

Detailed Project Report

of

Gayatri Vidya Parishad
Institute of Higher Learning and
Research

Submitted to University Grants Commission
(UGC) as a part of the application for the
recognition as a Deemed to be University
under Distinct Category

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PROLOGUE

The National Education Policy (NEP) of 2020 presents a large number of invaluable suggestions pertaining to the restructuring of Higher Educational Institutes (HEIs) in India. Within the realm of these suggestions, the following recommendations pertaining to Institutional Restructuring and Consolidation assume a position of utmost significance:

- (a) to move towards a higher education system consisting of large, multi-disciplinary universities and colleges;
- (b) to move towards a more multi-disciplinary undergraduate education

The primary objective of this policy pertaining to higher education is to eliminate the fragmentation within the realm of higher education. This will be achieved through the conversion of higher education institutions into expansive, multidisciplinary universities, colleges and HEI/Cluster/ Knowledge Hubs. In addition, the policy stresses on imaginative and flexible curriculum that enables creative combination of disciplines of study.

In accordance with the aforementioned suggestions, the Gayatri Vidya Parishad (GVP), a nonprofit Educational Society from Visakhapatnam, presents herewith a detailed project report of “**Gayatri Vidya Parishad Institute of Higher Learning and Research (GVPIHLR)**” containing its fifteen year Strategic Vision Plan and five-year rolling implementation plan that include academic plan, research plan, faculty recruitment plan etc., with identifiable output and outcomes to the University Grants Commission (UGC) in pursuit of their esteemed approval for the establishment of an institution that may rightfully be acknowledged as a Deemed to be University **under distinct category**.

1. INTRODUCTION

The proposed Institution “**Gayatri Vidya Parishad Institute of Higher Learning and Research**” is one of the pioneering educational initiatives of Gayatri Vidya Parishad, in preservation, promotion and propagation of the whole gamut of Traditional Educational System in the light of modern technological innovations and pedagogy. The Deemed to be University is proposed to be set up in the coastal city of Visakhapatnam, Andhra Pradesh. The proposed Deemed to be University will be distinctive as it aims to promote a strong and prosperous society by providing high-quality education that combines traditional Indian culture and knowledge with emerging scientific and technological temper. The primary objective of the proposed institution is to disseminate knowledge across various academic domains, encompassing the realms of Arts, Commerce and Management, Science, Engineering & Technology and Medicine. This noble pursuit is driven by a steadfast commitment to tailor education in a manner that effectively addresses global challenges, while also addressing the intricacies of local issues.

Today's problems and opportunities are both technical and human in nature; therefore, solving them requires the whole breadth of human intelligence. In the forthcoming era, it will be imperative for professionals and individuals alike to possess the capacity to discern the appropriateness of specialized methodologies, distinguishing their efficacy from their limitations. Furthermore, they must be adept at identifying and harnessing the advantageous confluences that arise at the junctures of multiple disciplines. Additionally, the ability to conceive and effectively communicate innovative resolutions, while comprehending and valuing alternative viewpoints will be of utmost importance. The statement delineates a cognitive process of integration that is intended to be cultivated within the contemporary cohort. This is precisely the objective that the institution proposes to attain as a unique attribute.

1.1 Gayatri Vidya Parishad- Evolution and Growth

Gayatri Vidya Parishad is an Educational Society established in 1988 by a group of Academicians, Educationists and Professionals of the city of Visakhapatnam, Andhra Pradesh, with the objective of addressing the higher education needs of the region with focus on imparting value-based education.

It is a nonprofit organization established with a service motive, committed to develop education in India, registered (No.510/1988, Visakhapatnam District, Andhra Pradesh) as an educational society under section-21 of Society's Act on September 28th, 1988 with the stated aim ***“to promote, establish, maintain and assist or aid in maintaining educational and other institutions with a view to impart education in all branches in general and in Advanced Technology, Management, Education and Science (including Healthcare) in particular and thus to facilitate securing gainful employment for the youth of the country.”***

The founding members of the Gayatri Vidya Parishad have laid a strong foundation to create necessary academic and institutional infrastructure to deliver value-based education at all levels. The institutions were nurtured in its early years under the able leadership (as a President of the society) of

- i. **(Late) Prof. Dr. T S N Somayaji, M.Sc., Ph.D.,** formerly Professor of Physics at Andhra University, University of Hyderabad.
- ii. **(Late) Prof. B. Sarveswara Rao, Ph.D. (Cantab), Hon. D.Litt.** Former Vice–Chancellor, Acharya Nagarjuna University, Member, A.P. State Planning Board, Member, President, Indian Economic Association, Economic Adviser to Government of East Nigeria, Sr. Economist, UN Institute for Economic and Social Development, Bangkok, British Council Fellow at St. John’s College, University of Cambridge (1950-53 under the guidance of Prof. Austin Robinson), Emeritus Professor of Economics, Andhra University; Founder Director and Chairman, Institute of Development and Planning Studies, Visakhapatnam.
- iii. **(Late) Dr. B. Swamy, M.D., D.M., Hon. D.Sc.** Former Vice–Chancellor, Acharya Nagarjuna University, Member Medical Council of India, Addl. Director of Medical Education, Govt. of A.P., Prof of Medicine, Andhra Medical College;
- iv. **(Late) Sri D.V. Subba Rao, M.A., M.L.** Renowned Advocate, Former Chairman, Bar Council of India for two terms, former Mayor – Visakhapatnam Municipal Corporation; former President, A.P. Cricket Association, former Manager, Indian Cricket Team.
- v. **Sri A S N Prasad, B.E.,** Industrialist, Founder President, Vizag Chamber of Commerce, Founder President, Vizag Lions Cancer Hospital.

The current president is **Professor Dr. Ing. P. Srinivasa Rao, FNAE**, who formerly held positions as the Dean of Industrial Consultancy and Sponsored Research, the Dean of Academic Courses, and a Member of the Board of Governors at IIT Madras. He was the recipient of the German government's DAAD Scholarship for doing his PhD work at the Technical University, Munich. He was also a recipient of the prestigious Alexander von Humboldt Fellowship for Post Doctoral work at TU Munich and Karlsruhe. The Department of Civil Engineering, IIT Madras established **PS Rao Institute Chair** in the year 2021 to honor his significant contributions to the Civil Engineering profession.

The list of Members of the current Governing Body (GB) is given in **Annexure-1**. The composition of the present GB is illustrated below:



Institutions under Gayatri Vidya Parishad

Institutions with programmes affiliated to Universities (JNTUK, AU, Dr YSR University of Health Sciences)		
Name of Institute	Year of Establishment	Current Intake
GVP College for Degree and PG Courses		
– Under Graduate	1989	UG-1070
– Post Graduate	1994	PG-410
– Engineering College	– UG	2011
	– PG	2020
		UG-480 & PG-24
GVP College of Engineering		
– UG	1996	UG-1140
– PG	2004	PG-120
GVP College of Engineering for Women		
– UG	2008	UG-600
– PG	2011	PG-24
GVP Institute of Health Care and Medical Technology		
– UG	2016	UG-200
– PG	2021	PG-45

In addition to offering undergraduate and postgraduate courses, our faculty members are actively involved in research endeavors. The faculty strength in the group of institutions is 742 of whom 197 are Ph.D. holders. The group of institutions has 136 faculty members who have been acknowledged as Research Supervisors by various universities. These faculty members are currently providing guidance to approximately 289 part-time research scholars across various domains.

Centers under the aegis of Gayatri Vidya Parishad [GVP]	
Name	Year of Establishment
GVP – LAKSHMIKANTAM INSTITUTE OF ADVANCED STUDIES	1989
GVP – SCIENTIFIC AND INDUSTRIAL RESEARCH CENTRE	2011
GVP – CENTER FOR MEDICAL IMAGING STUDIES	2017
GVP – CENTRE FOR INTEGRATED TRIBAL RESEARCH AND DEVELOPMENT	2022
GVP – CENTER FOR ADVANCED STUDIES ON E-MOBILITY	2022

Centers in partnership with other agencies	
Name	Years of Operation
CENTRE FOR POLICY STUDIES (IN PARTNERSHIP WITH SANKAR FOUNDATION)	2002 - 2016
INDO-GERMAN INSTITUTE OF ADVANCED TECHNOLOGY –IGIAT (IN PARTNERSHIP WITH GERMAN GOVT. AND AP GOVT.)	2004-2019

1.2 Highlights of the institutions under Gayatri Vidya Parishad

1.2.1 Gayatri Vidya Parishad College for Degree and PG Courses

Gayatri Vidya Parishad College for Degree and PG Courses (GVPCDPGC) is the first institution established under the aegis of Gayatri Vidya Parishad (GVP) Education Society offering undergraduate programs B.A., B.Com., B.Sc. and B.B.A., featuring innovative and restructured combinations, including Computer Science and Electronics, alongside the conventional combinations. GVPCDPGC to the best of our knowledge was the **FIRST COLLEGE** in the then combined State of Andhra Pradesh to have been given permission to start B.Sc. Courses from the 1st academic year itself, that too with Computer Science as an optional subject. Biosciences were introduced from the academic year 2005-06. All these courses were brought into autonomous status from the academic year 2007-08. Post-Graduate courses were started from 1993-94 in various disciplines. These courses were conferred the autonomous status from 2009-10. Four engineering programs were added in 2011 and are autonomous since 2019-

20. GVPCDPGC was recognized as a “College with Potential for Excellence (CPE)” by the UGC in 2010.

The College has been granted accreditation by the National Assessment and Accreditation Council (NAAC) with a B++ Grade twice. Additionally, it has been bestowed with the esteemed Autonomous Status by Andhra University, following the necessary approval from the University Grants Commission (UGC) in April 2007. This recognition was reaffirmed during the second cycle in 2014 and most recently during the third cycle in 2021. The Bachelor of Technology (B.Tech.) programs offered by the Departments of Computer Science and Engineering (CSE), Civil Engineering (CE), Electronics and Communications Engineering (ECE) and Mechanical Engineering (ME) have received accreditation from the National Board of Accreditation (NBA) for the period of 2019-2022. Furthermore, these programs have been re-accredited by the NBA for the subsequent period of 2022-2025. In addition, the MBA programme has been accredited by NBA thrice, and is valid till 2026.

1.2.2 Gayatri Vidya Parishad College of Engineering

The Gayatri Vidya Parishad College of Engineering (GVPCCE) was established in December 1996, initially offering four disciplines of study with a total intake of 200 students. Since then, the college has rapidly gained recognition as a highly sought-after self-financing engineering institution in combined Andhra Pradesh. It currently offers a total of 10 B.Tech. programs, 5 M.Tech. programs and one MCA program, all of which have been approved by the All-India Council for Technical Education (AICTE). The college has an admission intake of 1260 students. The College has received accreditation from the National Assessment and Accreditation Council (NAAC) twice with "A" Grade and CGPA of 3.47 out of 4.00. All eligible B.Tech. programs have received National Board of Accreditation (NBA) at least thrice to date.

The college was granted the status of "Autonomous" by the UGC and was bestowed by the affiliating University, JNT University, Kakinada, in 2009. It is also recognized under sections 2(f) and 12(B) of the UGC Act, 1956.

The College has been Approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University-Kakinada (JNTUK) up to the academic year 2021-2022 and is now affiliated to Andhra University from the academic year 2022-2023.

The college has consistently achieved a position within the top 250 institutions in the Engineering Category according to the esteemed National Institutional Ranking Framework (NIRF) for a consecutive period of five years.

The college houses a GVP-Scientific & Industrial Research Centre (GVP-SIRC) that is acknowledged as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), which operates under the Ministry of Science and Technology, Government of India (GoI).

The college is one of the four self-financing institutes in Andhra Pradesh, chosen by the **Ministry of Human Resource Development (MHRD)** under the **Technical Education Quality Improvement Programme Phase II (TEQIP-II)**, and has been awarded a grant of Rs. 5 crores for enhancing the quality of postgraduate education, research, and innovation at the institution.

In collaboration with the AP State Skill Development Corporation (APSSDC) and SIEMENS, six specialized labs have been established in the college at a cost of Rs. 2 crores to provide faculty and students with a variety of skill development trainings, in addition to the department-specific labs.

1.2.3 Gayatri Vidya Parishad College of Engineering for Women

In tune with the Government's idea of empowering women in the technological and engineering fields, the Society, Gayatri Vidya Parishad contemplated an Engineering College exclusively for Women and this has materialized in to this College of Engineering named as Gayatri Vidya Parishad College of Engineering for Women in the year 2008.

The College has been Approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University-Kakinada (JNTUK) up to the academic year 2021-2022 and is now affiliated to Andhra University from the academic year 2022-2023.

The College has started its academic innings with an initial intake of 300 with four branches of Engineering. Currently, it has grown with a total intake of 624 with Five UG Courses (i.e., Computer Science & Engineering, Electronics & Communication Engineering, Information Technology, Electrical & Electronics Engineering and CSE (Artificial Intelligence and Machine Learning) and two PG courses (viz., ECE-VLSI Design & Embedded Systems and CSE-Data Science).

The College has been recognized by UGC under 2(f) in the year 2016. The 3 UG courses – CSE/ECE/IT have been accredited by NBA from 2019 to 2022 and reaccredited from 2022 to 2025 and another UG course EEE accredited by NBA for 3 years, from 2023 to 2026.

The college has been accredited by **NAAC with “A” grade** (3.13/4) for a period of five years valid up to 10th October, 2027. The college is **Permanently Affiliated** to **Andhra University** from 2023-24 for a period of **5 years**. The college has been conferred **Autonomous status by UGC** for **10 years** from 2024-25 to 2034-35.

1.2.4 Gayatri Vidya Parishad Institute of Health Care & Medical Technology

Gayatri Vidya Parishad Institute of Health Care & Medical Technology was established by Gayatri Vidya Parishad in the year 2016 with an annual intake of 150 MBBS seats for the academic year 2016-17. The college is approved by Ministry of Health and Family Welfare, Government of India u/s 10A of IMC Act 1956 and is affiliated to NTR University of Health Sciences presently Dr YSR University of Health Sciences vide Procs No. 4162/A2/2013 dated 31-08-2016. National Medical Commission has granted

recognition of 150 MBBS degree seats to the institute for five years from December, 2022. The college is attached to a 950 bed Hospital which is recognized by NABH under entry level hospital programme from 2023 onwards. The hospital has a Cath Lab and a BSL II Lab certified by NABL.

The Institute offers courses leading to award of MBBS, MD & MS Courses. In January 2023, the National Medical Council has sent a letter of Intent sanctioning 200 student intake from the year 2023-24. Post graduate courses offering the degrees of MS and MD were started in the year 2021 in the departments of Surgery, Orthopedics, Ophthalmology, ENT, Radiology, General Medicine, Pediatrics, Respiratory Medicine, Dermatology, Psychiatry, Obstetrics and Gynecology, Anesthesia, Pathology, and Community Medicine.

1.3 Available Academic and Physical Infrastructure of the existing institutions

1.3.1 Land Details

S. No	Title of Land	Area of total Land (in Acres)
1	Gayatri Vidya Parishad College of Engineering, Madhurawada, Visakhapatnam	20.02
2	Gayatri Vidya Parishad College of Engineering for Women, Madhurawada, Visakhapatnam	08.25
3	Gayatri Vidya Parishad College for Degree and PG Courses, Yendada, Visakhapatnam	08.70
4	Gayatri Vidya Parishad Institute of Healthcare and Medical Technology, Paradesipalem, Visakhapatnam	22.60

1.3.2 Total Built-up Area (in Sq Mts)

	Administrative Area	Academic Area	Dept Library & Central Library	Other Facility
Gayatri Vidya Parishad College of Engineering, Madhurawada, Visakhapatnam	1,507	13,947	1,727	1,143
Gayatri Vidya Parishad College of Engineering for Women, Madhurawada, Visakhapatnam	487	5,370	540	305

Gayatri Vidya Parishad College for Degree and PG Courses, Yendada, Visakhapatnam	2,027	21,291	2,104	2,654
Gayatri Vidya Parishad Institute of Healthcare and Medical Technology, Paradesipalem, Visakhapatnam	1,450	30,200	2,400	7,755

1.3.3 Other Facilities (in numbers)

Institution Names	No of Lecture Halls	No of Laboratories	Accommodation Hostels		Accommodation for Staff	
			Boys	Girls	Teaching	Non-Teaching
Gayatri Vidya Parishad College of Engineering, Madhurawada, Visakhapatnam	75	55	500	680	--	--
Gayatri Vidya Parishad College of Engineering for Women, Madhurawada, Visakhapatnam	29	27	0	580	--	--
Gayatri Vidya Parishad College for Degree and PG Courses, Yendada, Visakhapatnam	40	33	0	175	0	0
Gayatri Vidya Parishad Institute of Healthcare and Medical Technology, Paradesipalem, Visakhapatnam	34	34	312	650	40	30

1.4 Distinctiveness of the sponsoring body – Gayatri Vidya Parishad and of the Research & Outreach programmes at the Institutions

1.4.1 Distinctiveness of Gayatri Vidya Parishad in Governance and Courses offered

- (i) **In Governance:** Distinguished individuals, including two former Vice-Chancellors of Acharya Nagarjuna University, Andhra Pradesh, a former Chairman of the Bar Council of India, served as Presidents of the Governing Body in the formative years. Their valuable contributions played a crucial role in shaping and guiding the governance of the institutions established by the society. The legacy has been continued with current president a former

Dean of Industrial Consultancy and Sponsored Research, the Dean of Academic Courses, and a Member of the Board of Governors at IIT Madras. Another notable characteristic of the Society is that the composition of the Educational Society's membership, as well as its Governing Body, mostly comprises of highly experienced and dedicated Academicians.

(ii) **In Courses Offered:**

Since its inception in 1988, the Gayatri Vidya Parishad has exhibited a distinctive approach in its efforts to contribute to the advancement of Higher Education in the nation. Gayatri Vidya Parishad is a unique Educational Society in Andhra Pradesh which provides educational programs in the fields of Arts and Humanities, Science, Engineering, Commerce and Management Studies and Medicine.

This society holds distinction by offering B.Sc. programs with progressive electives like Computer Science, Electronics, Electronic Equipment Maintenance from inception, way back in 1989 itself. Similarly, a B.Tech. programme in Chemical Engineering is offered in a self-financing educational institute in the inception year 1996 alongside other conventional engineering disciplines.

These disciplines hold significant strategic value for our nation in the later 90s and in the present era.

1.4.2 Distinctiveness of Gayatri Vidya Parishad in holistic development and in its Outreach and Research Programmes

Gayatri Vidya Parishad is playing a major role in addressing the development goals and strategic needs of the Country through specific centers in different critical areas such as, Skill Development, dissemination of Traditional Philosophy and Policy Studies, promotion of research and industrial consultancy, promotion of innovation and entrepreneurial activities, promotion of Artificial Intelligence in Health Care through Medical Imaging Technology, working in the emerging areas of E-Mobility and promoting societal concern amongst youth through research and development activities for the welfare of tribal population.

Thus, the GVP has been inculcating the blend of ancient wisdom and traditional values with modern science and technology for the health and well-being of the society among the youth.

1. Promoting Skill Development amongst the youth of the Country

Set up the **Indo-German Institute of Advanced Technology** which is A Joint Project of the Government of Andhra Pradesh, German Government, and Gayatri Vidya Parishad that was facilitated through Ministry of Industries, Government of India. More than 45,000 students were trained on high-end skill courses during the period 2004-2019. They were trained in various trades and disciplines ranging from Advanced Welding Techniques, CNC Machining, Total Station Surveying and Site Supervision to Domain Specific Software of various Engineering Disciplines. Several women empowerment programs were also organized.

2. **Centre for discussing matters of socio-economic and strategic importance with the contemporary policy issues in the country**

Partnering with Centre for Policy Studies to conduct Seminars, lectures by eminent persons and to bring-out a biannual news bulletin. The Centre was originally supported by the SANKAR FOUNDATION, Visakhapatnam on 2nd October, 1995 on the eve of 126th Birth Anniversary of Mahatma Gandhi and was taken up by the Gayatri Vidya Parishad into its fold in the month of March, 2002. The support was given up to July, 2016, till it became an independent Registered Society.

3. **Centre for creating awareness among the youth of the country in Indian Traditional Philosophy and Inner Engineering**

The Centre for Human and Spiritual Values has been functioning since 1989 for fostering of Human and Spiritual values amongst youth. The activities include personality development sessions, ethical discourses by learned scholars well versed in our ancient scripts. The centre also takes up community events showcasing our tradition. The Gayatri Vidya Parishad conducts several collaborative programs with Vedanta Institute.

4. **Centre for promoting fundamental research in Mathematics and Allied Subjects**

The **Gayatri Vidya Parishad - Prof. V. Lakshmikantham Institute for Advanced Studies [GVP-LIAS]** was founded in 2007 for the promotion of fundamental research in Mathematics and its applications in Engineering Sciences with focus on AI in Computer Science. The basic idea is to provide a forum for the exchange of ideas in modern Mathematics, Vedic Mathematics and Allied subjects through national and international collaboration. International conference titled Recent Advances in Mathematical Sciences and Applications (RAMSA) is held once in every four years in which distinguished Scientists and Mathematicians from all over the world attend the conference.

5. **Centre for promoting Research and Industrial Consultancy**

Gayatri Vidya Parishad has setup a **Scientific and Industrial Research Centre [GVP-SIRC]** for promoting multi-disciplinary and multi-institutional research and has been recognized as a Scientific and Industrial Research Organization (SIRO) by Dept. of Scientific and Industrial Research, Ministry of Science and Technology, Govt. of India from 2011 onwards. The centre owns a *State-of-the-art PHOTONICS LABORATORY* where in a few multiple technologies are developed.

These include:

- AUM (Air Unique-Quality Monitor)
- AJNA (Aerosol Judicating Navigable Apparatus)
- PRANEEDHI (Photonic Reconnoitring of Acoustic Noise for Effective Eavesdropping & Highlighting Intelligence),
- TARANI (Technology for Air Data Reckoning for Aerial Navigational Information),
- VEDA (Vibrational Effects-Detection Analysis), and
- VIDUR (Vibration Intelligence Data Unravelling Remotely).

The utilization of these systems extends to counter terrorism and holds potential value within the domains of Mechanical, Civil, and Electronic Engineering.

The Centre received an amount of Rs.536 Lakhs from multiple sponsored research agencies till now.

6. Centre for Innovation and Incubation

A Centre for Innovation and Incubation was established in 2011 to inspire students and promote innovation and entrepreneurship in the institutions. The primary objective of the centre is to inspire students through storytelling, encourage critical thinking and cultivate active participation with creative and innovative platforms. So far, the centre has incubated more than 15 startups and around 60 patents filed/published/granted. Ministry of MSME recognized Gayatri Vidya Parishad College of Engineering as **MSME-Business Incubator** and granted an amount of Rs. 30.20 Lakhs as on date. The list of patents granted/published/filed is given in **Annexure-2**

7. Centre for promotion of Artificial Intelligence in Health Care

Established **Centre for Medical Imaging Studies** to develop automated techniques in the recognition and identification of diseases from images. The centre which started taking up research projects from 2017 is a joint collaborative activity between Engineering Colleges and Medical College of the society. Sankar Foundation, Visakhapatnam is also a partner in some studies/projects related to the eye. Several research activities are also carried out to develop expert systems for prediction of Chest lung Cancer, sickle cell disease, Dementia, Liver disease and Orthopaedic related complications. The centre received a grant of Rs. 59 Lakhs till now.

8. Centre for promotion of research on Efficient Battery Storage and Charging Systems of Electric Vehicles

The **Centre for Advanced studies on E-mobility**, in association with HBL (Hyderabad), COMIT (Hyderabad) and TAFE (Chennai), has been carrying out research on Efficient Battery Storage and Charging Systems of Electric Vehicles, since 2016. The centre received a grant of Rs. 60 Lakhs as on date.

9. Centre for promotion of Tribal Welfare

Established **Centre for Integrated Tribal Welfare and Development(G-Tri-Bal)** in 2022 in association with the Tribal Welfare Department of Govt. of Andhra Pradesh to improve the living conditions and health of the tribals.

G-Tri-BAL is working in Paderu region of ASR District as a pilot project towards improvement in the quality of life of the tribal people through adoption of integrated models contributing to the achievement of the Sustainable Development Goals of UN.

In tune with the policy of elimination of Sickle Cell Disease (**SCD**) in India by 2047, the **G-Tri-BAL** took up exclusive SCD screening camps to identify persons suffering from SCD in Andhra Pradesh. Several medical education programs are organized to create awareness on prevention and management of SCD with the intention of improving health conditions of the tribals in

association with Gayatri Vidya Parishad Institute of Health Care and Medical Technology (GVPIHCMT). Skills Development programs and capacity building initiatives are also organized to empower tribal women, adolescent girls and tribal youth to enhance their economic status.

1.4.3 Distinctiveness in Research and Consultancy at Gayatri Vidya Parishad Institutions - A brief

The academic research efforts: papers published, projects executed (both sponsored and consultancy), Doctoral Degrees awarded, Patents awarded/published, Books and Books Chapters, and the out-reach activities (Conferences/workshops/Faculty Development Programs) at GVP are presented in Fig.1.1.

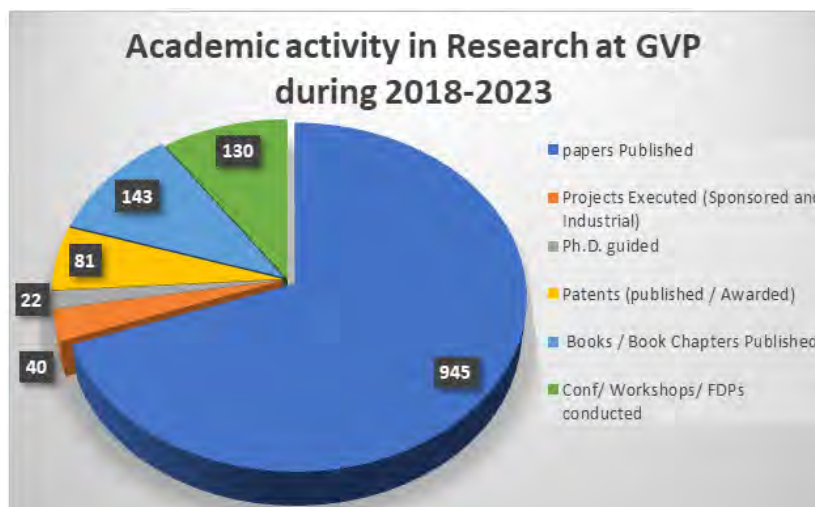


Fig.1.1. Academic activity in Research at GVP during 2018-2023: papers Published, Projects Executed, Ph.Ds. guided, Patents (awarded/published), Books / Book Chapters authored, and Conferences/ Workshops/ Faculty Development Programs conducted at GVP during the academic years: 2018-2023

The research publications of the faculty in the group of institutions from 2018 – 2023 are provided in **Annexure – 3**

About 90 projects of value Rs 1336 lakhs have been executed so far (2004 till to date). Fig.1.2 presents the support received for these projects from various funding agencies.

Several of these projects are inter-disciplinary and trans-disciplinary. The topics addressed in these projects are in the frontier and strategic areas like Defence, Environment, Renewable energy and Electric Vehicles, Health Care, Manufacturing, Infrastructure, Nanotechnology, Material science etc.,

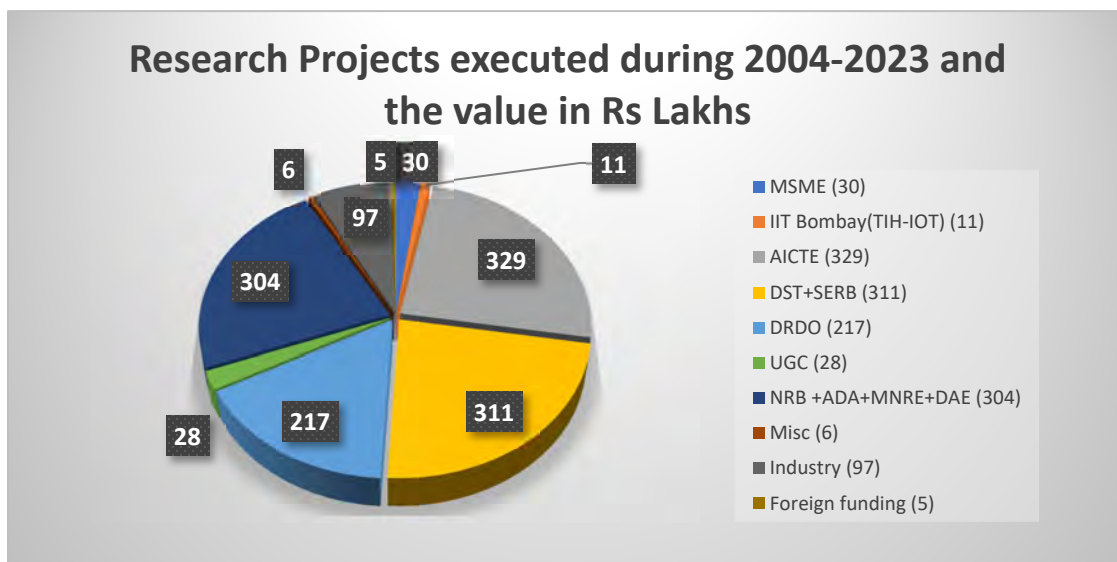


Fig. 1.2. Research Projects executed during 2004-2023 from several agencies for executing 90 Projects. The numbers in the Pie chart represent the support in Rs in lakhs. Total value of the projects: Rs 1336 lakhs.

The list of research and consultancy projects that have carried out by the faculty of the group of institutions from 2004 to 2023 is listed in **Annexure-4**.

1.4.4 Distinguished Alumni of the Gayatri Vidya Parishad group of Institutions

Alumni hold significant importance for a college/university as they constitute a continuously expanding group of representatives who advocate for their alma mater. In general, this delegation provides favourable representation across a wide geographic range and in numerous professional domains. Consequently, colleges that facilitate the achievement of notable accomplishments by their graduates are rewarded with public recognition and tangible assistance. Former students who have achieved success can serve as influential advocates for an institution's reputation, contributing to favourable word-of-mouth promotion, increased visibility on social media platforms, and ultimately enhancing recruitment and application rates. It is posited that the achievements of a university's graduates might serve as a significant indicator of the potential prospects that lie ahead for individuals inside a particular educational institution.

A list of some of the alumni who have made notable accomplishments are given in **Annexure-5**

1.5 Strengths, Weaknesses, Opportunities and Challenges (SWOC)

1.5.1 Strengths:

- A committed and visionary Management for human excellence through education
- Legacy and Brand Value in Andhra Pradesh achieved through expertise in achieving academic quality and recognition/accreditations.

- Proximity to Special Economic Zones, Technology Parks and Research Organizations
- Alumni Network
- Industry Academia Collaboration

1.5.2 Weakness:

- Low visibility at Global Level
- Scarce opportunities for getting Consultancy and Research Projects
- Partial Flexibility & Diversity in curriculum
- Controlled environment for Admissions and Fee structure
- Inability to admit full-time Ph.D. scholars
- Limited scope for admitting students outside the state

1.5.3 Opportunities:

- Scope for industry linkages
- Multidisciplinary & Interdisciplinary Research
- Alumni potential
- Core values and Transparent mechanism

1.5.4 Challenges:

- Institutional Competition
- Scarcity of competent faculty
- Effective monitoring of Stakeholders
- Changes in Learners' attitude

2. EXTRACT FROM THE FOUNDING BYE-LAWS OF THE SPONSORING BODY – GAYATRI VIDYA PARISHAD

NAME:

The name of the society shall be “Gayatri Vidya Parishad” and shall hereinafter be called “Parishad”

REGISTERED OFFICE:

The registered office of the Parishad shall be situated at Visakhapatnam in the state of Andhra Pradesh in 1988.

MEMBERSHIP (in the formation stage):

- A. The membership of the Institute shall comprise of the following categories:
 - a) PATRONS, who pay an entrance donation of Rs,5,000 or more either in lumpsum or Rs.2,500 by way of first instalment and the balance in two equal annual instalments and who shall have the hereditary right of membership under the laws of primogeniture.
 - b) LIFE MEMBERS, who pay an entrance donation of Rs,2,500 or more either in lumpsum or Rs.1,500 by way of first instalment and the balance in two equal annual instalments, who shall be members for life.
 - c) HONORARY PATRONS are those eminent persons in the field of Science, Education, Technology and Management who may be invited by the members of the Institute, by a resolution passed at the General Meeting, to this category of membership without the requirement of paying any entrance donation.
- B. Corporate Bodies, Partnership Firms and other Associations of persons or Institutions who pay the entrance donation applicable to the above categories of members shall be eligible to nominate one person from time to time to the respective categories of membership, so however, that such nominations for Life Membership shall be for a maximum of 25 years.
- C. Any amendments to these presents with regard to the entrance donations shall take effect only from the date of adoption of the amended article at the General Meeting and shall not effect the status of the then existing members.
- D. A Lime Member shall be eligible to convert his membership into a Patron on payment of the difference in entrance donation payable to both the categories of membership at the time of such conversion.
- E. All applications for membership of the Institute shall be considered by the Governing Body, who shall have the right to accept or reject any person as member of the Institute without assigning any reasons therefor. Any decision of the Governing Body in this regard shall be

subject to review by the members at a General Meeting. The Governing Body at their discretion may treat the donations paid by the near relatives and other associate of a person as having been paid by such person for the purpose of considering his application for membership.

- F. The maximum number of persons in each category of membership shall not exceed 100 in the case of Life Members, 50 in the case of Patrons and 10 in the case of Honorary Patrons.

Any member shall ipso facto cease to be a member of the Institute on the happening of any of the following events:

- a) On his resignation as member,
- b) On his being adjudicated as Insolvent,
- c) On his death,
- d) On a sub-committee appointed by the Members at a General Meeting, for the purpose of enquiring into the conduct of any member, handling that the continuance of such person as member is detrimental to the interests of the Institute.

MANAGEMENT:

The affairs of the Institute shall, subject to the Memorandum and Articles of Association, be managed by the Governing Body constituted in accordance with the provisions of Article 6 hereunder.

GOVERNING BODY:

- a) The Governing Body shall consist of not less than 7 and not more than 12 members.
- b) The members of the first Governing Body:

i)	Dr. T S N Somayaji	President
ii)	Sri G. B. Ramdas	Vice-President
iii)	Dr. K P R. Sastry	Treasurer
iv)	Dr. P V Sarma	Secretary
v)	Sri D D Murthy	Joint-Secretary
vi)	Dr. P S Raju	Member
vii)	Sri V R K Siva Prasad	Member
- c) The first Governing Body shall hold office till the first Annual General Meeting. Thereafter 3 of the members of Governing Body shall be elected by the Patrons from among themselves and 3 of the members shall be elected by the Life Members from among themselves. The other 2 members of the Governing Body shall be co-opted by the 6 elected members of the Governing Body either from the members of the Institute or from non-members whose services are deemed to be beneficial to the Institute. In case, the number of Patrons at any time at any time are less than 3, all the Patrons will

automatically become the members of the Governing Body and the balance number of Governing Body members shall be elected by the Patrons either from the Life Members or from eminent personalities in the field of Science, Education, Technology and Management who are not members of the Institute.

- d) The six members of the Governing Body elected by the patrons and Life Members respectively shall take office at the Annual General Meeting and the other two members shall be co-opted at the first meeting of the Governing Body shall be framed by the Governing Body time to time.
- e) In case the Central or State Governments or Local Body or an University or any other Public or Private Body becomes entitled, by virtue of an agreement between the body and the Institute, to nominate any member or members to the Governing Body, such member or members shall not be counted for determining the maximum number of members under Articles 6 (a) above.
- f) The Governing Body shall elect from among themselves a President, two Vice-Presidents, a Secretary and a Treasurer at their first meeting which shall be held within one week from the date of the Annual General Meeting at which the elected members of the Governing Body take office.
- g) In the event of any casual vacancy occurring among the members of the Governing Body on account of the resignation, death or otherwise, such a vacancy shall be filled up by the Governing Body by co-option from the same class of members or non-members as that in which the vacancy occurs. The member so co-opted shall vacate his office at the Annual General Meeting at which the original member in whose vacancy he is coopted will vacate his office.

POWERS AND DUTIES OF THE GOVERNING BODY:

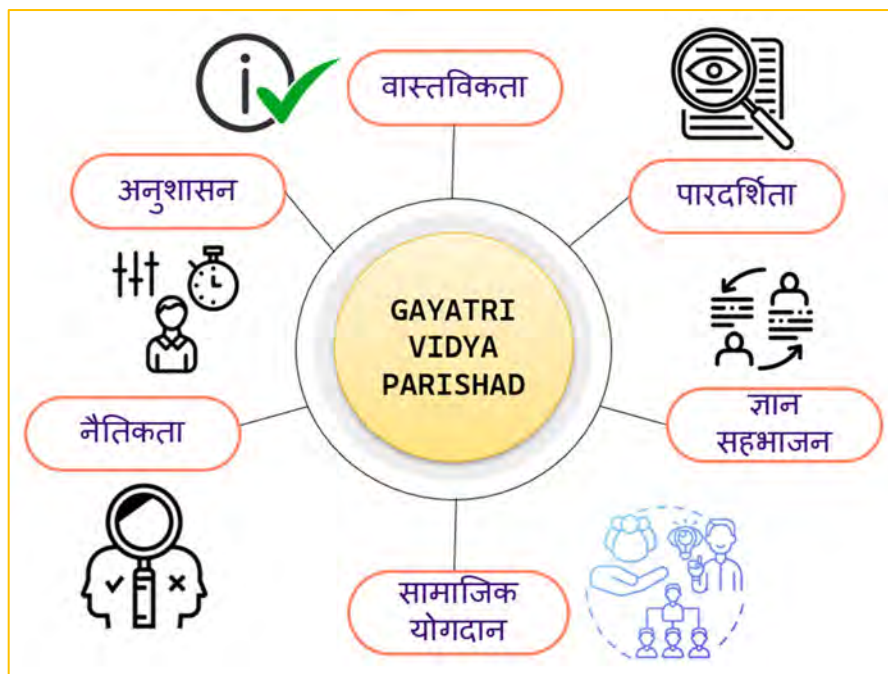
Subject to the provisions of the Memorandum and Articles, the Governing Body shall carry on the general management and administration of the Institute's activities and shall specifically perform the following functions:

- a) To lay down and periodically to review the policy of the Institute
- b) To promote, establish, maintain and affiliate educational institutions and to exercise general control over such institutions.
- c) To acquire by purchase, on lease or otherwise, to sell to lease or otherwise transfer any of the movable or immovable properties required for or owned by the Institute or nay of the Institutions maintained by the Institute.
- d) To prepare and submit budgets of the Parishad for approval by the General body and to approve annual budgets for the institutions maintained by the Institute.
- e) To construct, alter, remodel and maintain any buildings that are required for use of the Institute or any of the Institutions maintained by the Institute.

- f) To take necessary legal steps, to sue others and to defend the institute in any legal proceedings, to safeguard the Interests of the Institute.
- g) To arrange for collection of funds by way of donations, gifts, grants, and other means like conducting benefit performances etc. for the benefit of the Institute.
- h) To maintain regular accounts of the Institute, to get the annual Income and Expenditure Account and Balance Sheet prepared and audited by the auditors and place them before the General Body for adoption.
- i) To decide the applications for membership of the Institute and to devise necessary application forms for that purpose.
- j) To have full control and supervision over the affairs of the Institutions maintained by the Institute and for that purpose to have full access to all the records, accounts and other documents of the said Institutions, the power to appoint any person or a committee to enquire into any of the aspects of the affairs of such Institutions and to consider such reports and take appropriate action thereon.
- k) To appoint all the teaching and non-teaching staff of the Parishad and other Institutions maintained by it, subject to the regulations of the University or the Government and to scrutinise the performance of such staff members from time to time.
- l) To call for report from the Principal or Heads of the Departments of the Institutions maintained by the Parishad, to review the said reports and to take appropriate action thereon.
- m) To make rules, regulations and bye-laws for the conduct of the affairs of the Parishad and for the administration of the Institutions maintained by the Parishad.
- n) To be the custodian of all the properties of the Parishad.
- o) To have the power to borrow or otherwise raise funds for the purpose of spending the same to achieve any of the objects of the Parishad, within the limits, if any that may be stipulated by the members from time to time and for that purpose to mortgage or pledge any of the properties for the Parishad or the Institutions maintained by the Parishad.

3. AIMS AND OBJECTIVES OF THE SPONSORING BODY- GAYATRI VIDYA PARISHAD

3.1 Core values of the Society



The values of the Parishad are based on the traditional ideals and values of the Indian society.

वास्तविकता (Reality / Truth): The Parishad adheres to the highest standards in accountability and transparency in governance and administration.

अनुशासन (Self-discipline): The Parishad adheres to discipline in with hard work, work ethics, acceptance of ideas, intellectual curiosity and freedom of expression.

नैतिकता (Ethical): The Parishad is committed to the social good at all levels.

सामाजिकयोगदान (Contribution to society): The Parishad is basically aimed at creating value-based system for contributing to the society in terms of different domains of knowledge.

ज्ञानसहभाजन (Knowledge Sharing): The Parishad is non-possessive in sharing of knowledge without bias for the betterment of society.

पारदर्शिता (Transparency): The Parishad administration is transparent in its approach and gives utmost regard to its commitment to the society.

3.2 Aim:

To promote, establish, maintain and assist or aid in maintain educational and other institutions with a view to imparting education in all branches in general and in Advanced technology, Management, Education and Science (including Health) in particular and thus to facilitate securing gainful employment for the youth of the country.

3.3 Objectives:

The main objectives of the Parishad shall be:

- a. To provide facilities for and encourage research in all branches of Science, Technology, Management, Health care and education.
- b. To conduct educational programmes and courses in Advanced Technology, Management, Education, Health care and Science for providing continuing education to employed Technical and Management personnel and self-employed Technocrats.
- c. To award scholarships, stipends, prizes, fellowships, travelling grants and otherwise aid to poor and deserving students and research scholars.
- d. To act as trust board, to accept endowments, bequests, donations, subscriptions, grants etc., either in cash or in kind from other individuals, institutions, corporate bodies, and Governments for the fulfillment of the above objects.
- e. To carry on any such authority or activities of a charitable nature and of general public utility as may approved by the members of the parishad from time to time.

3.4 Concept of “Gayatri Vidya Parishad Institute of Higher Learning and Research”

Gayatri Vidya Parishad Institute of Higher Learning (**GVPIHLR**) will be a distinct university that would be setup by the integration of Multidisciplinary, Interdisciplinary and Transdisciplinary fields. The expertise gained in running colleges of eminence will play a crucial role in the successful establishment of the proposed deemed to be university. In the ancient Indian education system, the students had an opportunity to learn ‘*Chauthur sashti kalas*’ – sixty-four arts/disciplines within the educational system. Following the tradition and guided by NEP, the new University proposes to integrate **Humanities and Management with STEAMM** (Science, Technology, Engineering, Arts, Mathematics and Medicine).



Endowed with the experience of efficiently running a group of institutions, the promoting body intends to develop courses/programs that bring about a holistic development of the student.

Further it intends to undertake academic research with focus on integrating the ancient Indian system of education with the modern technology-based learning. The basic objective is educating and empowering youth for the progress of the country.

The main idea behind the establishment of the deemed to be university – Gayatri Vidya Parishad Institute of Higher Learning and Research is to provide the students an integrative learning experience that transcends boundaries and provides abundant opportunities. It is a move towards a large multidisciplinary institute with more multidisciplinary and trans disciplinary education and research by adopting flexible curricular structures to enable creative combinations of disciplinary areas of study in multidisciplinary contexts.

The objective is to provide a comprehensive educational experience to all students, irrespective of their chosen field of study or degree program. The experience encompasses a wide range of knowledge and inquiry, fostering an understanding that all academic disciplines are interconnected and part of a

unified whole. The education equips the students, with the ability to comprehend the underlying interrelationships that exist among various disciplines of human knowledge, encompassing the Arts and Humanities, Management, Sciences, Engineering & Technology and Medicine.

The idea of convergence is envisaged in the proposed deemed to be university to solve problems that cross over between different fields of study. Convergence encourages innovation at all stages of the research process, from fundamental scientific discoveries to practical applications. The proposed deemed to be university would be a great place to meet potential collaborators and expand the network of students and staff beyond the confines of academia to include national labs, businesses, hospitals and foundations.

The main features of the proposed Deemed to be University include:

1. Holistic and Multidisciplinary Education to develop critical capacities in fields across Arts & Humanities, Management, Science, Engineering and Medicine.
2. Flexibility in curriculum - novel and engaging course options across disciplines.
3. Integration of Optimum Learning Strategies for personalized learning environment.
4. Multiple Entry / Exit option - creating possibilities for life-long learning.

Providing a barrier-free education that encompasses integrative learning across disciplines is the distinct feature of the proposed deemed to be University.

Endowed with the experience of efficiently running a group of institutions, the promoting body intends to develop courses/programs that bring about a holistic development of the student through the barrier-free course offerings across disciplines. Further, it intends to undertake academic research with focus on integrating the ancient Indian system of education with the modern technology-based learning. The distinctiveness is achieved by

- (i) **Embracing Integrative Thinking in an Evolving World**
- (ii) **Adopting a Holistic Approach for a Complex World**
- (iii) **Cultivating Tomorrow's Innovators**

(i) Embracing Integrative Thinking in an Evolving World

In a world that is rapidly transforming into a global village, it is imperative for India to nurture an educated citizenry that can fuel a continuous stream of research and innovation, thereby bolstering its international competitiveness. The landscape of higher education in India has been shaped by a historical tradition known as liberal education, which, over time, has given rise to specialized fields of knowledge such as arts, humanities, science, engineering, and medicine. However, in the face of the complex challenges that confront our world today, it has become evident that these specialized disciplines alone cannot effectively address the multifaceted global issues at hand.

This realization underscores the essential need to convey to learners that all forms of human knowledge are interconnected, much like branches stemming from the same tree. The fragmented nature of specialized disciplines becomes apparent when attempting to grapple with intricate global problems. To bridge this gap and foster a holistic and inclusive educational experience across all disciplines, the concept of integrative thinking emerges as a beacon of transformation.

(ii) A Holistic Approach for a Complex World

Integrative learning experience serves as the cornerstone of this transformation, encompassing a multifaceted approach to education. It aims to achieve a range of outcomes that extend beyond the boundaries of traditional learning:

- **Integration as a Learning Outcome:** Integrative thinking calls for students to seamlessly integrate their personal experiences with academic knowledge. This synthesis empowers them to view challenges from a broader perspective, recognizing the intricate interplay of various elements.
- **Adaptation and Application:** Integrative thinkers are adept at adapting and applying the skills, abilities, theories, and methodologies they acquire in one context to novel situations. This versatility fosters a profound understanding of the interconnectedness of knowledge.
- **Interdisciplinary Connections:** Through integrative thinking, learners become adept at making connections that transcend disciplinary boundaries. This ability to visualize the intersections between diverse fields cultivates innovative solutions to complex problems.
- **Self-Directed Learning:** Integrative thinking nurtures the capacity for self-directed learning, enabling students to build upon prior experiences to navigate challenging contexts. This adaptive approach is vital for success in a rapidly evolving world

(iii) Cultivating Tomorrow's Innovators

By embracing integrative thinking, educational institutions can shape a generation of thinkers who are poised to confront the dynamic challenges of the modern era. Integrative thinking transcends the limitations of individual disciplines, enabling learners to approach complex issues with a comprehensive and imaginative mindset. As we embark on this transformative journey, we recognize that integrative thinking isn't just a methodology—it's a philosophy that empowers us to break down barriers, forge connections, and collectively build a future defined by holistic understanding and innovative problem-solving.

The concept of convergence is conceptualized within the framework of the proposed university with the aim of addressing interdisciplinary challenges that transcend traditional boundaries of academic disciplines. The concept of convergence serves as a catalyst for fostering innovation across the entire research continuum, encompassing both foundational scientific breakthroughs and their subsequent translation into real-world applications.

The proposed Deemed to be University hopes to accomplish its distinct characteristic through

- Student Centricity
- Innovation and Knowledge creation
- Conservation of Indian Traditional knowledge and values
- Equity driven socially relevant research
- Global excellence in talent attraction and retention and (vi) Integrative Learning Environment

3.5 Vision, Mission and Core Values of the proposed “Gayatri Vidya Parishad Institute of Higher Learning and Research”

3.5.1 Vision and Mission:

It is important to acknowledge that in the year 2039, India is poised to undergo a remarkable metamorphosis, thereby presenting a plethora of both advantageous prospects and intricate obstacles. Consequently, it becomes imperative for institutions of higher education and research to formulate a well-thought-out and purposeful approach to effectively address these circumstances. To effectively shape our vision, it is imperative to take into account the following premises and mega trends that hold significant relevance.

- I. India, in the context of global economics, has emerged as a significant player in recent years. With its vast population, diverse workforce, and growing middle class, India possesses the potential to become a prominent global economic power. The country's strategic geographical location, coupled with its rich cultural heritage and historical significance, further enhances its position on the global economic front.
- II. In the context of India's demographic composition, which predominantly consists of young individuals, there exists a substantial requirement for addressing the educational, skill development, infrastructure, and teaching needs of this population.
- III. Consequently, the national systems responsible for innovation and delivery face significant pressures and demands in order to cater to these extensive requirements.
- IV. In our increasingly interconnected global landscape, it is imperative to recognize and embrace the profound impact of this connectivity on knowledge generation and utilization.
- V. The impact of climate change is a topic of great significance and concern in today's world. It is crucial to understand the far-reaching consequences that climate change can have on various aspects of our lives from environmental degradation to socio-economic implications.

The pivotal role of universities and institutions of higher learning cannot be overstated when it comes to addressing the formidable challenges posed by the aforementioned mega trends. This adaptation is aimed at cultivating the necessary human resource capabilities to effectively address future challenges and contribute to multifaceted dimensions that foster positive human development. The proposed deemed to be university is guided by the vision

Vision: "GVPIHLR envisions 'Creating Human Excellence for a better society through holistic and multidisciplinary education.'"

Mission: "At GVPIHLR, our mission is propelled by an unwavering dedication to achieving human excellence and contributing to a better society through a holistic and multidisciplinary approach to education. Our mission comprises three key pillars:

1. Driving Progress through Holistic Education:

We strive to play a pivotal role in societal advancement by providing a transformative educational experience. This experience is centered on cultivating deep disciplinary knowledge, advanced problem-solving abilities, leadership skills, and a strong focus on personal health and well-being.

We believe that human excellence, nurtured through holistic education, is the foundation for building a better society.

2. Conducting Innovative Research for Societal Impact:

GVPIHLR is committed to conducting innovative research that transcends disciplinary boundaries, creating a transformative impact on society at regional, national, and global levels.

We foster a collaborative environment that encourages the free exchange of ideas, promoting research, creativity, innovation, and entrepreneurship as integral elements of our academic community.

3. Striving for Excellence in Teaching and Research:

Our commitment to excellence is reflected in both teaching and research. We attract diverse, world-class talent to our community, fostering an environment of academic rigor and intellectual curiosity.

We continuously seek ways to improve and surpass expectations in all our endeavors, ensuring a culture of continuous improvement and innovation.

These mission pillars guide GVPIHLR in fulfilling its vision of 'Creating Human Excellence for a better society through holistic and multidisciplinary education.'"

3.5.2 Core values

In line with this the Core values of the Society, the core values of the proposed university is listed below that lays a strong foundation for the accomplishment of envisioned strategic vision-

- **Quality:** Provide quality education with focus on the social, emotional, mental and cognitive development of each student with human values and ethics, preparing the youth for better employment opportunities and ability to compete globally.
- **Professionalism:** Establishing an environment of equity and integrity with opportunities for expression and acceptance for creating a scientific environment of learning.
- **Accountability:** Establishing systems for ensuring the delivery of expectations of all the stakeholders of the institution and adding value to the available resources.
- **Innovation:** Nurturing an ecosystem of creative thinking to adapt to the changing technological and social environments for the development of futuristic systems and processes.
- **Collaboration:** Collaboration with industry and Institutes of higher learning for aggregation of institutional strengths in teaching and research and to enhance the visibility of the institution to build linkages for long term growth.
- **Transparency:** Adoption of transparency in systems and processes, build trust among the stakeholders for partnering with them for maintenance of healthy relations in the long run.
- **Social Responsibility:** Inculcating a spirit of social responsiveness among the students and staff by sensitizing them to the challenges in the society by adopting multi-disciplinary and Trans- disciplinary approach.
- **Cultural Legacy:** Preservation of Indian heritage and culture through teaching and practice of Sanatana Dharma with the motto “Vasudhaiva Kutumbakam”

3.6 Goals, Scope and Objectives of the proposed Gayatri Vidya Parishad Institute of Higher Learning and Research

3.6.1 Goals:

- To prioritize the high-quality education and research in distinctive and developing fields of knowledge, particularly transdisciplinary domains
- Creating a strong academic environment with excellent learning and faculty resources.
- Encourage student diversity by attracting National / International learners
- Grow into a world-class center for Innovation and Incubation
- To be in the top 100 Universities as per NIRF ranking by 2030

3.6.2 Scope

1. The UGC shall monitor the performance and academic outcomes of the institutions deemed to be Universities.
2. The institution deemed to be university shall follow the rules and regulations regarding the fee structure, number of seats etc., issued by the relevant statutory bodies.
3. The institution deemed to be university shall be open to the persons of all genders and of whatever caste, creed, race or class.
4. The institution deemed to be university shall be unitary in nature and shall not affiliate any other institution.
5. The institution deemed to be university is bound by the University Grants Commission (Institutions deemed to be Universities) Regulations, 2023

3.6.3 Objectives:

The objectives of the institution deemed to be University shall be to

- a) Provide for higher education leading to excellence and innovations in such branches of knowledge as may be deemed fit, primarily at undergraduate, post-graduate, and research degree levels.
- b) Provide multi-disciplinary and a holistic education in the faculties of science, engineering, technology, arts, humanities, commerce, management and medicine;
- c) Provide for high-quality teaching and research.
- d) Focus on research and innovation by setting up start-up incubation centers; technology development centres; centres in frontier areas of research; greater industry-academic linkages;
- e) Provide flexible and innovative curriculum, which includes credit-based courses and projects in the areas of community engagement and service, environmental education, value-based education, etc.;
- f) Integrate Optimum Learning Strategies for personalized learning environment.
- g) Provide Multiple Entry / Exit option - creating possibilities for life-long learning.

3.6.4 Strategies and Action Plans

The cornerstone of every strategic plan lies in the institutional vision statement. The Institution has a visionary perspective on education, aiming for a global system that fosters the dynamic exchange of ideas, thoughts, feelings, and actions. This approach cultivates individuals who are empowered with virtuous character and cherished values, ultimately working towards the creation of “**Vasudhaiva Kutumbakam**” through education and research.

The Institution also has a vision for an educational system that fosters the growth, development, and sharing of knowledge in a comprehensive way, with the ultimate goal of benefiting humanity as a whole. The overarching goal of the Institution is to achieve a prominent position within the global higher education landscape, aligning itself closely with the aforementioned ideals. The pursuit of achieving a commendable global ranking is an integral part of GVPIHLR’s overarching vision statement.

The strategies to achieve the aforesaid goals are presented below:

Goal 1: To prioritize the high-quality education and research in distinctive and developing fields of knowledge, particularly trans disciplinary domains.

Strategy 1.1:

Emphasize interdisciplinary / multi-disciplinary programs that offer significant research prospects which provide lucrative work opportunities.

Action plan

1. Establish a school of Medical Science and Technology with a trans disciplinary orientation supplementing the healthcare industry.
2. Provide a basket of electives for each specific discipline in science, engineering, management and medicine that gives a student the flavor of inter/multi/trans disciplinary outlook specific to learners aspirations.

Strategy 1.2

Provide High-Quality teaching

Action Plan

In order to foster effective learning, GVPIHLR plans to adopt a holistic approach that encompasses a well-rounded curriculum, pedagogical strategies that captivate students' attention, ongoing formative assessment practices, and ample support for students.

The designed curriculum exhibits a captivating and pertinent nature, while also being consistently revised to adhere to the most current knowledge prerequisites and fulfill designated educational objectives.

To effectively transmit the curricular content to students, it is proposed to employ pedagogical practices of the highest caliber that includes active learning, experiential learning, inquiry-based learning, problem-based learning, reflective learning, technology enhanced learning and above all integrative learning. These pedagogical approaches play a pivotal role in shaping the learning experiences offered to students, thereby directly impacting the outcomes of their education.

The assessment methods adopted exhibit a scientific foundation, meticulously crafted to foster a perpetual enhancement of learning outcomes and effectively evaluate the practical application of acquired knowledge.

Further, to ensure a comprehensive and superior learning experience, effective plans are put in place for the cultivation of skills and attributes that foster the overall well-being of students, including physical fitness, optimal health, psychological and social well-being, as well as a strong ethical foundation.

Strategy 1.3

Focus on high quality research

Action Plan

The experience of the institutions in producing quality research catering to the strategic needs of the country helps it to design and develop a plan for conducting high-impact research that not only contributes to the advancement of knowledge but also has significant international quality and influence. The research priorities are centered around the pursuit of addressing practical challenges within the industry including healthcare.

Motivated by our extensive expertise in conducting sponsored research and consultancy, the proposed institution aims to foster a culture that motivates faculty members to actively engage in and enhance significant research endeavors. We strongly encourage faculty to pursue major research projects, with the invaluable financial support provided by funding agencies such as DST, DAE, CSIR, UGC, DBT, ICMR, and other industry partners.

In order to foster the advancement of interdisciplinary research and enhance research endeavors in cutting-edge domains, it is proposed to establish additional research centers alongside the ones that currently exist. The Centres are actively engaged in promoting and fostering multidisciplinary research endeavors undertaken by the faculty members hailing from diverse academic disciplines.

Goal 2: Creating a strong academic environment with excellent learning and faculty resources.

Strategy 2.1

Prioritize faculty expertise, promote academic innovation that impact learner outcomes.

Action Plan

Focus on enhancing the expertise of faculty by identifying opportunities and providing resources.

Design instructional methods to develop higher-order thinking abilities, to facilitate learners' acquisition, application, and generation of knowledge.

Implementation of authentic assessments that challenge learners to devise solutions for real-world problems.

Develop strategies to facilitate inclusive growth.

Strategy 2.2

Establish a robust academic milieu

Action Plan

Develop policy to attract National/International faculty of repute by developing suitable support systems.
Inviting renowned faculty to facilitate collaborations with institutes of high repute.
Invite Professors of practice to facilitate hands on exposure to learners and collaboration with industry.
Strengthen faculty exchange programmes
Offering twinning programmes for the benefit of learners.

Goal 3: Encourage student diversity by attracting National / International learners

Strategy: Promote and increase the diversity of learners.

Action Plan:

Devise suitable policies (programme-wise / school-wise) to enhance gender and geographic diversity.

Develop branding strategies to attract learners from across the globe

Attracting learners by participating in Global rankings / Accreditations

Develop best practices for promoting cultural assimilation

Goal 4: Grow into a world-class center for Innovation and Incubation

Strategy: Strengthen Innovation and Incubation Centre

Action plan:

Promote ideation culture

Develop investment/funding strategies

Provide eco-system in terms of space, technology and resources

Develop global mentor network

Create opportunities for filing patents and commercialization

Goal 5: To be in the top 100 Universities as per NIRF ranking by 2030.

Strategy: Establish a Governance and Administrative Framework

Action Plan:

Develop State-of-Art Teaching-Learning Resources.

Enhance Research and Consultancy outreach.

Create an impact on Graduate Outcomes

Develop plan for better Perception/ Branding

Obtain necessary Accreditations

Creation of Self-driven, Self-assessed Online Learners platforms

3.7 General relevance of the Courses to the guidelines of NEP 2020, Strategic Needs of the Country and also the Sustainable Development Goals (SDGs) of UN.

Gayatri Vidya Parishad Institute of Higher Learning and Research aims to cultivate good, thoughtful, well-rounded, and creative individuals by developing in them the 21st century capabilities across a range of disciplines including, sciences, arts and humanities, commerce and management, engineering and medical subjects, in accordance with Clause 9.1.1 of NEP 2020. The institute seeks to implement the policy's highest recommendation (Clause 10.2) on the structure of higher education by establishing a multidisciplinary institution from the beginning. This approach enables scholars, peers and students to have a comprehensive understanding across various disciplines (Clause 10.1).

In order to foster a multidisciplinary educational approach, GVPIHLR has put forth a proposal to offer courses in the fields of Arts and Humanities, Commerce and Management, Engineering & Technology and Healthcare/Medicine which facilitates the holistic development of students across various academic domains. These courses have been designed in accordance with the norms set by UGC/AICTE/NMC, ensuring their relevance and applicability in various domains.

In order to foster a holistic education, the institute develops adaptable curricula that incorporate credit-based courses and projects aligned with the guidelines set forth by regulatory bodies. These encompass a wide range of subjects, including Soft Skills, Communication Skills, Professional Ethics, Community Service, Gender Studies, Environmental Education, Mind Management, Human Values, Global Citizenship Education, Yoga and Meditation, Indian Culture and Heritage and The Indian Constitution.

To enhance the practical learning experiences and bolster the prospects in the job market, students are offered opportunities to partake in internships with various industries, hospitals, and business establishments.

The diverse range of complimentary Massive Open Online Courses (MOOCs) centered around the United Nations Sustainable Development Goals (SDGs) offered by SDG Academy will also be integrated in the curriculum.

3.8 Distinctiveness of the proposed Deemed to be University - Gayatri Vidya Parishad Institute of Higher Learning and Research

In the ancient Indian education system, students had the invaluable opportunity to acquire knowledge in a vast array of disciplines known as the '**Chauthur Sashti Kalas**', which encompassed a total of sixty-four arts. In accordance with the established tradition and in alignment with the NEP 2020, the proposed University aims to adopt a multidisciplinary/ interdisciplinary/ trans disciplinary approach by integrating the fields of Humanities and Management with STEAMM (Science, Technology, Engineering, Arts, Mathematics, and Medicine).

The educational curriculum aims to cultivate students' capacity to grasp the interconnectedness inherent in diverse fields of human knowledge, including but not limited to the arts, humanities, sciences, management, mathematics, engineering, technology, and medicine. Through the adoption of integrative thinking, the proposed educational institution seeks to cultivate a cohort of individuals to effectively address the ever-evolving complexities of the contemporary age.

The proposed educational institution focuses to

- Customize curriculum designed to equip learners meet the needs of the industry of Global scenario without compromising Sustainable Development Goals (SDGs).
- Ramp-up programs to develop infrastructure/resources, adopt technology driven programs, involve and attract faculty with updated expertise.
- Build a social network to realize the objective of the integrated platform at all levels encompassing all the stake-holders.
- Develop a think-tank to retain and reinforce the Indian way of living with an art of blended Scientific Vision and Technological innovation for the welfare of the society.
- Inculcate a concern towards Social, Gender and Health equity.

Finally, the knowledge and experience acquired there by contribute greatly to the effective establishment of the envisioned university.

4. DETAILED STRATEGIC VISION PLAN FOR 15 YEARS AND ROLLING IMPLEMENTATION PLAN FOR 5 YEARS

4.1 Overview

The strategic plan for Gayatri Vidya Parishad Institute of Higher Learning and Research aims to build upon the institute's current strengths and direct its future growth. By identifying and addressing the most critical issues, this plan outlines specific actions and action plans that will help the institute achieve its goals. Given the rapid and ever-evolving nature of social, economic, and technological dynamics, it is imperative for educational institutions to place significant emphasis on the continuous monitoring and updating of their strategic plans. The formulation of strategic plans presents a valuable occasion to engage in thoughtful deliberation regarding necessary actions and develop strategies that will effectively steer the Institute towards its desired trajectory. Strategic plans play a crucial role in the establishment of a proposed deemed to be university, as educational institutions encounter numerous challenges and potential risks in the future. The strategic plans outlined here offer a series of action plans that can be implemented in a systematic and phased approach in order to effectively achieve the predetermined objectives established for the institute.

Following an extensive and comprehensive dialogue with all relevant parties involved, the strategic plan for the GVPIHLR is guided by the priorities:

- Advancing Multidisciplinary, Transdisciplinary Research to Address Societal and Industrial Needs
- Building Core Teams in Science, Engineering and Medicine
- Capacity building in Teaching, Developing Pedagogy and Assessment Strategies through Centre for Teaching and Innovation
- Optimal learning environment through Experiential Learning Centre
- Safeguarding and Promoting Indian Culture and Values
- Nurturing Collaborative Partnerships with Stakeholders
- Establishment of Technology Parks and Entrepreneurial Workstations
- Facilitating and Fostering Start-up Ventures
- Nurturing International Collaborations with Industry and Institutions
- Developing customised Corporate Training Programs for enhancing employability
- Formation of a Robust Research Wing
- Expanding Community-Oriented Voluntary Initiatives
- Facilitating Personal and Professional Growth of Learners via Customised Programs
- Exploring the traditionally Indian and modern methods of research in tackling the present-day research problems

4.2 Outlook of Vision Plan

Keeping above priorities in view, a broad 15 years vision plan is developed and the glimpses of which are presented hereunder.

Phase – I (2024-29)	Phase – II (2029-34)	Phase – III (2034-39)
Academic: <ul style="list-style-type: none"> Develop schools of learning based on domains and National Education Policy. Flexible curriculum. Integration of disciplines with Trans and multi-disciplinary basket of courses. Skill Cascading Ecosystem for skill and ability enhancement. Alumni Network for feedback aimed at developing teaching-learning process. Alumni mentorship to students. 	<ul style="list-style-type: none"> Enhance the schools of learning increasing integration of disciplines. Totally multidisciplinary higher education with research collaboration. Transition towards a national center for Innovative teaching strategies Industry sponsored Skill Enhancement Hubs Involve Alumni in the set up/sponsorship of Labs, Skill Centers and Coordination of placements. 	<ul style="list-style-type: none"> Consolidation of centers of learning with global outlook. Consolidation as a Multidisciplinary Teaching and Research Institution. Move towards a Global center Consolidation of Skill Centers/Hubs for Holistic Development. Increased Alumni presence in teaching-learning process, Industry Linkages and Governance
Admission Plan: <ul style="list-style-type: none"> Around 27000 students (15% out of state and 5% International students) Amount for Fellowships / Scholarships will be provisioned with an allocation of 1% of budget. Scout for Scholarships opportunities through CSR, HNI, Philanthropists, Government Merit Scholarships, etc. 	<ul style="list-style-type: none"> Increase of 6000 students. Program Ambassadors are identified and corresponding program level expansion plans are developed. 	<ul style="list-style-type: none"> Consolidation of students at around 40000. Build a Sustainable Admission Process.
Faculty Recruitment and Retention Plan: <ul style="list-style-type: none"> Keeping in view the 164 courses proposed, competency mapping will be taken care of and prepare a detailed recruitment plan duly following norms of all the regulatory bodies. Capacity building of teachers through Teaching and Innovation Centre. 	<ul style="list-style-type: none"> Attract a minimum of 10% expertise faculty from across the globe and premiere institutions. Strengthen the concept of professor of practice from industry and ensure a minimum of 5 % in faculty strength. Introduce Digital Teacher through Metaverse (AR/VR) technology. Introducing Research mentor network for PG and research students. 	<ul style="list-style-type: none"> Aim to keep the faculty student ratio at 1:10. Invite faculty of high reputation from top QS / NIRF institutions. Invite at least one researcher with High H-Indexes for each discipline.

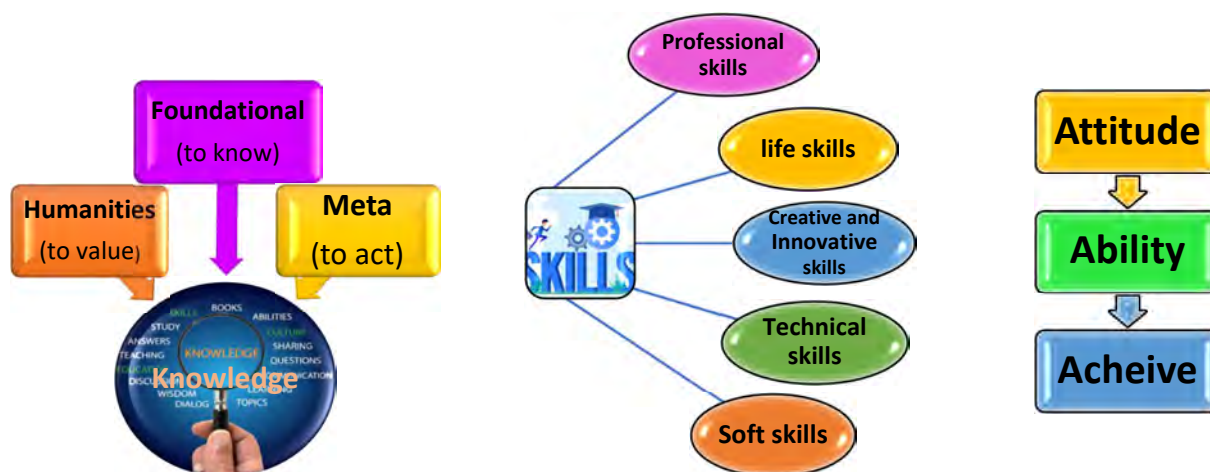
<p>Infrastructure (Physical / Digital):</p> <ul style="list-style-type: none"> • Renovation and modernization of existing facilities meeting the needs of the University. • Establish a minimum of 80% smart class rooms. • Develop digital infrastructure to enhance student experiences. Develop infrastructure for interactive digital content development. • Develop integrated experience with institutional systems like ERP systems, websites, mobile apps, portals, course registration platforms, intranet, and microsites. • Hostels with international outlook and Faculty Quarters 	<ul style="list-style-type: none"> • Establish GVP IHLR Cloud and Visual Analytics dash boards at each level. • Move towards 40% residential campus • Increase in hostels & quarters for faculty. 	<ul style="list-style-type: none"> • Develop digital Experience Platforms (DXP), to combine content management, analytics, integration, personalization, collaboration, and processes to deliver excellent university experiences on multiple channels. • Introduce AI models for admission process, course registration, and auto evaluation. • Move towards 80% residential campus.
<p>Research/ Consultancy/ Innovation and Incubation:</p> <ul style="list-style-type: none"> • Establish 9 New Research centers with Trans and Inter-disciplinary outlook. • Promote Innovation and Incubation through Makers Space, Design Thinking Lab etc., • Collaboration with Higher Institutes of Learning. • Develop an Institutional research policy covering various aspects like high end research, Lab Infrastructure, Seed funding, Incentives for high impact journal publication/ Ph.D / Grants, etc., • Patent filing/ commercialization strategy. 	<ul style="list-style-type: none"> • Establish 6 more Research centers • Develop research excellence framework across the full academic spectrum. • Collaborate with industry for cutting edge research • Encourage startup ventures in the campus with space and seed funding. • Collaborations with Foreign Universities in teaching and research. • 10% of the total research funding is from the research commercialization/ industry funding. 	<ul style="list-style-type: none"> • Consolidation of the Research centers to reach the global standards. • Research Park to house collaborative industrial research and innovation centers with startups. • Global Twinning Program with Academia and Industry. • At least 1% of the faculty should attain High H-index.
<p>Finance Plan:</p> <ul style="list-style-type: none"> • An outlay of Rs.500 Crores approximately will be earmarked towards capital expenditure from an expected revenue resource of Rs.2550 Crores. • Approximately Rs.1500 Crores will be allocated for 	<ul style="list-style-type: none"> • An additional outlay of Rs.300 Crores approximately will be utilized towards maintenance, modification, upgradation and installation of equipment capital expenditure from augmented revenue resource. 	<ul style="list-style-type: none"> • A cost structure would be worked out for partial digital university.

meeting salary, perks wages and other pecuniary benefits towards the welfare of the work force.	<ul style="list-style-type: none"> Additional 10% augmented revenue will be earmarked to meet the raising inflation. 	
Administrative Plan: <ul style="list-style-type: none"> Strengthen internal quality monitoring and assurance mechanism. Establish Administrative support systems. Strengthen the Existing HR Policy Participation in Accreditation and National Ranking. 	<ul style="list-style-type: none"> Automate major / Mundane Processes to the meet the declared citizen charter. Establish Transformation Policy to ensure Equity, Excellence, and Accountability. Improve ranking at National Level 	<ul style="list-style-type: none"> Establish a process of ensuring Quantitative and Qualitative Transformation Build a cohesive connection with generations of the past, present and future. Get a Global ranking below 1000
Governance Plan: <ul style="list-style-type: none"> Establish University Code of Conduct. Ensure Transparency, Accountability, Decentralization and efficiency. Establish Academic and Administrative bodies from a broad diversified spectrum of stakeholders. 	<ul style="list-style-type: none"> Evolve collaboration and partnership strategies. Adopt Best Practices of Global Universities. Establish core policies to avoid penalties and liabilities. 	<ul style="list-style-type: none"> Invite Renowned Personalities on the Executive Council. Establish a 360⁰ review mechanism.

4.3 Academic Vision Plan and Framework

The Proposed Gayatri Vidya Parishad Institute of Higher Learning attempts to realize the core values, academic philosophy of Gayatri Vidya Parishad by imparting students predominately Indian Knowledge System together with an amalgamation of eastern and western methods that promotes liberal thinking, integrative thinking and critical thinking.

The **competencies that will be realized in a student through the academic policy** at GVPIHLR is shown below:



The programs in the proposed deemed to be university are planned in such a manner that the competencies are realized by the student at the end of the program. Towards this, a team of experts develop, design and set procedures for the delivery and assessment of academic content.

4.3.1 Priorities of Academics planned

The key priorities that the Deemed to be University will pursue over the next five years include:

1. Design/Redesign undergraduate, graduate academic curriculum to meet the needs of the prospective employers and address emerging issues.
2. Create a technology-ready mindset among students, researchers, staff and faculty to enhance the academic experience for all learners.
3. Provide learners with transformative educational experience that prepares them to be leaders and contributors to a dynamic workforce and a sustainable future.
4. Promote and enable multi-disciplinary teaching and learning.
5. Attract and develop an outstanding complement of research scholars.
6. Create positive impact and develop progressive outlook for our students by working in partnership with national and global entities.

4.3.2 Types of qualifications and qualification title/nomenclature

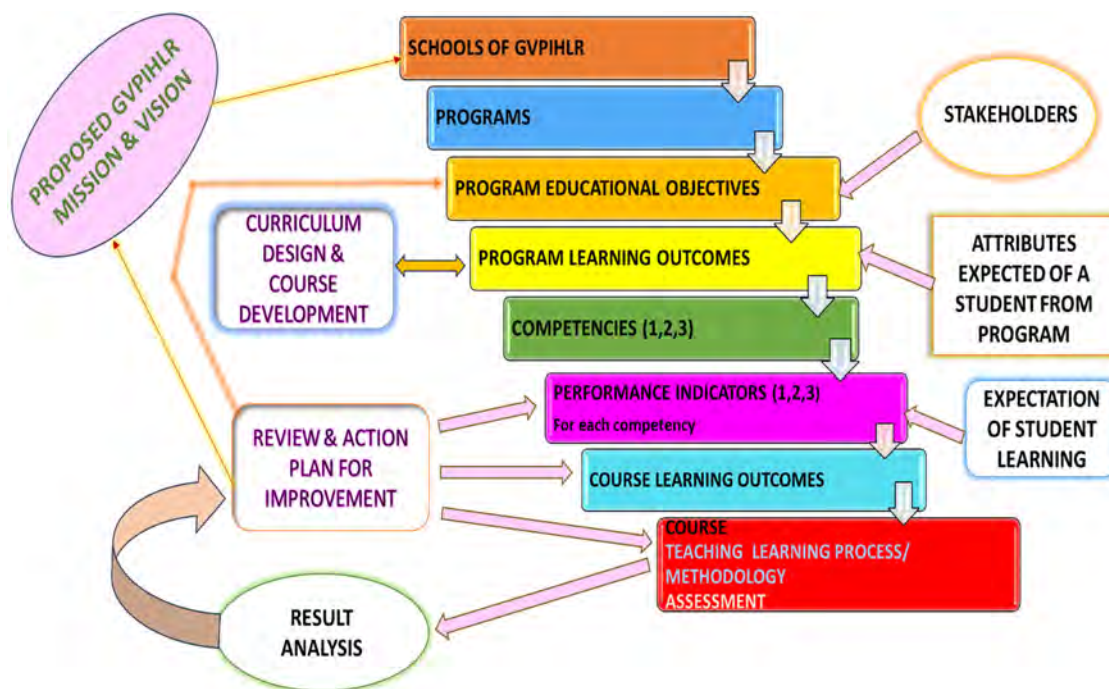
Type of qualification	Qualification title / nomenclature and programme duration
Undergraduate Certificate	Undergraduate Certificate (Field of study/discipline). (Programme duration: First year (first two semesters) of the undergraduate programme, followed by an exit 4-credit skills-enhancement course(s).
Undergraduate Diploma	Undergraduate Diploma (Field of study/discipline). (Programme duration: First two years (first four semesters) of the undergraduate programme, followed by an exit 4-credit skills-enhancement course(s).
Bachelor's degree	Bachelor of (Field of study/discipline) the undergraduate programme Examples: <ul style="list-style-type: none"> • Bachelor of Arts (B.A.), Bachelor of Science (B.Sc.), Bachelor of Commerce (B.Com.), Bachelor of Business Administration (BBA), Programme duration: Three years (six semesters).
Bachelor's degree (Honours/ Honours with Research)	<ul style="list-style-type: none"> • Bachelor of (Field of study/discipline) (Honours/ Honours with Research). • Bachelor of Engineering (B.E), Bachelor of Technology (B.Tech.). Programme duration: Four years (eight semesters).

Post-Graduate Diploma	Post-Graduate Diploma in (Field of study/discipline). Programme duration: One year (two semesters) in the case of those who exit after successful completion of the first year (two semesters) of the 2-year master's degree programme
Master's degree	<p>Master of (Field of study/discipline). Programme duration: Two years (four semesters) for those who have obtained a 3-year/6-semester bachelor's degree, or successfully completed a 4-year bachelor's degree (e.g. B.E., B. Tech., etc.)</p> <p>Master of (Field of study/discipline): Programme duration: One year (two semesters) in the case of those who have obtained a 4-year/8-semester Bachelor's (Honours/ Honours with Research) degree</p> <p>Examples</p> <ul style="list-style-type: none"> • Master of Arts (M.A), Master of Commerce (M.Com.), Master of Science (M.Sc.), • Master of Business Administration (MBA). Programme duration: Two years (Four semesters) after obtaining a Bachelor's degree). • Integrated Bachelor's - Master's degree programmes. Programme duration: five years (ten semesters) after successfully completing secondary education (Grade 12 of school education) • Master of Arts (Education). Programme duration: Two years (Four semesters) after completing a Bachelor's degree programme) • Master of Engineering (M.E), Master of Technology (M.Tech.). Programme duration: Two years (four semesters) after obtaining a Bachelor's degree in engineering/technology.
Doctoral degree	<ul style="list-style-type: none"> • Doctor of Philosophy (Ph.D.)

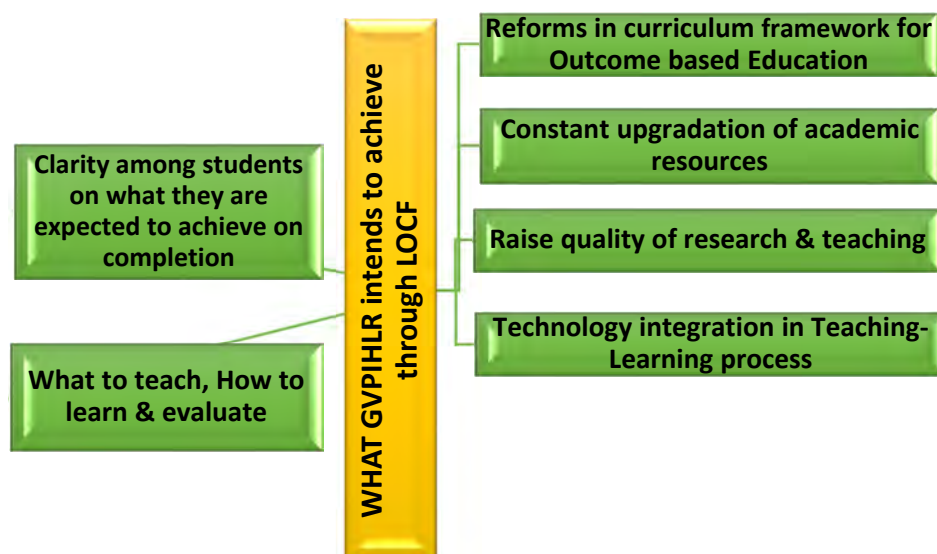
4.3.3 Curriculum Design and Development

The curriculum for all the programs in GVPIHLR follows the Learning Outcome Curriculum Framework (LOCF) to achieve the essential and desirable course outcomes and program outcomes. The LOCF lays emphasis on program learning outcomes that plays a critical role in the design of curriculum and gives direction to all levels of outcome. The LOCF encompasses a Student Centric approach that utilizes a pre-determined set of outcomes to measure student's performance.

The broad flow of curriculum framework adopted in the proposed University is shown below:



By adopting LOCF what GVPIHLR intend to achieve?



4.4 Academic Eco-System

4.4.1 Experiential Learning and Student Readiness

Experiential Learning (EL) refers to the actions and steps taken to utilize the content within a specific context.

At GVPIHLR, students have a diverse range of curricular and co-curricular experiential learning opportunities in every academic department which are specifically designed to offer meaningful and relevant learning experiences that foster excellence in specific disciplines, encourage critical thinking, and promote the development of essential skills. Opportunities within a discipline can be categorized into two distinct types: those that have been deeply ingrained in its history over a long period of time, and those that have emerged more recently as embodiments of dynamic, learner-centered, and evidence-based approaches to teaching and learning.

In order to gain a comprehensive understanding of the various curricular and co-curricular EL opportunities, it is imperative to have a map which serves as a valuable resource for students, faculty, and staff, enabling them to navigate and explore the diverse range of EL offerings across campus.

Curriculum Integrated EL	Co-Curricular EL	Research Based EL	Work integrated EL	Community engaged EL
Laboratory Courses	Co-curricular internships	Course based research projects	Professional/ Clinical Practice/ Industry internships/ field works	Co-curricular community engaged learning
Project based learning/ Case studies	Hackathons/ competitions /Tech fests	Individual research projects	Consulting projects /capstone projects	Knowledge-keeper guided learning
Project Exhibitions/ Simulations/ Industrial Visits	Volunteer Experience/on-campus work	Assistantships	Consulting projects/ cooperative education	National/ State community initiatives

As seen from the table given above, the faculty and learners are equipped with the necessary skills and competencies to navigate the multifaceted challenges they may encounter in their future endeavors and be ‘future ready’ or ‘career ready’. **The experiential learning cycle is essential in the sense as it is widely regarded as a highly effective pedagogical approach.**

4.4.2 Optimum Learning Environment and Support for Students at GVPIHLR

The learning environment encompasses various dimensions, namely the intellectual, social, emotional, and physical aspects, all of which exert an influence on the process of learning. The dynamics between instructors and students significantly influence students' learning approaches and problem-solving strategies. The composition of students in the course, as well as the dynamics of peer interaction, are significant factors that influence the learning environment. In order to foster an optimal learning environment, it is crucial to prioritize equity, inclusivity, and accessibility. These three components play a pivotal role in ensuring that every student is provided with the necessary support and resources to thrive academically.

Towards ensuring this, the following are some of the facilities made available at the institute

- (i) Effective classroom management
- (ii) Assisting, mentoring, and providing constructive feedback in the context of peer influences
- (iii) Enhance the ability to interact with others in a meaningful way.
- (iv) Enable to collaboratively build and validate understanding by engaging in continuous and meaningful communication.
- (v) Provision for the design, facilitation and direction of cognitive and social processes for meaningful learning.
- (vi) Provision for Community-centered learning environments such as topic-centered clubs and activities
- (vii) Experiential Learning Centre to promote creativity and engaging environment.
- (viii) Effective Educational and ICT Resources
- (ix) Autonomy to innovate on pedagogy and formative assessment
- (x) Availability of mentor-mentee system and professional counsellors.
- (xi) A high-powered curriculum committee to revise in line with the most up-to-date knowledge needs and to meet specific learning objectives.
- (xii) A criterion-based grading system is adopted to assess the student achievements based on the learning goals for each programme.

4.4.3 Pedagogical Approaches at GVPIHLR

Our academic community employs a diverse array of globally recognized teaching and learning approaches to establish an optimal educational setting that fosters student achievement. Our faculty members employ a range of effective teaching methods and strategies to enhance our students' learning experience.

Here is an overview of these approaches.

- (i) **Classroom lectures:** Our instructional approach involves the delivery of subject-based lectures, which serve as a comprehensive means of providing a robust overview of the topic being taught. Instructors incorporate concise presentations into their lecture delivery in order

- to enhance students' understanding and mastery of the subject matter at hand. Upon the culmination of the instructional sessions within the classroom setting, students are encouraged to actively engage in the learning process by posing inquiries, expressing their thoughts, and addressing any uncertainties they may have. The pedagogical approach employed in this instructional method is highly effective in terms of its ability to create a significant and lasting impression on learners.
- (ii) **Experiential Learning:** Our educational approach not only prioritizes theoretical learning, but also places a strong emphasis on the practical application of knowledge and skills in real-world contexts. The experiential learning model adopted encompasses the four key stages: concrete experience, reflective observation, abstract conceptualization, and active experimentation. This form of learning also includes activity-based learning, research-based learning etc.
 - (iii) **Problem-based Learning:** In the context of problem-based learning, students are exposed to intricate real-world problems and are encouraged to generate potential solutions in order to address them effectively. In order to foster a collaborative learning environment, students are encouraged to engage in group work as a common practice within this pedagogical approach. The cultivation of a collaborative mindset is facilitated by this particular activity, which serves to foster a sense of unity and cooperation among individuals.
 - (iv) **Seminars/Guest-Lectures/Workshops:** We frequently engage in the coordination and facilitation of seminars/workshops, wherein esteemed guest speakers/industry experts are cordially invited to deliver insightful lectures/provide hands-on training on carefully selected and specialized subjects. This format typically fosters a collaborative and participatory dialogue. In the context of fostering an inclusive and participatory learning environment, students are encouraged to actively engage in the discourse/workshop by posing inquiries and expressing their perspectives pertaining to the subject matter at hand.
 - (v) **Blended Learning:** In addition to the conventional pedagogical methods employed within the physical boundaries of a traditional classroom setting, we have embraced the utilization of online education as a means to provide learners with access to exceptional educational opportunities right at their own convenience. The utilization of our electronic materials, coupled with our collection of live and recorded videos, serves to expedite and enrich the self-directed learning journey of our users.

4.4.4 Collaborative Teaching and Research:

The cutting-edge programs and courses implemented at GVPIHLR necessitate the involvement of knowledgeable academicians and industry professionals from both India and abroad. The institute is strategically poised to cultivate adaptable learning environments and state-of-the-art laboratory facilities.

The institute plans to establish a dedicated center or group with the sole objective of fostering national and international collaboration. The establishment will serve as a platform for fostering collaborative pedagogy and scholarly inquiry among the academic divisions of the university and esteemed institutions

worldwide. Additionally, it will actively encourage the reciprocal exchange of students, research scholars, and educators, thereby promoting mutual benefits for all parties involved. In accordance with the guidelines set forth by the University Grants Commission (UGC), the institute has implemented measures to incorporate Professors of Practice into its academic framework.

A Professor of practice at GVPIHLR is for three years, with the possibility of an additional year being granted in extraordinary circumstances.

The basic role envisaged for a Professor of Practice at the institute is to

- leverage their network and create opportunities for the students in the industry
- lead to the emergence of a more collaborative relationship with industry
- involve at all stages of the teaching-learning process from curriculum development to evaluation.
- engage in co-creation of digital content/educational material
- help in organizing seminars and conferences in association with industry to share best practices and discuss emerging trends

4.4.5 Curriculum and Credit Framework for Under Graduate Programmes (CCFUP) of UGC

In tune with NEP-2020 a comprehensive and interdisciplinary education that incorporates credit-based courses and projects in community engagement, environmental education, and value-based education in the flexible and innovative curricula.

Courses shall be coded based on the learning outcomes, level of difficulty, and academic rigor. The coding structure is as follows:

- 0-99: *Pre-requisite courses*** required to undertake an introductory course which will be a pass or fail course with no credits.
- 100-199: *Foundation or introductory courses*** that are intended for students to gain an understanding and basic knowledge about the subjects and help decide the subject or discipline of interest.
- 200-299: *Intermediate-level courses*** including subject-specific courses intended to meet the credit requirements for minor or major areas of learning.
- 300-399: *Higher-level courses*** which are required for majoring in a disciplinary/interdisciplinary area of study for the award of a degree.
- 400-499: *Advanced courses*** which would include lecture courses with practicum, seminar-based course, term papers, research methodology, advanced laboratory experiments/software training, research projects, hands-on-training, internship/apprenticeship projects at the undergraduate level or First year Post-Graduate theoretical and practical courses.

- vi. **500-599:** Courses at first-year Master's degree level for a 2-year Master's degree programme
- vii. **600-699:** Courses for second-year of 2-year Master's or 1-year Master's degree programme
- viii. **700 -799 & above:** Courses limited to doctoral students.

The four-year Undergraduate program will comprise courses under different categories. Some of the categories of courses for a typical program are shown below



Note:

- i. Only the minimum total number of credits in each semester is indicated above. GVPIHLR will decide the number of credits for each course (e.g. Major, Minor, Multidisciplinary, etc.) to fulfill the minimum number of credit requirements.
- ii. Students may be permitted to audit course(s) of their choice offered by the GVPIHLR provided they meet the pre-requisite for the course.
- iii. Minor stream courses can be from the 3rd 300 or above level and 50% of the total credits from minors must be secured in the relevant subject/discipline and another 50% of the total credits from a minor can be earned from any discipline as per students' choice.
- iv. Students are not allowed to take the same courses studied in the 12th class under the

- interdisciplinary category.
- v. 40% of the credits in any category may be earned through online courses approved by the Department and Institution as per the existing UGC regulations.
- vi. VIII-Semester core major may be seminar-based with students' presentations and discussions.
- vii. Students are encouraged to enroll in activities such as NSS / NCC.

4.5 Assessment types employed in GVPIHLR

Student comprehension in GVPIHLR is developed and evaluated through a diverse array of learning activities, encompassing various methodologies and categorized according to multiple criteria. The assessment is tailored to accommodate the specific characteristics and qualities of the learner. The qualities, which are directly connected to the Program Education Objectives and Outcomes, originate from the taxonomy.

Depending on the course in a program, all or some of the modes of assessment are planned to employed:

- i. Written mode
- ii. Oral mode
- iii. Practical mode
- iv. Integrated mode

4.5.1 Model Assessment

Theory Courses Internal Assessment - 50 M Class test (best 2 out of 3) - 20M (2*10) Quiz (best 3 out of 4) - 15M (3*5) Assignment - 5M Active learning - 10M External Assessment (end of semester) - 50 M	Practical Courses Internal Assessment - 50 M Continous Assessment (Lab Record) - 10M Lab Work Assessment (best 3 out of 4) - 30M (3*10) Viva-Voce/ Quiz (best 2 out of 3) - 10M (2*5) External (Practical with Viva)- 50 M
Project Work Internal Assessment - 100M Project Assessment (best 3 out of 4) - 75M (3*25) Participation in discussion/ Leadership- 25M External (end of semester)-100M	Work Experience Course Assessment Internal Assessment -100M Report - 50M Viva-Voce - 25M Comprehensive -25M (open assessment multiple type)

4.5.2 Internal Assessment Procedure:

In order to assess the skills, values and knowledge gained by the student, the concerned faculty member has to conduct internal assessment. The internal assessment may comprise of the following:

- All the undergraduate, postgraduate, and Ph.D. programmes offered by the University will have specified components for internal evaluation which will be a test of participatory learning.
- The schedule and pattern of continuous assessment/evaluation is decided in advance and publicized to all students and faculty through the institutional regulations. The components of internal assessment/evaluation are to have a time frame for completion by students with concurrent and continuous evaluation of faculty members.
- To ensure transparency, fair-play and accountability, the evaluation report submitted by all the faculty members are to be reviewed from time to time by a committee of the institution

constituted by the appropriate authority.

- iv. The outcome of the internal evaluation reviewed by the committee is announced and displayed.

v.

4.5.3 Expected Learning Outcomes

Expected learning outcomes encompass the comprehensive range of information, knowledge, attitudes, values, skills, competencies, or behaviors that a learner is expected to proficiently acquire and demonstrate upon the successful culmination of the prescribed curriculum.

The National Higher Education Qualification Framework (NHEQF) of UGC requires students to acquire and demonstrate expected graduate attributes through various modes of learning, such as in-person instruction, distance learning, online learning, and hybrid/blended modes.

Graduate attributes encompass discipline-specific learning outcomes relevant to the chosen field(s) of study within **multidisciplinary/interdisciplinary contexts, as well as generic learning outcomes** that all graduates should acquire and exhibit across various academic programs.

Characteristics of a Graduate

Type of learning outcomes	The Learning Outcomes
Learning outcomes that are specific to disciplinary/interdisciplinary areas of learning	Graduates should be capable of showcasing the attainment of:
	A thorough understanding and extensive knowledge of the selected areas of study within a wide-ranging multidisciplinary framework, including their various learning domains, connections to related fields of study, and current and future advancements associated with these areas of learning.
	The necessary knowledge and skills needed to perform professional or highly skilled work in a specific field of study, including the knowledge needed for self-employment and the mindset required for entrepreneurial endeavors such as creating new businesses, improving product development, or implementing new organizational methods.
	competencies in domains pertinent to specialization within the selected interdisciplinary or disciplinary fields of study within a broad multidisciplinary framework, encompassing diverse practical skills that encompass both routine and non-routine situations associated with the selected fields of study.
	ability to generate solutions to specific problems by extrapolating from what has been learned, translating concepts to real-world situations, and applying acquired competencies in novel or unfamiliar contexts, as opposed to merely replicating curriculum content knowledge.

Generic
learning
outcomes

The graduates should be able to demonstrate the acquisition / possess the capability of:

- *Complex Problem-Solving*
- *Critical Thinking*
- *Communication Skills*
- *Analytical reasoning/thinking*
- *Research-related skills*
- *Coordinating/collaborating with others*
- *Leadership readiness/qualities*
- *‘Learning how to learn’ skills*
- *Digital and technological skills*
- *Multicultural competence and inclusive spirit*
- *Value inculcation*
- *Autonomy, responsibility, and accountability*
- *Environmental awareness and action*
- *Community engagement and service*
- *Empathy*

4.6 Proposed Schools and Programmes

The programs proposed in the GVP IHLR are grouped into **EIGHT** schools. The detailed programme structure with intake and strength are given in the following tables

Table 1: Proposed Schools and the number of Departments and Programs in the first five years

S NO	SCHOOL	DEPARTMENTS	PROGRAMS			
			DIP	UG	PG	TOT
1	ARTS AND HUMANITIES	7	3	5	4	12
2	COMMERCE AND MANAGEMENT	16	5	7	11	23
3	CHEMICAL, MECHANICAL AND CIVIL	12	0	8	6	14
4	COMPUTERS AND MEDICAL TECHNOLOGY	4	0	2	4	6
5	COMPUTER SCIENCE AND ENGINEERING	12	0	12	3	15
6	ELECTRICAL AND ELECTRONICS ENGINEERING	10	0	8	4	12
7	MEDICINE	35	17	7	38	62
8	SCIENCE	18	2	10	8	20
	TOTAL	114	27	59	78	164

Table 2: Proposed Programmes in the School of Arts and Humanities with their respective strength in the first five years

G SNO	Department	Level	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN- SCHOOL- DSN-LEVEL)		2024- 25 (Intake)	2025- 26	2026- 27	2027- 28	2028- 29
1	LIBERAL ARTS	UG	001-A&H-01- 02	INTEGRATED DIGITAL LIBERAL ARTS	60	120	180	240	240
2	MUSIC	UGD	002-A&H-02- 01	DIGITAL HARMONY: MUSIC, TECHNOLOG Y, PEDAGOGY	40	80	80	80	80
3	PSYCHOLO GY	UG	003-A&H-03- 02	DIGITAL PSYCHOLOGY	60	120	180	240	240
4	PSYCHOLO GY	PG	004-A&H-03- 03	ADVANCED DIGITAL PSYCHOLOGY	40	80	80	80	80
5	RURAL AND TRIBAL STUDIES	UG	005-A&H-04- 02	RURAL AND TRIBAL STUDIES	60	120	180	240	240
6	RURAL AND TRIBAL STUDIES	PG	006-A&H-04- 03	PROGRESSIVE RURAL AND TRIBAL STUDIES	40	80	80	80	80
7	SANSKRIT	UGD	007-A&H-05- 01	DIGITAL SANSKRIT INTEGRATION	40	80	80	80	80
8	SANSKRIT	UG	008-A&H-05- 02	APPLIED DIGITAL SANSKRIT INTEGRATION	60	120	180	240	240
9	SANSKRIT	PG	009-A&H-05- 03	ADVANCED DIGITAL SANSKRIT INTEGRATION	40	80	80	80	80
10	TELUGU	UG	010-A&H-06- 02	LINGUISTIC INTEGRATION : TELUGU AND TECHNOLOG Y	60	120	180	240	240
11	TELUGU	PG	011-A&H-06- 03	LINGUISTIC INTEGRATION - TELUGU AND TECHNOLOG Y	40	80	80	80	80
12	YOGA	UGD	012-A&H-07- 01	HOLISTIC YOGA AND CONSCIOUSN ESS CULTIVATION	60	120	120	120	120
					600	1200	1500	1800	1800
				Ph.D Students	20	40	60	60	60
				Total:	620	1240	1560	1860	1860

Table 3: Proposed Programmes in the School of Commerce and Management with their respective strength in the first five years

G SN O	Department	Level	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN- SCHOOL- DSN- LEVEL)		2024- 25 (Intake)	2025- 26	2026- 27	2027- 28	2028- 29
13	BUSINESS ANALYTICS	UG	013-C&M-01-02	BBA – BUSINESS ANALYTICS	120	240	360	480	480
14	BUSINESS ANALYTICS	UG	014-C&M-01-02	BBA – DATA SCIENCE	120	240	360	480	480
15	BUSINESS ANALYTICS	PG	015-C&M-01-03	MBA – AI AND MACHINE LEARNING	60	120	120	120	120
16	BUSINESS ANALYTICS	PG	016-C&M-01-03	MBA – BUSINESS ANALYTICS	60	120	120	120	120
17	ACCOUNTING AND FINANCIAL MANAGEMENT	UGD	017-C&M-02-01	INSURANCE MANAGEMENT	60	120	120	120	120
18	ACCOUNTING AND FINANCIAL MANAGEMENT	UGD	018-C&M-02-01	STOCK MARKET OPERATIONS	60	120	120	120	120
19	ACCOUNTING AND FINANCIAL MANAGEMENT	UG	019-C&M-02-02	BBA – FINANCIAL SERVICES	60	120	180	240	240
20	ACCOUNTING AND FINANCIAL MANAGEMENT	UG	020-C&M-02-02	BBA – FINTECH	60	120	180	240	240
21	ACCOUNTING AND FINANCIAL MANAGEMENT	PG	021-C&M-02-03	MBA – BLOCK CHAIN MANAGEMENT	60	120	120	120	120
22	HUMAN RESOURCE MANAGEMENT & ENTREPRENEURSHIP	UGD	022-C&M-03-01	EVENT MANAGEMENT	60	120	120	120	120
23	HUMAN RESOURCE MANAGEMENT & ENTREPRENEURSHIP	UGD	023-C&M-03-01	HUMAN RESOURCE MANAGEMENT	60	120	120	120	120
24	HUMAN RESOURCE MANAGEMENT & ENTREPRENEURSHIP	UG	024-C&M-03-02	BBA – START-UP AND ENTREPRENEURSHIP	60	120	180	240	240
25	HUMAN RESOURCE MANAGEMENT & ENTREPRENEURSHIP	PG	025-C&M-03-03	MBA – BEHAVIOURAL SCIENCE	60	120	120	120	120
26	HUMAN RESOURCE MANAGEMENT & ENTREPRENEURSHIP	PG	026-C&M-03-03	MBA – HUMAN CAPITAL MANAGEMENT	60	120	120	120	120

27	HUMAN RESOURCE MANAGEMENT & ENTREPRENEURSHIP	PG	027-C&M- 03-03	MBA – STRATEGIC HUMAN RESOURCE MANAGEMENT	60	120	120	120	120
28	HUMAN RESOURCE MANAGEMENT & ENTREPRENEURSHIP	PG	028-C&M- 03-03	MBA – INNOVATION AND DESIGN THINKING	60	120	120	120	120
29	MARKETING AND SUPPLY CHAIN MANAGEMENT	UGD	029-C&M- 04-01	SALES AND RETAILING	60	120	120	120	120
30	MARKETING AND SUPPLY CHAIN MANAGEMENT	UG	030-C&M- 04-02	BBA – DIGITAL MARKETING	120	240	360	480	480
31	MARKETING AND SUPPLY CHAIN MANAGEMENT	PG	031-C&M- 04-03	MBA – DIGITAL MARKETING	60	120	120	120	120
32	MARKETING AND SUPPLY CHAIN MANAGEMENT	PG	032-C&M- 04-03	MBA – LOGISTICS AND SUPPLY CHAIN MANAGEMENT	60	120	120	120	120
33	OPERATIONS MANAGEMENT	UGD	033-C&M- 05-01	BBA – HOSPITAL & HEALTH SERVICES MANAGEMENT	60	120	180	240	240
34	OPERATIONS MANAGEMENT	PG	034-C&M- 05-03	MBA – OPERATIONS MANAGEMENT	60	120	120	120	120
35	OPERATIONS MANAGEMENT	PG	035-C&M- 05-03	MBA – TECHNOLOGY MANAGEMENT	60	120	120	120	120
					1560	3120	3720	4320	4320
				Ph.D. Students	30	60	90	90	90
				Total:	1590	3180	3810	4410	4410

Table 4 : Proposed Programmes in the School of Chemical, Mechanical and Civil Engineering with their respective strength in the first five years

G SN O	Department	Level	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN- SCHOOL- DSN- LEVEL)		2024-25 (Intake)	2025- 26	2026- 27	2027- 28	2028- 29
36	CHEMICAL ENGINEERING	UG	036-CMC- 01-02	CHEMICAL ENGINEERING (PHARMACEUTICAL)	60	120	180	240	240
37	CHEMICAL ENGINEERING	UG	037-CMC- 02-02	CHEMICAL ENGINEERING (INDUSTRY INTEGRATED)	60	120	180	240	240
38	CIVIL ENGINEERING	UG	038-CMC- 03-02	CIVIL ENGINEERING (AI AND GEOINFORMATICS)	60	120	180	240	240
39	CIVIL ENGINEERING	UG	039-CMC- 04-02	CIVIL ENGINEERING (INDUSTRY INTEGRATED)	60	120	180	240	240
40	CIVIL ENGINEERING	UG	040-CMC- 05-02	CIVIL ENGINEERING (CONSTRUCTION TECHNOLOGY)	60	120	180	240	240
41	CIVIL ENGINEERING	PG	041-CMC- 05-03	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	12	24	24	24	24
42	CIVIL ENGINEERING	PG	042-CMC- 06-02	ENVIRONMENTAL ENERGY AND AUDIT	12	24	24	24	24
43	CIVIL ENGINEERING	PG	043-CMC- 07-03	QUANTITY SURVEYING AND CONTRACTS MANAGEMENT	12	24	24	24	24
44	CIVIL ENGINEERING	PG	044-CMC- 08-03	WATERSHED MANAGEMENT	12	24	24	24	24
45	MECHANICAL ENGINEERING	UG	045-CMC- 09-02	MECHANICAL ENGINEERING (INDUSTRY INTEGRATED)	60	120	180	240	240
46	MECHANICAL ENGINEERING	UG	046-CMC- 10-02	MECHATRONICS AND AUTOMATION	60	120	180	240	240
47	MECHANICAL ENGINEERING	UG	047-CMC- 11-02	MECHANICAL ENGINEERING (ROBOTICS AND AI)	60	120	180	240	240
48	MECHANICAL ENGINEERING	PG	048-CMC- 11-03	ROBOTICS AND AI	12	24	24	24	24
49	MECHANICAL ENGINEERING	PG	049-CMC- 12-03	ADDITIVE MANUFACTURING	12	24	24	24	24
					552	1104	1584	2064	2064
				Ph.D. Students	50	100	150	150	150
				Total:	602	1204	1734	2214	2214

Table 5: Proposed Programmes in the School of Computer Science and Medical Technology with their respective strength in the first five years

G SNO	Department	Level	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN- SCHOOL- DSN- LEVEL)		2024- 25 (Intake)	2025- 26	2026- 27	2027- 28	2028- 29
50	COMPUTER SCIENCE & MEDICAL TECHNOLOGY	UG	050-CMT- 01-02	CSE- HEALTH INFORMATICS	60	120	180	240	240
51	COMPUTER SCIENCE & MEDICAL TECHNOLOGY	UG	051-CMT- 01-02	COMPUTER SCIENCE AND MEDICAL ENGINEERING	60	120	180	240	240
52	COMPUTER SCIENCE & MEDICAL TECHNOLOGY	PG	052-CMT- 01-03	COMPUTER SCIENCE AND MEDICAL IMAGING TECHNOLOGY	12	24	24	24	24
53	COMPUTER SCIENCE & MEDICAL TECHNOLOGY	PG	053-CMT- 01-03	MEDICAL ROBOTICS AND ARTIFICIAL INTELLIGENCE	12	24	24	24	24
54	COMPUTER SCIENCE & MEDICAL TECHNOLOGY	PG	054-CMT- 01-03	HEALTHCARE SYSTEMS ENGINEERING	12	24	24	24	24
55	BIOMEDICAL ENGINEERING	PG	055-CMT- 02-03	BIOMEDICAL ENGINEERING	12	24	24	24	24
					168	336	456	576	576
				Ph.D. Students	15	30	45	45	45
				Total:	183	366	501	621	621

Table 6: Proposed Programmes in the School of Computer Science and Engineering with their respective strength in the first five years

G SNO	Department	Level	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN-SCHOOL-DSN-LEVEL)		2024-25 (Intake)	25-26	26-27	27-28	2028-29
56	CSE	UG	056-CSE-01-02	CSE (INDUSTRY INTEGRATED)	120	240	360	480	480
57	CSE	UG	057-CSE-01-02	CSE (QUANTUM COMPUTING)	120	240	360	480	480
58	CSE	UG	058-CSE-01-02	CSE (COMPUTER ENGINEERING)	120	240	360	480	480
59	CSE	UG	059-CSE-01-02	CSE (CLOUD COMPUTING AND DEVOPS)	240	480	720	960	960
60	CSE	UG	060-CSE-01-02	CSE (COMPUTER SCIENCE AND BUSINESS SYSTEMS)	120	240	360	480	480
61	CSE (CYBER SECURITY)	UG	060-CSE-02-02	CSE (CYBER FORENSICS)	120	240	360	480	480
62	CSE (CYBER SECURITY)	UG	061-CSE-02-02	CSE (IOT AND CYBERSECURITY WITH BLOCKCHAIN TECHNOLOGY)	120	240	360	480	480
63	CSE (CYBER SECURITY)	PG	062-CSE-02-03	CSE (CYBER FORENSICS AND INFORMATION SECURITY)	12	24	24	24	24
64	CSE (ARTIFICIAL INTELLIGENCE – MACHINE LEARNING – DATA SCIENCE)	UG	064-CSE-03-02	CSE (ARTIFICIAL INTELLIGENCE AND DATA SCIENCE)	120	240	360	480	480
65	CSE (ARTIFICIAL INTELLIGENCE – MACHINE LEARNING – DATA SCIENCE)	PG	065-CSE-03-03	CSE (ARTIFICIAL INTELLIGENCE AND DATA SCIENCE)	12	12	24	24	24
66	CSE (ARTIFICIAL INTELLIGENCE – MACHINE LEARNING – DATA SCIENCE)	UG	066-CSE-03-02	CSE (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	60	120	180	240	240

67	CSE (ARTIFICIAL INTELLIGEN CE – MACHINE LEARNING – DATA SCIENCE)	UG	067- CSE-03- 02	CSE (DATA SCIENCE)	60	120	180	240	240
68	CSE (IoT)	UG	068- CSE-04- 02	CSE (IOT AND AUTOMATION)	60	120	180	240	240
69	CSE (IoT)	PG	069- CSE-04- 03	CSE (IOT AND AUTOMATION)	12	12	24	24	24
70	INFORMATI ON TECHNOLO GY	UG	070- CSE-05- 02	IT (Industry Integrated)	120	240	360	480	480
					1416	2808	4212	5592	5592
				Ph.D. Students	125	250	375	375	375
				Total:	1541	3058	4587	5967	5967

Table 7: Proposed Programmes in the School of Electrical and Electronics Engineering with their respective strength in the first five years

G SNO	Department	Level	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN-SCHOOL-DSN-LEVEL)		2024-25 (Intake)	2025-26	2026-27	2027-28	2028-29
71	EE	UG	071-E&E-01-02	EEE (SMART GRID AND ELECTRIC VEHICLES)	60	120	180	240	240
72	EE	PG	072-E&E-01-03	E-MOBILITY	12	24	24	24	24
73	EE	PG	073-E&E-01-03	ENERGY AND ENVIRONMENTAL ENGINEERING	12	24	24	24	24
74	ECE	UG	074-E&E-02-02	ELECTRONICS AND COMPUTER ENGINEERING	60	120	180	240	240
75	ECE	UG	075-E&E-02-02	ELECTRONICS AND COMMUNICATION ENGINEERING (BIO-MEDICAL)	60	120	180	240	240
76	ECE	UG	076-E&E-02-02	ELECTRONICS ENGINEERING (VLSI DESIGN AND TECHNOLOGY)	60	120	180	240	240
77	ECE	PG	077-E&E-02-03	VLSI SYSTEM DESIGN	12	24	24	24	24
78	ECE	UG	078-E&E-02-02	ELECTRONICS AND COMMUNICATION ENGINEERING (INDUSTRY INTEGRATED)	60	120	180	240	240
79	ECE	UG	079-E&E-02-02	ELECTRONICS AND COMMUNICATION ENGINEERING (AVIONICS)	180	360	540	720	720
80	ECE	UG	080-E&E-2-02	ELECTRONICS ENGINEERING (SEMI-CONDUCTOR)	60	120	180	240	240
81	RENEWABLE ENERGY	UG	081-E&E-03-02	RENEWABLE ENERGY	60	120	180	240	240
82	RENEWABLE ENERGY	PG	082-E&E-03-03	RENEWABLE ENERGY ENGINEERING AND MANAGEMENT	12	24	24	24	24
					648	1296	1896	2496	2496
				Ph.D. Students	60	120	180	180	180
				Total:	708	1416	2076	2676	2676

Table 8: Proposed Programmes in the School of Medicine with their respective strength in the first five years

G SNO	Department	Level	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN- SCHOOL- L-DSN- LEVEL)		2024- 25 (Intake)	2025- 26	2026- 27	2027- 28	2028- 29
83	ANAESTHESIOLOGY	UGD	83-MED-01-01	DIPLOMA – MEDICAL STERILIZATION AND OPERATION THEATRE TECHNOLOGY				30	60
84	ANAESTHESIOLOGY	UGD	84-MED-01-01	DIPLOMA – ANAESTHESIA TECHNICIAN				30	60
85	ANAESTHESIOLOGY	UG	85-MED-01-02	B.SC - ANESTHESIA & OPERATION TECHNOLOGY	30	60	90	120	120
86	ANAESTHESIOLOGY	PG	86-MED-01-03	MD – ANAESTHESIOLOGY	6	12	12	12	12
87	BIO, MICRO, PATH	UGD	87-MED-02-01	DIPLOMA – MEDICAL LAB. TECHNOLOGY (DMLT)	30	60	60	60	60
88	BIO, MICRO, PATH	UG	88-MED-02-02	B.SC - OPTOMETRY	30	60	90	120	120
89	BIOCHEMISTRY	PG	89-MED-03-03	MD. - BIO-CHEMISTRY				4	8
90	CARDIOLOGY	UGD	90-MED-04-01	DIPLOMA – CARDIOLOGY TECHNICIAN				30	60
91	CARDIOLOGY	UGD	91-MED-04-01	DIPLOMA – CATH. LAB. TECHNOLOGY				30	60
92	CARDIOLOGY	PG	92-MED-04-03	DM. - CARDIOLOGY				2	4
93	COMMUNITY MEDICINE	UGD	93-MED-05-01	DIPLOMA – MULTIPURPOSE HEALTH ASSISTANT				30	60
94	COMMUNITY MEDICINE	PG	94-MED-05-03	MD – COMMUNITY MEDICINE	2	4	4	4	4
95	COMMUNITY MEDICINE AND OBG	PG	95-MED-05-03	MD. - LABORATORY MEDICINE	4	8	8	8	8
96	CT SURGERY	PG	96-MED-06-03	M.CH. - CARDIOTHORACIC SURGERY				2	4

97	DERMATOLOGY, LEPROLOGY & VENEREAL DISEASES	PG	97- MED- 07-03	MD – DVL (SKIN)	3	6	6	6	6
98	EMERGENCY MEDICINE	PG	98- MED- 08-03	MD. - EMERGENCY MEDICINE	4			4	8
99	EMERGENCY MEDICINE	PG	99- MED- 08-03	M.SC. - CRITICAL CARE NURSING				10	20
100	ENDOCRINOLOGY	PG	100- MED- 08-03	DM. - ENDOCRINOLOG Y				2	4
101	ENT	UG	101- MED- 09-02	B.SC - AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY		30	60	90	120
102	ENT	PG	102- MED- 09-03	MS - ENT	3	6	6	6	6
103	GASTROENTEROLO GY	PG	103- MED- 10-03	DM. - GASTROENTERO LOGY				2	4
104	GENERAL MEDICINE	UGD	104- MED-11- 01	DIPLOMA – ECG TECHNICIAN				30	60
105	GENERAL MEDICINE	PG	105- MED-11- 03	MD- GENERAL MEDICINE	4	8	8	8	8
106	GENERAL SURGERY	PG	106- MED- 12-03	MS - GENERAL SURGERY	6	12	12	12	12
107	MBBS (ALL DEPTS. IN COLLREGE)	UG	107- MED- 13-02	MBBS EXISTING 4.5 YEARS	200	400	600	800	800
108	MEDICAL ONCOLOGY	PG	108- MED- 14-03	DM. - MEDICAL ONCOLOGY				2	4
109	MICROBIOLOGY	PG	109- MED- 15-03	MD. - MICROBIOLOGY	-			4	8
110	NEPHROLOGY	UGD	110- MED- 16-01	DIPLOMA – DIALYSIS TECHNOLOGY	30	60	60	60	60
111	NEPHROLOGY	PG	111- MED- 16-03	DM. - NEPHROLOGY				2	4
112	NEUROLOGY	PG	112- MED- 16-03	DM. - NEUROLOGY				2	4
113	NEUROSURGERY	PG	113- MED- 17-03	M.CH. - NEUROSURGERY				2	4
114	NURSING	UGD	114- MED- 18-01	DIPLOMA – GENERAL NURSING AND MIDWIFERY					30

115	NURSING	UGD	115-MED-18-01	DIPLOMA – AUXILIARY NURSE AND MIDWIFE					30
116	NURSING	UG	116-MED-18-02	B.SC. - NURSING		100	200	300	400
117	OBG	PG	117-MED-19-03	MS – OBG	3	6	6	6	6
118	OBG	PG	118-MED-19-03	M.SC. - GYNAECOLOGY AND OBSTETRICS NURSING	10	20	20	20	20
119	ONCOLOGY	PG	119-MED-20-03	M.SC. - ONCOLOGICAL NURSING				10	20
120	OPHTHALMOLOGY	UGD	120-MED-21-01	DIPLOMA – OPHTHALMIC ASSISTANT	30	60	60	60	60
121	OPHTHALMOLOGY	UGD	121-MED-21-01	DIPLOMA – OPTOMETRIC TECHNICIAN				30	60
122	OPHTHALMOLOGY	UG	122-MED-21-02	B.SC - OPTOMETRY	30				120
123	OPHTHALMOLOGY	PG	123-MED-21-03	MS - OPHTHALMOLOGY	1	2	2	2	2
124	ORTHOPEDICS	PG	124-MED-22-03	MS – ORTHOPEDICS	3	6	6	6	6
125	PATHOLOGY	PG	125-MED-23-03	MD – PATHOLOGY	2	4	4	4	4
126	PATHOLOGY AND BLOOD BANK	UGD	126-MED-24-01	DIPLOMA – PERFUSION TECHNOLOGY				30	60
127	PEDIATRIC SURGERY	PG	127-MED-25-03	M.CH. - PEDIATRIC SURGERY				2	4
128	PEDIATRICS	PG	128-MED-26-03	MD – PEDIATRICS	3	6	6	6	6
129	PEDIATRICS	PG	129-MED-26-03	M.SC. - PEDIATRIC NURSING				10	20
130	PEDIATRICS	PG	130-MED-26-03	M.SC. - NEONATAL INFANT AND NEWBORN NURSING				10	20
131	PLASTIC SURGERY	PG	131-MED-27-03	M.CH. - PLASTIC SURGERY				2	4
132	PSYCHIATRY	PG	132-MED-28-03	MD- PSYCHIATRY	3	6	6	6	6

133	PSYCHIATRY	PG	133-MED-29-03	M.SC. - NEUROSCIENCE AND MENTAL HEALTH NURSING	10	20	20	20	20
134	PSYCHIATRY	PG	134-MED-29-03	M.SC. - PSYCHIATRIC NURSING	10	20	20	20	20
135	RADIO DIAGNOSIS	UGD	135-MED-30-01	DIPLOMA – MEDICAL IMAGING TECHNOLOGY	30	60	60	60	60
136	RADIO DIAGNOSIS	UGD	136-MED-30-01	DIPLOMA – RADIOGRAPHIC ASSISTANT				30	60
137	RADIO DIAGNOSIS	UGD	137-MED-30-01	DIPLOMA – DARK ROOM ASSISTANT				30	60
138	RADIO DIAGNOSIS	UG	138-MED-30-02	B.SC - RADIO IMAGING TECHNOLOGY		30	60	90	120
139	RADIO DIAGNOSIS	PG	139-MED-30-03	MD- RADIO DIAGNOSIS	3	6	6	6	6
140	RESPIRATORY MEDICINE	UGD	140-MED-31-01	DIPLOMA – RESPIRATORY THERAPY	30	60	60	60	60
141	RESPIRATORY MEDICINE	PG	141-MED-31-03	MD – RESPIRATORY MEDICINE	3	6	6	6	6
142	SURGICAL GASTRO ENTEROLOGY	PG	142-MED-32-03	M.CH. - SURGICAL GASTRO ENTEROLOGY				2	4
143	SURGICAL ONCOLOGY	PG	143-MED-34-03	M.CH. - SURGICAL ONCOLOGY				2	4
144	UROLOGY	PG	144-MED-35-03	M.CH. - UROLOGY				4	4
				Total:	523	1138	1558	2358	3074

Table 9: Proposed Programmes in the School of Science with their respective strength in the first five years

G SNO	Department	Level No	UNIQUE ID	COURSE TITLE	Year 1	Year 2	Year 3	Year 4	Year 5
			(GSN- SCHOOL- DSN- LEVEL)		2024-25 (Intake)	2025-26	2026- 27	2027- 28	2028- 29
145	CHEMISTRY	3	145-SCI-01-03	M.SC. - ORGANIC CHEMISTRY -DRUG DESIGN & SYNTHESIS	60	120	120	120	120
146	COMPUTERS	2	146-SCI-02-02	B.SC. - ANIMATION AND VFX	60	120	180	240	240
147	COMPUTERS	2	147-SCI-03-02	B.SC. - ARTIFICIAL INTELLIGENCE	60	120	180	240	240
148	COMPUTERS	3	148-SCI-04-03	M.SC. - COMPUTER SCIENCE - ARTIFICIAL INTELLIGENCE	60	120	120	120	120
149	COMPUTERS	3	149-SCI-05-03	M.SC. - COMPUTER SCIENCE - DATA SCIENCE	60	120	120	120	120
150	COMPUTERS	3	150-SCI-06-03	M.SC. - APPLIED MATHEMATICAL COMPUTING	60	120	120	120	120
151	ELECTRONICS	1	151-SCI-07-01	DIPLOMA - SERVICING AND MAINTENANCE OF ELECTRICAL VEHICLES	40	80	80	80	80
152	ELECTRONICS	1	152-SCI-08-01	DIPLOMA - ADVANCED WI-FI AND NETWORKING	40	80	80	80	80
153	ELECTRONICS	2	153-SCI-09-02	B.SC. – EMBEDDED SYSTEMS AND IOT	60	120	180	240	240
154	HEALTHCARE SCIENCE	2	154-SCI-12-02	B.SC. - FORENSIC SCIENCE	60	120	180	240	240
155	HEALTHCARE SCIENCE	2	155-SCI-13-02	B.SC. - DIAGNOSTIC RADIOGRAPHY	60	120	180	240	240
156	HEALTHCARE SCIENCE	2	156-SCI-14-02	B.SC. - HEALTH CARE SCIENCE (CARDIAC PHYSIOLOGY)	60	120	180	240	240
157	MATHEMATICS	2	157-SCI-10-02	B.SC. - APPLIED MATHEMATICAL COMPUTING	60	120	180	240	240
158	MATHEMATICS	3	158-SCI-10-03	M.SC. - MATHEMATICS AND SYSTEMS MODELLING	60	120	120	120	120
159	MCA	3	159-SCI-11-03	MASTER OF COMPUTER APPLICATIONS	180	360	360	360	360
160	NUTRITION AND DIETICS	2	160-SCI-15-02	B.SC. - NUTRITION AND DIETICS	60	120	180	240	240
161	PHYSICS	3	161-SCI-16-03	M.SC. - MEDICAL PHYSICS	60	120	120	120	120
162	STATISTICS	2	162-SCI-17-02	B.SC. - STATISTICS - ECONOMETRICS AND MATHEMATICAL ECONOMICS	60	120	180	240	240

163	STATISTICS	3	163-SCI-17-03	M.SC. - STATISTICS - ECONOMETRICS AND MATHEMATICAL ECONOMICS	60	120	120	120	120
164	STATISTICS	2	164-SCI-18-02	B.SC. – STATISTICS AND SOFT COMPUTING	60	120	180	240	240
					1280	2560	3160	3760	3760
				Ph.D. Students	90	180	270	270	270
				Total	1370	2740	3430	4030	4030
Grand Total (of all Schools)					7137	13708	18428	23568	24852

5. FACULTY RECRUITMENT PLAN

5.1 Recruitment process for selection of Faculty

5.1.1 Recruitment plan

The Programme-wise (UG/PG) and cadre-wise vacancies are arrived at six months in advance based on the norms of UGC, NMC, and other statutory bodies. The vacancies will be arrived from time to time as per the approval of the executive council.

Outreach Plan

The University makes the best efforts to recruit the best talent through reaching out to premiere institutions, alumni network, industry partners, exchange programme channels besides the publicizing in digital / print media, social media handles of university.

5.1.2 Appointment by Invitation

In order to attract best talent, the personnel having excellent academic / industrial expertise available all over the globe are identified through a Search-cum-Selection Committee and appointed by invitation as Emeritus Professor / Professor of Practice / Adjunct faculty / Visiting faculty.

5.1.3 Screening/Selection Committee Constitution

A screening committee will be constituted with experts drawn from various disciplines who look into the eligibility criteria/short listing process going by norms prescribed by the statutory bodies.

- (i) The Chairperson of the Governing Body or his/her nominee, from among the members of the Governing body to be the Chairperson of the Selection Committee.
- (ii) The Principal of the College / Dean of the School.
- (iii) The Head of the Department of the concerned subject from the college.
- (iv) Two College representatives nominated by the Vice Chancellor, one of whom will be the Dean of College Development Council or equivalent position, and the other must be expert in the concerned subject.
- (v) Two subject-experts not connected with the college to be nominated by the Chairperson of the governing body of the college out of a panel of five names recommended by the Vice Chancellor from the list of subject experts approved by the relevant statutory body of the College concerned.
- (vi) An academicians representing SC/ST/OBC/ Minority/Women/Differently-abled categories, if any of candidates representing these categories is the applicant, to be nominated by the Vice Chancellor, if any of the above members of the selection committee do not belong to that category.
- (vii) The quorum for the meeting should be five of which at least two from out of the three subject-experts.

5.1.4 Process of Selection

- (i) The overall selection process will be transparent and objective duly adopting credible methodology of analysis of the merits and credentials of the applicants based on weightages given and based on the Academic Performance Indicators (API).
- (ii) The process of selection of Professor / Associate Professor shall involve inviting the bio-data with the duly filled Performance Based Appraisal System (PBAS) proforma (developed based on the API criteria provided in UGC Regulation 2010) along with the supporting evidences such as publications, research projects etc. The API score claimed by the candidates shall be verified by the subject experts while finalizing the outcome of selection by the selection committee.
- (iii) The ability for teaching and/or research aptitude shall be assessed through a seminar or lecture in a class room situation or discussion on the capacity to use latest technology in teaching and research at the interview stage.
- (iv) The University shall implement the reservation policy as per the guidelines of statutory bodies.

5.1.5 Sequence of Activities for Recruitment of Faculty:

- (i) **Identification of vacancies:** Assessment of number of existing vacant teaching posts and those likely to fall vacant during next six months in various departments/schools and notifying on the University website and MHRD online portal (within 15 days from the date of initiation of recruitment process)
- (ii) **Permission for filling up vacancies:** Obtaining the permission from the Competent Authority for filling up of vacancies. If no communication within 30 days from the date of sending the proposal, it would be considered as deemed to be approved (within next 30 days)
- (iii) **Release of advertisement for vacancies:** Advertisement of vacant posts in the National Dailies, Employment News, social media and University website with one month's notice period for receiving applications (within next 15 days)
- (iv) **Constitution of Selection Committee:** Constitution of Selection Committee as per the provisions made under the Acts and Statutes of the University, simultaneously with (ii) and (iii)
- (v) **Fixing of Dates of the Selection Committee Meetings:** Fixing of dates of the Selection Committee and confirmation from Members for attending the Selection process (within next 15 days)
- (vi) **Scrutiny of Applications:** Scrutiny of applications and issue of interview call letters to shortlisted candidates and uploading on University website (within next 30 days)
- (vii) **Conduct of Interviews:** Conduct of interview and selection of candidates by the Selection Committee (within next 30 days)
- (viii) **Approval of the Competent Authority:** Approval of Competent authority and issue of appointment letter and uploading on the University website and online portal (within next 30 days).

5.2 Recruitment of Staff

A Selection Committee is constituted to recruit faculty for different disciplines, by way of multiple means of inviting applications and to select on merit basis.

Faculty requirement of each discipline for five years is given below:

S NO	SCHOOL	2024-25	2025-26	2026-27	2027-28	2028- 29
1	ARTS AND HUMANITIES	15	31	41	51	51
2	COMMERCE AND MANAGEMENT	51	102	120	138	138
3	CHEMICAL, MECHANICAL AND CIVIL	30	60	87	111	111
4	COMPUTERS AND MEDICAL TECHNOLOGY	9	18	25	31	31
5	COMPUTER SCIENCE AND ENGINEERING	77	153	229	298	298
6	ELECTRICAL AND ELECTRONICS ENGINEERING	35	71	104	134	134
7	MEDICINE	182	187	212	217	222
8	SCIENCE	50	100	120	140	140
	TOTAL	450	722	938	1120	1125

6. ADMISSION PLAN

The University aspires to attract students from a national cross-sectional society and from all over the globe.

6.1 Admission Policy

The admission policy is in compliance with all appropriate statutory/regulatory bodies.

- The admissions are done in a transparent manner and only on merit basis.
- Industry sponsored candidates are admitted as per the guidelines of statutory bodies/industry defined norms.
- Admission of NRI and Foreign candidates is based on marks/grades obtained in the qualifying examination as per the eligibility norms and availability of seats.
- The fees for Indian and Foreign students will be as fixed by the fee regulation committee which is to be approved by the Executive Council.
- The admission policy is reviewed from time to time.

6.2 Scholarships and Awards

The University motivates meritorious students by offering scholarships as followed:

- Admissions will be given a fillip by instituting a good number of scholarships on merit cum means basis across the nation and globe.
- The differently abled people are assisted extensively through financial assistance and Accessibility Technology.
- Provision will be made to attract the students who excel in sports/games/arts/culture.
- Research Fellowships are introduced to attract Full-time Ph.D. scholars.

6.3 Admission Procedure

- For the Academic Year 2024-25, admissions in to all the UG, PG, and Ph.D. Programmes will be made based on the entrance examinations to be held Nation-wide and / or State-wide in line with the guidelines of the statutory bodies. In case there is no entrance examination, admissions will be made as per the merit list based on marks / grades in the qualifying examination.
- From the Academic Year 2025-26 onwards, admissions in to all the UG, PG, and Ph.D. Programmes will be made based on the entrance examination(s) to be held by the University all over India and also in abroad during April to May every year following the guidelines of the statutory bodies. If in case the University is not able to conduct entrance examination due to some unavoidable situations such as Pandemic etc., admissions will be made as per the merit list based on marks / grades in the qualifying examination.
- To attract talent for admissions, a team of members in Admission committee (i) actively participate in various education Fairs with in the country and abroad; (ii) conduct several awareness sessions on programmes being offered and opportunities in various prominent places.
- The eligibility of candidates, regarding qualifying examination, age, etc. shall be as per the

guidelines of statutory bodies. The eligible candidates can submit their application online through website / offline in campus.

- The details of entrance examination **GAT** such as duration, time, subjects / syllabus, pattern will be provided in website. The result will be published online through the University website.
- The candidates will be short-listed based on their rank in entrance examination, and / or based on the marks or its equivalent in the qualifying examination, will be called for the counseling.
- The allocation of seat in a programme depends upon the candidate's eligibility, merit rank, preference, and the availability of seats by following the norms laid down by the Statutory bodies like UGC, NMC, etc.
- The University shall implement the reservation policy as per the guidelines of statutory bodies.
- The leftover seats are filled as per the merit list based on the marks/grades in the qualifying examination.

A. Admission into UG Programmes:

- Admissions will be as per the merit list based on (i) the rank in entrance examination conducted Nation-wide and / or State-wide, (ii) the rank in entrance examination conducted by the University, (iii) merit list prepared as per the marks or grades in the qualifying examination.

MBBS Admissions

- No. of seats available including NRI category and the fees to be paid will be displayed in GVPU website.
- Seats are allotted through NEET-UG Counselling, conducted online by the Medical Counselling Committee (MCC), DGHS, New Delhi for admission into MBBS Course offered by Deemed Universities.
- All the Candidates participating in counselling are hereby advised to read carefully the Information Bulletin, Counselling procedure, Institute information and Seat matrix posted on the official website of MCC i.e., **mcc.nic.in** and get registered for seeking admission to MBBS Course in GVPU, Visakhapatnam.

B. Admission into PG Programmes:

- Admissions will be as per the merit list based on (i) the rank in entrance examination conducted Nation-wide and / or State-wide, (ii) the rank in entrance examination conducted by the University, (iii) merit list prepared as per the marks or grades in the qualifying examination.

MD/MS Admissions

- No. of seats available including NRI category and the fees to be paid will be displayed in GVPU website.
- Seats are allotted through NEET-PG Counselling, conducted online by the Medical Counselling Committee (MCC), DGHS, New Delhi for admission to PG Medical (MD/MS) courses offered by Deemed Universities.
- All the Candidates participating in counselling are hereby advised to read carefully the Information Bulletin, Counseling procedure, Institute information and Seat matrix posted on the

official website of MCC i.e., **mcc.nic.in** and get registered for seeking admission to MD / MS courses in GVPU, Visakhapatnam.

C. Admission into Ph.D. Programmes:

- Admissions will be as per the merit list based on (i) the rank in entrance examination conducted Nation-wide and / or State-wide, (ii) the rank in entrance examination conducted by the University, (iii) merit list prepared as per the marks or grades in the qualifying examination.
- The candidates who qualify in UGC NET/ SLET / GATE will also be considered for admission.

7. RESEARCH PLAN

Overview

National Education Policy (NEP-2020) envisages addressing the challenges of socio-cultural and environmental dimensions of the nation will require high-quality, interdisciplinary research across various fields. The policy further states that research in the arts and humanities and innovations in the sciences and social sciences are extremely important for nation's progress.

Keeping the NEP in view and the contemporary challenges such as healthcare, energy, environment, Socio-economic related challenges, and self-sustainability (Atma Nirbhar), the GVPIHLR has prepared the Research plan. There exists in GVP, a strong and inseparable connection between the activities of teaching and research with the fundamental elements being the process of acquiring knowledge and skills.

7.1 Focus & Priorities

The Gayatri Vidya Parishad Institute of Higher Learning proposes to focus on

1. Research Capacity Building
2. Create dynamic environment
3. Develop differentiated areas of strength

The research priorities are

1. Digital Health Care
2. Renewable Energy
3. Electric Vehicles
4. Natural & Quantum Computing
5. Advanced Sensor Technology
6. Environment & Sustainable Development
7. Medical Technology
8. Industrial Robotics & Automation
9. Epidemiological Research
10. Materials & structures

7.2 Strategy framework for Interaction and collaboration with Centres for Research and Innovation

GVPIHLR, has set forth a strategic plan to enhance the scope and perspective of the Research/Innovation Centers. The primary objective is to foster a dynamic environment that facilitates seamless engagement among faculty, students, and scholars. This collaborative approach is aimed at promoting academic excellence and equipping individuals with the necessary skills to tackle real-world challenges. To achieve this, GVPIHLR seeks to establish strong partnerships with industry, and research institutions.

Institutional Approach	Envisioned Plan	Expected outcomes in Research & Innovation
<ul style="list-style-type: none"> • Extend multidisciplinary, experimental learning. 	Introduce programmes / research centers cutting across disciplines.	Disruptive research/ innovation.
<ul style="list-style-type: none"> • Strengthen learners research aptitude. 		Promotion of systemic competencies.
<ul style="list-style-type: none"> • Improve innovative teaching practices. 	Identify advanced learners and mentor them towards research. Provide research internship/fellowships/assistantship	Enhancing research competence.
<ul style="list-style-type: none"> • Integrating entrepreneurship in research curriculum. 		Lab-to-Land orientation
<ul style="list-style-type: none"> • Promotion of Scientific, Professional, Managerial and entrepreneurial mind-set with digital skills. 	Resources for investing in support for schools of learning.	Extend the skill base for the country.
<ul style="list-style-type: none"> • Encourage continuing professional development. 	External & internal funding schemes.	Re-skilling and Up skilling
<ul style="list-style-type: none"> • Introduction of Industry Defined Problems (IDP) as part of research 	Industry Institute partnership	Co-creation
<ul style="list-style-type: none"> • Technology transfer / commercialization 	Strengthen innovation and incubation.	Startups/revenue impact/societal impact.

Focus on Unique Research topics to meet the 21st Century Requirements

- [1] Centre for Skills in Advanced Technologies
- [2] Centre for Integrated Studies on Ayurvedic and Allopathic Medical Systems
- [3] Centre for Health Data Science and Artificial Intelligence
- [4] Centre for Energy, Environmental and Sustainability Studies
- [5] Centre for Management Studies
- [6] Centre for Ancient Culture and Civilization
- [7] Centre for Vedic research including Vedic Mathematics
- [8] Centre for Condition Monitoring and Sensing
- [9] Centre for Robotics and Automation
- [10] Centre for Information Security research
- [11] Centre for Additive Manufacturing and Reverse Engineering
- [12] Centre for Computational and Data Sciences
- [13] Centre for Medical Engineering and Physics
- [14] Centre for Regenerative Medicine
- [15] Centre for Research in Underwater Technology

1. **Centre for Skills in Advanced Technologies:** This Centre is dedicated to equipping individuals with the cutting-edge skills required for the ever-evolving landscape of advanced technologies. By bridging the gap between theory and practice, the centre empowers students to excel in fields like artificial intelligence, robotics, data analytics, and beyond.
2. **Centre for integrated studies on Ayurvedic and Allopathic Medical Systems:** This pioneering centre serves as a nexus for exploring the intricate interplay between traditional Indian medicinal systems and contemporary allopathic practices. By fostering dialogue and research, it seeks to uncover synergies, bridging ancient wisdom with modern medical breakthroughs.
3. **Centre for Health Data Science and Artificial Intelligence:** At this intersection of biology and technology, the centre harnesses the power of bioinformatics and artificial intelligence to revolutionize medical diagnostics and treatment protocols. By leveraging AI-driven insights, it aims to enhance patient care through precise and personalized interventions.
4. **Centre for Energy, Environmental and Sustainability Studies:** Rooted in a commitment to sustainability and environmental stewardship, this centre explores critical issues affecting our planet. From climate change to biodiversity conservation, the centre fosters research that informs policy and drives innovative solutions for a healthier, more resilient world. This centre is also contemplated to explore pollution free and renewable energy sources.

5. **Centre for Management Studies:** The primary goal of the centre is to engage in management research in order to facilitate a range of scholarly activities in the field of management that contribute to societal transformation. The initiative serves multiple purposes, including conducting management research within the current framework, establishing an alternative to the prevailing paradigm, and ultimately striving to develop culturally invariant theories and practices of management in the future.
6. **Centre for Ancient Culture and Civilization:** The primary objective of the Centre is to provide a platform for the advancement of scholarly pursuits and academic investigations within the expansive domains of culture, philosophy, art, and, with a specific focus on Indian civilization. The findings of these studies will provide valuable insights for policy makers, researchers, diplomats, and the academic community.
7. **Centre for Vedic research including Vedic mathematics:** The primary objective of the center is to facilitate the accessibility of Vedic Sciences to humanity in their original and unadulterated state. This is achieved through the process of uncovering the scientific and therapeutic information that is deeply embedded within the Vedas. Furthermore, the research into the Vedic methodology in Mathematics facilitates universal engagement, fosters advanced proficiency, and culminates in the practical implementation within the realm of digital technology.
8. **Centre for Condition Monitoring and Sensing:** The primary area of interest for the research centre is to the use of sensor data for the purpose of monitoring the operational state of machinery, industrial facilities, and physical structures. In order to achieve this objective, there is ongoing progress in the advancement of measurement techniques. On the contrary, the examination of data streams utilising self-optimizing and adaptive algorithms is a prominent area of scholarly inquiry. This enables the real-time monitoring of technological systems, encompassing both their current operational status and their structural soundness.
9. **Centre for Robotics and Automation:** The primary objective of the Centre for Automation and Robotics is to facilitate and advance educational and research endeavours within the domains of robotics, automation, and computer vision. The Centre serves as a conduit between industries and academia, leveraging the intellectual resources of the academic community to make a meaningful influence on Indian industries.
10. **Centre for Information Security Research:** Security problems have emerged as a prominent focus inside the internal operations of both public and private organisations across various scales, as well as in the daily lives of individuals. The primary area of research for the Information Security Research Centre pertains to novel methodologies, protocols, and frameworks aimed at detecting and mitigating cyber security vulnerabilities.

- 11. Centre for Additive Manufacturing and Reverse Engineering:** 3D printing, often known as additive manufacturing, is a nascent technological advancement that enables the rapid production of goods, surpassing the efficiency of traditional manufacturing methods. The primary objective of this Centre is to provide foundational information on the additive manufacturing process to engineering students, as well as to practicing engineers from the industry and research establishments.
- 12. Centre for Computational and Data Sciences:** Computational science encompasses the advancement of methodologies and algorithms with the aim of resolving and comprehending intricate occurrences and challenges. The field of data science encompasses the creation and refinement of methodologies, algorithms, and systems with the purpose of organizing, refining, and extracting knowledge from data. The center integrates the fields of computational science and data science and conducts research in these areas.
- 13. Centre for Medical Engineering and Physics:** The centre is planned to lead the development of inter-disciplinary research in the area of medical technology. It will draw on principles of physics math and engineering to understand and characterize physiological systems in health and disease. The focus of the centre encompasses the application of the basic principles of **physics** and **engineering** to the development of **medical devices** and **technology**, with the ultimate aim of producing improvements in the quality of health care.
- 14. Centre for Regenerative Medicine:** Regenerative medicine is anticipated to play a crucial role in the future of medical and surgical practice. Through the utilization of regenerative medicine, the centre is strategically positioned to generate novel paradigms in healthcare that have the capacity to revolutionize the fields of medicine and surgery. One distinguishing characteristic of the Centre for Regenerative Medicine is its incorporation of both laboratory-based and clinic-based activities.
- 15. Centre for research in Underwater Technology:** The centre is planned to undertake studies and create technologies in the domain of underwater research, with the aim of contributing to defense, security, and environmental advancements. The research predominantly provides evidence for the preservation and advancement of operations conducted in shallow coastal waters and open sea environments. The centre aims to develop expertise in acoustics, electromagnetics, maritime measurement systems, and signal processing and system design through the integration of various analytical research methodologies with experimental research.

7.3 Research Funding and Internships

The Gayatri Vidya Parishad Institute of Higher Learning and Research allocates seed fund facilitating innovation, enhancing research quality, and motivating faculty members to undertake novel research initiatives.

The institution provisions a minimum of Rupees 3 crores for research funding which can be utilize for seed funding and research internships. The research policy envisages clear guidelines with a frame work for allocation of funds. The proposed institute takes care of research internships at all level including the UG level as it is expected to play a key role in catalyzing inter-disciplinary/multi-disciplinary/trans-disciplinary and translational culture. The research ability enhancement courses in research, analytical tools and techniques will be offered to the four year UG (Hons)/Research students.

7.4 Rolling implementation plan

The strategic plan aims to establish specific goals pertaining to the production and dissemination of scholarly work across multiple research disciplines with a specific objective of high quality publications, patent grants, research funding and commercialization. The five years research implementation is pictorially presented here under.



Fig. 1. Plan of research publications



Fig. 2. Plan of books/book chapters publications



Fig.3. Plan of conducting Workshops/FDPs/Conferences

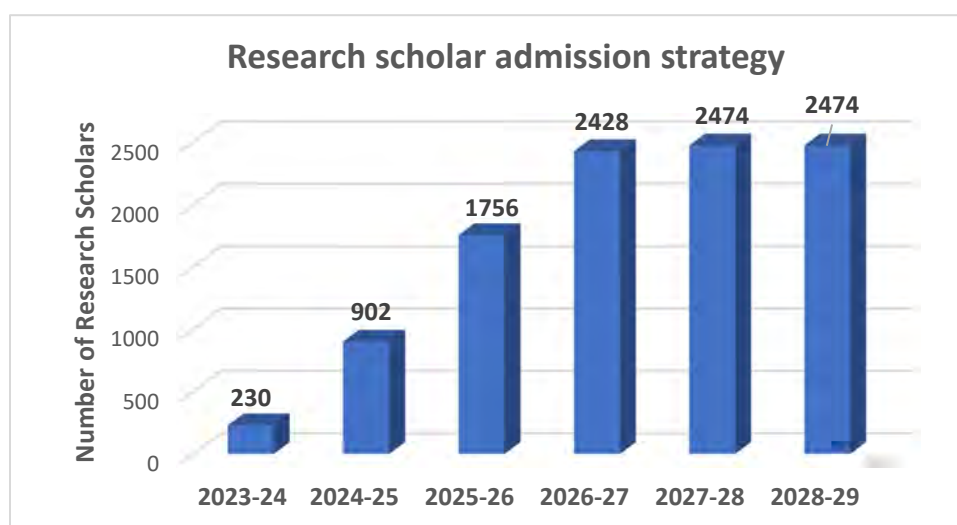


Fig. 4. Plan of admission of research scholars

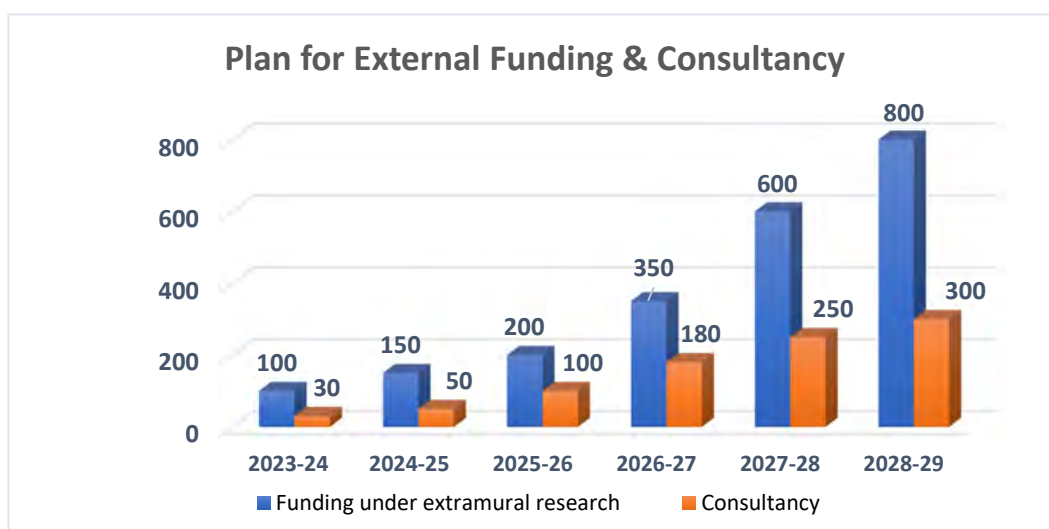


Fig. 5. Plan for External Funding of Extramural Research & Consultancy

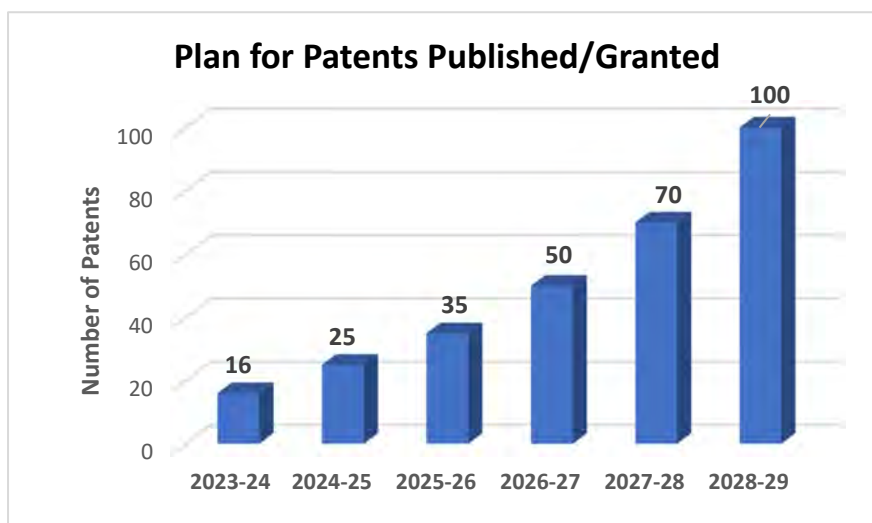


Fig. 6. Plan for patent publications/grants

The institute's highest emphasis will be selecting expert panels for mentoring and supervising state-of-the-art laboratories and centers of excellence. In the upcoming five years, efforts will also be made to establish a Research Park on campus with the help of funding organizations in collaboration with industry.

The 5-year rolling Implementation Research Plan in Brief

2024-25	2025-26	2026-27	2027-28	2028-29
Enhance Research Infrastructure Faculty Engagement and Seed Funding Research Internships Establish Research Policy and Advisory Board Enhance Innovation & Incubation Centre	Establish Research Clusters and focus on patents Strategy/Promotion for External Policy Faculty Development Programmes for research and innovation Showcase and attract Potential Collaborators Increase Research Centres	Focus on dissemination in High Impact Publications and patenting. Prioritize Research Outreach Focus on International Collaborations Increase Research Centres	Focus on Patents and Innovations Prioritize Technology Transfer Research Impact Assessment	Elevate Research Centres to Centers of Excellence Establish Endowment fund for long-term research support and sustainability. Evaluation and Future Plan

Establish Research Centres				
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8. CAMPUS INFORMATION AND COMMUNICATION TECHNOLOGY PLAN

A Roadmap to Total Automation, Data Centre Excellence, and Academic Innovation

8.1 Introduction

GVPIHLR intends to create a technologically advanced environment that integrates all affiliated institutions, streamlines operations, and enhances the overall efficiency of the University.

8.2 Five Year Rolling Plan

The key driving forces in making the following digital infrastructure rolling plan is as follows

- ✓ Improve efficiency and effectiveness
- ✓ Enhance student learning outcomes
- ✓ Create a more personalized and engaging learning experience
- ✓ Streamline administrative workflows
- ✓ Improve communication and collaboration
- ✓ Ensure data security and privacy
- ✓ Prepare for the future of education

Year	Key Activities	Digital Infrastructure and Technologies
2024-25	<ul style="list-style-type: none">- Conduct a comprehensive needs assessment of the university's administrative and academic processes (cater to needs of approximately 10000 users)- Analyze existing infrastructure, software, and hardware systems.- Identify areas for automation and digitization- Define key performance indicators (KPIs) for digitization- Establish basic datacenter with lights-on mode for minimum automation- Establish Secure high-speed internet connectivity for all campuses.- Digital smart rooms setup covering High-speed, reliable internet/wireless facility, Interactive display systems, Smart furniture, if possible Multimodal interfaces like sensors, cameras, microphones, and voice recognition systems for natural interaction with the room	<ul style="list-style-type: none">- Survey and data management software: e.g. Qualtrics, SurveyMonkey- Data analysis software: e.g. Tableau, Power BI- High-performance computers: Dell Precision 7920 workstations (10)- High-capacity storage: Dell PowerVault ME4024 SAN (100TB)- Secure network infrastructure- High-bandwidth internet connection: 10Gbps fiber optic connection- Network monitoring tools- Workflow automation software e.g. UiPath, Automation Anywhere (100 users)- Document management systems: Google Drive for Business (10,000 users)- Uninterruptible power supplies (UPSs)- Backup and disaster recovery solutions- Intrusion detection and prevention systems (IDS/IPS)

	<ul style="list-style-type: none"> - Secure access control to the rooms and protection against unauthorized access. 	
2025-26	<ul style="list-style-type: none"> - Ramp up digital infrastructure for 20000+ users - Conduct Network Security Audit, including firewalls, routers, switches, and wireless access points. - Design and establish a modern data center with high-performance servers, storage systems, and disaster recovery protocols. - Implement cloud storage solutions for scalability and data accessibility. - Develop a comprehensive Student Information System (SIS) with integrated modules for admissions, registration, academic records, and financial aid - Implement a Human Resource Management System (HRMS) with automated payroll processing, benefits administration, and talent management tools. - Collect and Design Requirements for Financial Management System (FMS), Library Management System (LMS), Research Management System (RMS), Campus Communication System, Customer Relationship Management (CRM) System, Asset Management System, Health Center Management System, Facilities Management System, Event Management Software, Exam Automation System - Security awareness and training programs 	<ul style="list-style-type: none"> - Identify Vulnerability scanners, Penetration testing tools - Augmentation of High-performance servers, Storage systems, etc - Cloud Storage e.g. Amazon S3, Microsoft Azure Blob Storage, Google Cloud Storage - Identify right custom software solutions like Oracle PeopleSoft Campus Solutions - Database servers: e.g. Oracle Exadata, Microsoft SQL Server, PostgreSQL - HRMS like Oracle Cloud HCM - Identify FMS like Oracle Cloud Financials, SAP S/4HANA Finance, Microsoft Dynamics 365 Finance - Campus Communication System like Microsoft Teams, Cisco Webex, Slack - CRM like Salesforce Sales Cloud - Asset Management like SAP Asset Manager - Facilities Management Software like ServiceNow Facilities Management - Identify Artificial intelligence (AI) tools and technologies to cater to Machine learning, natural language processing (NLP), computer vision - Identity and access management (IAM) solutions - -

2026-27	<ul style="list-style-type: none"> - Ramp up digital infrastructure for 30000+ users - Conduct Application Security Audit, assesses the security of the university's web applications, mobile applications, and other software applications. - Develop a Learning Management System (LMS) with AI-powered features for personalized learning, adaptive assessments, and online course delivery. - Completely Implement additional software applications, including: FMS, LMS, RMS, Campus Communication System, CRM, Asset Management System, Health Center Management System, Facilities Management System, Event Management Software, Exam Automation System - Identify the IoT needs for facilities management 	<ul style="list-style-type: none"> - Application security testing (DAST) tools - Through load, application security testing of the implemented tools - Scalable storage systems - Virtualization (e.g. VMware vSphere, Microsoft Hyper-V) - Internet of Things (IoT): Sensors, actuators, gateways - Rampup Secure high-speed internet connection: 20Gbps or higher fiber optic connection - Modern data center with high-performance servers, storage systems, and disaster recovery protocols -
2027-28	<ul style="list-style-type: none"> - Ramp up digital infrastructure as per the usage and need basis (assuming technology would change drastically) - Ongoing Data Security Audit, covering student records, financial information, and research data. identify any vulnerabilities that could allow attackers to access, modify, or delete sensitive data. - Introduction of immersive virtual learning experiences - Security awareness and training programs 	<ul style="list-style-type: none"> - LMS like Canvas, Moodle, Blackboard Learn with AI features including: <ul style="list-style-type: none"> ✓ Natural Language Processing (NLP) for personalized learning pathways and adaptive assessments ✓ Machine learning for automated grading and feedback ✓ Virtual reality (VR) and augmented reality (AR) for immersive learning experiences ✓ Learning analytics for data-driven decision making
2028-29	<ul style="list-style-type: none"> - Consolidation of systems, Phaseout the obsolete software/Upgrade as per the demand and market needs - Assess the needs for Partial/Total Digital University requirements - Identify the needs for GVPIHLR Blockchain - Complete Accessibility Technology - Consider Usability, Sustainability requirements and upgrade - Facilitating total data-driven decision making 	<ul style="list-style-type: none"> - Consolidation of Digital Infrastructure - Blockchain e.g. Hyperledger Fabric, Ethereum, R3 Corda

Apart from this, ensure there is Continuous Improvement. There is a need for necessary allocation of resources for ongoing maintenance of the data center and software applications and plan for periodic upgrades to keep up with evolving technologies.

The entire plan is optimized based on the following Cost Considerations parameters on time-to-time basis

- ✓ Software licenses
- ✓ Hardware maintenance and support
- ✓ Cloud storage fees
- ✓ Data center operational costs
- ✓ Network bandwidth costs
- ✓ Cybersecurity solutions and services

9. INFRASTRUCTURE DEVELOPMENT PLAN

The five-year rollout implementation plan involves utilizing the existing infrastructure available with GVP Group of Institutions. The provision for necessary infrastructure to meet the regulatory criteria of the University Grants Commission (UGC) will be facilitated to support the implementation of five-year academic expansion outlined earlier.

9.1 Extent of Land

Gayatri Vidya Parishad Society runs various educational Institutions located at different locations in the city of Visakhapatnam. The details and extent of Land at each location is given below.

<u><i>Institution Name</i></u>	<u><i>Location</i></u>	<u><i>Extent of Area</i></u>
GVP Main Campus	Madhurawada	20.02 Acres
GVP North Campus	Madhurawada	8.25 Acres
GVP South East Campus	Rushikonda	8.70 Acres
GVP North East Campus	Marikavalasa	22.60 Acres

9.2 Total Built-up Area available at various locations

<u><i>Institution Name</i></u>	<i>Extent of Built-up Area in square feet</i>
GVP Main Campus, Madhurawada	3,68,130
GVP North Campus, Madhurawada	1,13,800
GVP South East Campus, Rushikonda	1,80,000
GVP North East Campus, Marikavalasa	7,90,515

9.3 Area to be built year wise (in Sq. Ft)

Area to be built in - Sq. Ft	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029
Instructional	55,818	1,07,305	1,20,372	1,29,424	97,948
Residential	-----	1,59,500	2,04,000	3,54,000	3,81,000
Facilities	44,000	31,000	37,000	80,000	1,25,000
Administrative	47,000	15,000	7,000	2,500	16,000
Miscellaneous	-----	5,000	2,000	2,000	3,000
Area to be built each year	1,46,818	3,17,805	3,70,372	5,67,924	6,22,948

10. FINANCE PLAN

Our financial strategy is grounded in responsible stewardship of resources. We seek to optimize resource allocation, secure strategic partnerships, and generate revenue through collaborations, consultancy, and research endeavours.

REVENUE EXPENDITURE (Rupees in crores)	2023-24 Base Year	2024-25	2025-26	2026-27	2027-28	2028-29	Total
<u>Staff Expenses</u>							
Salaries - Teaching	80	134	161	222	259	291	1,067
Salaries - Administration	10	40	48	67	78	87	320
Staff Welfare	5	6	6.5	7	8	9	37
Trainings	0.4	1	1.25	1.5	1.75	2	8
<u>Students Expenses</u>							
Welfare	0.5	1	2	2.5	3	3	12
Cultural and other Activities	0.5	1	1.5	2	2.5	3	10
Trainings & Development	2	6	9	12	15	15	57
Scholarships	0.05	6	9	12	15	18	60
Research and Development	0.3	3	5	8	12	15	43
Administration							
Electricity	1.5	9	10	12	14	16	61
Rates & Taxes	1	1	2	2	2	3	10
Office Maintenance	1	1	2	2	3	3	11
Printing & Stationery	0.3	1	1	1	1	1	5
Telephone & Network Maintenance	1	1	2	3	3	3	12
Repairs & Maintenance							
Vehicles	0.5	1	1	1	1	1	5
Buildings	1	2	2	2	2	2	10
Equipment	1.5	5	6	7	9	10	37
Lab Maintenance.	2.5	3	3	3	4	4	17
Hospital Maintenance. (Incl. Pharma)	6	8	12	14	17	21	72
Promotional Expenses	0.2	2	2	2	3	3	12
Interest on Loans	10	15	18	21	25	31	110
Transport Expenses	9	16	19	22	24	26	107
Other Expenditure	3	1	3	5	7	9	25
Total	137	264	327	431	509	576	2,106
Capital Expenditure	14	26	41	62	75	90	294
Total Expenditure	151	290	368	493	584	666	2,400

INCOME & FUND Sources (rupees in crores)	2023-24 Base Year	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Tuition Fee	128	243	276	292	339	384	1,534
Other Fees	12	19	57	67	79	94	316
Transport Income	2.5	17	20	23	26	28	114
Research Grants Received	0.15	2	3	5	7	9	26
Consultancy and Other Income	0.5	5	5	10	12	15	47
Interest from Deposits	2.5	3	3	3	3	3	15
Scholarship Grants	0.3	1	3	3	3	3	13
Hospital Income	6	10	15	20	25	30	100
Any Other Income	1	4	5	5	5	5	24
Society Contribution	15	15	24	36	52	84	211
Total	167.95	319	411	464	551	655	2,400

Note: The Total Amount does not include 23-24 Estimates

GVPIHLR Five Year Financial Plan (amount Rupees in crores)								
CAPITAL EXPENDITURE		2023-24 Base Year	2024-25	2025-26	2026-27	2027-28	2028-29	Total
Construction of New Buildings (Class Rooms, Auditorium, Labs and Residential Facilities etc as mentioned in Infrastructure Plan)	Area in Sq.ft	6,083	1,46,818	3,17,805	3,70,372	5,67,924	5,10,448	19,13,367
	Cost	0.85	21	44	52	80	71	268
Fire Safety Equipment		0	4	8	9	14	13	48
Establishment of New Centres of Excellence Facilities		0.3	3	4	3	2	2	14
Sports Equipment		0.1	1	3	2	1	1	8
Smart Class Rooms Facilities		0	3	5	7	9	6	30
Existing Labs Equipment's and Labs for New Courses		6	15	10	9	7	6	47
Digital Infrastructure and Investment in ICT		0	2	3	3	4	4	16
Major Repairs and Face Lifting of Buildings		4	2	4	6	3	3	18
New Furniture and Furniture Enhancement		2	5	5	5	5	5	25
Library Resources and Equipment		1	3	3	4	4	5	19
Purchase of Vehicles		0.1	1	2	2	1	1	7
Total		14.35	59	90	101	128	116	494

11. ADMINISTRATIVE PLAN

This administrative plan outlines the organizational structure, roles and responsibilities for the effective administration of a Deemed to be University. The Deemed universities in India have been adhering to the University Grants Commission (UGC) regulations while managing academic programs, student affairs, finances, and various administrative functions. In the light of this, a clear delineation of roles and responsibilities is crucial for the success of the institution.

11.1 Administrative Setup

Administrative excellence is pivotal for the smooth operation of a Deemed to be University. This plan defines the key roles and responsibilities of administrative personnel to ensure compliance with regulatory requirements and the delivery of a quality education.

OFFICERS OF THE INSTITUTION DEEMED TO BE UNIVERSITY

The following shall be the officers of the institution Deemed to be University:

- a) Chancellor
- b) Vice-Chancellor
- c) Pro Vice-Chancellor / Rector
- d) Registrar
- e) Finance Officer
- f) Controller of Examinations
- g) Dean of Faculties
- h) Head of Department
- i) Such other officers as may be prescribed in the Rules of the institution Deemed to be University

A. CHANCELLOR

- i) The Institution Deemed to be University shall have a Chancellor who shall, when present, preside over the convocations of the Institution Deemed to be University but shall not be the Chief Executive Officer. He/She shall be appointed by the Institution Deemed to be University Society or Trust and shall hold office for a period of 5 years.
- ii) Where power is conferred upon the Chancellor to nominate persons to authorities, he/she shall, to the extent necessary, nominate persons to represent the various interests for the furtherance of the objectives of the institution Deemed to be University.

B. VICE-CHANCELLOR

- (i) The Vice-Chancellor shall be a salaried officer of the Institution Deemed to be University and shall be appointed in accordance with the UGC Regulations.
- (ii) The Vice-Chancellor shall hold office for a term of 5 years and in no case shall he/she hold office beyond the age of 70 years.
Provided that notwithstanding the expiry of the period of 5 years, he/she may continue in office for not more than six months or till his/her successor is appointed and the latter assumes office, whichever, is earlier.
- (iii) In case of the office of the Vice-Chancellor becoming vacant due to death, resignation or otherwise and in case of his/her absence due to illness or any other cause, the Pro Vice-Chancellor / Rector, and in his/her absence, the senior most Professor shall perform the duties of the Vice-Chancellor until a new Vice-Chancellor is appointed, or the existing Vice-Chancellor resumes duties, as the case may be.

a. POWERS OF THE VICE-CHANCELLOR

- i) The Vice-Chancellor shall be the Principal Executive Officer of the institution Deemed to be University and shall exercise general supervision and control over the affairs of the institution Deemed to be University and shall be mainly responsible for implementation of the decisions of all the authorities of the Institution Deemed to be University.
- ii) The Vice-Chancellor shall be the Ex-officio Chairman of the Executive Council, the Academic Council, the Finance Committee, the Planning & Monitoring Board and Selection Committees.
- iii) The Vice-Chancellor shall have the power to convene or cause to be convened meeting of the various authorities of the institution Deemed to be University.
- iv) The Vice-Chancellor may, if he/she is of the opinion that immediate action is called for on any matter, he/she shall exercise any power conferred upon any authority of the institution Deemed to be University under its Regulations and Rules, and take such action or proceed to take such action and shall report to the authority concerned on the action taken by him/her on such matters.
- v) It shall be the duty of the Vice-Chancellor to ensure that Regulations and Rules of the institution Deemed to be University are duly observed and implemented; and, he/she shall have all the necessary powers in this regard.

- vi) All powers relating to the proper maintenance and discipline of the institution Deemed to be University shall be vested in the Vice- Chancellor.
- vii) The Vice-Chancellor shall have the power to re-delegate some of his powers to any of his/her subordinate officers with the concurrence and approval of the Executive Council.
- viii) The Vice-Chancellor shall exercise all other powers as may be delegated to him/her by the Executive Council.
- ix) The Vice-Chancellor shall exercise such other powers and perform such other functions as may be prescribed by the Regulations, Rules and Bye-Laws.

C. PRO VICE-CHANCELLOR

- (i) The post of the Pro Vice-Chancellor may be created with the approval of the Executive Council (EC) and with the concurrence of the Competent authority.
- (ii) The Pro Vice-Chancellor shall be appointed by the EC on the recommendation of the Vice-Chancellor.
- (iii) The Pro Vice-Chancellor shall hold office co-terminus with the office of the Vice-Chancellor and at the pleasure of Vice-Chancellor.
- (iv) The Pro Vice-chancellor shall have the powers and duties as prescribed by Rules of the Institution Deemed to be University.

D. REGISTRAR

- (i) The Registrar shall be a whole-time salaried officer of the institution Deemed to be University and shall be appointed by the Executive Council on the recommendations of the Selection Committee consisting of the following:
 - 1. Vice Chancellor - Chairperson
 - 2. One nominee of the Chancellor.
 - 3. Two members of the Executive Council
 - 4. One expert not in the service of the university to be nominated by the Executive Council.

The Registrar shall hold the office for a period not exceeding 5 years (from the date of assuming the office) or till attaining the age of 62 years whichever is earlier.

- (ii) The minimum qualifications for the direct recruitment to the post of Registrar is:

- a) A Master degree with at least First Class (60%) or its equivalent grade
- b) At least 15 years of teaching experience with Five years in the cadre Professor's grade along with experience in educational administration
- (iii) The Registrar shall be directly responsible to the Vice-Chancellor in the exercise of the powers and duties prescribed to him in the statutes.
- (iv) The Registrar, subject to the immediate direction and control of the Vice-Chancellor, shall carry out his orders and render such assistance as may be required by the Vice-Chancellor in performance of his official duties.
- (v) The Registrar shall be in overall charge of the administration of the University Office, subject to the immediate direction and control of the Vice-Chancellor, and shall have power to fix and define the functions and duties of the officers and employees, of the University, other than those working under direct supervision of the Controller of Examinations and Finance Officer, or those working in Vice-Chancellor's Secretariat, with the approval of the Vice-Chancellor. He/she shall take all steps for the efficient working of the University Office, subject to the approval of the Vice-Chancellor.
- (vi) The Registrar shall be ex-officio Secretary of the Executive Council, the Academic Council, Planning and Monitoring Board and Advisory Board but shall not be deemed to be a member of any of these authorities.
- (vii) When the office of the Registrar is vacant, or when the Registrar is, by reason of illness, absence or for any other cause, unable to perform the duties of his office, the duties of the office of the Registrar shall be performed by such person as the Vice-Chancellor may appoint for the purpose with a concurrence from Chancellor.
- (viii) Registrar shall not be eligible for nomination or election or for appointment as a member of any of the authorities of the University.

a. POWERS OF THE REGISTRAR

- a) The Registrar shall have power to take disciplinary action against such employees, excluding teachers of the University and academic staff as may be specified in the orders the Executive Council and to suspend them pending enquiry, to administer warnings to them, or to impose on them the penalty of censure or withholding increments:
Provided that no such penalty shall be imposed unless the person concerned has been given a reasonable opportunity of showing cause against the action proposed to be taken against him.
- b) An appeal shall lie to the Vice-Chancellor against any order of the Registrar imposing any of the penalties specified in clause (a).

- c) In any case where the enquiry discloses that the punishment beyond the powers of the Registrar is called for, the Registrar shall, upon conclusion of the enquiry, make a report to the Vice-Chancellor along with his recommendations and the Vice - Chancellor shall pass such order as he deems fit:
Provided that an appeal shall lie to the Executive Council against an order of the Vice Chancellor imposing any penalty.
No appeal under clause (b) or clause (c) shall be preferred after the expiry of sixty days from the date on which the order appealed against was received by the appellant.

b. DUTIES OF THE REGISTRAR:

- a) The following shall be the duties of the Registrar:
1. To be custodian of the records, the common seal and such other property of the University as the Executive Council shall commit to his charge.
 2. To conduct the official correspondence on behalf of the authorities of the University.
 3. To issue notices convening meetings of the authorities of the University and all committees and sub-committees appointed by any of these authorities of the University.
 4. To keep minutes of all the proceedings of the meeting of all the authorities of the University and of all the committees and sub-committees appointed by any of these authorities of the University.
 5. To hold in special custody books and documents of the University.
 6. To supply to the Chancellor, copies of the agenda of the meeting of the authorities of the University as soon as they are issued and the minutes of the proceedings of such meetings.
 7. In all suits and other legal proceedings by or against the University, the pleading shall be signed and verified by the Registrar and all processes in such suits and proceedings shall be issued to. and served on the Registrar.
 8. To enter into the agreement, sign documents and authenticate records on behalf of the University under the direction of the Executive Council or Vice-Chancellor as the case may be.
 9. To safeguard and maintain the buildings, gardens, office, canteen, cars and other vehicles, laboratories, libraries, reading rooms, equipment and other properties of the University.
 10. To exercise such other powers and perform such duties as may be specified in the statutes, ordinances or the regulations or may be specified by the Executive Council or the Vice-Chancellor, from time to time.

- b) The Registrar may, by writing, inform the Vice-Chancellor his intention to resign and it shall be competent for the Executive Council, on the recommendation of the Vice-Chancellor, to accept his resignation.
- c) The Executive Council shall have power to dispense with the services of the Registrar at any time or it may at any time discharge him from his services without notice in the event of misconduct on his part or of a breach by him of any of the conditions on which he was engaged.

E. FINANCE OFFICER:

- (i) The Finance Officer shall be a whole-time salaried officer of the institution Deemed to be University and shall be appointed by the Executive Council.
- (ii) The Finance Officer shall be preferably a Chartered Accountant with at least 5 years' experience in an educational institution.
- (iii) He/she would be an Ex-Officio Secretary of the Finance Committee but shall not be deemed to be a member of such committee. He would be an advisor to the Vice-Chancellor on financial matters.
- (iv) The Finance Officer shall work under the direction of the Vice-Chancellor and shall be responsible to the Executive Council through the Vice-Chancellor.
- (v) He/she shall be responsible for the preparation of annual budget, estimates and statements of account for submission to the Finance Committee and the Executive Council.
- (vi) He/she shall be responsible for the management of funds and investments of institution Deemed to be University, subject to the control of Executive Council.

F. CONTROLLER OF EXAMINATIONS:

- (i) The Controller of Examinations shall be appointed by Vice Chancellor with the approval of the Executive Council.
- (ii) The Controller of Examinations shall ensure that all the specific directions of the Executive Council, Academic Council and Vice-Chancellor in respect of examination and evaluation are complied with.
- (iv) The Controller of Examinations shall be a permanent invitee to the Academic Council.

G. DEAN

- (i) The Departments dealing with allied subjects could be grouped into Faculties/Schools, etc., and every faculty shall be headed by a Dean.
- (ii) The Dean of each Faculty shall be appointed by the Vice Chancellor from among the Professors in the Faculty for a period of three years and he/she shall be eligible for reappointment provided that the Dean, on attaining the age of 62, shall cease to hold office as such.
- (iii) Provided further that, if at any time, there is no Professor in a Faculty, the Vice Chancellor shall authorize one of the members in the faculty to exercise the powers of the Dean of the Faculty.
- (iv) When the office of the Dean is vacant or when the Dean is, by reason of illness, absence of any other cause, unable to perform the duties of his office, the duties of the office shall be performed by such person as the Vice-Chancellor may appoint for the purpose.
- (v) The Dean shall be the Head of the Faculty and shall be responsible for the conduct and maintenance of the standards of teaching and research in the faculty/school and shall have such other functions as may be prescribed by the rules of the institution Deemed to be University.
- (vi) The Dean shall have the right to present and to speak at any meeting of the Boards of Studies or Committees of the Faculty, as the case may be, but shall not have the right to vote there at unless he/she is a member thereof.

H. HEAD OF THE DEPARTMENT

Each Department shall have a Head,

- (i) There shall be a Head of the Department for each of the Departments in the institution Deemed to be University who shall be appointed by the Vice-Chancellor from amongst the Professors of the Department.
Provided that if there is no Professor in the Department or there is only one Professor in the Department whose term as Head of the Department is ending, the Vice-Chancellor may appoint an Associate Professor/Assistant Professor who has minimum of 5 years of experience, as Head of the Department.
- (ii) The term of the Head of the Department shall normally be 3 years.

I. DELEGATION OF POWERS:

Subject to the provisions of these Regulations and Rules, any authority or officer of the institution Deemed to be University, with the approval of Executive Council, may delegate its power to any other authority or officer or person under their respective control and subject to the conditions that the overall responsibility for exercising the powers so delegated shall continue to rest in the authority or officer delegating such powers.

11.2 Administrative Policy

Governance and Leadership

A sound governance structure is a pre-requisite for effective administration as it takes care of the formation of Executive Council which plays a vital role in strategic decision-making and policy formulation.

Composition of the Executive Council

The administration shall work with diverse stakeholders, including academic experts, industry leaders, and community representatives, to shape the composition of the Executive Council. Such a body ensures a broad spectrum of perspectives that contribute to well-thought-out decisions. A detailed structure of Executive Council, Academic Council and Board of Studies is included in the Governance Plan.

Strategic Vision:

Another important function of the administration is to work with the Executive Council to develop a comprehensive strategic vision which will be in tune with the institution's goals, academic strengths, and societal requirements.

Policy Framework:

The executive council formulates policies that guide various aspects of the institution's functioning. This involves clear definition of roles, responsibilities, and decision-making procedures.

The administration deliberates with stakeholders to create and implement policies governing admissions, examinations, faculty recruitment, and other operational aspects. Wherever needed the administration adheres to the rule book of regulatory authorities. Clear policies ensure transparency and uniformity among multifarious activities that the institution takes up.

Academic Affairs and Faculty Policies:

All Policies related to curriculum design, evaluation processes, and academic research will be as per the decisions taken in the Academic Council and Board of Studies which in turn devise

and design in tune with the highest regulatory bodies as such a measure ensures academic excellence and uniformity in standards.

Accreditation and Quality Assurance:

The administration through periodical reviews and in house assessments works diligently to meet accreditation requirements set by recognized bodies. This involves continuous assessment, data collection, and quality enhancement initiatives.

Financial Management and Resource Allocation:

Effective financial management is crucial for the institution's sustainability. The administration prepares budgets, allocates resources judiciously, and monitors expenditures. It explores ways and means for revenue generation, including partnerships, research projects, and consultancy services. The support of Alumni is also of great importance in mobilisation of resources in terms of industry requirements, infrastructure, equipment updation and so on.

Business Development and Marketing

As the need for revenue generation has gained prominence within higher education and as institutional competitiveness has grown, members of business development and marketing teams have become essential to the success of educational units. Indeed, it is common to see business development and marketing staff embedded within postsecondary universities and faculties so that they can be intimately familiar with program design, understand target audience, and promote the unique contributions of particular programs.

Higher education administrators and leaders understand that the digital presence of every instructional department within the institution now is a major determinant of its competitiveness and longitudinal success. How programs and the people deliver them are portrayed on institutional websites and in social media affects the choices that learners make in an era when they have worldwide choices. Moreover, the digital profiling of institutions is a far greater factor in students' decision to register than the factors affecting those decisions in the past, such as print calendars, magazine and newspaper advertising, recruitment fairs, and open houses.

Academic Entrepreneurship

Academic entrepreneurship is associated with the effective application of university teaching and research to generate revenue streams for post-secondary institutions. Academic entrepreneurship is a practice performed with the intention to transfer knowledge between the university and the external environment in order to produce economic and social value both for external actors and for members of the academia, and in which at least a member of academia plays a key role.

The final element of academic entrepreneurship was an integrated face-to-face and internet-based learning framework that facilitated successful participation in strategic alliances in competitive local, national, and international settings with profit.

Business development and marketing staff can contribute in a host of other ways to program success. For instance, they serve as liaisons to representatives of government international trade departments. They schedule video and audio conferences with personnel in the offices of international trade commissioners and consulates in order to assess international revenue generating instructional and training initiatives. They design the programming units' websites and use their communication knowledge to attract and direct potential learners to online registration sites. They design, gather, and analyze data, described earlier in this article, so others within their universities and faculties can make well-informed decisions. They also use those data to prepare colleagues for meetings within the institution and the external community, including national and international meetings.

In addition, business development and marketing team members monitor their units' digital presence in order to discern response patterns to their marketing and to those of competitors. They advise in cases of cyber bullying and ensure compliance of all digital and print communications with privacy legislation. In short, business development personnel have become as essential to the success of postsecondary institutions and their individual units as the faculty members, instructional designers, financial staff, librarians, and support services members.

Budget Planning and Resource Allocation:

The administration plans budget that aligns with the institution's priorities. It allocates resources to various departments and initiatives based on a clear understanding of their needs and goals. The administration in tandem with industry partners and research organizations explores ways and means for revenue generation, including sponsored research projects, consultancies, and other such funding agencies.

Infrastructure Development:

The administration is responsible for creating a conducive learning environment by overseeing the planning, construction, and maintenance of facilities such as classrooms, laboratories, libraries, and technology infrastructure.

Technological Advancements:

The administration ensures the integration of cutting-edge technology into the university's infrastructure, fostering innovative teaching methods and research capabilities.

Stakeholder Engagement:

Engaging stakeholders is a vital aspect of the administration. Regular communication fosters collaboration, support, and shared ownership among faculty, students, alumni and industry partners.

Alumni and Community Engagement:

The administration nurtures relationships with alumni, involving them in mentoring, networking, and contributing to the institution's growth and development.

Industry Partnerships:

Collaboration with industries is essential to make learners Industry-ready immediately after course completion. The administration, therefore, establishes partnerships with industries that enhance experiential learning opportunities, research collaborations, and employment prospects for students.

Human Resources Management:

A qualified faculty and staff are integral to academic excellence. The administration implements transparent recruitment processes, equitable compensation policies, and professional development opportunities to attract and retain talent.

Faculty Recruitment and Development:

The administration ensures transparent faculty recruitment processes with focus on attracting accomplished scholars, researchers, and educators. It also provides platforms for faculty development, ensuring a culture of continuous learning.

Staff Engagement and Development:

The administration provides opportunities for skill enhancement, training, and career advancement for non-academic staff, contributing to the institution's overall efficiency and productivity.

Pedagogic Innovations by Digitisation

Providing direction to teachers and other staff members is one of the core functions of an educational administrator. They help get the work done by providing guidance, instructions and orders. The primary aim of the educational administration is to accomplish and execute work in accordance with policies and programmes. Accountability to academic audit shall be mandated to teachers in their area of Teaching-learning-evaluation process. Industry collaboration in establishing product-oriented labs will be a priority.

Assessing Students:

Prime motive of an educational administration helps in planning the continuous assessment that measures the success and growth of students. It helps them understand and improve the assessment score and determines the students' levels of learning. They also monitor the student's classroom and ensure students learn in a healthy environment. Mentor Mentee ratio will be kept on ideal numbers as provisioned by regulatory authorities. Digital Tools will be pressed into teaching-learning-evaluation process steadily to enable OBE process more smoothly.

Data Management and Privacy

Smart data management is absolutely vital for attaining accuracy in learning and objectivity in decision making. With analytics tools and higher education ERP, meaningful patterns can be found out and one can take effective and smart decisions. As the data is stored on a single platform and can be accessed in real-time, with proper data management one can use it to bring about changes and even to find out what works best for them. All measures are to be taken to safeguard the data in every aspect. For instance, keeping all the crucial data on a single platform may make it vulnerable, hence efforts must be put to safeguard the data from both external and internal threats. The university management system should provide role-based access to the key data.

Understanding and Supporting Digital Equity

A future-ready university shall have to provide access to useful devices. The technology and the use of devices must ensure student friendly application.

Data-Driven Decision Making

Another important aspect is Data-Driven Decision Making. It helps Universities in bridging the gap between industry and Academic institutions. It also helps in sustaining interest among all stakeholders.

Fine-tuned data can be garnered through a multitude of sources, including student evaluations of instructors, learner profiles, enrolment preferences, graduate surveys, fee payment patterns, learner referrals, learner satisfaction surveys, employer satisfaction surveys, public and private sector affiliations of students, and detailed tracking of revenues-expenses-net returns. Additional data can be derived from careful risk-management analyses, documentation of strategic alliances, longitudinal productivity of partnerships with professional and corporate organizations, utility of legal templates for employee contracts and institutional partnerships, and response patterns to requests for proposals.

Curriculum Development

Higher education curriculum development can take several forms. Programs may be undergraduate or graduate degrees in any discipline where curricular authority confines in the first instance with faculty members, chairs, deans and industry experts subject to approval by a university-wide academic program committee and ratification by an institutional senate or general faculty council. Consultation is expected throughout the curriculum approval process with relevant institutional groups such as the budget committee, library, other teaching units offering feeder courses and more.

In the case of professional courses such as nursing, education, social work, and engineering, external accrediting associations also must approve program proposals. There are institutional variances in the approval process, the planning and approval process can last as long as one to four years before new or significantly redesigned programs can be delivered.

The curriculum should have its orientation to industry requirements. Course progression and program development must be in sync and move rapidly.

Student Services and Welfare:

While academic matters fall within, another function the administration ensures is, comprehensive student support. It establishes counseling services, career guidance, entrepreneur guidance, placement assistance, and extracurricular activities to facilitate holistic student development. Apart from these, the institution takes extra care to ensure learning transfer mechanism through Innovative projects. Constitution of a separate Innovation cell will be one of the basic functions of administration.

Counselling and Wellness Programs:

The administration offers counselling and mental health services to support students' emotional well-being, creating an environment conducive to learning and growth.

Career Development and Placement:

Collaborating with industry partners, the administration facilitates career development workshops, internships, and placement opportunities to enhance students' employability.

Change Management and Communication:

The administration function leads change management efforts by transparently communicating institutional developments, policy changes, and other crucial information. Effective communication fosters understanding and engagement among stakeholders.

Change Implementation Strategies:

The administration devises strategies for introducing changes, such as new policies, programs, or technological advancements, ensuring a smooth transition with minimal disruption.

Transparent Communication Channels:

The administration establishes clear and open channels of communication to disseminate information, foster dialogue, and address concerns effectively duly following the guidelines of the regulatory authorities.

12. GOVERNANCE PLAN

12.1 Executive Council

The highest governing body of GVPIHLR shall be the Executive Council consisting of not less than ten and not more than thirteen members headed by the Vice-Chancellor. The Executive Council shall be the principal executive body of GVPIHLR.

The composition of the Executive Council shall be as under

- (a) Vice-Chancellor-Chairperson
- (b) Pro-Vice-Chancellor/Rector
- (c) Two members from amongst the Deans of Schools of studies, by rotation, to be appointed by the Vice-Chancellor
- (d) One Professor, who is not a Dean, by rotation, to be appointed by the Vice-Chancellor
- (e) One Associate Professor, by rotation, to be appointed by the Vice-Chancellor
- (f) One Assistant Professor, by rotation, to be appointed by the Vice-Chancellor
- (h) Four nominees of the Sponsoring body and
- (i) Registrar, who shall be the ex-officio Secretary of the Executive Council.

Tenure of the members of Executive Council

All the members of the Executive Council, other than the Vice-Chancellor and Pro-Vice-Chancellor/Rector, shall hold office for a term of three years and in the case of Deans, the term shall be three years or until they cease to hold their original post (superannuation) whichever is earlier.

Members of the Executive Council appointed by the Vice-Chancellor from Professor, Associate Professor and Assistant Professor category shall hold office for a period of one year or till such time they cease to be teachers of the University, whichever is earlier.

Powers and limitations of Executive Council

The Executive Council shall be the final decision-making body of the institution in respect of every matter of GVPIHLR, including Academic, Administrative, personnel, financial, and developmental matters. Subject to the provisions of these regulations and the rules of the institution, the Executive Council shall, in addition to all other powers vested in it, have the following powers to –

- establish Academic Departments, Schools, Divisions or Centers on the advice of the Academic Council
- create, appoint and fix remuneration for teaching, non-teaching and other academic / research positions on full time, part-time or adhoc basis in accordance with the applicable guidelines of the Commission or Statutory Councils

- frame the Employment Regulations in respect of all the employees of the Institution setting the terms of appointment and termination, promotions, leave entitlements, code of conduct, disciplinary procedures, superannuation, grievance redressal and such other related matters.
- Constitute and approve Social Security Schemes for the benefit of the employees of the Institution such as Provident Fund, Gratuity, Pension and Schemes of beneficial remuneration plans.
- grant leave of absence to the Vice Chancellor and to make necessary arrangements for carrying on his functions during the period of absence
- To prescribe and approve Policies, Regulation/s and Guidelines in respect of the academic and administrative matters in accordance with the Regulations/ Guidelines that may be notified by the UGC and /or by the Statutory Body from time to time in the conduct of the affairs of the Institution.
- constitute a Standing Committee of the Council headed by the Vice Chancellor with such number of members of the Council as may be approved to exercise the powers of the Council on any matter that needs to be attended to expeditiously or at short notice provided that all the acts done or decisions taken by the Standing Committee is brought to the notice of the Council in its immediate next meeting for its ratification.
- appoint or authorize attorneys or lawyers or other professionals or officers of the Institution in order to execute any instrument or to transact any business of the Institution and for the purpose to execute general or specific power of attorney, with such powers as it may deem fit.
- accept, select or modify an emblem with distinctive features as may be required for the Institution or Campuses and to have a common seal for the Institution and to provide for the custody and use of such seal
- delegate all or any of its powers to any committee or sub-committee constituted by it or to the Vice Chancellor of the Institution, or any other person.
- manage and administer the revenues and properties of the Institution and to conduct administrative affairs of the Institution not otherwise specifically provided for and for the purpose, to constitute authorities, committees and/or to provide Rules, Regulations and Bye-laws.
- prescribe, amend and receive payment of fees for various programmes /Courses and of other charges like fines, documentation fee etc.
- initiate legal proceedings including but not limited to instituting lawsuits against any person, firm, judicial or quasi-judicial bodies etc. to legitimately protect the interests of the Institution and to defend any lawsuits filed or legal proceedings made against the Institution and for the purpose to engage lawyers, solicitors or consultants and to execute necessary documents thereto.
- do any other act necessary for the smooth and efficient functioning of the Institution including but not limited to managerial and executive decisions.

- make such provisions, as may enable colleges and institutions to undertake specialized studies and courses, and where necessary or desirable, organize and make provision for common laboratories, libraries, museums and equipment for teaching and research;
- create immovable assets in the form of land, building and other infrastructure out of reserve funds, for its campus and sub-campuses;
- provide buildings, premises, furniture, equipment and other resources needed for the conduct of the work of the university;
- recommend the conferment of honorary degrees and academic distinctions;
- institute and confer such degrees, diplomas, certificates and other academic distinctions as recommended by the Academic Council and arrange for convocation for conferment of the same, as provided by the Ordinances;
- institute fellowship, travelling fellowship, scholarship, studentship, exhibitions, awards, medals and prizes, and prescribe Regulations for their award;
- To make Regulations for collaborations with other universities, institutions and organizations for mutually beneficial academic programmes recommended by the Board of Deans;
- To create posts of university teachers and non-vacation academic staff from the funds of the university and from the funds received from other funding agencies, on the recommendation of the Academic Council, as and when required, and prescribe their qualifications, experience and pay-scales;
- To create posts of officers, non-teaching skilled, administrative, ministerial staff and other posts from the funds of the university and from the funds received from other funding agencies, as and when required, and prescribe their qualifications, experience and pay-scales;
- recommend to the Academic Council the comprehensive perspective plan and annual plan for the location of colleges and institutions of higher learning, as prepared by the Board of Deans;
- consider and approve proposals for change or transfer of management and shifting of locations of colleges and institutions, as prescribed in the Statutes;
- receive and consider report of the development activities of the university received from the Registrar every six months;
- consider and adopt the annual report, annual accounts and audit report in respect of State Government funds, university funds and funds received from other agencies separately;
- accept donations, gifts and other forms of financial support from alumni, philanthropists, industries and other stakeholders and prescribe the procedure to be followed by the university for accepting such donations, gifts etc.

Meetings of Executive Council

The Executive Council shall meet at least four times a year (minimum two in one semester), with not less than seven days' prior notice given before every meeting of the Executive

Council and emergency meetings may be convened at a shorter notice, for reasons to be recorded in writing for such emergency meeting.

One-third of the total number of members of the Executive Council shall form the quorum for the meeting.

In the absence of the Vice-Chancellor, the Pro-Vice Chancellor/Rector shall preside over the meeting;

Every member of the Executive Council including the Chairperson, shall have one vote and the decisions at the meetings of the Executive Council shall be taken by simple majority; and in case of a tie, the Chairperson shall have a casting vote.

Any business, which may be urgent in nature, may be carried out by circulation amongst its members.

A copy of the minutes of each meeting shall be furnished to the Chancellor, as soon as possible after the convening of the meeting.

Termination of membership

If a member other than the Vice-Chancellor and those representing the teachers, accepts a full- time appointment in the institution or fails to attend three consecutive meetings of the Executive Council, without proper leave of absence, such member shall cease to be a member of the Executive Council.

Delegation of powers of Executive Council

The Executive Council may, by a resolution, delegate to the Vice-Chancellor or any other officer or faculty or to a Committee of officers or faculties of the institution, such powers as it may deem fit, subject to the condition that the action taken by the Vice-Chancellor or the officer or faculty or the Committee in the exercise of the powers so delegated, shall be reported at the next meeting of the Executive Council.

Other statutory bodies in the proposed Deemed to be University

12.2 Academic Council

The Academic Council shall be the principal academic body of GVP-DU and shall, subject to the provision of the rules of the institution, co-ordinate and exercise general supervision over the academic policy of the institution. The composition of the Academic Council shall be as under

- Vice Chancellor – Chairperson
- Pro Vice Chancellor /Rector
- Deans of Faculties of the Schools and Heads of the Departments or Centres
- Up to ten Professors (excluding those who are Deans of Schools and Heads of Departments or Centers) by rotation, to be nominated by the Vice-Chancellor giving due regard to the representation of different Schools or Departments or Centers;

- Up to five Associate Professors from departments or Centres other than the heads of the departments or Centres, by rotation, to be appointed by the Vice-Chancellor;
 - Up to five Assistant Professors from the departments or Centres other than the heads of the departments or Centres, by rotation, to be appointed by the Vice-Chancellor;
 - six persons of repute from amongst the educationists or experts for their specialized knowledge, who are not in the service of the institution Deemed to be University, nominated by the Vice Chancellor; and
 - Registrar, who shall be the ex-officio Secretary of the Academic Council.
- The representation of different categories shall be through rotation and not through an election and the term of members, other than the ex-officio members, shall be three years and the Controller of Examination shall be the permanent invitee to the meetings of the Academic Council.

Powers and Functions of Academic Council:

Subject to the provisions of these regulations and rules of the GVPIHLR, the Academic Council shall, in addition to all other powers vested in it, have the following powers, namely

- to exercise general supervision over the academic policies of the institution Deemed to be University and to give directions regarding methods of instruction, co-ordination of teaching among departments or faculties or schools or centers, evaluation of research and improvement of academic standards;
- to bring about and promote inter-departmental, inter-faculty, inter-school, inter-center co-ordination and to establish or appoint such committees or boards, as may be deemed necessary for the purpose;
- to consider matters of general academic interest either on its own initiative, or on a reference by a department or faculty or school or Centre or the Executive Council, and to take appropriate action thereon;
- to prescribe courses or programmes of study leading to degree and diploma of the institution Deemed to be University;
- to make arrangements for the conduct of examinations in conformity with the rules and bye-laws of the institution Deemed to be University;
- to maintain proper standards of the examination;
- to recognize diplomas and degrees of universities and other Institutions and to determine equivalence with the diplomas and degrees of the institution Deemed to be University
- to institute Fellowships, Scholarships, Medals, Prizes, etc. to frame rules covering the academic functioning of the institution Deemed to be University, admissions, examinations, award of fellowships and studentships, free-ships, concessions, attendance, discipline, residence, etc.;

- to take a periodical review of the activities of the departments or Centres and to take appropriate action to maintain and improve the standards of instruction;
- to recommend the institution of teaching posts (Professors, Associate Professors, and Assistant Professors) to the Executive Council;
- to make recommendations to the Executive Council for the establishment or abolition of departments or Centres or Schools or Faculties, etc.
- to exercise such other powers and to perform such other duties, as may be conferred or imposed upon it by the rules of the institution.

Meeting of Academic Council

The Academic Council shall meet as often as necessary but not less than four times (at least two times in a semester) during an academic year with not less than seven days prior notice being given before every meeting of the Academic Council and emergency meetings may be convened at a shorter notice, for reasons to be recorded in writing for such emergency meeting.

One-third of the total number of members of the Academic Council shall constitute the quorum for the meeting of the Academic Council. Each member, including its Chairperson, shall have one vote, and decisions at the meetings of the Academic Council shall be taken by simple majority; and in case of a tie, the Chairperson shall have a casting vote.

Any business that may be necessary for the Academic Council to perform, which is urgent in nature, shall be carried out by circulation amongst its members.

12.3 Board of Studies

There shall be one Board of Studies for each Department or School in GVPIHLR.

Subject to the overall control and supervision of the Academic Council, the functions of the Board of Studies shall be to approve subjects for various degrees and other requirements of research degrees and to recommend to the concerned School Board in such manner as may be prescribed by the rules of the institution regarding-

- Courses of studies
- Measures for the improvement of the standards of teaching and research.
- Appointment of supervisors for research

The powers and functions of the Board of Studies shall be prescribed by the rules of the institution.

The composition of the Board of Studies shall be

- i. Dean of School or Head of the department - Chairperson
- ii. All Professors of the school or department
- iii. two Associate Professors of the school or department, by rotation
- iv. two Assistant Professors of the school or department, by rotation
- v. two external experts to be co-opted for their specialized knowledge

12.4 Finance Committee

The composition of the Finance Committee shall be

- i. Vice Chancellor - Chairperson
- ii. Pro Vice-Chancellor / Rector
- iii. one person nominated by the society
- iv. three persons nominated by the Executive Council, out of whom at least one shall be a member of the Executive Council
- v. three persons nominated by the Chancellor;
- vi. Finance Officer-Secretary (ex-officio)

All members of the Finance Committee other than ex-officio members shall hold office for a term of three years.

The Finance Committee shall meet at least four times in an academic year (at least twice each semester) to examine the accounts and scrutinize the proposals for expenditure and one-third of the total number of members of the Finance Committee shall form the quorum for a meeting. All proposals relating to the creation of posts and those items which have not been included in the Budget, shall be examined by the Finance Committee before the Executive Council considers them and to decide waiver in fees, the establishment of scholarships, free ships and any other financial benefits. The annual accounts and financial estimates of the institution Deemed to be University prepared by the Finance Officer shall be laid before the Finance Committee for consideration and comments and thereafter the same shall be submitted to the Executive Council for approval. The Finance Committee shall recommend limits for the total recurring and non-recurring expenditures for the year, based on the income and resources of the institution.

13. IDENTIFIABLE OUTPUTS AND OUTCOMES OF THE PROGRAMMES PROPOSED UNDER DIFFERENT SCHOOLS

Outputs and Outcomes of Distinctive Proposed Programs of various schools are presented below:

13.1 Outputs and Outcomes of Distinctive Proposed Programs – Arts and Humanities

Outputs	Outcomes
<p>The School of Humanities is committed to fostering a generation of individuals equipped with a rich blend of traditional knowledge and cutting-edge technological expertise.</p> <p>The School of Humanities should be a beacon of intellectual and cultural prowess, empowering individuals to navigate the ever-evolving landscape of India and beyond. Through its diverse array of programs, the school should cultivate the graduates who are not only steeped in traditional knowledge but also adept at harnessing the transformative power of technology. This unique blend of expertise positions graduates to become catalysts for societal transformation, driving progress across various domains.</p> <p>The school's focus on linguistic and digital fluency equips individuals with the skills they need to navigate the increasingly interconnected world. Graduates become trailblazers in language and technology integration, seamlessly blending traditional languages with technological advancements. The school's commitment to mental health expertise equips graduates with the knowledge and skills to address the growing issues in the area of mental health. Through their understanding of clinical psychology and technological interventions, they become advocates for mental wellness, fostering resilience and well-being among individuals and communities.</p>	<p>The programs offered by the School of Humanities yield impactful outcomes, shaping graduates into influential contributors to societal well-being and progress:</p> <p>Broadly country needs Cultural Harmony Architects who are equipped skillfully bridge the gap between cultural traditions and the dynamic needs of contemporary society. The courses that designed should bridge this need and develop resources for the Nation's strategic needs.</p> <p>India with 1.4 billion population needs Innovators in Mental Health Solutions who are capable of pioneering innovative approaches to address mental health challenges.</p> <p>Country with 1,369 dialects and 121 recognized languages, need to develop traditional approaches with technology support to manage the seamless communication across these regions.</p> <p>We need models to seamlessly integrate language and technology, fostering a harmonious coexistence. Programs has been developed to cater to these needs.</p> <p>Finally, we need Leaders in Community Development who can take the leadership roles in community development, policy advocacy, and research, contributing to meaningful societal progress.</p> <p>Keeping these challenges, School of Humanities thrives to produce the following outcomes.</p>

<p>Graduates become leaders who understand and address the unique challenges faced by these communities, contributing to poverty alleviation, education improvement, and healthcare access. Their insights and actions drive positive change, empowering individuals and communities to thrive.</p> <p>Across a diverse range of programs, the school ensures that graduates and postgraduates attain the following key outputs:</p> <p>Cultural Integration Proficiency:</p> <ul style="list-style-type: none"> • Mastery in integrating cultural traditions with modern technologies, fostering a harmonious coexistence between heritage and the digital landscape. <p><i>For e.g. Ashoka University started unique Science Policy Initiative (SPI), that helps facilitate or support the different stakeholders in the framing of evidence based policies to address societal problems. SPI blends with Ashoka University's distinct features as a leading liberal arts and sciences higher education institution in India with an interdisciplinary flavour of research and teaching.</i></p> <p><i>In another international case, Newzeland's Massey University's Te Ara Māori project is a comprehensive digital resource that provides access to a wealth of Māori knowledge, language, and culture.</i></p> <p><i>The University of British Columbia's Museum of Anthropology has developed a Digital Museum platform that showcases the museum's extensive collection of artifacts and artworks from around the world. The platform allows users to explore the museum's collections virtually, access detailed information about specific objects, and engage with interactive exhibits.</i></p> <p>Linguistic and Digital Fluency:</p>	<p>Cultural Custodians:</p> <ul style="list-style-type: none"> • Graduates attain proficiency in preserving cultural heritage through innovative linguistic and digital integration. • Language and technology fusion experts foster a seamless connection between traditional languages and advanced technology. <p>Why Now?</p> <p><i>India's rich and diverse cultural heritage is facing numerous challenges in the 21st century, including globalization, urbanization, and technological advancements. These factors threaten to erode traditional languages and cultural practices, leading to a loss of cultural identity and heritage. To address these challenges, India needs a new generation of cultural custodians who are proficient in preserving cultural heritage through innovative linguistic and digital integration. The role of Educational Institutions is immense in re-designing courses to preserve these values and ethos.</i></p> <p>Mental Wellness Advocates:</p> <ul style="list-style-type: none"> • Positive impact on mental health through the convergence of clinical psychology and cutting-edge technological innovations. <p>Importance of these Programs</p> <p><i>The stigma surrounding mental health in India is strong. This stigma prevents people from seeking help for their mental health problems, which can lead to serious consequences. The role of Wellness advocates is immense. The shortage of mental health professionals in India is severe. Of the 150 million Indians who need mental health care services, less than 30 million are seeking the care (National Mental Health Survey of India, 2015-16 Mental Health Systems) and (https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6341936/). There is call for creating virtual internet based learning mechanisms to</i></p>
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<ul style="list-style-type: none"> • Proficiency in both traditional languages and advanced technology, enabling graduates to navigate the evolving demands of the digital era. <p><i>For e.g. IIIT Hyderabad is working on project that aims to develop advanced language processing tools for Telugu, a Dravidian language spoken by over 80 million people worldwide. The project focuses on tasks such as machine translation, speech recognition, and text summarization, enabling Telugu speakers to engage effectively in the digital world.</i></p> <p><i>IITs are working on Machine Translation for Indian Languages.</i></p> <p><i>We aim for such an integration with School of Engineering in the University and work on futuristic projects</i></p> <p>Innovative Pedagogues:</p> <ul style="list-style-type: none"> • Development of innovative pedagogical skills in areas such as holistic yoga, music, and linguistic studies, ensuring graduates adept educators. <p><i>Gayatri Vidya Parishad earlier Worked on Wipro's Mission 10X (a non-profit initiative that aims to bridge the gap between academia and industry by enhancing the employability skills of engineering graduates in India). We will scout for such opportunities to redefine the pedagogies.</i></p> <p>Mental Health Expertise:</p> <ul style="list-style-type: none"> • Knowledge and skills in clinical psychology coupled with a deep understanding of technological interventions for addressing mental health challenges. <p><i>We aim to make collaboration with National Institute of Mental Health and Neurosciences (NIMHANS), Tata Institute</i></p>	<p><i>successfully train and hand-hold all non-specialist health providers; this can achieve the task shifting to non-specialists or other disciplines of medical care. We would like to take the lead role in this direction.</i></p> <p>Versatile Societal Contributors:</p> <ul style="list-style-type: none"> • Addressing challenges in diverse fields such as healthcare, community development, and policy advocacy with a holistic approach. <p><i>GVP established GVP CENTER FOR THE STUDY OF HUMAN AND SPIRITUAL VALUES and CENTER FOR THE STUDY OF GANDHIAN PHILOSOPHY AND HUMAN DEVELOPMENT in Year 2009. There is a need for fostering versatile societal contributors who can address challenges in diverse fields such as healthcare, community development, and policy advocacy with a holistic approach. We will strengthen our centres on the lines of a few notable case studies like Ashoka University's Young India Fellowship, TISS's Master of Social Work (MSW) program, Ahmedabad University's Master of Public Administration (MPA) and Nalanda University's Master of Arts in Buddhist Studies program which provide students with a comprehensive understanding of Buddhist philosophy, history, culture and so on.</i></p> <p>Innovative Educators:</p> <ul style="list-style-type: none"> • Development and application of innovative pedagogical methods in holistic yoga, music, and linguistic studies. <p><i>Several universities worldwide are pioneering innovative pedagogical methods in holistic yoga, music, and linguistic studies, transforming the way these disciplines are taught and experienced. We will emulate the world class best practices and bring distinction in the way course is taught. For e.g. Carnegie Mellon CMU's Entertainment Technology Center has a number of virtual and augmented reality projects, including Project Voyage, which creates virtual classroom field trips, SocialVR, which is a</i></p>
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<p><i>of Social Sciences (TISS), etc who are immensely working towards Clinical Psychology programs that includes a focus on technology-based interventions.</i></p> <p>Community Development Leadership:</p> <ul style="list-style-type: none"> • Leadership capabilities in rural and tribal dynamics, combining academic rigor with practical field experiences for meaningful contributions to community well-being. <p><i>The GVP already has an MoU with Tribal Cultural Research, Govt. of AP to conduct health camps and participation of Eradication of Sickle Cell Disease in Tribal areas of AP. This is a 15-year project. We will leverage such opportunities and make students part of these similar missions and change the vision of Master's in Progressive Rural and Tribal Studies program.</i></p>	<p><i>virtual reality storytelling platform, MixAR, which explores the use of agents to help AR users work or play in their world, and Everywhere Music, which is an AR-assisted piano improvisation tool that allows users to perform live. (https://evcp.ucla.edu/wp-content/uploads/2020/10/Virtual-Reality-Task-Force-Report-Feb-2019.pdf)</i></p> <p>Leaders in Rural and Tribal Dynamics:</p> <ul style="list-style-type: none"> • Undertaking leadership roles in rural and tribal community development, contributing significantly to social justice and sustainable development. <p><i>The GVP redesign courses in line with Xavier Institute of Rural Management (XIRM), Jamshedpur to prepare students to take on leadership roles in rural development, with focus on entrepreneurship, social enterprise, and sustainable livelihood creation. Similarly, we will also emulate Sardar Patel Institute of Economic and Social Research objectives to design and implement effective rural development policies and programs in and around North Coastal Andhra Pradesh.</i></p>
<p>As India navigates the complexities of the 21st century, the School of Humanities stands as a beacon of hope and innovation, shaping a future where cultural heritage and technological advancement converge to create a more just, equitable, and prosperous society for all.</p>	

13.2 Outputs and Outcomes of Distinctive Proposed Programs – Commerce and Management

Outputs	Outcomes
<i>Unlock Potential of the Students:</i> Embark on a transformative journey where strategic thinking meets real-world challenges. The programs of SMS are designed to hone leadership skills, foster innovation, and empower you to make impactful decisions in the dynamic business landscape.	<i>Strategic Visionaries:</i> Graduates of UG and PG programs emerge as strategic visionaries equipped to navigate the complexities of the business world. They possess the ability to see beyond the immediate challenges, envisioning opportunities, and steering organizations towards sustainable success.
<i>Industry Specific Specializations:</i> Tailored both UG and PG program with industry specific specializations such as Digital Marketing, Business Intelligence and Analytics, Operations Management, Behavioural Science, Block Chain Management, AI and ML, Innovation and Design Thinking, Logistics and Supply Chain Management, Human Capital Management and Strategic Human Resource Management to nurture the students in these contemporary relevant domains of knowledge.	<i>Innovation Architects:</i> Our UG and PG graduates are not just followers; they are innovators. With a mindset tuned to disruption, they can lead organizations in developing and implementing innovative solutions that propel them ahead of the competition.
<i>Industry-Integrated Projects:</i> Gain hands-on experience through the industry-integrated projects. Collaborate with top organizations on real business problems, providing students with the practical skills to excel in the corporate world.	<i>Global Leaders:</i> Equip with a global perspective gaining through sessions with international orientations. They can lead with sensitivity to global distinctions, fostering collaboration and driving inclusive growth.
<i>Global Perspectives:</i> Expand the horizons with these both national and international oriented programs which will immerse the students in diverse cultures, broaden their network, and develop a global mindset essential for navigating the complexities of the global business arena.	<i>Change Agents:</i> Change is constant, and our programs prepares graduates to adopt it and armed with suitable required leadership skills by adopting dynamics of business environment at national and international scale.

<p><i>Leadership Development:</i> Experience our Leadership Development activities, where the students refine their leadership style, enhance communication skills, and build the resilience needed to lead in an ever-evolving business environment.</p>	<p><i>Ethical Stewards:</i> Our programs instill a strong sense of ethical responsibility, producing business leaders who prioritize ethical decision-making, corporate social responsibility, and sustainable business practices.</p>
<p><i>Entrepreneurship:</i> Each and every program has been designed to nurture the entrepreneurship among the students in order to incline the students towards planning and establishing their own start-ups.</p>	<p><i>Entrepreneurial Architects:</i> Our graduates will not only be job seekers; but also they are inculcated to become entrepreneurial architects.</p>
<p><i>Societal Consciousness:</i> Fostering societal consciousness has become increasingly important in this VUCA World. The School of Management Studies recognized the need to produce business leaders who not only excel in traditional business skills but also understand and address the broader societal issues.</p>	<p><i>Community Impact Agents:</i> Beyond the boardroom, our graduates will be oriented towards social consciousness and sustainable business processes to address societal challenges and contribute to the greater good.</p>

13.3 Outputs and Outcomes of Schools under Engineering & Technology

The following “Outputs and Outcomes” (Part A) are common for the all schools mentioned below under Engineering and Technology category

1. School of Computer Science and Medical Technology
2. School of Computer Science and Engineering,
3. School of Electrical and Electronics Engineering
4. School of Civil Mechanical and Chemical Engineering

However, “School Specific/Domain Specific Outputs and Outcomes” have also been drawn for each school which are detailed in the Part B

Part A (Common for all Schools)

Outputs	Outcomes
<p><u>Technical Proficiency:</u></p> <ul style="list-style-type: none">• Ensuring a strong foundation in theoretical principles and practical applications in respective disciplines.• Proficiency in the use of state-of-the-art engineering tools and technologies. <p><i>Example: Successful completion of projects, participation in hackathons, and proficiency in industrial-standard software.</i></p> <p><u>Industry-Ready Graduates:</u></p> <ul style="list-style-type: none">• Equipped with skills relevant to industry needs.• Successful placement in well-reputed firms. <p><i>Example: High placement rates, positive feedback from industry partners, and alumni success stories.</i></p>	<p><u>Engineering Knowledge:</u> Apply the knowledge of mathematics, science, engineering specialization to the solution of complex engineering problems.</p> <p><u>Modern tools usage:</u> Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.</p> <p><u>Life-long learning:</u> Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Continued attempts to upgrade proficiency in the use of state-of-the-art engineering tools and technologies.</p>
<p><u>Interdisciplinary Problem-Solving:</u></p> <ul style="list-style-type: none">• Solve problems of interdisciplinary perspective• Find innovative solutions by collaborating with professionals from diverse fields. <p><i>Example: Participation in interdisciplinary projects and collaborative research initiatives.</i></p>	<p><u>Problem Solving and Analysis:</u> Identify, formulate, review literature, and analyze complex engineering problems reaching conclusions using first principles of mathematics, natural sciences, and engineering sciences.</p> <p><u>Design / Develop solutions:</u> Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public</p>

<p><u>Innovative Design Projects:</u></p> <ul style="list-style-type: none"> • Completion of engineering design projects demonstrating creativity and applicability. • Participation in national and international design competitions. <p><i>Example: Showcase design projects / recognitions, and integration of design thinking in the curriculum.</i></p> <p><u>Cutting-edge Research:</u></p> <ul style="list-style-type: none"> • Publication of research papers in reputable journals and conferences. • Development of innovative technologies and solutions through research projects. <p><i>Example: Research output in terms of publications, patents, and successful completion of projects.</i></p>	<p>health and safety, and the cultural, societal, and environmental considerations.</p> <p><u>Conduct investigations of complex problems:</u> Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.</p> <p><i>Active engagement in R&D projects addressing national challenges, such as the design of affordable and sustainable housing solutions for urbanization challenges or the development of smart agriculture technologies to enhance productivity</i></p>
<p><u>Effective Communication:</u></p> <ul style="list-style-type: none"> • Proficient communication skills, articulate technical concepts clearly and collaborate effectively with diverse stakeholders. <p><i>Example: Presentation of research findings, participation in communication workshops, and engagement in public outreach programs.</i></p>	<p><u>Communication Skills:</u> Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.</p>
<p><u>Community Engagement:</u></p> <ul style="list-style-type: none"> • Engagement in community service projects applying engineering skills to benefit society. • Collaboration with local communities to address engineering challenges. <p><i>Example: Participation in community outreach programs, implementation of projects addressing local needs.</i></p>	<p><u>The Engineer and Society:</u> Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the practice.</p> <p><u>Environment and Sustainability:</u> Contribute to <i>Sustainable Development Goals (SDGs)</i> in societal and environmental contexts <i>through projects like designing affordable and eco-friendly housing solutions, water purification technologies, sustainable transportation systems.</i></p>
<p><u>Global Collaborations:</u></p> <ul style="list-style-type: none"> • Collaborations with international universities and research institutions. • Participation in global engineering forums and conferences. 	<p><u>Policy Advocacy and Influence:</u> Participation in national policy discussions, providing expert opinions on topics like sustainable urban planning or cybersecurity, influencing policies that shape the direction of technology and innovation.</p>

<p><i>Example: Establishment of international partnerships, student exchange programs, and joint research initiatives.</i></p>	<p><i>Institutions can contribute towards National Clean Air Program (NCAP) and help in the formulation of policies addressing air pollution, emphasizing technological interventions for cleaner air.</i></p>
<p>Overall Holistic Professional and Personality Development</p>	<p><u>Ethics:</u> Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice. <i>Demonstrate ethical practices, emphasizing responsibility, integrity, and social consciousness in engineering projects / works.</i></p> <p><u>Individual and Teamwork:</u> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.</p> <p><u>Project management:</u> Demonstrate knowledge of the engineering and management principles including finance and apply these to manage projects and in multidisciplinary environments.</p> <p><u>Cross-Cultural Engineering Leadership:</u> Demonstrate cross-cultural leadership skills by successfully leading international engineering teams on projects like developing inclusive technology solutions for differently abled individuals.</p> <p><u>Skill Development for National Workforce:</u> The curriculum facilitates skill development aligned with national workforce needs, producing graduates proficient in emerging technologies such as AI.</p> <p><u>Entrepreneurial Mindset / Startups:</u> Development of an entrepreneurial mindset to identify opportunities, take risks, contribute to economic growth. Participation in entrepreneurship programs, engagement with startup initiatives. Initiate entrepreneurial ventures focusing on socio-economic challenges, such as startups specializing in renewable energy solutions for rural electrification or technology-driven initiatives to address healthcare accessibility in underserved areas.</p> <p><u>Humanitarian Engineering for Global Well-being:</u> Engage in humanitarian engineering projects, such as developing low-cost medical devices for remote healthcare delivery, technology solutions for disaster preparedness and response in vulnerable regions.</p>

Part B (School Specific/Domain Specific)

13.3.1 School of Chemical, Mechanical and Civil Engineering

Outputs	Outcomes
<p>Possessing Fundamental Engineering Knowledge:</p> <p>Civil Engineering:</p> <p>Graduates possess a deep understanding of structural mechanics, materials science, and sustainable design principles.</p> <p>Mechanical Engineering: Graduates understanding the forces of physics and thermodynamics, designing machines that move the world and foundation of mechanical engineering.</p> <p>Chemical Engineering: Graduates having understanding of molecular transformations, manipulating chemicals to create new materials, and chemical engineering plants production processes.</p>	<p>Application-level Orientation</p> <p>Graduates tackle real-world challenges with innovative solutions, designing smart cities that adapt to climate change, building resilient infrastructure for developing nations, and developing sustainable energy solutions for a cleaner future. (Connects skills to global impact and future-oriented thinking)</p> <p>Graduates embrace continuous learning, pushing the boundaries of their disciplines. They explore the potential of advanced materials for next-generation construction, develop AI-powered robots for automated manufacturing, and pioneer new frontiers in green chemistry and sustainable energy production. (Emphasizes lifelong learning and contribution to the advancement of the field)</p> <p>Graduates lead diverse teams on complex engineering projects, navigate international collaborations, and influence policy discussions on critical infrastructure and environmental issues</p>
<p>Research and Development Contributions:</p> <p>Participate and Publish research findings, participate in conferences, and contribute to the evolution of engineering knowledge.</p>	<p>Graduates actively engage in research and development, contributing to the generation of new knowledge and innovative solutions.</p>
<p>Efficient Problem Solving and Analysis:</p> <p>Develop effective solutions through rigorous analysis, utilizing first principles of mathematics, natural sciences, and engineering sciences.</p>	<p>Graduates are adept at identifying, formulating, and analyzing complex engineering problems, applying principles from mathematics and engineering sciences.</p>
<p>Engagement in Interdisciplinary Problem-Solving:</p> <p>Participate in interdisciplinary projects and research initiatives that address complex engineering challenges.</p>	<p>Graduates excel in solving problems with an interdisciplinary perspective, collaborating with professionals from diverse fields.</p>

13.3.2 School of Computer Science and Medical Technology

Outputs	Outcomes
<p>Strong foundation in programming languages, algorithms, and data structures:</p> <p>Graduates are equipped to design and implement efficient algorithms for medical applications, analyse complex medical datasets using machine learning techniques, and develop software solutions for patient care and diagnostics.</p>	<p>Develop innovative healthcare applications:</p> <p>Graduates can design AI-powered medical devices, build software for remote patient monitoring, and create telehealth platforms for improved healthcare access. Imagine creating a wearable device that tracks a patient's vital signs in real-time and alerts healthcare professionals of potential emergencies.</p>
<p>Proficiency in medical imaging and data analysis:</p> <p>Graduates can interpret medical images using AI and computer vision techniques, analyse medical data to identify patterns and trends, and contribute to personalized medicine initiatives. Think about using AI to analyze MRI scans and predict a patient's response to specific treatments, paving the way for more effective and individualized healthcare.</p>	<p>Contribute to medical research and development:</p> <p>Graduates can analyze medical data to identify disease patterns, develop new diagnostic tools, and improve medical treatments. Think about using machine learning to analyze genomic data and identify genetic markers associated with specific diseases, leading to the development of personalized therapies.</p>
<p>Expertise in healthcare IT and cybersecurity:</p> <p>Graduates can develop secure and interoperable healthcare information systems, implement telemedicine solutions, and protect patient data from cyber threats. Envision building a secure online platform that connects patients with doctors remotely, improving access to healthcare in rural or underserved areas.</p>	<p>Lead the digital transformation of healthcare:</p> <p>Graduates can implement electronic medical records, build data-driven healthcare systems, and ensure secure and efficient data exchange. Imagine designing a system that seamlessly integrates medical data from various sources, providing healthcare professionals with a holistic view of each patient.</p>

13.3.3 School of Computer Science and Engineering

Outputs	Outcomes
Mastery of computer science fundamentals: Graduates possess a deep understanding of design and analysis of algorithms, building complex software systems, and the theoretical underpinnings of computing.	Drive innovation in diverse industries: Graduates can develop AI-powered solutions for automated solutions, and create next-generation software tools. Imagine designing an AI-powered robot that can perform delicate surgeries with greater precision and efficiency than human surgeons.
Expertise in artificial intelligence and machine learning: Graduates can understand ML algorithms, tune them, and develop AI applications for diverse domains, train machine learning models, and apply them to solve real-world problems.	Contribute to cutting-edge research in computer science: Graduates can develop new algorithms, advance machine learning techniques, and push the boundaries of computing knowledge. Think about developing new algorithms for natural language processing that allow computers to understand and generate human language with near-perfect accuracy.
Proficiency in software development and engineering: Graduates can design, develop, and deploy software solutions across various platforms, including web, mobile, and cloud. Think about building a mobile app that connects refugees with essential resources and services, empowering them to rebuild their lives.	Shape the future of technology: Graduates can lead the development of next-generation software platforms, design secure and reliable systems, and ensure responsible use of technology. Imagine designing a decentralized, blockchain-based internet that is more secure, transparent, and resistant to censorship.

13.3.4 School of Electrical and Electronics Engineering

Outputs	Outcomes
Mastery of Electrical and Electronics Fundamentals: Graduates possess a deep understanding of electrical and electronics engineering principles. Successfully apply theoretical knowledge to solve intricate engineering problems.	Graduates acquire advanced knowledge in electrical and electronics engineering principles, including proficiency in designing and analyzing electrical systems and devices.
Innovative Solutions for Electrical and Electronics Industries: Contribute to the progression of power systems, electronics, and communication technologies.	Graduates can devise and implement critical solutions for power systems, electronics, and communication technologies.
Expertise in Power Systems and Renewable Energy: Lead initiatives towards sustainable and renewable energy practices.	Graduates can design, analyze, and optimize power systems, incorporating sustainable and renewable energy solutions.
Cutting-edge Research Contributions: Contribute to the advancement of knowledge through publications and breakthroughs in telecommunications, control systems, and signal processing.	Graduates actively participate in cutting-edge research across telecommunications, control systems, and signal processing.
Proficiency in Embedded Systems and IoT Implementation: Successfully develop and deploy embedded systems and IoT solutions with practical implications.	Graduates demonstrate proficiency in designing and implementing embedded systems and IoT solutions for real-world applications.
Leadership in Shaping the Future of Electrical and Electronics Technology: Design systems that not only advance technology but also understand/adhere to the highest ethical standards in electrical and electronics engineering.	Graduates lead the development of next-generation technologies, ensuring they are secure, reliable, and aligned with ethical considerations in electrical and electronics engineering.

13.4 Outputs and Outcomes of Distinctive Proposed Programs – Medicine

Outputs:	Outcomes:
<p>Academic Excellence</p> <p>Awarding MBBS, MD, and MS degrees aligned with NMC standards and as per the norms of Dr YSR University of Health Sciences, formerly Dr NTR University of Health Sciences.</p>	<p>Graduates demonstrating proficiency, contributing to advancements in healthcare.</p> <p>Examples: publishing research on innovative treatment methods, presenting at international medical conferences, and securing positions in prestigious healthcare institutions.</p>
<p>Comprehensive Healthcare Delivery:</p> <p>Operating a 950-bed hospital accredited by NABH;</p> <p>Healthcare delivery to the neighbourhood and Run daily Outpatient services</p> <p>Empanelled as a service hospital by Govt. of AP, ESI, etc and provide quality service</p>	<p>Enhanced community health, improved patient care, and increased healthcare access</p> <p>Examples: reduced patient wait times, high patient satisfaction scores, and the establishment of specialized care units</p>
<p>Community Outreach Programs</p> <p>Conducting urban and rural healthcare services, health camps, and school clinics.</p>	<p>Strengthened community health, increased awareness, and proactive disease prevention</p> <p>Tangible improvements in community health indicators, such as a e.g. 20% decrease in preventable diseases, a 30% increase in vaccination rates, and a notable decrease in school absenteeism due to health issues</p>
<p>Institutional Recognition</p> <p>Ranked as preferred private medical college in Andhra Pradesh</p>	<p>Establishment as a regional leader in medical education and healthcare provision.</p> <p>Example: Attracting top-tier faculty (e.g., increase in PhD-qualified faculty), forming partnerships with renowned institutions (e.g., collaborations with leading research centers), and recognition as a regional center for cutting-edge medical education.</p>
<p>Public Health Engagement</p> <p>Active participation in addressing global public health challenges</p>	<p>Establishing collaborations for interdisciplinary initiatives, contributing to global health solutions</p> <p>Collaboration with national and international organizations on disease prevention strategies, participation in global health research projects, and hosting international conferences on emerging health issues.</p>

Student Support and Development Implementing student support systems, wellness programs, and anti-ragging initiatives.	Nurturing holistic student development, promoting well-being, and ensuring a positive academic environment high satisfaction rates, low instances of stress-related issues, and a thriving campus community.
Research and Innovation Faculty engagement in research, with a focus on publications and interdisciplinary projects	Advancements in medical knowledge, fostering a culture of continuous research and innovation increase in research funding, patent applications for medical innovations, and integration of research findings into medical practices. Develop strategies/knowledgebase in integrating ancient Indian medical systems with modern systems
Environmental and Social Responsibility Implementation of green campus initiatives, environmental and energy audits.	Demonstrating commitment to sustainability, social responsibility, and community well-being. Measurable reductions in the institution's carbon footprint, recognition as an environmentally conscious institution (e.g., Green Campus certification), and community engagement through sustainability programs (e.g., waste management collaborations reducing community pollution)

13.5 Outputs and Outcomes of Distinctive Proposed Programs – School of Sciences

Outputs:	Outcomes
<p>The proposed programs of the School of Sciences are designed on multi-disciplinary topics. The learner centric pedagogy is based upon: the clarity of concepts, foundation in fundamentals, practical knowledge with hands on experience. This multi-pronged and multi-disciplinary approach imparts skills to analyse, address and execute solutions to the real time societal challenges most effectively.</p> <p>The proposed programs are developed with the distinctive nature of contemporary knowledge and projected future needs of the technology encompassing the multi-disciplinary approach. This approach with the learner centric pedagogy empowers the students with logical and analytical thinking, rational approach and hands on experience empowering the students to effectively and efficiently address the contemporary and future real time societal challenges.</p> <p>Across the several multi-disciplinary programs, the school ensures that graduates and postgraduates attain the following key outputs:</p> <p>Foundations in the core knowledge in multi-disciplinary programs:</p>	<p>The programs offered by the School of Sciences prepares the graduates to a holistic cognitive development of multi-disciplinary knowledge of contemporary topics. These Programs are anticipated to empower the graduates to be responsible front-line leaders. These graduates can amalgamate seamlessly to any futuristic challenges and equip themselves to address and deliver effective and efficient solutions.</p> <p>The advancement of technology is bringing up challenges which are most complex and need a depth of knowledge in many disciplines.</p> <p>For example, if one has to address Climate Change, the basic question is to address Global temperatures. The associated topics of global temperature are: vector-borne diseases, clean water technology, waste management, drug resistant pathogens and enhanced energy needs.</p> <p>Similar challenge is: carbon emission reduction (if not zero carbon) and closed loop economy.</p> <p>To address these challenges, the graduates should equip themselves with multi-disciplinary knowledge and the solutions are mostly geographic-centric (meaning, the solutions available in the Western economy may not suit the eastern economy).</p>

<ul style="list-style-type: none"> ● A clear fundamental of the core and connected subjects of the theme of the program. ● Emphasis being on “hands on experience”, the desired level of confidence in applying the core knowledge to the real time challenges. ● The multi-disciplinary nature of the Program ensures the depth and width of the core and connected subjects. <p>Connected to the contemporary and real time topics:</p> <ul style="list-style-type: none"> ● The student being connected to the contemporary topics, acquire skills of the highest order to qualify at the front line for leadership positions. ● Students being closely connected to the contemporary topics, they can easily adopt to and steer the futuristic developments in the multi-disciplinary challenges / topics. <p>Multi-disciplinary programs ensure innovative solutions:</p> <ul style="list-style-type: none"> ● The core competence of multi-disciplinary subjects in the Program equips students with innovative solutions to the real time complex challenges. 	<p>Keeping these challenges, School of Sciences anticipates the following outcomes.</p> <p>Scientific leaders with multi-disciplinary knowledge:</p> <ul style="list-style-type: none"> ● Graduates with multi-disciplinary knowledge (in depth and width) with logical thinking and rationale approach to address the complex challenges most effectively. ● These Graduates are capable of generating new concepts to address the real time societal problems (for example, new methodologies in detecting and quantifying drug resistance pathogens using principles of optical spectroscopy). <p>Innovative methodologies for data acquisition with utmost accuracy and reliability:</p> <ul style="list-style-type: none"> ● Mathematics is the basic science that develops innovative methods for data acquisition with accuracy and reliability. The data analyses methods evolve new algorithms and new techniques. Graduates of the Science Programs are equipped with thinking “out of the box” to provide innovative solutions.
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14. Executive Summary: Gayatri Vidya Parishad Institute of Higher Learning and Research (GVPIHLR)

Established in 1988, **Gayatri Vidya Parishad (GVP)** stands as a cornerstone of educational excellence in Visakhapatnam, Andhra Pradesh. Under the visionary leadership of eminent academicians and educational pioneers, GVP has cultivated a rich legacy, comprising a degree and post-graduation college, three engineering colleges (including one dedicated to women), and a medical college. GVP has also established and collaborated on various centres dedicated to scientific research, policy studies, skill development, medical imaging, integrated tribal development, and e-mobility. It is having good placement track record and gave thrust towards employability and building innovation culture (diversified research, 70+ patents, & startups).

Now, charting a course toward greater horizons, GVP presents the **Gayatri Vidya Parishad Institute of Higher Learning and Research (GVPIHLR)**, an aspirational undertaking set to redefine educational standards, research frontiers, and seeks to preserve, promote, and propagate traditional Indian education systems within the context of modern technological advancements and pedagogical innovations with a special focus on Medical Technology. Its primary objective is to disseminate knowledge across diverse academic domains, encompassing Arts, Commerce & Management, Science, Engineering & Technology, and Medicine. This mission is driven by a resolute commitment to tailor education to effectively address global challenges while also addressing the intricacies of local issues.

GVPIHLR seeks to be a Deemed to be University that is distinct in its approach to education. Inspired by the ancient Indian tradition of **Chauthur Sashti Kalas** (64 arts) and aligned with the **National Education Policy 2020**, GVPIHLR will integrate STEAMM (Science, Technology, Engineering, Arts, Mathematics, and Medicine) with Humanities and Management. This unique interdisciplinary and transdisciplinary approach aims to cultivate students to **grasp the interconnectedness of knowledge, think integratively, meet the needs of a globalized world, contribute to sustainable development and embrace Indian knowledge systems.**

GVPIHLR aims to provide a broad and interwoven education that prepares students for life, work, and civic engagement. **Its strategic reforms focus on:**

- **Student Centricity:** Implementing a learning outcome-based curriculum, offering interdisciplinary programs, attracting national/international students, and promoting individual learning experiences.
- **Research and Innovation (traditional Knowledge in Modern Context):** Building research capacity, introducing research-intensive programs, establishing research centres, and fostering a global research reputation.
- **Blended Learning:** Integrating technology into pedagogy to enhance the learning experience.

Key Distinctive Features of the Proposed University:

- **Integration of STEAMM with Humanities and Management:** A holistic approach to education that prepares students for diverse careers and lifelong learning.
- **Focus on industry needs and Sustainable Development Goals:** Curriculum developed in collaboration with industry partners and aligned with the global agenda for sustainability. Novel and Engaging Courses are designed (164+ programs) with flexible curricular structures that allow students to explore diverse interests and forge creative combinations of disciplines.
- **New-age skills while promoting Indian Knowledge System:** Equipping students with skills for the future leveraging the age old Indian traditional practices.
- **Investment in infrastructure and resources:** GVPIHLR will provide state-of-the-art facilities and resources to support cutting-edge research and education.
- **Innovation ecosystem:** Cultivating an environment for innovation and entrepreneurship.
- **Attracting and retaining top faculty:** Competitive compensation and support programs will attract and retain high-quality faculty with expertise in interdisciplinary fields.
- **Engaging the community:** GVPIHLR will build strong partnerships with stakeholders, including industry, government, and NGOs, to create a vibrant learning ecosystem.
- **Promoting social equity and inclusion:** GVPIHLR is committed to creating a diverse and inclusive learning environment that fosters respect and understanding.
- **Cultivating a global perspective:** GVPIHLR will offer international exchange programs and collaborations to prepare students for success in a globalized world
- **Promoting Peer Learning Culture and Consolidation of Strengths:** Increase from 12,500 to 28,000 by 2029. Robust capacity building plans can be implemented for regional level impact. Providing optimum learning environment like Multiple Entry/Exit Options/Barrier-Free Education in the context of personalized learning environment which caters to individual needs and learning styles, fosters deeper engagement and knowledge acquisition.
- **Governance:** Structured governance framework ensures transparency and accountability.

Building on a Strong Foundation: The Gayatri Vidya Parishad has a long and successful track record in education, with established institutions in various disciplines. This experience, combined with a clear vision and strategic plan, positions GVPIHLR to become a leading center of interdisciplinary learning and research in the Indian traditional educational context and potential to make a significant contribution to the Indian education landscape.

**CURRENT LIST OF MEMBERS OF GOVERNING BODY OF
GAYATRI VIDYA PARISHAD**

- | | | |
|---|-----|-----------------------|
| 1. Prof. Dr. Ing. P. SRINIVASA RAO, FNAE
[Honoured with Establishment of Prof. P.S. Rao Institute
Chair at IITM, 2020; ICI-L&T Lifetime Achievement
Awardee (2008), ISTE-AP&ST Lifetime Achievement
Awardee (2014), Formerly Dean, Industrial Consultancy
and Sponsored Research; Dean, Academic Courses;
Member, Board of Governors, IITM ; Alexander von
Humboldt Fellow, TU Munich & Karlsruhe DAAD Awards of
Germany] | --- | PRESIDENT |
| 2. Sri D. DAKSHINAMURTHY, M.Sc., B.Ed.
Formerly Principal, A.P. Govt. College, Visakhapatnam. | --- | VICE-PRESIDENT |
| 3. Prof. K.P.R. SASTRY, M.A., Ph. D.
Formerly Professor of Applied Mathematics,
Andhra University, Visakhapatnam. | --- | VICE-PRESIDENT |
| 4. Prof. P. SOMARAJU, M.A., Ph.D.
Formerly Professor of Mathematics,
GITAM College of Engineering, Visakhapatnam. | --- | SECRETARY |
| 5. Sri V.R.K.S. SIVAPRASAD, FCA
Chartered Accountant, Visakhapatnam. | --- | TREASURER |
| 6. Prof. P.V. SARMA, M.A., M.Sc., Ph.D.
Formerly Professor & Head, Department of Economics &
Coordinator, School of Economics,
Andhra University, Visakhapatnam. | --- | MEMBER |
| 7. Prof. V.S.R. Krishna Prasad,
B.Tech., M.Tech., Ph.D., PGDES, FIE, MIChE, FIV Former &
Founder Director of Indian Institute of Petroleum and
Energy (IIPE)
Emeritus Professor, DESAM, Andhra University
Former Chairman, SEAC, AP., MOEF&CC, Govt. of India,
Member, Board of Management, GITAM University. | --- | MEMBER |

- | | | |
|--|------------|-----------------------|
| <p>8. Dr. B. SUBBA RAO, M.S., M.Ch. (Neuro)
 Formerly Professor & Vice-Principal,
 Andhra Medical College & Guntur Medical College,
 Founder Secretary, Indian Instt. of Neuro Surgery,
 Addl. Director of Medical Education, Govt. of A.P. (Rtd.)
 Former Superintendent, MGM Hospital, Warangal.
 Adviser, Aswani Rural Medical College & Hospital, Solapur
 Former Medical Director, MIMS, Vizianagaram,
 Former Member, Academic Senate, Andhra University.</p> | <p>---</p> | <p>MEMBER</p> |
| <p>9. Sri A.S.N. PRASAD, B.E., M.I.E.
 Industrialist, Entrepreneur & Social Worker
 Visakhapatnam [Immediate Past President, GVP]</p> | <p>---</p> | <p>INVITEE</p> |
| <p>10. Prof. P. RAJAGANAPATHI, M.Sc., Ph.D.
 Formerly Principal, A.P. Govt. College, Visakhapatnam.</p> | <p>---</p> | <p>INVITEE</p> |
| <p>11. Sri D.V.S. KAMESWARA RAO, B.E., F.I.E.
 Formerly Vice-President, Gayatri Projects Ltd.
 Visakhapatnam.</p> | <p>---</p> | <p>INVITEE</p> |
| <p>12. Sri K.G.K.V.S.B.S.R.Ch.K. Raju, B.E., PGDCA,
 Executive Engineer, Singareni Colaries, Khammam, TS.</p> | <p>---</p> | <p>INVITEE</p> |

Annexure-2

List of Research outcomes leading to Patents Filed in the Gayatri vidya Parishad Institutions

S.No.	Department	Application No	Name of the Faculty	academic year	Title of the Patent	Date of filing
1	Computer Science and Engineering	202341053751	Dr. H parthasarathi Patra	2023-24	Smart Inter-Transfer Data Drive	8/10/2023
2	Electrical and Electronics Engineering	202341045192	Dr. O.V.S.R.Varaprasad, Dr. Sastry V. Vedula	2023-24	A Novel Current Centric Space Vector Pwm-Based Controller for A 3-Phase Four-Leg Voltage Source Inverter	7/5/2023
3	Electronics and Communication Engineering	18/161, 042	Dr. N. Bala Subrahmanyam, Dr. J. Bhaskara Rao, Dr. Birendra Biswal, Dr. M. V. S. Sairam	2022-23	Multivariable Artificial Intelligence (AI) Based Monitoring System for Early Detection of Glaucoma	1/28/2023
4	Electronics and Communication Engineering	361063-001	Dr. D. B. V. Jagannadham	2021-22	Smart Plant Health Monitoring Devices.	3/21/2022
5	Electronics and Communication Engineering	TEMP/E-1/8286/2018-CHE	Sri. K. R. K. Sastry	2017-18	Internet Enabled Remote Control Device for Air Conditioners	6/3/2018
6	Information Technology	TEMP/E-1/51848/2023-CHE	Dr.B.Jaya Lakshmi, Dr.K.B.Madhuri	2023-24	A System and Method for Electrical Transformer Maintenance	6/7/2023
7	Mechanical Engineering	202341041279	Dr Sanjay K Darvekar	2022-23	A Processing Device for Melting and Extracting Lac and Method Thereof	6/17/2023
8	Mechanical Engineering	202341041281	Dr Sanjay K Darvekar	2022-23	An Automatic Cleaning Device for Mopping Cloths and Method of Operating the Same	6/17/2023

List of Research outcomes leading to Patents Granted in the Gayatri vidya Parishad Institutions

S.No .	Department	Name of the Faculty	Title of the Patent	Patent issuing Country	Patent No. (only granted patents)	Month & Year
1	Civil Engineering	Dr.G. Santhosh Kumar	A Process for Preparing SIFCON and Predicting its Compressive Strength Using Manufactured Sand	Australian Government	2021102641	February, 2022
2	Civil Engineering	Dr.G. Santhosh Kumar	A System and a Method for evaluating Compression Strength of a material	Indian Patent Office	NA	NA
3	Civil Engineering	Dr.G. Santhosh Kumar	A System and a method for Evaluating Compression Strength of a Material	Australian Government	2021102642	October,2021
4	Civil Engineering	Dr.G. Santhosh Kumar	Formulation of Solid Inclusion Complexes of Clopidogrel Bisulphate and their Dissolution Enhancement using Artificial Neural Networks	Australian Government	2021105540	November, 2021
5	Civil Engineering	Dr.G. Santhosh Kumar	A Process For Preparing Slurry Infiltrated Fibre Concrete	Republic of South Africa	2021/04651	August, 2021
6	Computer Science and Engineering	Dr. H parthasarathi Patra	Integrated Wireless Projector And Camcorder	United Kingdom design Patent grant	6299363	August, 2023
7	Computer Science and Engineering	Dr. H parthasarathi Patra	Smart Cordless Menstrual Cramp Belt	United Kingdom design Patent grant	6270256	March, 2023
8	Computer Science and Engineering	Dr. H parthasarathi Patra	Wireless Charging Compact Magnetic Card Reader and POS	Indian Patent Publication and Design	382172-001	March,2023
9	Computer Science and Engineering	Dr.Yarlagadda Anuradha	Image Processing Based Covid-19 Prediction Using Deep Learning	Australian Government	2021106628	November, 2021
10	Computer Science and Engineering	Dr.Yarlagadda Anuradha	System To Spirulina Production Using Intelligent Circuit (System Zur Spirulina-Produktion Mit Intelligenter Schaltung)	German Government	20 2022 101 508	April, 2022
11	Computer Science and Engineering	Dr.Yarlagadda Anuradha	Personal Protective Equipment (Ppe) System With Air Conditioning And Ventilation Facility (System Für Persönliche Schutzausrüstung (Ppe) Mit Klima- Und Lüftungsanlage)	German Government	2.02022E+11	November, 2022

S.No .	Department	Name of the Faculty	Title of the Patent	Patent issuing Country	Patent No. (only granted patents)	Month & Year
12	Computer Science and Engineering	Dr.Yarlagadda Anuradha	Smart Hot Pad Device for Pain Relief Using Microcontroller And Pelier Technology	German Government	2.02023E+11	April, 2023
13	Computer Science and Engineering	K Beulah	Identification of Forest Fire Susceptibility using Gis and Neural Network Approaches	Australian Government	2021106836	November,2021
14	Computer Science and Engineering	K Beulah	University Surveillance and Attendance System using Face Recognition Based on Machine Learning And Internet of Things	Australian Government	2021104568	September, 2021
15	Computer Science and Engineering	K Beulah	Location-Based Live Flood Monitoring System	Australian Government	2021103955	October, 2021
16	Computer Science and Engineering	K Beulah	Smart Cost Effective Flood Pole	Australian Government	2021102016	May, 2021
17	Computer Science and Engineering	K Beulah	Multi-Functional Cost-Effective Smart Pole For Early Flood Detection And Rescue Operations	India	433727	June, 2023
18	Computer Science and Engineering	Dr. R Velumani	Smart Food Storage System	India	372056	July, 2021
19	Computer Science and Engineering	Dr. R Velumani	Pill Promoter And Smart Dispenser	United Kingdom	6299071	August, 2023
20	Electrical and Electronics Engineering	Dr. Sastry V. Vedula	High Gain Non-Isolated Bidirectional Dc-Dc Converter	India	418205	January, 2023
21	Electrical and Electronics Engineering	Dr. Puja Dash	Accident And Accident-Free Landmine Detection System With Artificial Intelligence	Germany	DE 20 2022 105 220 U1	November, 2022
22	Electronics and Communication Engineering	Prof. K. Raja Rajeswari, Mrs. N.Roopu Vathi	A System For Composite Waveform Of (Gaussian And Reyleigh) Distribution For Nlfn Generation And Method Thereof		2023/01840	May, 2023
23	Electronics and Communication Engineering	Dr. U. Aswani	Flexible Solar Photovoltaic (Spv) System And Method Therof	India	320241	September, 2019

S.No	Department	Name of the Faculty	Title of the Patent	Patent issuing Country	Patent No. (only granted patents)	Month & Year
24	Electronics and Communication Engineering	Dr. Ch. Kusma Kumari	Women Safety Hidden Malicious Chip Using Deep Learning And Iot Based Tracking Technology	Australia	2021101242	May, 2021
25	Electronics and Communication Engineering	Dr. B. Keerthi Priya	Intelligent Drug Quality Control Analysis System and Method Based On Machine Learning	Australia	2021105401	August, 2021
26	Electronics and Communication Engineering	Dr. U. Aswani	Electronic Circuit For Speed Measurement of Electric Motors	India	377183	September, 2021
27	Electronics and Communication Engineering	Dr. D. B. V. Jagannadham	Apparatus for medical waste treatment	India	353410-001	January, 2022
28	Electronics and Communication Engineering	Dr. G. Anand Kumar Dr. B. Jagadeesh	E-Fuzzy feature fusion and thresholding for morphology segmentation of brain MRI modalities	Germany	2.02021E+11	Dec-21
29	Electronics and Communication Engineering	Dr. V. Leela Rani	Accident prevention system (APS) designed to prevent accidents at turns on Hill Roads	Germany	2.02023E+11	May, 2023
30	Electronics and Communication Engineering	Dr. V. Leela Rani	An IoT based monitoring system for smart agriculture and method thereof	South Africa	2023/03155	May, 2023
31	Mechanical Engineering	Dr. S. Ramakrishna	Low Noise Fiber reinforced Air Mover	India	444059	August, 2023
32	Mechanical Engineering	Dr Sanjay K Darvekar	A fully automatic dishwasher apparatus and method therefore	Indian Patent Office	383098	November, 2021
33	Physics	Dr. P V Rajeswari	Bacterials Composition for Enhancing Fluorescence	South Africa	2023/03154	May-23
34	Master of Computer Applications	Dr, N. Jayalakshmi	AI Based Plant Extract Analysing Device to Identify Disease	United Kingdom	6292616	July, 2023

List of Research outcomes leading to Patent publications in the Gayatri vidya Parishad Institutions

S.No.	Department	Application No	Name of the Faculty	Title of the Patent	Date of Publication
1	Basic Sciences and Humanities	202241041041A	Dr. K V S Sarma	Fluid Dynamic Melted Aluminium Refinement in A Designed Furnace Through A Mathematical Model	7/29/2022
2	Chemical Engineering	201941042240A	Dr. Jayanti V.Sitarama Murthy, Dr. K.Siva Kumar	Extraction of Azadirachtin and Process Thereof	4/23/2021
3	Chemistry	202141010931	Prof. P. Uma Devi and Dr. A. Kartek Rao	Anticancer Derivatives Of Amide Difluoro Benzodioxole And Their Preparation Method Thereof, Indian Patent. Appli. No: 202141010931	16.9.2022
4	Chemistry	202241033642 A	Dr.U.Sujana Kumari	Method for detection and quantification of target biomolecules	6/17/2022
5	Chemistry	IN202141019538	Dr. B. Santosh Kumar	In silico evaluation and synthesis of novel sulfonamides as promising anti-viral lead molecules docked against anti-covid-19 protein targets: sars-cov-2 main protease	5/7/2021
6	Civil Engineering	202241006293A	Dr.G.Madhuri	Determination of mechanical properties of Alkali Activated Slag Concrete under ambient and heat curing	3/11/2022
7	Civil Engineering	202241006297A	Dr.G.Madhuri	Performance of alkali activated slag concrete against acid sulphate attacks	3/4/2022
8	Civil Engineering	202141029545A	Dr.G. Santhosh Kumar	A Process for preparing SIFCON and predicting its compressive strength using manufactured sand	1/21/2022

S.No.	Department	Application No	Name of the Faculty	Title of the Patent	Date of Publication
9	Civil Engineering	16/905,480	Tatavarti V.S.N. Rao, Ramana Pidaparti & Sanjay Sarma Oruganti	Systems and methods of use thereof for determining aerosol particle sizes'	12/24/2020
10	Computer Science and Engineering	202041053310 A	Dr.N.V.Ramana Murty	Artificial Intelligence Based Human Memory Detection System	12/11/2020
11	Computer Science and Engineering	202341013100	K Purushotham Naidu	Artificial Intelligence Based Tea Quality Classifier	24/03/2023
12	Computer Science and Engineering	202031024135	Dr. D K Bebart	AI Based Method and Apparatus for Stamping Driving Assistance Based Signs on a Road	09/10/2020
13	Computer Science and Engineering	202041010225	Dr. N Sharmili	Reminder Data Segregation System for Smart Wearable Device	13/03/2020
14	Computer Science and Engineering	201641037178	Dr. P Krishna Subbarao	System for Detection of Application Layer Attacks	5/4/2018
15	Computer Science and Engineering	202341020183	Dr. H parthasarathi Patra	Smart and Compact Foldable Storage system	3/31/2023
16	Computer Science and Engineering	201841036882	Dr. R Velumani	A Wheezing Detecting Device	10/12/2018
17	Computer Science and Engineering	201911034024	Dr. R Velumani	IAD-System: Intelligent Accident Detectionion System	9/6/2019

S.No.	Department	Application No	Name of the Faculty	Title of the Patent	Date of Publication
18	Computer Science and Engineering	202241074996	Dr. R Velumani	A Smart System and Method for Remote And Precise Multiaxial Alignments in Vertical Display Mounts	12/30/2022
19	Computer Science and Engineering	202041022270	Dr. SSVR Kumar Addagarla	Fruit Quality Detection Kit: Monitoring Fruit Quality using Red Lightinduced Luminescence Through Iot	12/6/2020
20	Department of MBA	202341026937	Dr.Naveen Chinni	The Contribution of Small Scale and Retail Businesses in the Growth and Development of the Indian Economy	
21	Department of MBA	202341026937	Dr.K.V.Nagaraj	The Contribution of Small Scale And Retail Businesses In the Growth and Development of the Indian Economy	
22	Dept. of Computer Applications	202041041482	P.Ratna Pavani	Providing Quick Rural And Remote Nursing Care For Elderly People Using Location-Based Medical Record System. Application Id:202041041482	
23	Electrical and Electronics Engineering	202041023203	Mrs.K.Harija Rani, Dr. Sastry V. Vedula	Integrated Power Converter Topology With Built in Protection Circuit for Grid Independent, Variable Voltage And Variable Frequency Applications	12/10/2021
24	Electronics and Communication Engineering	202041043966	Dr. S. Krishna Veni	Image Compression In Automatic Contrast Enhancement System With Curve Fittings	16.10.2020
25	Electronics and Communication Engineering	2021104156	Dr.P.A. Nageswar Rao/Dr. S. Krishna Veni	A System Comprising of an Antenna for Ultra-Wide Band (UWB) with Adequate Gain and Bandwidth	9.9.2021
26	Electronics and Communication Engineering	202141038830	Dr.V.Adinarayana	Advanced Metasurface Superstrate Structure for improvement of Antenna Performance	10.09.2021

S.No.	Department	Application No	Name of the Faculty	Title of the Patent	Date of Publication
27	Electronics and Communication Engineering	2021104413	Mr. Ch. Manohar Kumar	Multi-Dimensional Radio Resource Allocation Scheme to Cater the Fluctuations of the Network Situations due to 5G Real Time Dynamic Traffic	19.05.2022
28	Electronics and Communication Engineering	202141043646	Mr. Ch. Manohar Kumar/Dr.P.A. Nageswar Rao/Dr.V.Adinarayana	A Split Rings Supported By Inner Hexagonal Ring Patch Antenna Useful for Wireless Applications	19.11.2021
29	Electronics and Communication Engineering	202241070205	Dr. Ch. Manohar Kumar	Artificial Intelligence And Machine Learning to Secure IoT in Industrial Environment”	30.12.2022
30	Electronics and Communication Engineering	202241072732	Dr. Ch. Manohar Kumar	IoT Based Smart Systems Using ML and AI Vulnerabilities and Intelligentsolutions	30.12.2022
31	Electronics and Communication Engineering	202341026559	Dr. Ch. Manohar Kumar	IoT-Based Photovoltaic Solar Power Generation with Maximum Power Tracking	26.05.2023
32	Electronics and Communication Engineering	202241059871	Prof. K. Raja Rajeswari	A New Figure of Merit for Pulse Compression Radar	18/11/2022
33	Electronics and Communication Engineering	202241006256	Prof. Raj Kumar Goswami	Trellis Coded Modulation System for Improved Bit Error Rate in Fading Channels	11/02/2022
34	Electronics and Communication Engineering	201841006837A	Dr. J. Bhaskara Rao	Automatic Dispensing System	8/30/2019
35	Electronics and Communication Engineering	201841024671A	Dr. J. Bhaskara Rao, Dr. N. Bala Subrahmanyam Prof. Dr. M. V. S.Sairam	A Smart Desk Integrated System	1/3/2020

S.No.	Department	Application No	Name of the Faculty	Title of the Patent	Date of Publication
36	Electronics and Communication Engineering	202041043966A	Dr. T. Vidya vathi	Image Compression in automatic contrast enhancement with curve Fittings	10/16/2020
37	Electronics and Communication Engineering	202041047517A	Dr. P. Aruna Kumari	Software Defined Networking System for the Automation of Network Security	11/6/2020
38	Electronics and Communication Engineering	202041055099	Dr. R. Surya Prakasa Rao	Flexible spacesuit Hand Gloves	12/25/2020
39	Electronics and Communication Engineering	202141013940A	Dr. T. Vidya vathi	SIW Cavity Based Dual Band Electromagnetic Radiator for High Frequency Applications	4/9/2021
40	Electronics and Communication Engineering	202141017552A	Dr. B. Keerthi Priya	Low-cost Automated Antimicrobial Susceptibility System	7/30/2021
41	Electronics and Communication Engineering	202141018335A	Dr. T. Vidya vathi	Artificial Intelligence based Animal Detection and Identification system for Protection of Field Crops	4/30/2021
42	Electronics and Communication Engineering	202141026373A	Dr. B. Keerthi Priya	Novel Internet of Things Based Artificial Intelligence Approach to Health Care Monitoring & Controlled System	7/2/2021
43	Electronics and Communication Engineering	202241028705A	Dr. D. B. V. Jagannadham	Classification of Diseases in Gloriosasuperba Plant using Deep Learning Scheme	6/17/2022
44	Electronics and Communication Engineering	202241030853	Dr. D. B. V. Jagannadham	Image Registration and Recognition of Brain Images Captured using Multiple Modalities for Early Detection	6/3/2022

S.No.	Department	Application No	Name of the Faculty	Title of the Patent	Date of Publication
45	Electronics and Communication Engineering	202141033363	Dr.B. Jagadeesh, Dr. G. Anand Kumar	An Image Separator for Both Letter and Photographic Information and Method Thereof	8/6/2021
46	Electronics and Communication Engineering	202141041399	Dr.B. Jagadeesh, Dr. G. Anand Kumar	An Ultra-Fast Wireless Mobile Charging System for 5G Based Portable Communication Devices	10/1/2021
47	Information Technology	202341025190	Dr. RVV Murali Krishna, Mr. Srinu Bevara	Efficient and Enhancing Hardware Security Systems using Quantum-dot Cellular Automata-based Substitution Boxes (S-boxes)	5/5/2023
48	Information Technology	202241061215	Mr. Srinu Bevara	Optimal Image Segmentation System for Ultra Sound Image Segmentation and Classification	11/18/2022
49	Information Technology	201941027921	YARLAGADDA ANURADHA	Clustering Based on Correlation Fractal Dimension Over an Evolving Data Stream	8/9/2019
50	Mechanical Engg	201721044322	Dr Sanjay K Darvekar	A portable semi-automatic utensil cleaner apparatus and method therefor	6/14/2019
51	Mechanical Engg	201821020912	Dr Sanjay K Darvekar	A solar photovoltaic panel cleaning apparatus	12/6/2019
52	Mechanical Engg	201821031695	Dr Sanjay K Darvekar	Hemispherical frying device	2/28/2022
53	Mechanical Engg	201921014889	Dr Sanjay K Darvekar	Drawning Support Device	6/3/2022

ANNEXURE 3.1: SCHOOL OF ARTS AND HUMANITIES

S.No	Faculty Name	Title	Journal Name	Volume Year	PP
International					
A- English					
1	Dr Ch Alekya	Blended learning Tools and Technologies	Mukt Shabd Journal	[9 (6)] -June-2020	2443-2456
2	Dr Ch Alekya	Blended Learning Approach in English Language Learning	Tathapi	[19, (38)] -June-2020	151-162
3	Dr Ch Alekya	Attitude and Perception of English Language Teachers on Blended Learning Approach	International Journal of Research in Management Studies	[4 (2)] --2018	76-84
4	Dr Ch Alekya	Implementation of Blended Learning Approach in ELT	International Journal of Management, Marketing and HRD	[3 (10)] --2018	55-62
5	Ms S Rajeswari	Identity Crisis: a search of self	Journal of Research in Humanities and Social Science	[] -February-2019	59-62
6	Dr Ch Alekya	An Analysis on Contemporary Issues and Concerns of Scheduled Tribes in Global Frame work	International Journal of Research and Analytical Reviews	[6 (1)] -March-2019	43-47
7	Dr Ch Alekya	Indian Government Initiatives to Strengthen Tribal Education	International Journal of Research and Analytical Reviews	[6(2)] -May-2019	873-879
8	Ms B V Ramani	Alekya, A Narrative of Uttarakhand disaster shaped by Cultural Politics	IOSR Journal of Humanities And Social Science	[24(7)] -July-2019	43-47
9	Dr Ch Alekya	Scope of Blended Learning Approach in English Language Teaching for Secondary Level Students	IOSR Journal of Humanities and Social Science	[24(7)] -July-2019	Nov-15
10	Dr. J. Ravindranath	Lightening Whiteman's burden: Looking at Gaskell's Mary Barton and Dalrymple's The Last MUGHAL	Journal of Literature and Aesthetics	(19) Jan-Jun 2019	
11	Dr.G. Vijaya Lakshmi	Job Satisfaction in Relation to Effective Teaching	Journal of Interdisciplinary Cycle Research	13 (4) May 2021	
12	Dr.G.Vijaya Lakshmi	Significance of Teaching Life Skills and Training in Vocational Education through Conventional Education System - A Brief Study	International Education Research Journal	Jul-22	
13	Dr.G.Vijaya Lakshmi	Financial Empowerment through Vocational Education	International Journal of Academic Research		

B-MHRM					
14	Dr.A.V Jogarao	reservations implementation in private sector - a study of Andhra Pradesh	International Journal Of Commerce And Business Studies	(5) Jun 2023	Pg 01-08
15	Dr.A.V Jogarao	Recruitment policies practice and influences of skill development for employability	International Journal Of Research in Management sciences	(2) June 2023	Pg 01-09
C-Hindi					
16	Dr K.Anitha	karona virus se laud ne ki chunoutiya	International Research Journal	2020	
17	Dr K.Anitha	lok sahitya me vividh aayam	International Educationl reasearch Journal	2022	
National					
A-MHRM					
18	Dr.B.Sivaprasad	"Fostering Culture of Innovation-Key for Competitive Advantage for Corporate."	IASMS Journal of Business Spectrum	(2) July 2019	23-33
19	Dr.B.Sivaprasad	"Work -Life Balance in Organisation-Strategies to deal and Interventions to enhance"	IASMS Journal of Business Spectrum	(4) Jan 2021	35-49
20	Dr.B.Sivaprasad	Diversity and Inclusion-Role of HR Leadership and strategies to infuse into work organisations	IASMS Journal of Business Spectrum	(5) Oct 2022	55-65

ANNEXURE 3.2: SCHOOL OF COMMERCE AND MANAGEMENT								
S.No	Faculty Name	Journal Type	Title	Journal Name	Publisher	Volume Year	PP	Indexing
INTERNATIONAL								
1	Dr. Chandra Sekhar Patro	International	Consumers' Digital Shopping Experience: A Study of the Factors Influencing Purchase Decision	International Journal of E-Business Research	IGI GLOBAL	[19] - February-2023	1-17	Scopus Indexed
2	Dr. Chandra Sekhar Patro	International	Consumers Perceived Value in Internet Shopping - An Empirical Study	International Journal of Customer Relationship Marketing and Management	IGI GLOBAL	[11] -June-2020	17-36	Scopus Indexed
3	Dr. Chandra Sekhar Patro	International	An Evaluation of Employees' Competence towards the Development of a Learning Organization	International Journal of Knowledge Management	IGI GLOBAL	[16] - December-2020	26-41	Scopus Indexed
4	Dr. Chandra Sekhar Patro	International	Indian Tourism Finding Ways to Reach its Potential	International Journal of Asian Business and Information Management	IGI Global	[10] -June-2019	31-54	Scopus Indexed
5	Dr. Chandra Sekhar Patro	International	Paraphernalia's of Entrepreneurship-A Contemplating Outlook	International Journal of E-Entrepreneurship and Innovation	IGI Global	[9] -June-2019	33-60	Scopus Indexed
6	Dr.Narayana Maharana	International	Impact of External Factors on Entrepreneurial Intent of Management Students, A Study to Examine the Mediating Role of Self-Efficacy	SCMS Journal of Indian Management	SCMS Cochin School of Management	[19] -May-2022	66-81	Scopus Indexed
7	Dr. Chandra Sekhar Patro	International	Influence of Perceived Benefits and Risks on Consumers Perceived Value in Online Shopping An Empirical Study	International Journal of Applied Behavioral Economics	IGI Global	[8] - September-2019	12-36	Scopus Indexed
8	Dr. Chandra Sekhar Patro	International	A Pragmatic Study of Employee Perception on Service Quality Management Practices in the Banking Sector	International Journal of Applied Behavioral Economics	IGI GLOBAL	[8] -June-2020	38-56	Scopus Indexed

9	Mr. Chandra Sekhar Patro	International	Predicting Consumers Acceptance of Online Shopping on the Internet- An Empirical Study	International Journal of Cyber Behavior, Psychology and Learning		[1] -June-2018	8	SCOPUS
10	Dr. K.Sudesh Kumar	International	Ecotourism in Andhra Pradesh Promotion and Prospects for sustainable tourism from a service providers perspective	Journal of Pharmaceutical Negative Results	Wolters Kulwer Health	[13] -July-2022	1889-1904	Scopus Indexed
11	Dr. Chandra Sekhar Patro	International	Managing Retention as a strategm for Employee Job Satisfaction and Organizaional Competitiveness in the ITeS Sector	International Journal of Human Capital and Information Technology Professionals	IGI GLOBAL	[13] - August-2022	1-20	Scopus Indexed
12	Dr. Chandra Sekhar Patro	International	Buyer Insight and Satisfaction on E-Store Shopping	International Journal of Cyber Behavior, Psychology and Learning	IGI GLOBAL	[12] - March-2022	1-13	Scopus Indexed
13	Dr. Chandra Sekhar Patro	International	Customer Switching Behavior towards Mobile Number Portability: A Study of Mobile Users in India	International Journal of Cyber Behavior, Psychology and Learning	IGI GLOBAL	[10] - September-2020	31-46	Scopus Indexed
14	Mr. K Bhaskara Rao	International	A conceptual study on women empowerment: comprehensive analysis	Test Engineering and management	The mattingly publishing	[83] - March-2021	27283-27290	Scopus Indexed
15	Mr. K Bhaskara Rao	International	A study on homogenization of the concept, sustainable development in management education in India	International Journal of Management	International Journal of Management	[11] - December-2020	1425-1432	Scopus Indexed
16	Dr. K.Sudesh Kumar	International	INFLUENCE OF CONSUMER TRUST IN ONLINE BUYING BEHAVIOUR AMONG INDIAN CONSUMER	Shodhasamhita: Journal of Fundamental and Comparative Research	Shodhasamhita	[8] -May-2022	1-6	UGC Care
17	Dr Ashok Botta	International	“A Study on Digital Financial Literacy: A precedent for better Financial Literacy and Financial Inclusion with specific reference to north coastal Andhrapradesh.”,	IJFANS International Journal of Food and Nutritional Sciences	Global E Smart Technologies	[11(2)] - OCTOBER-2022	257-273.	UGC CARE-1

18	Dr Ashok Botta	International	“Financial literacy in the digital age: awareness and access”,	IJFANS International Journal of Food and Nutritional Sciences	Global E Smart Technologies	[11(2)] - NOVEMBER-2022	257-273	UGC CARE-1
19	Dr Ashok Botta	International	“Assessment of Financial Literacy and Financial Inclusion among Rural Households: a Case Study of north coastal Andhra Pradesh”	IJFANS International Journal of Food and Nutritional Sciences	Global E Smart Technologies	[11(2)] - NOVEMBER-2022	221-227	UGC CARE-1
20	Dr P V Mohini & Dr.Naveen Chinni	International	Impact of Covid-19 on Personal Financial Planning - An Emperical Study of Different Profession	Central European Management Journal	Central European Manegent Journal	[30 (4)] - SEPTEMBER-2022	-	SCOPUS
21	Dr P V Mohini & Dr.Naveen Chinni	International	Bootstrapping your own startup-a bitter medicine	IOSR Journal of Business and management	IOSR Journal of Business and managem ent	[1 (23)] - April-2021	16-17	IOSR
22	Dr P V Mohini	International	“Big Data Analytics in Banking and Financial Services sector”	IOSR Journal of Business and management		[6 (3)] - March-2021	92-96	-
23	Dr P V Mohini & Dr.Naveen Chinni	International	“Impact of Digitalization of Banks”	EPRA International Journal of Multidisciplinary Research		[7 (3)] - March-2021	187-190	-
24	Dr Rajesh Vemula	International	A study on salesforce attrition in retail sector	IOSR Journal of Business and Management (IOSR-JBM)		[] -June-2021	-	-
25	Dr Rajesh Vemula	International	A STUDY ON E – COMMERCE SERVICES INFLUENCING PURCHASING DECISION: AN EVIDENCE FROM VISAKHAPATNAM CITY	Manager-The British Journal of Administrative Management	-	[58 (150)] - May-2022	-	-

26	Dr Rajesh Vemula	International	SUPPLY CHAIN MANAGEMENT IN INDIAN DAIRY INDUSTRY: A CASE STUDY OF PRAKASAM MILK PRODUCER COMPANY LIMITED (PMPCL), ONGOLE DAIRY, ONGOLE, INDIA	Manager-The British Journal of Administrative Management	NA	[58 (151)] -May-2022	-	-
27	Dr Rajesh Vemula	International	A STUDY ON CONSUMER ATTITUDE TOWARDS FAST MOVING CONSUMER GOODS PRODUCTS	KOREA REVIEW OF INTERNATIONAL STUDIES	NA	[15 (34)] -May-2022	-	-
28	Dr Rajesh Vemula	International	Customer Expectations towards Retail Mix: Model testing and validation W. R. T FMCG Retailing	KOREA REVIEW OF INTERNATIONAL STUDIES	NA	[16 (45)] -April-2023	-	-
29	Dr.G.Surya Prakasa Rao	International	“Impact of global health crises on economic growth and development	Empirical Economics Letters	International Journal	[20] -october-2021	163-172	-
30	Dr.G.Surya Prakasa Rao	International	Emerging Trends in Indian Banking Services - Challenges and Opportunities”,	International Journal of Economics, Business and Management Studies	EPRA	[8] -JULY-2021	74-78	-
31	Dr.G.Surya Prakasa Rao Dr. Raju Paila	International	Prospects of Agriculture Economy with Special reference to Climate Change in India	International Journal of Multidisciplinary Educational Research (IJMER),	IJMER	[6] -June-2021	44929	-
32	Dr.Naveen Chinni	International	Semi-strong form efficiency of Nifty 50 Index: An empirical testing in relation to rights issue announcements	EPRA International Journal of Multidisciplinary Research	EPRA	[5] -NOVEMBER-2019	192-196	-
33	Prof.S.Rajani	International	Women Leader’s Perspective on Leadership Qualities	International Journal of Creative Research Thoughts	NA	[11] -NA-2021	-	UGC
34	Prof.S.Rajani	International	Work Life Balance – An Enigma for women employees in Indian Scenario?	International Journal of Research in Engineering and Science (IJRES)	NA	[10 (4)] -NA-2022	55-60	UGC

43	Dr. Chandra Sekhar Patro	National	A Study on the Growth Insights of MSMEs in the Era of Globalization	NMIMS Management Review	NMIMS	[29] - October-2021	18-42	Scopus Indexed
44	Dr.Narayana Maharana	National	Human Resource Accounting and Financial performance-An empirical investigation into the small-scale industries of Odisha	Orissa Journal of Commerce	All Orissa Commerce Association	[43] - March-2022	80-92	UGC Care
45	Dr. Raju Paila	National	A Study on Opportunities and challenges of adopting Digital Wallet in India.	Our Heritage Journal	Our Heritage	[67 (2)] - December-2019	127-136	-
46	Dr. Raju Paila & Gowrishankar Komma	National	Emerging trends in Indian Banking services – Challenges and Opportunities	EPRA International Journal of Economics, Business and Management studies.	NA	[8 (7)] - July - 2021	-	-
47	Dr. Raju Paila & Gowrishankar Komma	National	The impact of CSR programs on Rural Poor in India	Sardar Patel Institute of Economic and Social Research (anvesak),ISSN:0378-4568	NA	[51 (2)] - July-December-2021	-	-
48	Dr P V Mohini & Dr Ashok Botta	National	“Rethinking Digital Finance On Financial Inclusion And Stability: Evidence From Andhra Pradesh”	Business, Management and Economics Engineering,	Business, Management and Economics Engineering,	[20 (2)] - MARCH-2022	657-673	SCOPUS
49	Dr P V Mohini & Dr Ashok Botta	National	A Study On The Adoption Of Digital Payment Mechanism By Small Retail Stores In Visakhapatnam City,	Journal of Fundamental & Comparative Research,	Kavikulaguru Kalidas Sanskrit University,	[8 (XXXIV)] - MARCH-2022	-	UGC

50	Dr Ashok Botta	National	A Study On The Impact Of Digital Finance On Financial Inclusion,	IJFANS International Journal of Food and Nutritional Sciences	Global E Smart Technologies	[11 (10)] - SEPTEMBER-2022	1380-1388	UGC CARE-1
51	Dr Ashok Botta	National	A Study Of Digital Financial Literacy Among The College Students In Visakhapatnam,	IJFANS International Journal of Food and Nutritional Sciences	Global E Smart Technologies	[11 (11)] - NOVEMBER-2022	1692-1696	UGC CARE-1
52	Dr Ashok Botta	National	Determinants of Digital Financial Services: A review of literature	IJFANS International Journal of Food and Nutritional Sciences	Global E Smart Technologies	[12 (11)] - october-2022	2320-7876.	UGC CARE-1
53							-	-
54	Dr Ashok Botta	National	A study on Digital Financial Transactions performed by citizens of Visakhapatnam city	our heritage journal	our heritage journal	[68] - JANUARY-2020	-	UGC
55	Dr Rajesh Vemula	National	A STUDY ON IMPACT OF ADVERTISING ON CONSUMERS BUYING BEHAVIOR WITH REFERENCE TO SELECTED FMCG	Journal of Contemporary Issues in Business and Government	NA	[28 (4)] - NA-2022	-	-
56	Dr Rajesh Vemula	National	“Towards The Self-Efficacy Of Teachers In Education Sector: A Review Of The Literature”	Central European Management Journal,	NA	[30 (4)] - NA-2022	2154-2160	-
57	Dr Rajesh Vemula	National	“Consumer Awareness And Perception Towards Green Marketing: An Empirical Study In Bangalore City”	Journal of Positive School Psychology,	NA	[6(5)] - NA-2022	4240-4245,	SCOPUS
58	Dr.G.Surya Prakasa Rao Dr. Raju Paila	National	“An Econometric analysis of Engel’s Curve: Study of Consumption Expenditure in Rural Households of North Coastal Districts of Andhra Pradesh	International Journal of Human Capital and Information Technology Professionals		[11] - September-2022	106-111	-

59	Dr.Naveen Chinni	National	A Study on Dynamic relation between crude oil prices and stock market prices in India	Journal of contemporary issues in Business and Government	NA	[28] - October-2022	904-915	-
60	Prof.S.Rajani	National	A Study on Household Financing in India	Journal of Education	NA	[24 (1)] - NA-2022	-	UGC
61	Prof.S.Rajani	National	Challenges in Virtual Workplace Management	IAR Journal of Business Management	NA	[2 (1)] - NA-2021	-	UGC
62	Dr.A.Sairoop	National	Process of Intergration of organisational culture- A Study on Visakhapatnam Post Trust	Journal of Postive School of Psychology	Scopus	[6 (2)] - April-2022	332-348	SCOPUS
63	Dr.A.Sairoop	National	Identificatuion of Factors to be Focused in Training- Application of Grey Relational Analysis	Sambodhi	UGC	[] -NA-2021	71-78	UGC Care-1
64	Prof MSR Seshagiri & Dr.K.V.Nagaraj	National	ECOTOURISM IN ANDHRA PRADESH PROMOTION & PROSPECTS FOR SUSTAINABLE TOURISAM FROM A SERVICE PROVIDERS PERSPECTIVE	Journal of Pharmaceutical Negative Results	Scopus	[] - Septembe r -NA	1889-1904	Scopus
65	Dr.K.V.Nagaraj	National	Online Shopping Preferences Among Various Age Groups: An Empirical Study With Reference To Visakhapatnam City.	Wesleyan Journal of Research	UGC	[] - December -2020	84-88	UGC
66	Dr.K.V.V.Murali Someswara Rao & Dr.K.V.Nagaraj	National	An Empirical Study on Digital Marketing Practices Impact on Shopper Purchase Choices In City of Visakhapatnam.	Sambodhi	UGC	[] -July-2020	90-96	UGC
67	Dr.K.V.V.Murali Someswara Rao & Dr.K.V.Nagaraj	National	A Study on Retail Store Attributes Influence on Consumer Preference of Store Selection in Visakhapatnam City	3D IBA Journal of Management and Leadership	EBSCO	[] - December -2020	82-88	-

68	Dr.K.V.Nagaraj	National	A Conceptual Study on Opportunities and Challenges of Indian Rural Markets in Digital Era	Our Heritage Journal	UGC	[67 (20)] - December -2019	-	UGC
69	Dr.K.V.V.Murali Someswara Rao & Dr. K. V.Nagaraj	National	OVER-THE-TOP (OTT) PLATFORMS: MODERN DAY CONSUMER CHOICE FOR/ OF ENTERTAINMENT - A DESCRIPTIVE STUDY	Kala Sarovar	UGC	[23 (2)] - July-2020	205-212	UGC
70	Dr.A.NookaRaju & Dr. N.V.S Anil Kumar	National	HEALTH INSURANCE SCENARIO IN INDIA – ISSUES AND CHALLENGES A CONCEPTUAL STUDY	Wesleyan Journal of Research	UGC	[13 (4)] - December -2020	133-138	UGC
71	Dr. N.V.S Anil Kumar	National	Digital Transformation Of Banks: Artificial Intelligence As New Progressive Embedded Technology	of the Oriental Institute M.S. University of Baroda	NA	[] -NA-NA	-	-
72	Dr. N.V.S Anil Kumar	National	An Empirical Study On Customer Perception Towards Health Insurance In Visakhapatnam City	GRWS Publications	NA	[] -NA-NA	-	-
73	Prof.M.S.R.Sesha giri	National	QUALITY WORK LIFE AND EMPLOYEES’ SATISFACTION IN POWER SECTOR: A BIBLIOMETRIC REVIEW	Sambodhi	NA	[44 (1)] - March-2021	111	UGC
74	Prof.M.S.R.Sesha giri	National	Mall Management strategies for enhancing the retailer’s satisfaction	International Journal of Innovative research in technology	NA	[6 (12)] - May-2020	346-356	Scopus
75	Dr. N.Vijaya Jyothi	National	Emerging Challenges and opportunities of Fin-Tech Sector	International Journal of Business Management & Allied Sciences	NA	[5] - November-2018	289-293.	-
76	Dr. N.Vijaya Jyothi	National	A Study on “Share Price Movements of Selected Blue-Chip Companies Using Technical Analysis”	SAMBODHI	UGC care listed	[] - SEPTEMBER-NA	-	-
77	Dr. N.Vijaya Jyothi	National	Technology: Pathway towards sustainability	Academy of Marketing Studies Journal	NA	[25 (5)] - May-2021	-	-

78	Dr. N.Vijaya Jyothi	National	A Study on Cooperative Banks in India with Special reference to Marketing strategies	Contemporary Issues in Business and Government	NA	[28 (4)] - may-2022	-	-
79	Dr.D.S.B.Pallavi	National	Problems & Prospects of Women Employees in Public Sector banks with respect to Stress Management	Journal of Emerging Technologies & Innovative Research	UGC care listed	[9 (12)] - December -2022	-	-
80	Dr.D.S.B.Pallavi	National	Significance of Competency Mapping in Service Sectors	Journal of Education Rabindra Bharati University	UGC care listed	[24 (1)] - October- 2022	-	-
81	Gowrishankar Komma	National	Impact of GST implementation on MSMEs -A study with special reference to Bangalore City.	A journal of contemporary Issues in business and government	NA	[28 (4)] - NOVEMBER- 2022	-	-
OTHERS								
82	Dr Ashok Botta	Review Article	A Review Of The Literature On High-Quality Economic Development, Upgrading Of Consumption, And Digital Finance,	IJFANS International Journal of Food and Nutritional Sciences	Global E Smart Technologies	[11 (1)] - JULY- 2022	1380-1388	UGC CARE-1
83	Prof.K.S.Bose	Review Article	Corporate Social Responsibility Activities of Public Sector Units located in and around Visakhapatnam, Andhra Pradesh: A review	Kala Sarovar Journal	NA	[23 (4)] - December -2020	97-102.	UGC
84	Dr Suneetha Rapaka	Conference Proceedings	“Good Recruitment Process Contributes to Happy and Satisfied Employees – A Study with Reference to A Public Enterprise In Visakhapatnam, Andhra Pradesh, India	IBIMA Conference Proceedings (To be published soon) - Accepted for publication	IBIMA	[] -May- 2023	-	-

85	Dr Suneetha Rapaka	Conference Proceedings	An empirical study on awareness and factors influencing consumer purchase behaviour towards non-prescription drugs with reference to Visakhapatnam District , Andhra Pradesh State, India	IBIMA Conference Proceedings	IBIMA	[] -May-2022	2767-9640	-
86	Dr Suneetha Rapaka	Conference Proceedings	A study on emotional intelligence and psychological wellbeing of health care professionals in the wake of 2019	IBIMA Conference Proceedings	IBIMA	[] -April-2021	-	-
87	Dr Suneetha Rapaka	Conference Proceedings	Innovative Oriented Initiatives in Higher Education	THINK INDIA JOURNAL	NA	[] -Nov-2019	-	UGC
88	Dr Rajesh Vemula & Mr.B.Hari Shankar Brahma	Conference Proceedings	"A study on customer perception towards electric vehicles"	international conference on management and entrepreneurial challenges in dynamic business environment hosted by centurion university, vizianagaram	NA	[] -MARCH-2022	-	-
89	Dr. N.V.S Anil Kumar	Peer Reviewed	An Empirical Study On Perception Towards Online Banking Services By Gen X And Gen Y Users At Visakhapatnam	Journal of the Maharaja Sayajirao University of Baroda	NA	[] -NA-NA	-	-
90	Dr. N.V.S Anil Kumar	Peer Reviewed	Green Banking Initiatives: A Special Study On Green Strategies With Reference To State Bank Of India	Wesleyan Journal of Research	NA	[] -NA-NA	-	-
91	Dr Ashok Botta	Peer Reviewed	An Empirical Evaluation on Identification of Frequently Performed Digital Financial Transactions in Visakhapatnam City	International Journal of Psychosocial Rehabilitation,	Hampstead Publisher	[24 (6)] -july-2020	-	scopus
92	Dr. N.V.S Anil Kumar	Peer Reviewed	An Emprical Study On Factors Motivating The Young Generation To Adopt Online Banking Services In Visakhapatnam	Our Heritage Journal	NA	[] -NA-NA	-	-

ANNEXURE 3.3: SCHOOL OF CHEMICAL MECHANICAL AND CIVIL ENGINEERING

S.No	Faculty Name	Title	Journal Name	Publisher	Volume, year	PP	Indexing	I.F
INTERNATIONAL								
A. CHEMICAL								
1	Dr. T. Ajeeth Prabhu	Development of design guidelines using probabilistic framework for the development of smart thickening fluid based ultra resistant adaptive kinematic soft human armor (SURAKSHA)	Reliability Engineering & System Safety	ELSEVIER SCI LTD	[236]-Mar-2023	109277	SCI	7.25
2	Dr. N.N.S.Rao	Enzyme–substrate interactions in orotate-mimetic OPRT inhibitor complexes: a QM/MM analysis	Physical Chemistry Chemical Physics	ROYAL SOC CHEMISTRY	[25]-Dec-2022	3472-3484	SCI	3.68
3	Mrs. S. Padma	N/O-Rich Porous Carbon Adsorbent from Coffee-Residue toward Ni(II) Removal from Surface Water	Journal of Water Chemistry and Technology	SPRINGER	[44]-Jan-2022	241-249	SCI	0.49
4	Dr. T. Ajeeth Prabhu	Rheology and microstructure of discontinuous shear thickening suspensions	Journal of Rheology	SOC RHEOLOGY, SPRINGER	[66]-May-2022	731-747	SCI	4.54
5	Dr. T. Ajeeth Prabhu	Effect of carrier fluid and particle size distribution on the rheology of shear thickening suspensions	Rheologica Acta	SPRINGER	[60]-Jan-2021	107-118	SCI	2.8
6	Mrs. S. Padma	Bio-remediation of hexavalent Chromium from wastewater using bacteria - a green technology	Biodegradation	SPRINGER	[32]-May-2021	449-466	SCI	3.6
7	Dr.B.Sreenivasulu	Effect of spray nozzle-hole diameter on performance of 1 kW PEM fuel cell with honeycomb candle humidifier	Materials Today: Proceedings	ELSEVIER	[27]-May-2020	410-414	Scopus	-
8	Dr. A. Mukherjee	Antifouling paint schemes for green SHIPS	Ocean Engineering	Elsevier	[173]-January-2019		SCI	-
9	Dr.M.S.N. Murty	Mass transfer at the confining wall of a coiled flow inverter	Heat and Mass Transfer	Springer	[55]-January-2019		SCI	-

B.CIVIL								
10	Dr Suryanarayan a	Sustainable groundwater management through an optimal water supply system using a coupled simulation?optimization approach	Environ Monit Assess	Springer	[194]-October-2022	1-27	SCI Indexed	3.307
11	Dr. L. Venkat	Detection of Damage in Bolted Steel Structures Using Vibration Signature Analysis	Journal vibration engineering and Technology	Springer	[107]-March-2022	20-25	SCI Indexed	2.333
12	Dr. Srinivas Manchikanti	Physical & Mechanical properties of construction and demolition waste	Magazine of Civil Engineering	Peter the Great St. Petersburg Polytechnic University	[108]-December-2021	1-9	Scopus Indexed	0
13	Dr. L. Venkat	Damage integrity assessment for beams using structural health monitoring technique	Int. J. Structural Engineering	Inderscience Enterprises Ltd	[11]-August-2021	413-439	Scopus Indexed	0
14	Dr. V. Mahalakshmi Naidu	PEDESTRIAN WALKING SPEED VARIATION WITH GRADIENT OF ROADUNDER MIXED TRAFFIC FLOW CONDITIONS	Suranaree Journal of Science and Technology	Suranaree Journal of Science and Technology	[28]-November-2021	1-7	Scopus Indexed	0
15	Dr. G. Madhuri	Deep CNN-based concrete cracks identification and quantification using image processing techniques	Asian Journal of Civil Engineering	Springer Nature Switzerland AG. Part of Springer Nature	[24]-October-2022	727-740	Scopus Indexed	0
16	Prof. P.Krishnam Raju	A STUDY ON EFFECT OF CONNECTING BEAMS IN A TWIN TOWER STRUCTURE	JOURNAL OF THE INSTITUTION OF ENGINEERS (INDIA): SERIES A	SPRINGER	[101]-December-2020	847-856	Scopus Indexed	0
17	Dr. L. Venkat	Design And Dynamic Analysis of Screen Supporting Structure	STRUCTURAL INTEGRITY AND LIFE	STRUCTURAL INTEGRITY AND LIFE	1]-April-20	207-213	opus Index	0
18	Dr. L. Venkat	Modal Parameter Based Damage Localization in Steel Beams	STRUCTURAL INTEGRITY AND LIFE	Society for Structural Integrity and Life	0]-April-20	37-44	opus Index	0
19	Dr. L. Venkat	STRENGTH AND QUALITY EVALUATION OF CONCRETE ELEMENTS USING NON-DESTRUCTIVE TESTING	Structural Integrity and Life	DIVK, the society for Structural Integrity and Life	-February-	159-168	opus Index	0

20	Dr. G.MADHURI	Performance of alkali-activated slag concrete against sulphuric acid	Asian Journal of Civil Engineering	SPRINGER	[19]-June-2018		SCOPUS	-
21	Mr.Ch.Suryanarayana	Ground water level assessment and prediction using realistic pumping and recharge rates for semi arid coastal regions: a case study of visakhapatnam city, India	Hydrogeology journal	SPRINGER	[27]-February-2019		SCI	-
22	Dr. Ch. Ramesh	Accident hot spot analysis using GIS	Journal of Critical Reviews	JCR	-March-20	714-722	opus Index	5.6
23	Dr. Ch. Ramesh	Evaluation and Analysis of Rainfall Using SCS Curve Number Method	GIS Science	GIS Science	7]-May-20	2217-2223	opus Index	6.1
24	Dr. Ch. Ramesh	Using GIS In Project Management	GIS Science Journal	GIS Science	7]-July-20	623-633	opus Index	6.1
25	Dr. Ch. Ramesh	Navis as Work Monitoring Tool	GIS Science	GIS Science	October-2	1065-1069	opus Index	6.1
26	Dr. Ch. Ramesh	Extended Period Analysis and Simulation of Water Distribution Network	GIS Science	GIS Science	February-2	1350-1355	opus Index	6.1
27	Mr. N. Ramakrishna	STUDIES ON ACID RESISTANCE OF BLENDED CONCRETE	Design Engineering	Design Engineering	02]-July-20	4613-4622	opus Index	1.41
28	Mr. N. Ramakrishna	PERFORMANCE OF GGBS BLENDED CONCRETE MADE WITH SPECIAL CEMENT	NOVIY MIR Research Journal	NOVIY MIR Research Journal	September-	77-86	JGC Jour-1	0.61
29	Mr. N. Ramakrishna	CORROSION RESISTANCE AND PERMEABILITY OF GGBS BLENDED CONCRETE MADE OF OPC 53-S	Compliance Engineering Journal	CEJ	-February-	364-373	JGC Jour-1	6.1
C. MECHANICAL								
30	Mr. A. Shanmukh Sudhir	Effect of vibrator position and frequency on heat transfer enhancement in counter flow concentric pipe heat exchanger	World Journal of Engineering	Emerald Publishing Limited	[17]-August-2020	751-760	Scopus Indexed	0
31	Mr. A. Shanmukh Sudhir	Influence of transverse vibrations on convective heat transfer in parallel flow tube in tube heat exchanger	Heat Transfer	Wiley-Blackwell	[50]-May-2021	1985-2006	Scopus Indexed	0

32	Mr. A. Shanmukh Sudhir	Positive impact of vibration on heat transfer in twisted tape inserted heat exchanger	Journal of Thermal Engineering	Yildiz Technical University Press	[7]-November-2021	1731-1742	Scopus Indexed	0.182
33	Mr. P. Krishna Kiran	Structural and fatigue analysis of car wheel rims with carbon fibre composites	World Journal of Engineering	Emerald	[1]-February-2023		Scopus Indexed	-
34	Mr. V.S.Siddharth	Investigations on the suitability of banana peel powder as an alternative additive in synthetic green sand moulding system	International Journal of Cast Metals Research	taylor francis	[33]-June-2020	06-Jan	SCI Indexed	0.98
35	Mr. Y. Datta Bharadwaz	Optimization of VCR engine parameters using particle swarm optimization-based desirability approach	World Journal of Engineering	Emerald Publishing Limited	[17]-January-2020	153-160	Scopus Indexed	6
36	Mr. Y. Datta Bharadwaz	Emission and Combustion Characterization of Palm Biodiesel-Methanol Blends with Variable Compression Ratio	Indian Journal of Environmental Protection	Kalpan corporation	[39]-September-2019	894-901	Scopus Indexed	17
37	Mr. Y. Datta Bharadwaz	Optimization of injection parameters for ethanol blends of plastic oil in VCR engine using RSM and ANN	World Journal of Engineering	Emerald Publishing Limited	[1]-May-2021	1	Scopus Indexed	0
38	Mr. Y. Datta Bharadwaz	PCCI combustion of low carbon alternative fuels: a review	Journal of Thermal Analysis and Calorimetry	Springer	[0]-March-2023	0	SCI Indexed	4.755
39	Mr.T.S. Vamsi Krishna	Effect of alloying constituents on thermal, microstructural, mechanical and shape memory properties of Cu-Al-Ag shape memory alloys	World Journal of Engineering	Emerald Publishers	[19]-July-2022	743-760	Scopus Indexed	1.196
40	Mr.T.S. Vamsi Krishna	Effect of aluminium on microstructure and shape memory effect in Cu-Al-Ag-Mn shape memory alloys	Australian Journal of Mechanical Engineering	Taylor & Francis Publishers	[20]-July-2022	1206-1216	Scopus Indexed	1.239
41	Ms. V Sireesha	Characterization of flat miniature loop heat pipe using water and methanol at different inclinations	Experimental heat transfer	Taylor and Francis	[34]-August-2020	639-661	SCI Indexed	4.05

42	Ms. V Sireesha	Effect of copper graphene hybrid nanoplatelets in a miniature loop heat pipe	Journal of Thermal Analysis and Calorimetry	Springer	[147]-January-2022	5985-5999	SCI Indexed	4.755
43	Ms. V Sireesha	Effect of low thermal conductivity wick on the performance of compact loop heat pipe	Heat Transfer	Wiley	[52]-May-2023	2715-2742	Scopus Indexed	39
44	Ms. P.P.S.Keerthi	Particle Swarm Optimization for Hole circularity and HAZ in laser micro drilling of Ti6AL4V	Industrial Engineering Journal	Institution of Industrial Engineers	[XVI]-March-2023	360-371	Others Listed By UGC	-
45	Dr. M. Bhaskar Kumar	MODELING AND ANALYSIS OF KNEE AND HIP JOINTS IN HUMAN BEING	International Journal of Medical Engineering and Informatics	Inderscience	[11]-May-2020	1	SCI Indexed	9
46	Dr.Y. Seetharama Rao	Investigation of tribological properties and engine performance of Polyester based bio lubricant : Commercial motorbike engine oil blends	Proceedings of the Institution of Mechanical Engineering,Part D: Journal of Automobile Engineering	SAGE	[234]-April-2019	1304-1317	SCI Indexed	1.275
47	Dr.Y. Seetharama Rao	Fault Diagnosis of a Double row spherical bearing for induction motor using Vibration Monitoring technique	Journal of Failure Analysis and Prevention	Springer	[19]-August-2019	1144-1152	Scopus Indexed	0.3
48	Dr. S. Rama Krishna	Experimental Evaluation of Quantitative Values of Dry Sliding Frictional Coefficients of Material used in Floating Mass Damper System	Jurnal Tribologi	MALAYSIAN TRIBOLOGY SOCIETY (MYTRIBOS)	[23]-December-2019	48-69	Scopus Indexed	1.32
49	Dr. S. Rama Krishna	Vibration and Noise studies on Wind Turbine Generator for Reduction of Vibrations	World journal of engineering	Emerald Publishing	[17]-January-2020	134-143	Scopus Indexed	0
50	Dr. S. Rama Krishna	Performance Investigation of DCT and Tempered Carbide Inserts in Turning of Inconel 718	Defence S and T Technical Bulletin	Science & Technology Research Institute for Defence, Malaysia	[12]-October-2019	202-207	Scopus Indexed	0
51	Dr. S. Rama Krishna	Modeling and Statistical Analysis of Surface Roughness by Taguchi and RSM Techniques In Hard Turning of AISI 52100 Steel With Multilayer Coated Carbide	International Journal of Machining and Machinability of Materials	Inderscience	[21]-August-2019	300-320	Scopus Indexed	0

52	Dr. S. Rama Krishna	Diagnosis and Resolution of Vibration Issues in Vertical Centrifugal Pump	Journal of Failure Analysis and Prevention	Springer	[20]-June-2020	1019-1028	Scopus Indexed	0
53	Dr. S. Rama Krishna	Design and stress analysis of femur bone implant with composite plates	Biomaterials and Biomechanics in Bioengineering	Techno-Press Ltd	[5]-August-2020	37-50	Scopus Indexed	0
54	Dr. S. Rama Krishna	Effect of contact temperature, normal load and dry sliding velocity on the coefficient of friction and wear behavior of nickel based super alloy	World Journal of Engineering	Emerald Publishing Limited	[1]-August-2021	1	Scopus Indexed	1.2
55	Dr. S. Rama Krishna	Experimental Investigation on Crack Localization in Steel and Composite Structures by Intersection of First Three Normalized Mode Shape Curves	Journal of Failure Analysis and Prevention	Springer	[22]-October-2022	1970-1981	Scopus Indexed	1.16
56	Dr. M. AMRITA	Thermal enhancement of graphene dispersed emulsifier cutting fluid with different surfactants.	Materials Research Express	IOP Publishing Ltd	[6]-November-2019	10-Jan	SCI Indexed	1.449
57	Dr. M. AMRITA	Optimisation of cutting parameters for cutting temperature and tool wear in turning AISI4140 under different cooling conditions	Advances in Materials and Processing Technologies	Taylor and Francis	[-]-August-2020	19-Jan	Scopus Indexed	0
58	Dr. M. AMRITA	Quantitative analysis of dispersion, cooling and lubricating properties of graphene dispersed emulsifier oil	Journal of the Brazilian Society of Mechanical Sciences and Engineering volume	Springer	[43]-January-2021	-	SCI Indexed	2.22
59	Dr. M. AMRITA	The Investigation of Machinability and Surface Properties of Aluminium Alloy Matrix Composites	Journal of engineering and technological sciences	ITB Institute for Research and Community Services,	[5]-April-2021	219-241	Scopus Indexed	0.75
60	Dr. M. AMRITA	Mechanical characterization of jute-basalt hybrid composites with graphene as nanofiller	Journal of Mechanical Science and Technology	Springer	[36]-May-2022	07-Jan	SCI Indexed	0
61	Dr. M. AMRITA	Sustainability Evaluation of Machining Ti6Al4V with Graphene Inclusion	INTERNATIONAL JOURNAL OF AUTOMOTIVE AND MECHANICAL ENGINEERING (IJAME)	Penerbit UMP	[19]-June-2022	9647 ? 59	Scopus Indexed	0.29

62	Dr. M. AMRITA	Performance evaluation of graphene added nanofluids and self-lubricating tools in machining Inconel 718	World Journal of Engineering	Emerald Publishing Limited	[19]-October-2021	583-593	Scopus Indexed	0.296
63	Dr. M. AMRITA	Sustainability Analysis of Machining Inconel 718 Using Graphene-Based Nanofluids and Self-Lubricating Tools	Smart and Sustainable Manufacturing Systems	ASTM International,	[5]-October-2021	219-241	Scopus Indexed	0.382
64	Dr. M. AMRITA	Experimental investigation on effect of inclusion of graphene while machining Ti6Al4V	Int. J. Machining and Machinability of Materials	Inderscience	[24]-June-2022	149-164	Scopus Indexed	0.273
65	Dr. M. AMRITA	Influence of MXene, graphene nanoplatelet and multi-walled carbon nanotube on mechanical properties, swelling and flammability behaviour of hybrid sisal/glass fibre reinforced epoxy laminate composi	Materials Research Express	IOP Publishing	[10]-March-2023	-	SCI Indexed	2.025
66	Dr. K.V. VARA LAKSHMI	Design and Numerical Analysis of Rectangular Sonotrode for Ultrasonic Welding	TRENDS IN SCIENCES	TRENDS IN SCIENCES	[19]-August-2022	4215	Scopus Indexed	0.17
67	Dr. K.V. VARA LAKSHMI	Subassembly Detection and Optimal Assembly Sequence Generation through Elephant Search Algorithm	International Journal of Mathematical, Engineering and Management Sciences	IJMEMS	[4]-August-2019	998-1007	Scopus Indexed	0.275
68	Dr. B.Govinda Rao	Characterisation of Diethyl ether Blended Waste Plastic Oil used as a Fuel in Variable Compression Ratio Engine ? An Experimental Study	RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT	world research association	[24]-May-2020	44-51	Scopus Indexed	16
69	Dr. B.Govinda Rao	Effect of Diesel and Ethanol Content in plastic oil on the Performance and Emissions of Diesel Engine	Indian Journal of Environmental Protection	Kalpan corporation	[40]-May-2020	486-492	Scopus Indexed	17
70	Dr. B.Govinda Rao	Effect of pipe rotation on heat transfer to laminar non-Newtonian nanofluid flowing through a pipe: a CFD analysis	Chemical Product and Process Modeling	De Gruyter	[0]-November-2022	0	Scopus Indexed	0
71	Dr. B.Govinda Rao	Effect of vibration on heat transfer to laminar non-Newtonian nanofluid flowing through a circular pipe: A numerical analysis	Numerical Heat Transfer, Part A: Applications	Taylor & Francis	[82]-December-2022	683-699	SCI Indexed	0

72	Dr. Anand Solanki	Two-phase flow condensation heat transfer characteristic of R-600a inside the horizontal smooth and dimpled helical coiled tube in shell type heat exchanger	International Journal of Refrigeration	Elsevier	[107]-July-2019	155164	SCI Indexed	3.461
73	Dr. Anand Solanki	Condensation frictional pressure drop characteristic of R-600a inside the horizontal smooth and dimpled helical coiled tube in shell type heat exchanger	International Journal of Thermal Sciences	Elsevier	[154]-April-2020	106406	SCI Indexed	3.476
74	Dr. Anand Solanki	Numerical Investigation of Heat Transfer and Pressure Drop Characteristics in the Micro-Fin Helically Coiled Tubes	Applied Thermal Engineering	Elsevier	[182]-September-2020	14-Jan	SCI Indexed	5.295
75	Dr. Anand Solanki	Experimental evaluation in the enhancement of Thermal conductivity of Al ₂ O ₃ -pure coconut oil based Nano fluids	Journal of Thermal Science and Engineering Applications	ASME	[13]-September-2020	13-Jan	SCI Indexed	1.45
76	Dr. Anand Solanki	Experimental investigations on viscosity and density of eco-friendly MoS ₂ -sesame oil nano-lubricants and its influence on pumping power	Nanotechnology	IOP Science	[32]-June-2021	19pp	SCI Indexed	3.953
77	Dr. Anand Solanki	Numerical analysis on heat transfer enhancement of Al ₂ O ₃ nanofluid in the flattened conically coiled tubes	Heat transfer	Wiley	[0]-April-2022	27pp	Scopus Indexed	2.3
78	Dr. Anand Solanki	Numerical study on thermal-hydraulic characteristics of flattened microfin tubes	Chem. Prod. Process Model	De Gruyter	[0]-April-2022	18pp	Scopus Indexed	0.81
79	Dr.M.Mohan Jagadeesh Kumar	Thermal performance of a packed bed double pass solar air heater with a latent heat storage	World J. Engineering	Emerald Publishing Limited	[17]-October-2019	203-213	ESCI Indexed (SCOPUS)	0.5
80	Dr.M.Mohan Jagadeesh Kumar	Thermal performance of a double pass solar air heater (SAH) with ribbed absorber surface ? An Experimental Study	World J. Engineering	Emerald Publishing Limited	[17]-February-2020	373-380	ESCI Indexed (SCOPUS)	0.5

81	Dr.M.Mohan Jagadeesh Kumar	Optimization of tube arrangement and phase change material for enhanced performance of solar air heater- a numerical analysis	Journal of Energy Storage	Elsevier	[41]-May-2021	102876	SCI Indexed	6.583
82	Dr.M.Mohan Jagadeesh Kumar	Experimental study on solar air heater with encapsulated phase change material on its absorber plate phase change material on its absorber plate	Energy Storage	Wiley	[]-May-2021		Scopus Indexed	-
83	Dr. Y. MURALI KRISHNA	Fluid Flow and Heat Transfer Studies on a Discretely and Differently Heated Electronic Board	Journal of Engineering Thermophysics	Springer	[29]-February-2020	75-91	SCI Indexed	1.113
84	Dr. Y. MURALI KRISHNA	Comparative studies on performance of plain, perforated, threaded, and threadedâ€“perforated pin fin: A numerical approach	Heat Transfer	Wiley	[52]-January-2023	3333-3352	Scopus Indexed	3.8
85	Dr. SANJAY DARVEKAR	Applications, Manufacturing and Thermal Characteristics of MicroLattice Structures: Current State of the Art	Engineering Journal	Chulalongkorn University, Thailand	[23]-November-2019	419-431	Scopus Indexed	0.23
86	Dr. SANJAY DARVEKAR	Recent advancements of Micro Lattice Structures: Application, Manufacturing Methods, Mechanical Properties, Topologies and Challenges	Arabian Journal for Science and Engineering	Springer Nature	[46]-August-2021	11587â€“116	SCI Indexed	0.36
87	Dr. SANJAY DARVEKAR	Agricultural Irrigation Method Suitable for Indian Farmers	ECS Transactions	ECS	[107]-April-2022	697-708	Scopus Indexed	0.21
88	Dr. SANJAY DARVEKAR	Recent developments on green synthesis of nanomaterials and their application in Dye-sensitized solar cells	International Journal of Ambient Energy	Taylor & Francis	[43]-April-2022	7133-71	Scopus Indexed	0.42
89	Dr. S. Shankar Ganesh	Design optimization of a 2-DOF parallel kinematic machine based on natural frequency	Journal of mechanical science and technology	springer	[34]-February-2020	835-841	SCI Indexed	1.221
90	Dr. S. Shankar Ganesh	Design Optimization of 3-DOF Hybrid Manipulator	ECS Transactions	ECS	[107]-April-2022	663-672	Scopus Indexed	0.21

91	Dr. S. Rama Krishna	DESIGN AND DYNAMIC ANALYSIS OF SCREEN SUPPORTING STRUCTURE	STRUCTURAL INTEGRITY AND LIFE	Society for Structural Integrity and Life	[21]- December-2021	2077213	Scopus Indexed	1.15
92	Dr.B.Govinda Rao	Performance and emissions of a diesel engine using palm oil based biodiesel. An experimental study	The IUP Journal Of Mechanical Engineering	IUP Publications	[11]- August-2018		UGC	-
93	Dr.Sanjay Kumar	Effect of Machining Parameters on Tool Vibration and Surface Roughness of AA6061 with various heat treatments in CNC Milling	International Journal of Research and Analytical Reviews	IJRAR	[5]- September-2018		UGC	-
94	Dr.Sanjay Kumar	Effect of Weld Parameters of Friction Stir Welding on Grain Size and surface Roughness of welded joint of AA8011 and AA6061 aluminium Alloy	Journal of Emerging Technologies and Innovative Reserch	IJPUBLICATION	[5]- October-2018		UGC	-
95	Dr Y.Seetharama Rao	Experimental Investigations on CFRP Cantilever Beams due to Notches close to fixed end	International Journal of Research and Analytical Reviews	IJRAR	[6]- March-2019		UGC	-
96	Dr Y.Seetharama Rao	Experimental Investigations on GFRP Cantilever Beams due to Different Types of Notches closed to Fixed End	Journal of Emerging Technologies and Innovative Reserch	IJPUBLICATION	[5]- September-2018		UGC	-
97	Dr Y.Seetharama Rao	Material Characterization on dissimilar weldments of Aisi 3161/3171 Austenitic Stainless steels with Inconel Alloy	Journal of Scientific and Industrial Research	Journal of Scientific and Industrial Research	[77]- September-2018		SCOPUS	-
98	Dr Y.Seetharama Rao	Experimental Investigation and Fault Diagnosis trough CBM Techniques for antifriction bearing of Millfan	International Journal Of Mechanical and Production Engineering Reserch and Development	Trans Steller	[4]- August-2018		SCOPUS	-
99	Dr.S.Rama Krishna	Experimental and Numerical Investigation of Engine Foundation for Vibration Reduction	Defence Science Journal	DRDO International	[68]- November-2018		SCI	-

100	Dr.S.Rama Krishna	Applicationn of Response surface methodology in evaluating the performance of conventional , wiper,cryogenically treated and coated(TiN,TiAlN and TiCN)carbide inserts in turning of AISI 52100 stee	International Journal of Agile Systems And Management	Inder Science	[11]-October-2018		SCOPUS	-
101	Dr.S.Rama Krishna	Study Of Tribological Behaviour of Ferrous And Non Ferrous Metals By Using Pin On Disc Apparatus	International Journal Of Mechanical and Production Engineering Reserch and Development	Trans Steller	[8]-August-2018		SCOPUS	-
102	Dr.S.Rama Krishna	Effect of MQL on Roughness,White Layer and Microhardness in Hard Turning of AISI 52100	Emerging Materials Research	ICE Publishing	[8]-February-2019		SCI	-
103	Dr.S.Rama Krishna	Performance analysis of cryogenically treated plus tempered carbide inserts in turning of Inconel 718 using cryogenic minimum quantity lubrication cooling technique	Proceedings of the Institution of Mechanical Engineers, Part J, Journal of Engineering Tribology	SEGE Publishor	[223]-April-2019		SCI	-
104	Dr.S.Rama Krishna	Comparisions of Natural Frequencies of AISI 1018 Mild Steel Cantilver Beam Through Analytical, Madal Test, Numerical Method(FEM),And Programming Software Matlab	Journal of Emerging Technologies and Innovative Reserch	IJ Publication	[6]-May-2019		UGC	-
105	Dr.S.Rama Krishna	Design And Analysis of Helical Gear In Slag Port Transfer Car Gear Box	International Journal of Advanced Engineering and Research Development	IJARED	[5]-April-2018		UGC	-
106	Dr.M.Mohan Jagadeesh Kumar	Thermal Performance analysis of artificial roughened solar air heater with ribs: a CFD analysis	Internationl Journal Of Recent Technology and Egeineering	Blues Eyes Intelligent Engineering and Sciences	[7]-April-2019		SCOPUS	-
107	Dr.M.Amrita	Design And Analysis Of Slag Dumping Box Handling System	International Journal of Research and Analytical Reviews	IJRAR	[5]-Novembe r-2018		UGC	-

108	Dr.M.Bhaskar Kumar	Force Evaluation And Stress Distributin at possible weight and structure of Femur Bone In Pelvis Frame While standing	International Journal of Medical Engineering ang Informatics	Inder Science	[10]-July-2018		SCOPUS	-
109	Dr.M.Bhaskar Kumar	Buckling And Failure Analysis of Bones in Hip Joint	Journal Of Mechanics in Medicine and Biology	World Scientific	[18]-July-2018		SCI	-
110	K.ManikyaKanthi	Effect of MIG Welding on Corrosion Behaviour of Mild Steel	Journal of Emerging Technologies and Innovative Reserch	JETIR	[5]-October-2018		UGC	-
111	Ch.Naga Satya Kirti	Multi Objective prcess optimization of wire electrical discharge Machining based on grey Relational Analysis	Journal of Emerging Technologies and Innovative Reserch	JETIR	[5]-Decembe r-2018		UGC	-
112	Ch.Naga Satya Kirti	Multi- Response parametric optimization of Abrasive water JET Machining on INCONEL-601 by using grey relational Analysis	Journal of Emerging Technologies and Innovative Reserch	JETIR	[5]-Decembe r-2018		UGC	-
113	K.Raghavendra	Design and Analysis of Handling and finishing Line rollers	International Journal of Research and Analytical Reviews	IJRAR	[5]-Decembe r-2018		UGC	-
114	K.Raghavendra	Design and Analysis of CAR Bumper by varying materials and speeds	Journal of Emerging Technologies and Innovative Reserch	JETIR	[5]-Novembe r-2018		UGC	-
115	Sri B. Sridhar Reddy	Multi-Objective Optimization of Wire Electrical Discharge Machining of AL 2124/SIC Composite	International Journal of Engineering and Advanced Technology (IJEAT)	Blue Eyes Intelligence Engineering & Sciences Publication	[9]-October-2019	2155-2163	Scopus Indexed (removed from 2019)	0
116	Sri B. Sridhar Reddy	Modeling and Analysis of Machining Parameters and Responses of Wirecut Electric Discharge Machining of Al2124/SiCp Using Response Surface Methodology and Soft Computing Techniques	International Journal of Recent Technology and Engineering (IJRTE)	Blue Eyes Intelligence Engineering & Sciences Publication	[8]-July-2019	5429-5434	Scopus Indexed (removed from 2019)	0

117	Ms. P.P.S.Keerthi	<u>Experimental Analysis Of Hole Characteristics In Laser Micro-drilling Of Nitinol</u> , GIS science Journal	GIS SCIENCE JOURNAL	GIS SCIENCE JOURNAL	[9]- Decembe r-2023	395-406	Scopus Indexed	-
118	Dr.Y. Seetharama Rao	Impact on Mechanical properties of Hybrid Aluminium Metal Matrix composites	International Journal of Engineering and Advanced Technology	ISSN	[8]- August- 2019	1638- 1645	Scopus Indexed	0
119	Dr.Y. Seetharama Rao	An experimental research on vibration evaluation of Laminated hybrid composite	International Journal of Recent Technology and Engineering	ISSN	[8]- Septembe r-2019	3163- 3166	Scopus Indexed	0
120	Dr.Y. Seetharama Rao	Vibration evaluation of Laminated hybrid composite using finite element	International Journal of Recent Technology and Engineering	ISSN	[8]- Septembe r-2019	3171- 3177	Scopus Indexed	0
121	Dr.Y. Seetharama Rao	Optimization of Machining parameters for AISI 316 L and 317 L Austenetic stainless steels using Eco cut wire EDM technique	International Journal of Engineering and Advanced Technology	ISSN	[9]- Decembe r-2019	1950- 1955	Scopus Indexed	0
122	Dr.Y. Seetharama Rao	CFD analysis on vertical axis Wind turbine rotors - Review	International Journal of Emerging Technologies and Innovative Research	ISSN	[7]-May- 2020	261-268	Others Listed By UGC	0
123	Dr.Y. Seetharama Rao	Wear behaviour on hybrid composite material using principal component analysis	Journal of Critical Reviews	ISSN	[7]- August- 2020	2737- 2744	Scopus Indexed	0
124	Dr.Y. Seetharama Rao	Design and Simulation of flexural stresses of PM Composite beam	International Journal of Mechanical and Production Engineering Research and development	ISSN	[10]-June- 2020	5835- 5842	Scopus Indexed	0
125	Dr.Y. Seetharama Rao	Aerodynamic analysis of fairings for bicycles	International Journal of Innovative Research in Technology	ISSN	[8]- Septembe r-2021	424-429	Others Listed By UGC	0
126	Dr.Y. Seetharama Rao	Effect of tool geometry and its parameters of Friction stir welding on Aluminium alloys	International Journal of Innovative Research in Technology	ISSN	[8]-May- 2022	1008- 1011	Others Listed By UGC	0
127	Dr.Y. Seetharama Rao	Experimental Investigation on flax fiber,kenaf fiber hybrid laminated composites	International Journal of Innovative Research in Technology	ISSN	[8]- February- 2022	375-378	Others Listed By UGC	0

128	Dr. M. AMRITA	Optimization of Roller Burnishing Process for Improved Surface Finish, Electrical Conductivity and Grain Area for Al6061 Alloy	International Journal of Recent Technology and Engineering	IJRTE	[8]-November-2019	442-452	Scopus Indexed	0
129	Dr. K.V. VARA LAKSHMI	Sensitivity Analysis and Comparison of 3-RRR Manipulators with Additional Branches	International Journal of Advanced Science and Technology	Science and Engineering Research Support Society	[29]-March-2020	4493-4501	Scopus Indexed	0.11
NATIONAL								
A. CIVIL								
130	Dr. G. Papa Rao	Challenges- Sustainability and Solutions for Constituent Materials for Structural Concrete	The Indian Concrete Journal	ACC Limited, Thane	[94]-December-2020	38-43	Scopus Indexed	0.27
131	Dr.G. Papa Rao	Influence of stirrup leg spacing across beam width on shear strength of wide beams	The Indian Concrete Journal	A C C Limited, Thane, Maharashtra	[94]-March-2020	64-70	Scopus Indexed	0.27
132	Dr. G. Papa Rao	Reinforced concrete wide beams under normal and high shear loading	Journal of Structural Engineering	CSIR-SERC, Chennai.	[48]-January-2022	329-337	Scopus Indexed	0.222
133	Dr. G. Papa Rao	Shear Resistance of Concrete Contribution in RC beams under flexure and shear	Asian Journal of Civil Engineering	Springer Nature Switzerland AG. Part of Springer Nature	[24]-October-2022	727-740	Scopus Indexed	0
134	Dr.L.Venkat	Parametric study on Seismic behavior of slab column junctions in flat slab system subjected to punching Shear	Journal of Structural Engineering	CSIR-SERC CHENNAI	[45]-july-2018		SCOPUS	-
135	Ms. P.P.S.Keerthi	Laser Micro Machining-A review	JETIR	Journal of Emerging Technologies and Innovative Research	[8]-July-2020	D253-D259	UGC-tier	7.95
OTHERS								
A.CIVIL								
136	A .Satya Sunitha & J Renuka	Effect of Bagasse ash on Mechanical properties of M 40 grade concrete	GIS SCIENCE JOURNAL	Wichmann Verlag	[8 (4)]-april - 2021	405-411	SCOPUS	0.13
137	A. Satya Sunitha	Dynamic analysis of concrete dam considering dam foundation and its interaction effects- a review	Journal for basic sciences	UGC	[23 (4)]-april-2023	518-527	UGC	6.1

138	Dr .B. Vidya	Effect of thermal cycles on compressive strength on high strength concrete and normal strength concrete	Indian Concrete Journal	Scientific Publishers	[93 (6)]-june-2019	8-17	SCOPUS	0.219
139	Dr .B. Vidya	A review of bamboo's mechanical performance as a replacement for reinforcement in concrete structures	Journal for basic sciences	UGC	[23 (4)]-april-2023	417-484	UGC	6.1
140	Dr. B. Vidya	Effect of thermal cycles on concrete: An overview	International Journal for Research in Engineering Application and Management	UGC	[5 (3)]-june - 2019	41791	UGC	7.427
141	Dr. B. Vidya	Utilization of PVC Waste as a Partial Replacement in Concrete-An overview	International Journal of Research and Analytical Reviews (IJRAR)	UGC	[7 (3)]-July-2020	212-215	UGC	-
142	Dr. B. Vidya	Tensile behaviour of high strength (M 90) and normal strength concrete (M 30) subjected to thermal cycles	GIS SCIENCE JOURNAL	Wichmann Verlag	[8 (3)]-march-2021	52-64.	SCOPUS	0.148
143	Dr. B. Vidya	Investigation on mechanical properties of high strength concrete (109 MPa) with micro silica	PENSEE	SCOPUS	[51 (3)]-march-2021	121-132	SCOPUS	0.07
144	Dr. B. Vidya	A Study on thermo-mechanical behavior of concrete subjected to thermal cycles	Indian concrete Journal	Scientific Publishers	[NA]-march-2022	NA	Scopus	0.219
145	Dr. B. Vidya	Mechanical properties of Binary blended concrete using quarry dust as a partial replacement with sand	YMER	SCOPUS	[22 (7)]-july-2023	1021-1035	SCOPUS	5.7
146	Dr. B. Vidya	Mechanical properties of binary blended concrete using quarry dust as a partial replacement with sand- a review	Journal for basic sciences	UGC	[23 (4)]-april-2023	138-149	UGC	6.1
147	Dr. B. Vidya	Analysis of floating house by using ANSYS: platform material comparison of expanded polystyrene and polyvinyl chloride pipe	I-manager's Journal on Civil Engineering	UGC APPROVED	[12 (2)]-March-2022	NA	UGC APPROVED	0.897

148	Dr. D. Manasa	Design of two-way orthotropic rectangular slabs with longer side interior corner opening using modified affine theorem	Design Engineering (Toronto)	Scopus	[6]-june-2021	4451-4466	Scopus	-
149	Dr. D. Manasa	Analysis & design of high-rise building by using of shear wall at different positions in Etabs software	GIS science journal	Wichmann Verlag	[10 (4)]-april-2023	853-874	SCOPUS	-
150	Dr. D. Manasa	A review of bamboo's mechanical performance as a replacement for reinforcement in concrete structures	Journal for basic sciences	SCOPUS	[23 (4)]-april-2023	417-484	SCOPUS	-
151	Dr. D.Manasa	Analysis and Design of High Raised Building for Different Seismic Zones by Using ETABS Software	YMER	SCOPUS	[22 (7)]-july-2023	190-203	SCOPUS	5.7
152	Dr. D.Manasa	Study of Soil-Cement Bricks Using Local Clay Soil	IRJMST	UGC	[14 (6)]-july-2023	221-229	SCOPUS	-
153	Dr. P. Jyotsna Devi	A study on mechanical properties of concrete by partial replacement of cement with hospital waste ash – a review	IOP Publishing	SCOPUS	[ACCEPTED]-accepted-accepted	NA	SCOPUS	7.343
154	Dr. P. Jyotsna Devi, P. Gouthami patnaik, P.Manikanta & K. Gowtham Kumar	Partial replacement of fine aggregate with quarry dust in concrete	International Journal of research and analytical reviews	UGC	[6 (2)]-june - 2019	667-673	UGC	-
155	Dr. P. Jyostna Devi & G. Sravani	Performance of Hospital Waste Ash as Partial Replacement to Cement in Concrete	GIS SCIENCE JOURNAL	Wichmann Verlag	[5 (4)]-April-2021	NA	SCOPUS	0.13

156	Dr. P. Jyotsna devi, P. Manikanta & G.V.S. Siva Prasad	Seismic Response Analysis of Symmetrical and Asymmetrical High Rise Structures in Seismic Zone II	IJERA, International journal of engineering research and applications	International (UGC approved)	[10]-october-2020	36-49	UGC	5.85
157	Dr. P. Jyotsna devi	Effect of seawater on the compressive strength of steel fiber reinforced concrete	International research journal of engineering and technology	scopus	[9 (5)]-may-2022	463 -470	SCOPUS	8.266
158	Dr. P .Jyotsna Devi & G.Sravani	Effect of Percentage of Silicon Manganese Slag on Maximum Dry Density and CBR Values in Black Cotton Soils	YMER	SCOPUS	[22 (4)]-April-2023	NA	SCOPUS	5.7
159	G V S Siva Prasad	A Study on characteristics of black cotton soil by stabilizing with flyash	International Journal of research and analytical reviews	UGC	[6 (2)]-june -2019	745-750	UGC	-
160	J Renuka, P. Manikanta& K.Gowtham Kumar	Study on the effect of Permeability and Void Ratio with Varying Water Cement Ratios with Replacement of Cement with Silica Fume	PENSEE	Scopus	[51 (7)]-july -2021	168-174	Scopus	-
161	J. Renuka & K. Gowtham kumar	Effect of mix proportions on compressive strength and permeability of pervious concrete	International research journal of Engineering and Technology (IRJET)	NA	[7 (3)]-March-2020	183-187	-	8.266
162	J.Renuka,	Experimental and analytical analysis of geo polymer concrete using ANSYS software	GIS science journal	Wichmann Verlag	[10 (4)]-April-2023	1487-1496	SCOPUS	0.13
163	K Gowtham Kumar &P. Padmanabha Reddy	A Study on characteristics of black cotton soil by stabilizing with flyash	International Journal of research and analytical reviews	UGC	[6 (2)]-june -2019	745-750	UGC	-
164	P. Lakshman Rao	Experimental and numerical analysis of velocity distribution in a compound meandering channel with double layered rigid vegetated flood plain	Flow Measurement and Instrumentation	Elsver	[83]-NA-2022	102-111	Science Citation Index Expanded	-

165	P. Lakshman Rao	Effect of roughness on velocity distribution in diverging compound channels using experimental and numerical approaches	Arabian Journal of Geosciences	SCOPUS	[NA]-february-2023	44939	SCOPUS	-
166	P. Manikanta	Comparative study of multi storied building with and without shear wall between Mid-rise and High rise building by using STAAD.Pro	International research journal of engineering and technology	NA	[9 (4)]-Aril - 2022	2442 – 2448	-	-
167	P. Manikanta,	An experimental investigation of strength parameters of glass fiber using m30 concrete	International Research Journal of Engineering and Technology (IRJET)	UGC APPROVED	[10 (3)]-march-2023	503-507	UGC APPROVED	8.266
168	P. Padmanabha Reddy	Effect and Behaviour of Pre-Engineered Building with Different Moment Resisting Frames	IJITEE, International journal of innovative technology and exploring engineering	SCOPUS	[9 (4)]-february-2020	2222-2229	SCOPUS	-
169	P. Padmanabha Reddy	A study on the effect of water content on strength and compressibility characteristics of marine clays	IJITEE, International journal of innovative technology and exploring engineering	SCOPUS	[NA]-NA-2020	41944	SCOPUS	-
170	P. Pallavi	Self-curing concrete	International Research Journal of Engineering and Technology (IRJET)	UGC	[10 (3)]-march-2023	1268-1271	UGC APPROVED	8.266
171	P. Sesha Ratnam	Structural Classification of Basalt FRP at High Temperatures	Advances in Material Science and Engineering	Scopus	[NA]-NA-2021	NA	Scopus	-
172	P. Vijaya Lakshmi Kanthi	Utilization of waste plastic in flexible pavements	International Research Journal of Engineering and Technology (IRJET)	UGC APPROVED	[10 (3)]-march-2023	512-522	UGC APPROVED	8.266
173	P. Vijaya Lakshmi Kanthi,	Road crush zone identification and remedial measures using GIS	Innovative Infrastructure solutions	Springer Nature/SCOPUS	[NA]-april - 2023	44946	Scopus	0.512
174	Vijaya L Pusuluri	Geometric design improvements for congestion relief	PENSEE	SCOPUS	[51 (1)]-october-2021	1265-1272	SCOPUS	-
175	Dr.D.Manasa & Dr. B. Vidya	Design and Analysis of Floating house: A Review	Journal of Engineering, Computing and Architecture	UGC	[12 (4)]-April - 2022	308-320.	UGC	-

176	J Renuka	Performance of Slurry Infiltrated Fibrous concrete- A Comprehensive Review	Journal of Engineering Science & Technology Review (JESTR)	Scopus	[14 (5)]-may - 2021	, 163-172	Scopus	-
177	J.Renuka	A literature review on behavior of GFRP as a structural member in transmission line towers	Journal of Engineering, Computing & Architecture	NA	[12 (5)]-may- 2022	72-79	-	-
178	P. Manikanta,	A review of the experimental investigation of the effect of fiber reinforcement on strength characteristics of m30 grade of cement	International Research Journal of Engineering and Technology (IRJET)	UGC APPROVED	[10 (3)]-march- 2023	1256-1262	UGC APPROVED	8.266
179	P. Sesha Ratnam	Stimulation of blast effect on multi storied building using ANSYS- A Review	International research journal of engineering and technology	scopus	[9 (5)]-may- 2022	50 -55	SCOPUS	8.266
180	Dr. B. Vidya	Thermo- mechanical behavior of standard and high strength concrete subjected to thermal cycles	1st online International conference on recent Advances in computational and experimental, IIT kharagpur	conference paper	[NA]-sep- 2020	NA	-	-
181	Dr. P. Jyotsna devi &G.V.S. Siva Prasad	Micro structure of concrete exposed to high temperature- A Review	Proceedings of first international conference on sustainable innovative trends in civil Enngineering	conference paper	[NA]-feb- 2021	128-136	-	-
182	P. Lakshman Rao	Effect of Roughness on Apparent shear forces in Non- Prismatic Diverging channel	4th International conference on the status and future of the world's large rivers	conference paper	[NA]-August- 2022	NA	-	-
B.MECHANICAL								
183	Ch. Murali & R. Siddhardha	An Experimental Investigation towards Optimizing the Geometry and Material of Vortex Tube	Journal of Thermal Engineering and Applications	STM Journals	[6 (2)]--- 2019	-	UGC	6.082
184	Dr. K. G. Durga Prasad & Dr. Ch. Himagireesh	Study of Mechanical Properties and EMI Shielding Behaviour of Al6061 Hybrid Metal Matrix Composites	International Journal of Surface Engineering and Interdisciplinary Materials Science	IGI Global	[7(2)]--- 2019	48-63	Scopus	0.59

185	Dr. K. G. Durga Prasad, Dr. Ch. Himagireesh & P. Krishna Murthy	Conceptual Design of Ergonomic Food Truck using QFD-GRA-DSM Hybrid Methodology – A Case Study	International Journal of Industrial and Systems Engineering	Inderscience Enterprises Ltd.	[40 (2)]-SEPT-2021	255 - 275	Scopus	0.277
186	Dr. Ch. Himagireesh	"Selection of Optimum Hybrid Composite Material For Structural Applications Through TOPSIS Technique"	"International Journal of Surface Engineering and Interdisciplinary Materials Science (IJSEIMS)"	IGI Global Publishing	[10(1)]-NA-2022	44941	Scopus	0.59
187	Dr. Ch. Himagireesh	Selection of dream-11 players in T20 cricket by using TOPSIS method	Management Science Letters	GROWING SCIENCE	[13(4)]-june-2023	257-264	UGC	-
188	Dr. K. G. Durga Prasad, Dr. Ch. Himagireesh, & P. Krishna Murthy	Mechanical Characterization and Selection of Polyamide Nano-Composites Subjected to Sea water Environment in Marine Applications	Journal of The Institution of Engineers (India): Series C	Springer	[102(1)]-MARCH-2021	723–729	Scopus	0.349
189	Dr. Munmun Bhaumik	Effect of untreated and deep cryotreated tungsten carbide electrodes on PMEDM performance of AISI 304 stainless steel	International Journal of Materials and Product Technology	Inderscience Enterprises Ltd.	[62 (4)]-JUNE-2021	221-236	Scopus	0.62
190	Dr. Munmun Bhaumik	Surface Improvement of AISI D3 Steel Employing Sic Blended Dielectric in Electric Die Sinking Process	International Journal of Modern Manufacturing Technologies	Modtech publishing	[14(1)]----2022	75-80	Scopus	0.277
191	Dr. Munmun Bhaumik	Effect of Powder Concentration on The EDM Performance of AISI 304 Using Cryotreated Post Tempered Electrodes	Engineering Review	University of Rijeka	[42 (1)]-NA-2022	77-87	Scopus	0.56

192	Dr.K.sanatha	Influence of ZnO nanoparticles and dispersant in Baheda oil biodiesel blend on the assessment of performance, combustion, and emissions of VCR diesel engine	Applied Nanoscience	springer nature	[11(13)]-JULY-2021	44932	web of sciences	3.869
193	Dr.K.sanatha	Prediction of vibration and noise parameters of VCR-CI engine fueled with dispesant ZnO nanoparticles blended Baheda oil using RSM .	AIP Proceedings	American Institute of Physics	[2745 (1)]-july-2023	44932	Scopus	0.189
194	N.Sarada Purnima	Simultaneous Optimization of Machine And Tool Parameters For EDM Using WC/Co P/M Electrode Made With Micron And Nano Sized particles	Metallurgical and materials Engineering	Association of Metallurgical Engineers of Serbia	[27 (3)]---2020	331-50.	Scopus	0.89
195	Nadimpalli Sarada Purnima	Influence of WC/Co powder metallurgy electrodes made by micron and nano particles on EDM performance	Metal Powder Report	MA Healthcare Ltd	[76 (6)]-NA-2021	52-58	Scopus	1.21
196	R. Siddhardha	Neuro-genetic optimization of ribbed heat exchanger using entropy augmentation generation number	archives of thermodynamics	Polish Academy of Sciences, Committee on Thermodynamics and Combustion	[41 (2)]---2020	169-184	Scopus	0.22
197	Dr. K. G. Durga Prasad & Dr. Ch. Himagireesh	Prioritization Of E-Waste Management Strategies Towards Green Computing Using AHP-QFD Approach	Proceedings on Engineering Sciences	Faculty of Engineering, University of Kragujevac	[3 (1)]---2021	33-40	Scopus	0.13

198	Dr. K. G. Durga Prasad, Dr. Ch. Himagireesh, P. Krishna Murthy & Smt.TAJ	Cryogenic heat treatment process for D2 steel & M2 steel	AIP Proceedings	AIP Publishers	[2269 (1)- OCTOBE R-2020	44933	UGC	0.189
199	P. Krishna Murthy & M.V.Prasad	Prioritization Of E-Waste Management Strategies Towards Green Computing Using AHP-QFD Approach	Proceedings on Engineering Sciences	Faculty of Engineering, University of Kragujevac	[3 (1)]--- 2021	33-40	Scopus	0.13

ANNEXURE 3.4: SCHOOL OF COMPUTER AND MEDICAL TECHNOLOGY

S.No	Faculty Name	Journal Type	Title	Journal Name	Publisher	Volume	PP	Indexing
OTHERS								
1	Dr N. V. RamanaMurty	Conference Proceedings	Pancreatic Cancer Stage Detection using Hybrid Neuro-Fuzzy System	Proceedings of 33rd Indian Engineering Congress-2018	-	(3), December2018	74-76	-
2	Dr.N.V.Ramana Murty	Conference Proceedings	Predicting Heart Diseases using Logistic Regression	Proceedings of the Conference in Scopus is under printing phase	Scopus	Jul-23	-	Scopus
3	Dr.G R S MURTHY	Conference Proceedings	KIDNEY STONE DETECTION FROM ULTRASOUND USING IMAGE PROCESSING	Proceedings of the Conference in Scopus is under printing phase	scopus	2023	--	scopus

ANNEXURE 3.5: SCHOOL OF COMPUTER SCIENCE AND ENGINEERING							
S.No	Faculty Name	Journal Type	Title	Journal Name	Volume Year	PP	Indexing
INTERNATIONAL							
1	N V S Lakshmipathi Raju	International	A provably secure sharding based blockchain smart contract centric hierarchical group key agreement for large wireless ad-hoc networks	Concurrency and Computation: Practice and Experience	[34]-August-2021	1-14	SCI Indexed
2	N V S Lakshmipathi Raju	International	Dynamic distributed kci-slice data publishing model with multiple sensitive attributes	Concurrency and Computation: Practice and Experience	[34]-September-2022	1-25'	SCI Indexed
3	Chalumuri Avinash	International	A hybrid classical-quantum approach for multi-class classification	Springer Nature Quantum Information Processing	[20]-March-2021	1-18'	SCI Indexed
4	Chalumuri Avinash	International	Quantum-enhanced deep neural network architectuer for image scene classification	Springer Nature Quantum Information Processing	[20]-November-2021	1-21'	SCI Indexed
5	Chalumuri Avinash	International	Quantum Processing in Fusion of SAR and Optical Images for Deep Learning: A Data-Centric Approach	IEEE Access	[10]-July-2022	1-13	SCI Indexed
6	K.Beulah	International	Neural fuzzy system design in forest fire detection	Journal of Microsystem Technologies	[29]-June-2023	1-13'	SCIE Indexed
7	K.Beulah	International	Geospatial study on Forest Fire Disasters- A GIS Approach	Ecological Engineering and Environmental Technology	[24]-November-2022	302-311	Scopus Indexed
8	P.Aravind	International	Multi-Objective Controller Failure Aware Capacitated Controller Placement in Software-Defined Networks	Journal of Interconnection Networks	[22]-December-2022	1-15	Scopus Indexed
9	P.Aravind	International	Simulated annealing based optimal controller placement in software defined networks with capacity constraint and failure awareness	Journal of King Saud University-Computer and Information Sciences	[34]-September-2022	5721-5733	SCI Indexed
10	M.Rithvik ,Dr.K.Narasimha Raju and B.Ajay Ram	International	A Novel Game-Based Approach for Computer Networks	Journal of Engineering Education Transformations	[36]-January-2023	313-318	Scopus
11	Dr.G.Satya Keerthi	International	An approach for bibliographic citation sentiment analysis using deep learning	International Journal of Knowledge-Based and Intelligent Engineering Systems	[24]-January-2021	353-362	ESCI Indexed

12	Dr Y Anuradha	International	Convolutional Neural Network with Subnet Loss Function for the Prediction of Seizures in EEG signal	International Journal of Intelligent Engineering and Systems	[15]-January-2022	126-134	Scopus Indexed
13	Dr Y Anuradha	International	Evaluation of Descriptive Exam Answer Scripts using Word Mover's Distance	Journal of Scientific & Industrial Research	[81]-October-2022	76-83	SCI
14	Dr Y Anuradha	International	A Novel Blockchain Approach for Improving the Security and Reliability of Wireless Sensor Networks Using Jellyfish Search Optimizer	Electronics	[11]-October-2022	1-23	SCI
15	R Velumani	International	Image Driven Multi Feature Plant Management with FDE Based Smart Agriculture with Improved Security in Wireless Sensor Networks	Wireless personal Communications	[127]-November-2022	1647–1663	SCIE
16	G V HINDUMATHI	International	The Hybrid Combinatorial Design based session key distribution method for IoT networks	International Journal of Advanced Computer Science and Applications (IJCSA)	[13]-December-2022	384-393	Scopus Indexed
17	N.V.S. Lakshmipathi Raju	International	An enhanced dynamic KC-slice model for privacy preserving data publishing with multiple sensitive attributes by inducing sensitivity	Journal of King Saud University- Computer and Information Sciences	[doi:10.1016/j.jksuci.2018.09.013]-September-2018		SCOPUS
18	Dr. Ashish Kumar Dwivedi	International	Applying learning - based methods for recognizing design patterns	Innovations in Systems and Software Engineering	[doi: 1001007/s11334-01-00329-3]-February-2019		SCOPUS
19	Dr.R. Velumani	International	Collaborative Mutual Sharing Spectrum Model for Energy Harvesting in Wireless Sensor Network Supported by Cognitive Sensor Networks	Caribbean Journal of Science	[53]-May-Aug-2019		SCI
20	Dr.R. Velumani	International	Prudent Automatic Falls Detection by Analyzing the Carrier State Information Signal using Wi-Fi Devices	Journal of Testing and Evaluation	[doi:10.1520/JTE20170433]-July-2018		SCI

21	Dr.R. Velumani	International	IoT based Prudent Automatic Falls Detection for Elders by Analyzing Carrier State Information(CSI) Employing Wi-Fi Devices	Wireless Personal Communications	[doi:10.1007/s11277-01-06168-6]-March-2019		SCI
22	MPJ Santosh Kumar	International	Security Providence for Batch Verification Scheme in VANET by using Public Key Infrastructure Framework	International Journal of Research and Analytical Reviews	[6]-Jan-Mar-2019		UGC
23	P. Sanoop Kumar	International	Scene Text Extraction using Stroke Width Transform	International Journal of Computer Sciences and Engineering	[6]-June-2018		UGC
24	M.S.N. Murthy	International	Ciphertext-Policy Attribute -Based Encryption over Encrypted Data in Cloud Computing	International Journal of Research	[7]-September-2018		UGC
25	Chalumuri Avinash	International	Quantum–Classical Image Processing for Scene Classification	IEEE Sensors Letters	[1]-May-2022		SCI Indexed (it is ESCI)
26	Chalumuri Avinash	International	Quantum Approach to Image Data Encoding and Compression	IEEE Sensors Letters	[1]-February-2023		SCI Indexed (it is ESCI)
27	R. Seeta Sireesha	International	AN IN-DEPTH STUDY FOR APPLICATION OF FUZZY LOGIC IN BETTER UNDERSTANDING OF CRIMINAL PSYCHOLOGY	GRADIVA REVIEW JOURNAL	[6]-June-2022		Scopus Indexed
28	R. Seeta Sireesha	International	FLCMCCP - Fuzzy Logic Classification Model for categorization of Criminal Psychology	Journal For Basic Sciences	[4]-April-2023		Scopus Indexed
29	Dr. D. Uma Devi	International	Comparative Analysis Of Supervised Machine Learning Algorithms For Prediction Of Orthopedic Disease	Webology-OpenAccess	[6]-November-2021		Scopus Indexed
30	Dr. D. Uma Devi	International	Artificial Intelligence based Credit Card Fraud Identification using Fusion Method	International Journal of Recent Technology and Engineering	[4]-November-2019		Scopus Indexed

31	Dr. H Parthasarathi Patra	International	Analyse k-means algorithm and implementing a new clustering Algorithm	Int. J. Computational Systems Engineering	[4]-44197-2021		UGC-TIER1
32	Dr.Sita Kumari	International	Detection of Fake News using Machine Learning Models	International Journal of Computer Applications(IJCA)	[47]-44562-2022		UGC
33	Dr.K. Narasimha Raju	International	Model To Detect Breast Cancer Based on Patient Symptoms	Journal of Pharmaceutical Negative Results	[5]-October-2022		Scopus
34	A Ajaya Kumar	International	Privacy Enhancement For User Authentication Using Improved Honeyword Generation And Secure Hashing	I.J of Scientific & Technology Research	[3]-March-2020		Scopus
35	A Ajaya Kumar	International	An Approach To Identify The Sybil Attacks In Vehicular Ad-Hoc Networks Using Path Signature	I.J of Scientific & Technology Research	[3]-March-2020		Scopus
36	Dr.G.Satya Keerthi	International	A Framework Work For Data Security Using Cryptography And Video Steganography	INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH	[4]-April-2020		Scopus
37	Dr Y Anuradha	International	Lethal Autonomous Weapons System: An Application Of International Human Rights Law Vis-A-Vis Constitutional Standards Of India	International Journal of Advanced Research in Engineering and Technology (IJARET)	[9]-September-2020		Scopus Indexed
38	R Velumani	International	Developing a Robust and Flexible Web Service Framework for Medical Care	Webology	[1]-April-2021		Scopus Indexed
39	Ms. Kancharapu Rohini	International	A comparative study on word embedding techniques for suicide prediction on COVID-19 tweets using deep learning models	International Journal of Information Technology (IJIT)	[NA]-June-2023	-	Scopus
40	Dr. V. Lakshmana Rao	International	Crop Yield Prediction Using Gradient Boosting Neural Network Regression model	International Journal on Recent and Innovation Trends in Computing and Communication	[Volume: 11 Issue: 3]-March-2023	206-214	Scopus

41	Dr. N. Sharmili	International	“Earthworm Optimization with Improved SqueezeNet Enabled Facial Expression Recognition Model”	Computer Systems Science and Engineering	[46(2)]-February-2023	2247-2262	Scopus
42	Mr. S. Sumahasan	International	A Node-Level Security Algorithm for Cloud Assisted-IoT	NeuroQuantology	[Volume 20 Issue 11]-Sep-2022	8444-8451	Scopus
43	Mr.G.Sankara Rao	International	Security Attacks DoS/DDoS attack Detection in Networks	NeuroQuantology	[Volume 20 Issue 11]-Sep-2022	8452-8460	Scopus
44	Dr. N Sharmili	International	COVID-19 Lockdown Devastated Livelihood-safe back to Normality with smart jacket prototype	European Journal of Molecular & Clinical Medicine	[Vol 7, Issue 11]-December-2020	2154-2163	Scopus
45	Dr. N Sharmili	International	“Simple Forecasting Model for COVID-19 Cases in India - Multilevel Model Evaluation with R2, MSE, and MAE”	European Journal of Molecular & Clinical Medicine	[Vol 7, Issue 11]-December-2020	2130-2142	Scopus
46	Dr. N Sharmili	International	“Case Based Reasoning for Tuberculosis Diagnosis”	European Journal of Molecular & Clinical Medicine	[Vol 7, Issue 11]-December-2020	2164-2174	Scopus
47	Dr. N Sharmili	International	“Efficient and Short-Range Forecasting Model for COVID-19 Time Series Parameters - Daily Confirmed Cases, Deaths, Recoveries”	European Journal of Molecular & Clinical Medicine	[Vol 7, Issue 11]-December-2020	2143-2153	Scopus
48	Dr. P.V.S. Lakshmi Jagadamba	International	Highly Dense MANET Architecture Using an Energy-Efficient Cluster-Based Routing Protocol.	International Journal of Advanced Science and Technology	[Vol 29, No. 8]-August-2020	6426-6439	Scopus
49	Dr. N Sharmili	International	Applicational achievement of k-means algorithm among apache spark and map reduce	Test Engineering and Management	[82]-February-2020	1224-1231	Scopus
50	Dr. N Sharmili	International	A classification model using improved hybrid genetic particle swarm optimization algorithm based on separability-correlation measure	Test Engineering and Management	[82]-February-2020	1215-1223	Scopus

51	Dr. V.Lakshmana Rao	International	EEG Signal Pre processing using DWT and Reconstruction by Phase space Reconstruction	International Journal of Scientific & Technology Research	[Vol 9, issue 3]-March-2020	6744-6749	Scopus
52	Dr. V.Lakshmana Rao	International	Epileptic Seizure Detection and Classification based on RQA Features	Journal of Advanced Research in Dynamical and Control Systems	[Vol 12, 05-special issue]-April-2020	251-261	Scopus
53	Dr. N Sharmili	International	Disruptive Technologies for Smart Healthcare Systems using Artificial Intelligence for Hospital Management System	International Journal of Advanced Science and Technology (IJAST)	[Vol 29, No. 9s]-February-2020	2684-2692	Scopus
54	Dr. T. K. Mishra	International	Real Time Human Action Recognition using Triggered Frame Extraction and a Typical CNN Heuristic	Pattern Recognition Letters, Elsevier	[135]-April-2020	329-336	SCIE
55	Dr. N Sharmili	International	Blockchain Based Healthcare System DApp	International Journal of Advanced Science and Technology (IJAST)	[Vol 29, No 2]-February-2020	4647-4666	Scopus
56	Dr. N Sharmili	International	An Integrated Way for Teaching Hadoop & Big Data Analytics Course	International Journal of Recent Technology and Engineering	[Vol 8, Issue 2]-July-2019	1159-1163	Scopus
57	Dr. N Sharmili	International	An Enhanced Artificial Neural Network based Optical Character Recognition Mechanism for Business Information Extraction and Classification"	Journal of Advanced Research in Dynamical and Control Systems.	[Vol 11, 10 special issue]-September-2019	13-19	Scopus
58	Ms. Swapna N	International	An Enhanced Artificial Neural Network based Optical Character Recognition Mechanism for Business Information Extraction and Classification"	Journal of Advanced Research in Dynamical and Control Systems.	[Vol 11, 10 special issue]-September-2019	13-19	Scopus
59	Dr. N Sharmili	International	Analysing the Performance of Classification Algorithms on Diseases Datasets	International Journal of Emerging Technologies	[10(3)]-September-2019	224-230	Scopus
60	Dr. N Sharmili	International	Image classification using deep neural networks for malaria disease detection	International Journal of Emerging Technologies	[10(4)]-November-2019	66-70	Scopus

61	Dr. N Sharmili	International	Automatic Document Clustering and Indexing of Multiple Documents Using KNMF for Feature Extraction through HADOOP and LUCENE on Big Data	Test Engineering & Management magazine	[81]-December-2019	1107-1130	Scopus
62	Ms. M. Swapna	International	A Hybrid Model for Rainfall Prediction Using both Parameterized and Time Series Model	International Journal of Pure and Applied Mathematics(IJPAM)	[Vol 119, No 14]-December-2018	1549-1556	Scopus
63	Dr. Purushotam Naidu k	International	Crop Yield Prediction Using Gradient Boosting Neural Network Regression model	International Journal on Recent and Innovation Trends in Computing and Communication	[Volume: 11 Issue: 3]-March-2023	206-214	Scopus
64	Dr. Purushotam Naidu k	International	An Optimized Ensemble XGBoost Regression Model for Crop Yield Prediction using Correlation-Based Feature Selection Technique	NeuroQuantology Journal	[Vol. 20, Issue 6]-June -2022	5206 - 5221	Scopus
65	Dr. Purushotam Naidu k	International	Machine Learning based Hybrid Ensemble Model using Majority Voting Technique for Crop Prediction	Webology	[Vol. 18, No 5]-Nov-2021	2282-2293	Scopus
66	Dr. D K Bebart	International	Automatic Hate Speech Detection in English-Odia Code Mixed Social Media Data using Machine Learning Techniques	Applied Sciences, MDPI	[11 (18)]-Sep-2021	8575-1-21	SCIE
67	Dr. D K Bebart	International	An Intelligent Hybrid System for Forecasting Stock and Forex Trading Signals using Optimized Recurrent FLANN and Case-based Reasoning	International Journal of Computational Intelligence Systems	[Vol 14, Issue 1]-June -2021	1763-1772	SCIE
68	Dr. D K Bebart	International	Robust segmentation of optic disc and Optic cup using statistical Kurtosis test	International Journal of Imaging Systems and Technology	[Vol. 30, Issue 3]-December-2019	527-543	SCIE
69	Dr. B.Jaya Lakshmi	International	Air Pollution Detection and Control System Using ML Techniques	International Journal on Recent and Innovation Trends in Computing and Communication	[72]-March-2023	1679-1691	Scopus Indexed

70	Mr I V S Venugopal	International	Detection of Severity-based Email SPAM Messages using Adaptive Threshold Driven Clustering	International Journal of Advanced Computer Science and Applications (IJACSA)	[13]-October-2022	329-339	Scopus Indexed
71	Mr. D.Naga Tej	International	MSA_SFO_based_Secure_and_Optimal_Energy_Routing_Protocol	International Journal of Advanced Computer Science and Applications (IJACSA)	[13]--2022	306-313	Scopus Indexed
72	Mr. D.Naga Tej	International	An Application Data Privacy Preservation Strategy for MANET 2ACK to Identify and Mitigate the Effect of Routing Issue	International Journal of Engineering Trends and Technology	[70]-July-2022	377-387	Scopus Indexed
73	Dr. B.Jaya Lakshmi	International	Efficient hybrid algorithms for density based subspace clustering to deal with density divergence for improved quality and conciseness	EvolvingSystems	[12]-October-2019	489-501	Scopus Indexed
74	Dr. K.K. Sandhya Rani	International	Privacy preserving query model using inverse laplacian differential technique.	Journal of Physics: Conference series	[]-July-2019	1-10	Scopus Indexed
75	Mr.I.V.S.VENU GOPAL	International	A Domain Specific Key Phrase Extraction Framework for Email Crpuses	International Journal of Information Technology and Computer Science	[10]-July-2018		UGC
76	Mr.I.V.S.VENU GOPAL	International	A Progressive Cassification Framework for detecting SPAM emails and identification of Authors	International Journal of recent Technology and Engineering	[7]-March-2019		SCOPUS
77	Dr. B.Jaya Lakshmi	International	Hub based K-means Subspace Clustering for improved Efficiency	Mathematical Statistician and Engineering Applications	[2]-April-2023	219-225	Scopus Indexed
78	Ms.. A.S.Lalitha	International	PREDICTION OF THE BREAST CANCER DISEASE USING MACHINE LEARNING TECHNIQUES- A COMPARISON	JOURNAL OF HARBIN INSTITUTE OF TECHNOLOGY	[54]-January-2022	126-133	Scopus Indexed
79	Mr. D. Naga Tej	International	a performance enhancement and optimization of the secure channel for application in manet routing protocols5	mathematical statistician and engineering applications	[71]-April-2022	4749-4761	Scopus Indexed

80	Mr I V S Venugopal	International	Email Spam Detection & Prediction Using Deep Clustering And Multi-Regression Models	Webology	[18]-November-2021	70-85	Scopus Indexed (Current no more Scopus)
81	Dr. K.K. Sandhya Rani	International	Performance Analysis of Various Differential Privacy Preserving Data Distortion Techniques using Privacy Class Utility Metric	International Journal of Control and Automation (IJCA)	[13]-June-2020	813 - 826	Scopus Indexed
82	Dr. M. Phani Krishna Kishore	International	A NEW TYPE OF COVERING BASED ROUGH SETS USING MAXIMAL COMPATIBILITY BLOCKS	Adv. Math. Sci. J.	[9]-August-2020	6537-6546	Scopus Indexed
83	Dr. B.Jaya Lakshmi	International	Robust Retinal Blood Vessel Segmentation to detect Diabetic Retinopathy	International Journal of Applied Research on Information Technology and Computing	[10]-September-2019	111-123	Others Listed By UGC
84	Dr. K.K. Sandhya Rani	International	A Sigmoid based Learning in Heterogeneous Distortion for Data Privacy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	[8]-September-2019	3066-3070	Scopus Indexed
85	Mr.Srinu Bevara	International	VLSI Architecture of Decision Based Adaptive Denoising Filter for Removing Salt & Pepper Noise	ECS Transactions,	[]--		Scopus Indexed
86	R. Sridevi	International	Identification of Spatial Relations in Mathematical OCR Expressions	Reliability: Theory & Applications	[Vol. 16]-Dec-2021	346-353	Scopus
87	G. Tirupati	International	Covid-19 Prediction Modeling Using Bidirectional Gated Recurrent Unit Network Model	Webology	[Vol 18, No 5]-Oct-2021	15-41	Scopus
88	M. Santhosh	International	Sparse recovery based compressive sensing algorithms for diffuse optical tomography	Optics and Laser Technology-Elsevier	[128]-August-2020	106234-1-9	SCIE
89	BLVV Kumar	International	Blockchain based smart contract for sealed bid Auction	International Journal of Engineering and Advanced Technology	[Vol 8, Issue 6]-August-2019	628-631	Scopus

90	BLVV Kumar	International	Collaboration of Blockchain and Machine Learning in Healthcare Industry	International Journal of Engineering and Advanced Technology	[Vol 9, Issue 1]-October-2019	2642-2645	Scopus
OTHERS							
91	K. Venkata Ratnam	Peer Reviewed	Maintaining confidentiality when sharing health information with CloudLet	International Journal of Computational Intelligence in Control	[11]-DECEMBER-2019	176-186	Scopus
92	K. Venkata Ratnam	Peer Reviewed	Securities exchange Forecast Utilizing LONG Momentary MEMORY (LSTM)	International Journal of Computational Intelligence in Control	[68]-DECEMBER-2019	195-203	Scopus
93	K. Venkata Ratnam	Peer Reviewed	Design and Implementation of a Hardware System for Women's Safety	Mathematical Statistician and Engineering Applications	[68 (1)]-DECEMBER-2019	55-62.	-
94	Dr Bh Padma	Peer Reviewed	Insurance Approval Analysis using Machine Learning Algorithms	International Journal of Computer Sciences and Engineering (IJCSE)	[8 (12)]-DECEMBER-2020	46-50	-
95	Dr Bh Padma	Peer Reviewed	DNA Based Pattern Representation for Mobile Security	Advances and Applications in Mathematical Sciences	[20]-January-2021	3157-3167	-
96	Dr Bh.Padma	Peer Reviewed	Preventing Security Attacks on Mobile Pattern Passwords	Journal of Theoretical and Applied Information Technology	[96(4)]-February-2018	995-1007	Scopus
97	Dr Bh.Padma	Peer Reviewed	An Identity based Secure Pattern Authentication System	International Journal of Recent Technology	[8(1)]-May-2019	1652-1661	Scopus (Till 2019)
98	Dr D.Chandravathi	Peer Reviewed	Privacy Preserving Using Extended Euclidean Algorithm Applied To RSA-Homomorphic Encryption Technique	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	[8 (10)]-August-2019	3175-3179	Scopus (Till 2019)
99	Dr D.Chandravathi	Peer Reviewed	Enhanced Homomorphic Encryption technique using RSA ALGORITHM with multiple keys	International Journal of Advanced Trends in Computer Science and Engineering	[8 (4)]-August-2019	1476-1480	Scopus (Till 2019)
100	Dr N. V. RamanaMurty	Peer Reviewed	IOT Based Air Pollution Monitoring System	International Journal of Management, Technology And Engineering	[9]-April-2019	417-424	UGC CARE

101	Dr N. V. RamanaMurty	Peer Reviewed	Liver Disease Prediction and Diagnosis Expert System using Data Mining Techniques	International Journal of Research in Advent Technology	[7]-March -2019	1406-1410	UGC CARE
102	Dr N. V. RamanaMurty	Peer Reviewed	A Novel Integrated Prognosis & Diagnosis System for Lung Cancer Disease Detection using Soft Computing Techniques	International Journal of Computer and Technology	[20]-DECEMBER-2020	137-144	-
103	Mr.G.Kalyan Chakravarthi	Peer Reviewed	Predicting Student Performance using Classification and Regression Trees Algorithm	International Journal of Innovative Technology and Exploring Engineering	[9]-January-2020	3349-3356	Scopus (until 2021)
104	Mr.G.Kalyan Chakravarthi	Peer Reviewed	An Approach for Obstacle Detection System for Vehicle Using IoT	International Journal of Research in Advent Technology	[7]-April-2019	1304-1306	UGC
105	Mr.G.Kalyan Chakravarthi	Peer Reviewed	A Novel Secured Identity based K-bit Encryption from bilinear pairing	International Journal of Research and Analytical Review	[5]-December-2018	399-404	UGC
106	Mr.G.Kalyan Chakravarthi & Dr. Ssvr Kumar Addagarla	Peer Reviewed	Real Time Multi-Scale Facial Mask Detection and Classification Using Deep Transfer Learning Techniques	International Journal of Advanced trends in Computer Science and Engineering	[9]-August-2020	4402-4408	Scopus (until 2021)
107	Mr.M Anil	Peer Reviewed	ESTIMATION OF PRICES IN AGRICULTURAL COMMODITY USING MACHINE LEARNING	EPRA International Journal of Research and Development (IIRD)	[6]-SEPTEMBER-2021	59-65	UGC
108	Mrs. K. Venkata Ratnam	Peer Reviewed	Machine Learning in Intrusion Detection – A Survey	International Journal of Computer Sciences and Engineering	[7]-March-2019	112-119	UGC
109	Mrs. K. Venkata Ratnam, L. Jai Kishore, Bhagya Lakshmi Koppurothu, T. Akhil Reddy	Peer Reviewed	Pipeline Leakage Detection and Monitoring System using IoT	International Journal of Management, Technology And Engineering	[NA]-NA-NA	-	UGC
110	Mrs.J.A Lavanya	Peer Reviewed	Demonstration of Facial Emotion recognition on Real-Time video	International Research Journal of Enginnering and Technology	[NA]-NA-NA	-	UGC

111	R.KANAKARAJU	Peer Reviewed	Tea algorithm based industrial automation system using xbee's	International Journal of Computer Science and Engineering	[6 (7)]-July-2018	835-845	UGC CARE
112	R.KANAKARAJU	Peer Reviewed	Intelligent Traffic Monitoring System by Using ZIGBEE and VANET	International Journal of Computer Science and Engineering	[8(7)]-July-2020	16-18	UGC CARE
113	R.KANAKARAJU	Peer Reviewed	An Image Encryption Technique Based on Logistic Sine Map and an Encrypted Image Retrieval Using DCT Frequency	Recent Trends in Intensive Computing	[39]-DECEMBER-2021	44934	Scopus
114	Mr.G.Kalyan Chakravarthi	Peer Reviewed	An IoT based smart garbage monitoring and disposal support system	Proceeding of ICCMC - 2021	2021	-	-
115	Mr.G.Kalyan Chakravarthi	National	An Approach for Obstacle Detection System for Vehicle Using IoT	Journal of research in Advent Technology	[7] April 2019	-	-
116	Dr Bh Padma	Conference Proceedings	Evaluation of Penetration Testing using IoT Devices and Microcontrollers	Proceedings of ICRISSET-2023 - in communication	[NA]-to be published-to be published	-	-
117	Dr Bh Padma	Conference Proceedings	Autism Spectrum Disorder Analysis and Prediction using Machine Learning	Proceedings of ICRISSET-2023 - in communication	[NA]-to be published-to be published	-	-
118	Dr Bh Padma	Conference Proceedings	A Survey on Modern Cryptographic Techniques and Applications	NCDT-2023 Andhra University	[NA]-to be published-to be published	-	-
119	Dr Bh Padma & Dr D.Chandravathi	Conference Proceedings	Defense Against Frequency Analysis in Elliptic Curve Cryptography Using K-Means Clustering	Proceedings of IEEE Xplore "2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)	[NA]-APRIL-2021	64-69	-
120	Dr Bh Padma & Dr D.Chandravathi	Conference Proceedings	A New Authentication RSA Homomorphic Encryption Technique for Prime Factorization- Based Attacks Scheme using Brahmagupta Fibonacci Identity for Cloud data security.	International Conference on Recent Advances in Industry 4.0 Technologies (ICRAIT 2022).	[to be published]- July-2023	-	-

121	Dr D.Chandravathi	Conference Proceedings	Securing Data in a cloud of IoT Devices using Cryptography and steganography Techniques	under printing	[NA]-NA-2023	-	-
122	Dr D.Chandravathi	Conference Proceedings	Privacy and Security in IoT- Cloud convergence of network era using Machine and Deep Learning	under printing	[NA]-NA-2023	-	-
123	Dr.N.V.Ramana Murty	Conference Proceedings	Utilizing Extreme Learning Machine Convolutional Neural Networks for efficient detection of Cerebral Microbleed Profiles	Proceedings of the Conference in Scopus is under printing phase	[-]-July -2023	-	Scopus
124	Dr.N.V.Ramana Murty	Conference Proceedings	Music Recommendation based on Facial Expressions using CNN	Proceedings of the Conference in Scopus is under printing phase	[-]-May-2023	-	Scopus
125	Dr.N.V.Ramana Murty	Conference Proceedings	Detection of Age and Gender based on Facial Images using DCNN	Proceedings of the Conference in Scopus is under printing phase	[-]-May-2023	-	Scopus
126	Dr.N.V.Ramana Murty	Conference Proceedings	Translation and Summarization of Multilingual News (Telugu to English) using NLP	Proceedings of the Conference in Scopus is under printing phase	[-]-May-2023	-	Scopus
127	Dr.G R S MURTHY	Conference Proceedings	Rice leaf disease prediction using CNN with transfer learning	Proceedings of the Conference in Scopus is under printing phase	[-]------	--	scopus
128	Mr.G.Kalyan Chakravarthi	Conference Proceedings	An Embedded System Design for Guiding Visually Impaired Personnel	IEEE	[NA]-March-2019	44930	Scopus
129	Mr.G.Kalyan Chakravarthi, Dr. Ssvr Kumar Addagarla, & L.Pratibha	Conference Proceedings	An IoT-Based Smart Garbage Monitoring and Disposal Support System	IEEE Xplore Part Number: CFP21K25-ART5th International Conference on Computing Methodologies and Communication (ICCMC), Erode.	[NA]-May-2021	438-442	Scopus

ANNEXURE 3.6: SCHOOL OF ELECTRONICS AND ELECTRIC ENGINEERING

S.No	Faculty Name	Title	Journal Name	Volume Year	PP	Indexing
INTERNATIONAL						
A. ECE						
1	Dr. M. V. S. Sairam	Performance analysis of an extended Sierpinski gasket fractal antenna for millimeter-wave femtocells applications	Wireless Personal Communications	[119]-April-2021	1437-1468	SCIE
2	Dr. M. V. S. Sairam	16-element CPW series fed millimeter-wave hexagonal array antenna for 5G femtocell applications	International Journal of Microwave and Wireless Technologies	[14]-August-2021	955-969	SCIE
3	Dr. M. V. S. Sairam	A wide band log periodic millimeter-wave antenna for 5G femtocells applications	Transactions on Emerging Telecommunications Technologies	[32]-November-2021	-	SCIE
4	Dr. M. V. S. Sairam	A 32 element circular-shaped corporate feed antenna array for millimeter-wave femtocells	International Journal of Advanced Technology and Engineering Exploration	[9]-Oct-2022	1465-1479	Scopus
5	Dr. D. B. V. Jagannadham	Identification of myocardial infarction from analysis of ECG signal	International Journal of Knowledge-based and Intelligent Engineering Systems	[24]-September-2020	217-226	ESCI/Scopus (journal is in scopus till 2022)
6	Dr. D. B. V. Jagannadham	Human intelligence analysis through perception of AI in teaching and learning	Computational Intelligence and Neuroscience	[2022]-June-2022	-	Scopus (journal is in scopus till 2022)
7	Dr. D. B. V. Jagannadham	Artificial Intelligence-Based Robotic Technique for Reusable Waste Materials	Computational Intelligence and Neuroscience	[2022]-May-2022	-	Scopus (journal is in scopus till 2022)
8	Dr. D. B. V. Jagannadham	Microclimate prediction using internet of things (IoT) based ensemble model	Journal of Environmental Protection and Ecology	[24]-2023	622-631	Scopus
9	Dr. Birendra Biswal	Reactive power compensation using electric vehicle and data center by integrating virtual power plant	Electric Power Components and Systems	[50]-December-2022	245-255	SCIE
10	Dr. Birendra Biswal	EANet: Multiscale Auto encoder-based Edge Attention Network for Fluid Segmentation from SD-OCT Images	International Journal of Imaging systems	[2022]-December-2022	1-19	SCIE
11	Dr. Birendra Biswal	A Deeply Supervised Maximum Responsive SegNet for Simultaneous Multi Retinal Lesion Segmentation	International Journal of Imaging Systems and Technology	[2022]-Feb-2022	1-18	SCIE

12	Dr. Birendra Biswal	An efficient epileptic seizure classification system using empirical wavelet transform and multi-fuse reduced deep convolutional neural network with digital implementation	Biomedical Signal Processing and Control	[72]-November-2021	103281	SCIE
13	Dr. Birendra Biswal	Robust segmentation of vascular network using deeply cascaded AREN-UNet	Biomedical Signal Processing and Control	[69]-July-2021	102953	SCIE
14	Dr. Birendra Biswal	Robust segmentation of exudates from retinal surface using M-CapsNet via EM routing	Biomedical Signal Processing and Control	[68]-May-2021	102770	SCIE
15	Dr. Birendra Biswal	A semantic contour-based segmentation of lungs from chest x-rays for the classification of tuberculosis using Naïve Bayes classifier	International journal of imaging system & Technology	[2021]-Jan-2021	1-15	SCIE
16	Dr. Birendra Biswal	Robust classification of neovascularization using random forest classifier via convoluted vascular network	Biomedical Signal Processing and Control	[66]-Jan-2021	102420	SCIE
17	Dr. Birendra Biswal	An Exclusive Disjunction based Detection of Neovascularization using Multiscale CNN,” <i>IET</i>	IET Image Processing	[2021]-Sept-2020	1518-1529	SCIE
18	Dr. Birendra Biswal	Classification of neovascularization on retinal images using extreme learning machine	International journal of imaging system & Technology	[31]-September-2021	1536-1550	SCIE
19	Dr. Birendra Biswal	Adaptive SSA Based Muscle Artifact Removal from Single-Channel EEG using Neural Network Regressor	IRBM	[42]-August-2020	324-333	SCIE
20	Dr. Birendra Biswal	Controlled differential evolution based detection of neovascularization on optic disc using support vector machine	Biomedical Engineering/Biomedizinische Technik	[66]-August-2020	21-30	SCIE
21	Dr. Birendra Biswal	Robust segmentation of optic disc and optic cup using statistical Kurtosis test	International journal of imaging system & Technology	[]-December-2019	1-17	SCIE
22	Dr. Birendra Biswal	Robust retinal optic disc and optic cup segmentation via stationary wavelet transform and maximum vessel pixel sum	IET Image Processing	[14]-February-2020	592-602	SCIE
23	Dr. Birendra Biswal	Time Frequency analysis of power quality disturbances using synchro-extracting transform	International Transactions on Electrical Energy systems	[30]-April-2020	1-13	SCIE
24	Dr. N. Deepika Rani	Design and analysis of a compact reconfigurable dual band notched uwb antenna	Progress In Electromagnetics Research C	[98]-Jan-2020	141-153	Scopus

25	Dr. V. Leela Rani	Design of low power and process control hybrid adder with complemented carry structure	International Journal of Electrical and Electronics Research	[10]-December-2022	1239-1246	Scopus
26	Dr. V. Leela Rani	A Simplified Implementation of CW Doppler RADAR for precipitation measurements	Journal of Huazhong university	[50]-March-2021	1-9	Journal is scopus but paper is not visible in Google Scholar or in Google Website
27	Dr. Ch Kusma Kumari	Study of Al-Doped and Al ₂ O ₃ Heterostructures for Improving α -Fe ₂ O ₃ Catalysis for the Oxygen Evolution Reaction.	The Journal of physical Chemistry	[127]-April-2023	8342-8351	SCIE
28	Dr. Ch Kusma Kumari	Evaluation of DFT+U and HSE frameworks for strongly correlated iron oxide	ChemistrySelect	[8]--2023	1-11	SCIE
29	Dr. Ch Kusma Kumari	Tunable electronic, magnetic, and optical properties of carbon-nanomaterial/ α -Fe ₂ O ₃ interface: A first-principles study	Materials Today Communications	[33]-November-2022	104890	SCIE
30	Dr. Ch Kusma Kumari	Analysis of multi carrier modulation techniques for 5G physical layer communications	Journal of Scientific & Industrial Research	[81]-November-2022	1224-1232	SCIE
31	Dr. Ch Kusma Kumari	Design of polymer-based trigatnanoscaleFinFET for the implementation of two-stage operational amplifier	International Journal of Polymer Science	[2022]-July-2022	1-12	SCIE
32	Dr. Ch Kusma Kumari	High Performance DIT-FFT using Dissimilar Partitioned LUT based distributed arithmetic	International journal of electronics and telecommunications	[67]--2021	631-637	ESCI/Scopus (journal is in scopus till 2022)
33	Dr. Ch Kusma Kumari	BER Analysis of Channel Estimation techniques in LTE Downlink Physical Layer for MIMO-OFDM systems	Journal of Huazhong university	[50]-feb -2021	1-10	Journal is scopus but paper is not visible in Google Scholar or in Google Website
34	Dr. G. Padma	Medical image fusion based on laws of texture energy measures in stationary wavelet transform domain	International Journal of Imaging Systems and Technology	[30]-September-2020	544-557	SCIE

35	Dr. G. Padma	Contrast enhanced multi sensor image fusion based on guided image filter and NSST	IEEE Sensors Journal	[20]-Jan-2020	939-946	SCIE
36	Dr. G. Padma	Remote sensing satellite data and spectral indices: an initial evaluation for the sustainable development of an urban area	Sustainable Water Resources Management	[8]-Jan-2022	-	Scopus
37	Dr. G. Padma	Morphometric Analysis of Natural Landscapes of Northern Maharashtra using Geomatics Techniques	Water and Energy International	[65r]-Jan-2023	11-24	Scopus
38	Dr. J. Bhaskara Rao	Hardware-efficient approximate logarithmic division with improved accuracy	Int. J. Circuit Theory Appl.	[49]-November-2020	1-14	SCIE
39	Dr. J. Bhaskara Rao	Analytical modeling of threshold voltage for dual-metal double-gate gate-all-around (DM-DG-GAA) MOSFET	Silicon	[13]-August-2020	2869-2880	SCIE
40	Dr. J. Bhaskara Rao	Automatic diagnosis of pneumonia using backward elimination method based SVM and its hardware implementation	Int. J. Imaging Syst. Technol.	[32]--2022	1-15	SCIE
41	Dr. J. Bhaskara Rao	A low-error, memory-based fast binary antilogarithmic converter	International journal of circuit theory and applications	[49]-feb-2021	2214-2226	SCIE
42	Dr. J. Bhaskara Rao	A new approximate 4-2 compressor using merged sum and carry	journal of electronic testing	[38]-august-2022	381-394	SCIE
43	Dr. J. Bhaskara Rao	A low error, hardware efficient logarithmic multiplier	circuits systems and signal processing	[41]-august-2021	485-513	SCIE
44	Dr. J. Bhaskara Rao	An efficient and optimized converter for fast binary to decimal conversion	international journal of electronics letters	[38]-April-2021	1-11	scopus
45	Dr. J. Bhaskara Rao	Modified priority encoder based hardware efficient N-bit comparator	international journal of electronic letters	[]-September-2022	1-13	scopus
46	Dr. J. Bhaskara Rao	Hardware efficient circuit for low error logarithmic converter	Journal of computational methods in sciences and engineering	[2]-jan-2022	511-527	scopus
47	Dr. P. Aruna Kumari	Hierarchical and hybrid cell load balancing in 5G heterogeneous mobile networks	international journal of communication systems	[35]-jan-2022	e5017	SCIE
48	Dr. P. Aruna Kumari	Signal propagation analysis at 28GHz and 73GHz millimeter wave bands for next generation networks	International journal of image, graphics and signal processing	[11]-august-2019	19-27	UGC TIRE-1

49	Dr. P. Srinu	Capacity and BER performance improvement in integrated MIMO-OFDM system using optimal power allocation, channel estimation, and turbo coding	international journal of communication systems	[34]-july-2021	1-16	SCIE
50	Dr. P. Srinu	Unhealthy Plant Region Detection in Plant Leaves using Adaptive Genetic Algorithms	journal of theoretical and applied information technology	[101]-April-2023	3133-3142	Scopus
51	Sri. S. Pandu	Design of 4-bit ALU using sub-threshold adiabatic logic (SAL)	sadhana	[46]--2021	153	SCIE
52	Sri. S. Sagar Krishna	Efficient implementation of mixed-precision multiply-accumulator unit for AI algorithms	International journal of circuit theory and applications	[48]-August-2020	1386-1394	SCIE
53	Dr. S. M. K. Chaitanya	A novel embedded system for cyber-physical system using crypto mechanism	multimedia tools and applications	[]-April-2023	1-19	SCIE
54	Dr. B. Keerthi Priya	Automatic Inhibition Zone Diameter Measurement for Disc Diffusion Test Using Image Segmentation	IETE Journal of Research	[]-oct-2021	1-18	SCIE
55	Dr. B. Keerthi Priya	Reconfigurable Microarchitecture-Based PMDC Prototype Development for IoT Edge Computing Utilization	IEEE Sensors Journal	[21]-jan -2021	2334-2345	SCIE
56	Dr. B. Keerthi Priya	Hybrid stepper motor: Model, open-loop test, traditional PI, optimized PI, and optimized gain scheduled PI controllers	international journal of control automation and systems	[20]-December-2022	3915-3922	SCIE
57	Dr. B. Keerthi Priya	Review on poly(ethylene oxide)-based electrolyte and anode nanomaterials for the internet of things node-level lithium-ion batteries	Materials today proceedings	[42]-jan-2021	429-435	Scopus
58	Dr. R. Surya Prakash rao	ECG data optimization for biometric human recognition using statistical distributed machine learning algorithm	the journal of super computing	[76]-Oct-2019	858-875	SCIE
59	Dr. R. Surya Prakash rao	Malware Detection in Android Mobile Devices by Applying Swarm Intelligence Optimization and Machine Learning for API Calls	inernational journal of intelligent systems and applications in engineering	[10]-December-2022	67-74	Scopus

60	Dr. Pratik Mondal	Design and analysis of a small-size, flag-shape UWB antenna with dual notch band using mushroom structure	journal of circuit systems and computers	[31]-March-2022	2250084	SCIE
61	Dr. Pratik Mondal	P. Mondal , S. Parui, and R. Bera, "Finite ground CB-CPW bandpass filter using vertically installed coupled open-ended stubs," <i>Appl. Comput. Electromagn. Soc. J.</i> , vol. 35, no. 9, pp. 1053–1058, 2020 .	applied computational electromagnetics society journal	[35]-sep-2020	1053-1058	SCIE
62	Dr. Pratik Mondal	Design of Dual Band Monopole Antenna for Bluetooth and ultra wide band with triple notch using electromagnetic bandgap structure	revue roumaine des sciences techniques serie electro technique et energetique	[67]-sep-2022	307-312	SCIE
63	Dr. Pratik Mondal	Design of cpw fed uwb antenna with dual notch band using t-shape stub	telecommunications and radio engineering	[79]--2020	1713-1723	Scopus (journal is in scopus till 2022)
64	Dr. Pratik Mondal	Design of uwb antenna with dual notch band using single ebg structure	telecommunications and radio engineering	[80]--2021	13-24	Scopus (journal is in scopus till 2022)
65	Dr. Birendra Biswal	Robust Retinal Blood Vessel Segmentation Using Hybrid Active Contour Model	IET Image Processing	[3]-February-2019	-	SCI
66	Dr. Birendra Biswal	Time-frequency analysis and classification of power signals using adaptive cuckoo search algorithm	International Journal of Numerical Modeling: Electronic Networks, Devices	[1]-July-2018	-	SCI
67	Dr. V. Leela Rani	Implementation of Testing Methods for VLSI Circuits	International Journal of Scientific Research and Reviews	[1]-March-2019	-	UGC
68	Dr. V. Leela Rani	Implementation of Mitigating Techniques for the Analysis of Delay Degradation to Reduce NBTI Effect in VLSI Circuits	INTERNATIONAL JOURNAL OF RESEARCH IN ELECTRONICS AND COMPUTER ENGINEERING	[2]-May-2019	-	UGC
69	Sri. K.R.K.Sastry	Design of voice enabled fall detection on Raspberry pi 3B+	International journal of Research in Electronics and Computer Engineering	[2]-April-2019	-	UGC

70	Dr. Ch. Kusma Kumari	Chirp-Z Transform Based Pilot Estimation for 2X2 MIMO-Alamouti Systems	International Journal of Recent Technology and Engineering (IJRTE)	[1]-May-2019	-	SCOPUS
71	Dr. G. Rajeswara Rao	Performance analysis of Trellis coded 16 QAM Mapping for CDMA	Journal of Emerging Technologies and Innovative Research	[8]-August-2018	-	UGC
72	Smt. P. Aruna Kumari	Network Selection in Heterogeneous Wireless Environment using Computationally Reduced Fuzzy Rule Base System	International Journal of Recent Technology and Engineering (IJRTE)	[5S4]-February-2019	-	SCOPUS
73	Mr. P. Srinu	Performance Analysis of adaptive filter Channel Estimated MIMO OFDM Communication Systems	International Journal of Electrical and Computer Engineering	[5]-October-2018	-	SCOPUS
74	Mr. P. Srinu	PAPR minimization in SC-FDMA and OFDM for LTE uplink and downlink	Journal of Emerging Technologies and Innovative Research	[11]-November-2018	-	UGC
75	Mr. Sagara Pandu	Implementation of Secure Hash Algorithm1 for High Throughput and Optimized Performance	International Journal of Scientific Research and Reviews	[4]-December-2018	-	UGC
76	Mr. G. Anand Kumar	3D- DEEPLARNING FOR BRAIN MR TUMOR SEGMENTATION WITH T-SPLINE INTENSITY INHOMOGENEITY CORRECTION	AUTOMATIC CONTROL AND COMPUTER SCIENCES	[5]-September-2018	-	SCOPUS
77	Mr. S.M.K. Chaitanya	Classification of kidney Images using Cuckoo search Algorithm and Artificial Neural Network	International Journal of Engineering and Advanced Technology	[3]-April-2019	-	SCOPUS

78	Mr. S.M.K. Chaitanya	Classifications of kidney images using PSO	International Journal of Innovative Technology and Exploring Engineering	[4]-February-2019	-	SCOPUS
79	Mr. S.M.K. Chaitanya	Implementation of OGS algorithm on ARDUINO Through Simulink	International Journal of Scientific Research and Reviews	[2]-October-2018	-	UGC
80	Mr. Ch Venkanna	Bispectral Analysis of ECG for identification of Atrial Fibrillation	International Journal of Emerging Technologies and Innovative Research	[7]-July-2018	-	UGC
81	Dr. R. Surya Prakasa Rao	GA Based Loseless and Robust Image Watermarking using NBP-IWT-DCT-SVD Transforms	Jour of Adv Research in Dynamical and Control Systems	[12]-August-2018	-	SCOPUS
82	Dr. M. V. S. Sairam	Crescent Shaped Slot Array Antenna for Future 5g Femtocells Applications	International Journal of Engineering and Advanced Technology	[8]-June-2019	2114-2119	Scopus (journal is in scopus till 2019)
83	Dr. V. Leela Rani	Design of CNTFET-based Adder Structures	Gis.science	[9]-2022	133-139	Scopus (journal is in scopus till 2022)
84	Sri. K. R. K. Sastry	Implementation of Sumudu transform based cryptography on reconfigurable hardware	Journal of Critical reviews,	[7]-August-2020	5492-5500	Scopus (journal is in scopus till 2020)
85	Sri. K. R. K. Sastry	Implementation of Smart Gas Controller on a Reconfigurable Hardware	International journal of scientific & technology research	[9]-March-2020	5779-5787	Scopus (journal is in scopus till 2020)
86	Sri. K. R. K. Sastry	Voice Enabled Gas Controller	TEST Engineering & Management	[82]-Feb-2020	9790-9794	Scopus (journal is in scopus till 2020)

87	Sri. K. R. K. Sastry	Implementation of Laplace Transform based Cryptography on Reconfigurable Hardware	International journal of advanced science and technology	[29]--2020	119-126	Scopus (journal is in scopus till 2020)
88	Sri. K. R. K. Sastry	Internet Enabled Remote Control Device for Air Conditioners	International Journal of Innovative Technology and Exploring Engineering	[8]-August-2019	1901-1905	Scopus (journal is in scopus till 2020)
89	Dr. Ch Kusma Kumari	Human emotions classification using EEG signals in virtual instrumentation platform	International Journal of Recent Technology and Engineering	[8]--2019	12104-12107	Scopus (journal is in scopus till 2019)
90	Dr. Ch Kusma Kumari	Design of variable fractional delay filter using FIR filter approximation	International Journal of Recent Technology and Engineering	[8]--2019	5932-5936	Scopus (journal is in scopus till 2019)
91	Dr. Ch Kusma Kumari	Optimal power allocation and capacity analysis for D2D-enabled vehicular communications	International Journal of Recent Technology and Engineering	[8]--2019	4110-4116	Scopus (journal is in scopus till 2019)
92	Dr. J. Bhaskara Rao	L Hemanth Krishna, Ayesha Sk, J BhaskaraRao , SreedeviVeeramachaneni, Noor MahammadSk, "Energy Efficient Approximate Multiplier design with lesser error rate using the probability-based approximate 4:2 compressor," <i>IEEE Embe</i> , 2023 .	IEEE Embedded systems letters	[]-MAY-2023	1-1	SCIE (Early Access)

93	Dr. P. Aruna Kumari	Game theory based optimal vertical handover decision model for heterogeneous mobile networks	journal of advanced research in dynamical and control systems	[11]--2019	-	Scopus (journal is in scopus till 2020) Paper is not visible in website
94	Dr. P. Aruna Kumari	Energy Efficient user preferred vertical handoff algorithm for improved QoS in HetNets	Journal of Green Engineering	[11]-March-2021	2348-2376	Scopus
95	Dr. P. Srinu	PAPR performance analysis of low complexity SLM for various phase sequences in MIMO-OFDM system	International Journal of Recent Technology and Engineering (IJRTE)	[8]-july-2019	4347-4353	Scopus (journal is in scopus till 2019)
96	Dr. P. Srinu	Performance Analysis of Polar Codes in MIMO-OFDM for Next Generation Wireless systems	Gis.science	[9]--2022	414-420	Scopus (journal is in scopus till 2022) Paper is not visible in the website
97	Dr. S. M. K. Chaitanya	S. M. K, Chaitanya , and P. Rajesh Kumar, "Kidney Images Classification using Cuckoo Search Algorithm and Artificial Neural Network," <i>international journal of scientific & technology research</i> , vol. 9, no. 3, 2020 .	international journal of scientific & technology research	[9]-March-2020	6127-6132	Scopus (journal is in scopus till 2020)
98	Dr. B. Keerthi Priya	Review on Technologies for Antimicrobial testing Methods for Veterinary Origin	international journal of scientific & technology research	[9]-April-2020	-	Scopus (journal is in scopus till 2020)
99	Dr. B. Keerthi Priya	Applications of Nano Materials in Automation of the Antimicrobial Susceptibility Testing for Rapid results	international journal of advanced science and technology	[29]--2020	5492-5509	Scopus (journal is in scopus till 2020)

100	Dr. R. Surya Prakash rao	A Novel Security based Image Watermarking using NBP-IWT-DCT-NSVD-GA-PSO Algorithm	International Journal of Engineering and Advanced Technology	[9]-Oct-2019	1600-1609	Scopus (journal is in scopus till 2019)
101	Dr. R. Surya Prakash rao	NBP-IWT-DCT-SVD-PSO based secure image watermarking	international journal of recent technology and engineering	[8]-sep-2019	2021-2026	Scopus (journal is in scopus till 2019)
102	Mrs.B.V.R.Gowri	VLSI implementation of Integrated massive MIMO systems for N-point FFT/IFFT processor	International Journal of Electrical and Electronics Research	[Volume 10, Issue 4]- October- December-2022	1121-1129	scopus
103	Dr. P.M.K.Prasad	Detection of Alzheimer's disease using MRI images based on SVM classifier	ARPJ Journal of Engineering and Applied Science	[Vol.17, No.5]- March-2022	598-605	scopus
104	Dr. Ganesh Laveti	GPS Receiver Position Augmentation Using Correntropy Kalman Filter in Low Latitude Terrain	The International Arab Journal of Information Technology	[Vol. 19(1)]- January-2022	72-80	SCIE
105	Dr. P.M.K.Prasad	Novel 2-D Histogram-Based Soft Thresholding for Brain Tumor Detection and Image Compression	International Journal of Applied Metaheuristic Computing	[Volume 13, Issue 1,]-January- 2022	292497-1- 21	ESCI
106	Dr. D.V.A.N.Ravi Kumar	Conditioned Measurement Fused Estimate Unscented Kalman Filter for Underwater Target Tracking using Acoustic signals captured by Towed Array	Applied Acoustics	[vol.174]-March- 2021	107742-1- 14	SCIE
107	Dr. D.V.A.N.Ravi Kumar	Hybrid Unscented Kalman Filter with Rare features for Underwater Target tracking using Passive Sonar Measurements	Optik	[Vol,226,No.1]- Jan-2021	165813-1- 13	SCIE
108	Dr. B.P.V. Dileep	Sparse recovery based compressive sensing algorithms for diffuse optical tomography	Optics and Laser Technology-Elsevier	[vol 128]-August- 2020	106234-1-9	SCIE

109	Dr. P.M.K. Prasad	Sparse recovery based compressive sensing algorithms for diffuse optical tomography	Optics and Laser Technology-Elsevier	[vol 128]-August-2020	106234-1-9	SCIE
110	Dr. Ganesh Laveti	Performance evaluation of suitable navigation algorithm using raw measurements taken from stationary GPS receiver	Materials Today: Proceedings	[vol 33, part 7]-May-2020	3366-3371	scopus
111	Dr. Ganesh Laveti	A novel kinematic positioning algorithm for GPS applications in urban canyons	Material Today: proceedings	[vol 33, part 7]-May-2020	3359-3365	scopus
112	Dr. Ganesh Laveti	Implementation of new navigation algorithm based on cross-correntropy for precise positioning in low latitude regions of South India	International Journal of Speech Technology	[vol 23]-June-2020	747-756	scopus
113	Dr.P.M.K.Prasad	Carrier frequency offset(CFO) Estimation in MC-CDMA System	International Journal of Advanced Science and Technology	[Vol 29,No. 5]-May-2020	5488-5501	scopus
114	Dr.P.M.K.Prasad	Contrast Enhancement of Satellite Images Based on Lifting Haar Wavelet Transform And Singular Value Decomposition	International Journal of Emerging Trends in Engineering Research	[Vol 8, No 3]-March-2020	830-837	scopus
115	Dr. K Srinivasa Rao	Multiuser Detection using NOMA Technique in FD-MC-CDMA System in Fading Channels	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	[Vol 9, Issue 2]-December-2019	3247-3251	scopus
116	Dr. L. Ganesh	GPS Receiver Position Interpretation using Single Point PVT Estimation Algorithm	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	[Vol 9, Issue 2S3]-December-2019	53-57	scopus
117	Ms. B. Lakshmi	Subthreshold Region based linear feedback shift register	International Journal of engineering and advanced technology	[Vol 8, Issue 6S2]-August-2019	817-821	scopus

118	Dr. K. Raja Rajeswari	Super Resolution Sub-space based ROOT-MUSIC Technique for Direction of Arrival Evaluation in MIMO Radar	International journal of Innovative Technology and Exploring Engineering (IJITEE)	[Vol 8, Issue-9]-July-2019	1643-1646	scopus
119	Ms. M.ManiKumari	SRAM based Look Up table design using Multiple valued Logic	Journal of Advanced research in Dynamical and Control Systems	[Vol 11, 07-special issue]-June-2019	157-160	Scopus
120	Dr. D.V.A.N.Ravi Kumar	A Novel Estimation algorithm for torpedo tracking in undersea environment	Journal of Central South University	[26(4)]-Oct-2019	673-683	SCIE
121	Dr. K.Rajarajeswari	Noise Reduction in ECG Signals for Bio-telemetry	International Journal of Electrical and Computer Engineering	[Vol 9, No. 2]-April-2019	1028-1035	Scopus
122	Dr. P.M.K.Prasad	Wavelet Feature Extraction Based Human Iris Recognition	ARPJ Journal of Engineering and Applied Sciences	[14(4)]-Feb-2019	842-847	Scopus
123	Dr.K.Rajarajeswari	BER Estimation in UPMC System for Wireless Communications	Journal of advanced research in dynamical and control systems	[10(12) special issue]-January-2018	294-299	Scopus
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124	Dr. Satish Kumar Gudey	Robust fractional order sliding mode control for solar based DC-AC inverter	Journal of energy Systems	[16]-October-2019	289-310	SCOPUS
125	Dr. Satish Kumar Gudey	Electric vehicle operation modes with reactive power support using SMC in distribution generation	Journal of energy Systems	[4]-December-2020	161-178	SCOPUS

126	Dr. Satish Kumar Gudey	A Novel space vector modulated DTC scheme of induction motor drive with a single PI controller for electric vehicles	Journal of energy Systems	[4]-October-2020	96-120	SCOPUS
127	Dr. Satish Kumar Gudey	Grid Interconnection of Solar with Battery Energy Storage System using a T-Type Multilevel Inverter at the Distribution Level for Power Balance	Iranian Journal of electrical engineering	[6]-September-2022	436-450	SCOPUS
128	Dr. Satish Kumar Gudey	An Enhanced Exponential Reaching Law Based Sliding Mode Control Strategy for a Three Phase UPS System	Serbian Journal of Electrical Engineering	[17]-January-2021	1-14	SCOPUS
129	Dr. Satish Kumar Gudey	Design and Analysis of a Three Phase Transformerless Hybrid Series Active Power Filter based on Sliding Mode Control Using PQ-theory And Stationary Reference Frames	Serbian Journal of Electrical Engineering	[17]-October-2020	313-336	SCOPUS
130	Dr. Satish Kumar Gudey	Direct Torque Control of an Induction Motor Using Fractional-Order Sliding Mode Control Technique for Quick Response and Reduced Torque Ripple	World Electric Vehicle Journal	[14]-May-2023	-	SCOPUS
131	Dr. O.V.S.R.Varaprasad	Power management algorithm for a conservative power theory battery storage based multi-functional three-phase grid-connected PV inverter	International Transactions on Electrical Engineering	[30]-November-2020	e12605	SCI
132	Dr. Satish Kumar Gudey	Enhanced exponential reaching law-based sliding mode control of shunt active power filter in an electrical distribution system	The Journal of Engineering Research	[18]-2021	52-61	SCOPUS
133	Dr. K. Narasimha Rao	Mitigation of Harmonics Using Shunt Active Power Filter in the Distribution System	Journal of Emerging Technologies and Innovative Research	[5]-July-2018	-	UGC

134	Dr. T.S.Srinish	Design of STATCOM with Fuzzy Self-tuning PI controller	Journal of Emerging Technologies and Innovative Research	[5]-December-2018	-	UGC
135	M Krishna	Transformer Cascaded 27-Level Multilevel Inverter for Medium/High Voltage PV System integration	Iranian Journal of Science and Technology, Transactions of Electrical Engineering.	[47]-May-2023	993-1008	SCIE
136	P Devendra	Two Input single output converter with preserved output voltage under source fault	International Journal of Circuit Theory and Applications,	[https://doi.org/10.1002/cta.3691]-June-2023	1-23	SCIE
137	P Devendra	New class of Power Converter for Performing the Multiple Operations in a Single Converter: Universal Power Converter	Energies 2022	[vol 15]-August-2022	6293- 1-19	ESCI
138	P Devendra	Design and Implementation of Single-Input-Multi-Output DC-DC Converter Topology for Auxiliary Power Modules of Electric Vehicle	IEEE-INST ELECTRICAL ELECTRONICS ENGINEERS INC	[vol 10]-July-2022	76975-76989	SCIE
139	P Devendra	Salp swarm algorithm based optimal speed control for electric vehicles	International Journal of Power Electronics and Drive Systems (IJPEDS)	[vol 13]-June-2022	755-763	scopus
140	P Devendra	Implementation of Harris Hawks optimization for load frequency control of hydropower plant	International Journal of Power Electronics and Drive Systems (IJPEDS)	[vol 13]-June-2022	1093-1100	scopus
141	P Devendra	A New Multi-Output DC-DC Converter for Electric Vehicle Application	IEEE ACCESS	[vol 10]-February-2022	19072-19082	SCIE
142	M Krishna	Transformer Based 25-Level T-Type MLI for Renewable Energy Integration	IEEE Journal of Emerging and Selected Topics in Industrial Electronics	[vol 3, issue 4]-April-2022	1127-1136	SCIE
143	P Devendra	Design and implementation of a new inverter topology with reduced THD and part count	International journal of system assurance engineering and management	[13]-November-2021	1410-1418	ESCI
144	A S V Vijayalakshmi	Control constraint based optimal PID-PSS design for a widespread operating power system using SAR algorithm	International Transactions on Electrical Energy Systems	[Vol 31, issue 12]-December-2021	13146-1-24	SCIE

145	A S V Vijayalakshmi	Optimal Robust PID-PSS Design for Melioration of Power System Stability Using Search and Rescue Algorithm	Journal of Control Automation and Electrical Systems	[Vol 32, Issue 4]-August-2021	968-982	ESCI
146	A Hema Chander	Robust Observer Design for Mitigating the Impact of Unknown Disturbances on State of Charge Estimation of Lithium Iron Phosphate Batteries using Fractional Calculus	IEEE Transactions on Vehicular Technology	[Vol 70, No. 4]-April-2021	3218-3231	SCIE
147	RVS Lakshmi Kumari	Analysis of Active power load dispatch in economic and environmental aspects with pseudo power flow	International Journal of Future Generation Communication and Networking	[Vol 13, No. 3]-August-2020	3665-3675	ESCI
148	A S V Vijayalakshmi	Design of a robust PID-PSS for an uncertain power system with simplified stability conditions	Protection and Control of Modern Power Systems	[5 article no 20]-September-2020	5:20-1-16	SCIE
149	P Devendra	Implementation of grasshopper optimization algorithm for closed loop speed control of BLDC motor drive	International Journal of Swarm Intelligence	[Vol 4, No. 2]-December-2019	143-154	Scopus
150	RVS Lakshmi kumari	Analysis of multi area load frequency control system with fruitfly algorithm	Journal of advanced research in dynamical & control systems	[Vol10, 10-special issue]-December-2018	2669-2678	Scopus
151	P Devendra	Experimental Implementation Of Flower Pollination Algorithm for Speed Controller of BLDC Motor	Ain shams engineering journal	[10(2)]-April-2019	287-295	SCIE
152	Devendra Potnuru	A Nonlinear load frequency controller for hydro power plants.	International Journal for ambient energy	[Vol 42, No.5]-October-2018	203-210	Scopus
153	M Krishna	Stabilized Power Management in the Microgrid Using Unified Delta Controller	Journal of Electric Systems	[Vol 17, issue 3]-September-2021	376-388	Scopus
154	R.V.S. lakshmi Kumari	Usage Based Loss Allocation To Generators In Single Area Power System	International Journal on Design Engineering	[issue-7]-NA-2021	9562-9572	scopus

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A.ECE

155	A. MAHESH BABU	Performance Analysis of STBC Channel Coding Techniques for LTE Advanced Systems	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	[7]-April-2019	-	UGC
156	Dr. P A Nageswara Rao	Design and Performance Analysis of Pentagon Shaped Microstrip Patch Antenna	International Journal of Innovative Technology and Exploring Engineering™(s)	[8]-June-2019	1591-1595	Scopus
157	Dr. P A Nageswara Rao	Performance Analysis of Pentagon Shaped Microstrip Patch Antenna with Different Substrate Materials	International Journal of Recent Technology and Engineering (IJRTE)(s)	[8]-July-2019	1062-1066	Scopus
158	Dr. P A Nageswara Rao	Design and Performance Characteristics of Irregular Microstrip Patch Antenna Arrays	International Journal of Engineering and Advanced Technology (IJEAT)(s)	[9]-October-2019	4588-4592	Scopus
159	Dr. P A Nageswara Rao & Dr.Ch Manohar Kumar	IoT based video Surveillance system	International Journal of Innovative Research in Computer Science & Technology (ICI)	[10]-March-2022	44932	-
160	Dr. S. Krishna Veni	Design and Comparison of Microstrip Patch Antennas for Wireless Body Area Network	IJET(international journal of Engineering and Technology)	[7]-September-2018	167-170	Scopus
161	Dr. V. Adinarayana	A Comparison of Optimal RRTNOMA and OMA in a Paradigm Shift of Emerging Technologies Using Deep Learning Analysis	Mathematical Statistician and Engineering Applications	[71]-August-2022	1168-1182	SCOPUS
162	Dr. V. Adinarayana	A Compact Rectangular Dual Patch Antenna for Multiple Satellite Communication Applications	Wireless Personal Communications(SCI)	[NA]-August-2021	1007–1041	Science Citation Index Expanded
163	Dr.Ch Manohar Kumar	2:1 Multiplexer Design Using Lector, LCnmos, LCpmos Power Reduction Techniques with 45nm, 90nm, 180nm CMOS Technology	International Journal of Innovative Research in Computer Science & Technology (ICI)	[9]-May-2022	45281	-

164	Dr.Ch Manohar Kumar	Design of Multiband Antenna Using Fractal and DGS Techniques	International Journal of Innovative Research in Engineering & Management (IJIREM) (ICI)	[9]-June-2022	51-65	-
165	Dr.Ch Manohar Kumar	A Novel Foot Shaped EEP-UWB Antenna with Quadruple Band Notch Characteristics Verified by Characteristic Mode Analysis	International Journal of Communication Systems(SCI &(SCOPUS))Wiley-Blackwell	[NA]-June-2022	44945	SCI & SCOPUS
166	Dr.Ch Manohar Kumar	DESIGN OF TRI BAND AND DUAL BAND ANTENNA USING META CELL	International Journal of Innovative Research in Computer Science & Technology (ICI)	[10]-November-2022	-	-
167	Dr.Ch Manohar Kumar	Verification of UART and I2C Protocols Using System Verilog	International Journal of Innovative Research in Computer Science & Technology (ICI)	[11]-March -2023	58-61	-
168	Dr.Ch Manohar Kumar	SELF-SECURE FIRMWARE MODEL FOR BLOCKCHAIN-ENABLED IOT ENVIRONMENT TO EMBEDDED SYSTEM	Eur. Chem. Bull	[12]-March -2023	653-660	SCOPUS
169	Dr.Ch Manohar Kumar	A Compact UWB Fractal Antenna For Wireless Communication Applications	International Journal of Research and Analytical Reviews	[6]-May-2019	738-745	-
170	Dr.Ch Manohar Kumar	Effect of Metamaterial on a Triangle Shaped Multi-Band Patch Antenna	Journal of Emerging Technologies and Innovative Research	[6]-March -2019	83-89	-
171	Dr.Ch Manohar Kumar	CIRCULAR SLOTTED MULTIBAND ANTENNA FOR X-BAND AND Ka-BAND APPLICATIONS	International Journal of Research and Analytical Reviews	[6]-March-2019	-	UGC
172	Dr.Ch Manohar Kumar	A Rhombus Shaped Metamaterial inspired antenna in the Ground plane for X band Applications	International Journal of Recent Technology and Engineering(S)	[8]-May-2019	2667-2671	Scopus
173	Dr.Ch Manohar Kumar	A Compact Ultra-Wide Band Rhombus Shaped Fractal Antenna With Metamaterial In the Ground Plane	International Journal of Engineering and Advanced Technology (IJEAT)(s)	[8]-August-2019	1349-1354	Scopus

174	Dr.Ch Manohar Kumar	Development Of Flexible Organic Wireless Rf Devices Utilizing Doppler Radar Fabric Antenna	International Journal of Aquatic Science	[12]-February-2021	-	Web of Science
175	Dr.Ch Manohar Kumar	A Novel Compact Fractal UWB Antenna with Dual Band Notched Characteristics	Analog Integrated Circuits & Signal Processing	[NA]-October-2021	349-360	SCI & SCOPUS
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178	Dr.S Krishna Veni	Design of CCAA for Optimized Difference Patterns	International Journal Of Innovative Technology and Exploring Engineering	[9]-June-2020	-	Scopus
179	Dr.S Krishna veni	Design of a Compact ISM-band Microstrip Slot Antenna for Wireless Sensor Nodes	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	[NA]-October-2022	1958-1964	web of science & UGC
180	Dr.S Krishna veni	A Compact Dual-Band Octal Patch Loaded with Bow-Tie Parasitic MIMO Antenna Design for 5G mm-Wave Wireless Communication	Progress In Electromagnetics Research C	[133]-May-2023	121-134	SCOPUS
181	Dr.S Krishna veni	A Novel Quadrangular Slotted DGS with a Wideband Monopole Radiator for Fifth-Generation Sub-6GHz Mid-Band Applications	Progress In Electromagnetics Research C	[133]-May-2023	109-120,	SCOPUS
182	Dr.S Krishna Veni	Massive MIMO Receiver Design with Channel State Information	Design Engineering	[NA]-June-2021	10350-10361	Scopus
183	Dr.S Krishna Veni/ Dr.P A Nageshwarao /N.Sowmya	Defected Ground Structures(DGS) based microstrip Patch Antenna for C band Applications	Solid State Technology	[63]-April-2020	-	SCOPUS
184	Mr. S. Sandeep	Angle of arrival estimation in smart antenna for wireless communication	IJET(international journal of Engineering and Technology	[7]-December-2018	136-140	Scopus

185	Mr. S. Sandeep	A Comprehensive Parametric Analysis of Vertical Handoff Using Ant Colony Optimization	IJET(international journal of Engineering and Technology	[7]-November-2018	186-189	Scopus
186	Smt. T.S. Jyothi Lakshmi & Mr. S. Sandeep	Configuration of anti-collision system for stacker and reclaimers	International journal of advanced Research,Ideas and Innovations in technology	[5]-April-2019	-	-
187	Mr. S. Sandeep	Drunk and Drive detection using Raspberry Pi	International Journal of Trend in Scientific Research and Development	[3]-April-2019	-	-
188	Mr. S. Sandeep	Life Saving integrated Wireless Health Monitoring System	International Journal of Research and Analytical Reviews	[7]-June-2020	-	UGC
189	Mr.A.Mahesh Babu	Massive MIMO Receiver Design with Channel State Information	Design Engineering	[NA]-JUNE-2021	10350-10361	Scopus
190	Mr.S Sandeep/Jyothi Lakshmi T S	Empirical Analysis of Intelligent Handover Mechanism using Numerous Fuzzy Strategies	International Journal of Innovative Technology and Exploring Engineering (IJITEE)(s)	[10]-July-2019	259-264	Scopus
191	Mr.S.Venkatesh	Robotic Arm using ESP32 Microcontroller with Browser Control	International Journal of Scientific Research in Engineering and Management (IJSREM)	[5]-July-2021	-	-
192	Mr.S.Venkatesh	Leakage Reduction in 180nm CMOS Full Adder using Modified Lector Technique	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	[7]-April-2019	-	UGC
193	N.sowmya	A Compact UWB Fractal Antenna For Wireless Communication Applications	International Journal of Research and Analytical Reviews	[6]-May-2019	-	UGC
194	Mr.S.Venkatesh & N.sowmya	Dynamic Power Reduction in Digital VLSI Circuits Using Stacked LCNMOS	International Journal of Advanced Research in Science and Technology	[7]-August-2018	757-760	UGC
195	Smt. T.S. Jyothi Lakshmi	Angle of arrival estimation in smart antenna for wireless communication	IJET(international journal of Engineering and Technology	[7]-September-2018	136-140	Scopus

ANNEXURE 3.7: SCHOOL OF MEDICINE

SNO	2019
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ANNEXURE3.8: SCHOOL OF SCIENCES

S.NO	Faculty Name	Title	Journal Name	Volume	PP	Indexing	I.F
INTERNATIONAL							
A.PHYSICS							
1	Dr.N.S.S.V.Raja Rao	Synthesis, Structural and Morphology studies of GaN doped ferrite	International Journal of Management Technology and Engineering	[IX]-March-2019		UGC	
2	Dr. Santhosh Kumar Dhavala	Structural, Electrical and Magnetic Studies on Cu(1-x)ZnxFe2O4 Nanoparticles Synthesized by Co-Precipitation method	International Journal of Advanced Research in Science and Technology (IJARST)	[1]-JANUARY-2020	797-817	UGC	-
3	Dr. S.K. Tripathy	Impact of Concentration of Nanoparticles on Characteristics of Transformer Oil	Journal of Nano and Electronic Physics	[12]-August-2020	04019-4pp	Scopus Indexed	0.213
4	Dr. S.K. Tripathy	Microstructure Analysis of Friction Stir Welding of Aluminum Alloy 6061 Coated with Copper Nanofilm.	Journal of Nano and Electronic Physics	[13]-August-2021	04037-4p	Scopus Indexed	0.213
5	Dr. S.K. Tripathy	Effect of Grain size on strain in a copper oxide Nanofilm for gas sensing applications	Journal of nano and Electronic Physics	[11]-June-2019	5040	Scopus Indexed	0
6	Smt P.V. Rajeswari	Bacterial pigments coupled TiO2?carbon nanohybrid: understanding the interfacial effect on enhanced Fluorescence	Applied nanoscience	[11]-July-2021	2009-2018	Scopous	3.674
7	S. K. Tripathy	Structural, optical, magnetic and dielectric studies of SnO2 nanoparticles in real time applications	Physica B: Condensed Matter	[565]-April-2019		SCI	
8	Dr. R. Praveena	Surface Plasmon resonance, photoluminescence and surface enhanced Raman scattering behavior of Ag/ZnO, ZnO/Ag and ZnO/Ag/ZnO thinfilms	Physica B: Condensed Matter	[555]-Nov-2018		SCI	
9	Ch. Rajesh	Pure and copper doped cellulose microfibers-A case study	Materials Research Express	[5]-Oct-2018		SCI	
10	Ch. Rajesh	An Ultrasonication Based Facile Protocol to Synthesize Mesoporous Nanocrystalline TiO2 as Photo Anode for Application in Quantum Dot/Perovskite Sensitized Solar Cell	Journal of Electronic Materials	[48]-May-2019		SCI	

11	Ch. Rajesh	Improved Light Efficiency in Si Solar Cells by Coating Mesoporous TiO ₂ and Cu modified Mesoporous TiO ₂	Solar Rapid Research Letter	[2]-Dec-2018		SCI	
12	Ch. Rajesh	Mn Modified Mesoporous TiO ₂ particles- Synthesis, Characterization and Photovoltaic Application	Journal of Electronic Materials	[48]-May-2019		SCI	
13	Ch. Rajesh	Solvothermal Synthesis of BiVO ₄ /WO ₃ heterostructures and their Applicability Towards Electrochemical Water Oxidation Reaction	The European Physical Journal Plus	[134]-May-2019		SCI	
14	Ch. Rajesh	Studies on Structural and Optical Properties of Nano ZnFe ₂ O ₄ and ZnFe ₂ O ₄ -TiO ₂ Composite Synthesized by Co-precipitation Route	Materials Chemistry and Physics	[230]-May-2019		SCI	
15	Dr. B. Nagarjun	Titanium Doped Barium Ferrite – A Case Study	Advanced Science Engineering and Medicine	[12]-October-2020	1323-1327	Others Listed By UGC	0
16	Smt P.V. Rajeswari	Green synthesis of Cr ³⁺ doped CaIn ₂ O ₄ -carbon hybrid nanostructure and its light absorption and emission properties	Journal of Nanoscience and Nanotechnology	[19]-December-2019	8120-8125	Scopus	1.354
17	Dr. S.K. Tripathy	Study of the structural optical dielectric and magnetic properties of copper doped SnO ₂ Nanoparticles	Journal of Electronic Materials	[49]-March-2020	3540	SCI Indexed	1.676
18	Dr. R. Praveena	Neodymium-doped magnesium based phosphate glasses for NIR laser applications at 1.05 microm	Material Research Express	[6]-July-2019	96204	SCI Indexed	1.449
19	Dr. R. Praveena	Optical absorption and NIR photoluminescence of Nd ³⁺ -activated strontium phosphate glasses	J. Electronic materials	[0]-July-2020	0	SCI Indexed	0
20	Dr. R. Praveena	spectroscopic properties of Nd ³⁺ -doped boro-bismuth glasses for laser applications	Physica B	[646]-September-2022	414327	SCI Indexed	2.998
21	Dr. R. Praveena	Tailoring the emission behaviour of WO ₃ thin films by Eu ³⁺ ions for light emitting applications	Nanomaterials	[13]-December-2022	1	SCI Indexed	5.719
22	Dr. R. Praveena	Influence of Holmium ions on the structural and optical properties of barium tellurite glasses	Optical Materials	[136]-January-2023	113438	SCI Indexed	3.754
23	Dr. R. Praveena	Synthesis, structure, Stokes and anti-Stokes visible luminescence of Tm ³⁺ -Yb ³⁺ codoped Lu ₃ Sc ₂ Ga ₃ O ₁₂ nanorods	J. Korean Physical Society	[81]-October-2022	991	SCI Indexed	0.657

24	Dr. Ch. Rajesh	Simple synthesis, structural and optical properties of cobalt ferrite nanoparticles	The European Physical Journal Plus	[134]-June-2019	296	SCI Indexed	2.612
25	Dr. Ch. Rajesh	Potato starch assisted sodium hydrogen titanium oxide/titanium dioxide nanostructures and annealing effects	Applied Physics A	[128]-January-2022	163	SCI Indexed	2.983
26	Dr. Ch. Rajesh	Enhanced water oxidation reaction activity of Mn ₃ O ₄ nanocrystals in an alkaline medium by doping transition-metal ions	Nanofutures	[6]-June-2022	25007	SCI Indexed	4.07
27	Dr. Ch. Rajesh	Tuning of emission from copper doped ZnSe quantum dots	Physica Scripta	[94]-November-2019	19806	SCI Indexed	2.151
28	Dr. Ch. Rajesh	Structural, electrical and magnetic properties of cobalt ferrite with Nd ³⁺ doping	Rare Metals	[41]-January-2022	240	SCI Indexed	6.318
29	Dr. Ch. Rajesh	Improvement in the light conversion efficiency of silicon solar cell by spin coating of CuO, ZnO nanoparticles and CuO/ZnO mixed metal nanocomposite material	Solar Rapid Research Letter	[99]-September-2022	100653	SCI Indexed	0.243
30	Dr. Ch. Rajesh	Tailoring of crystal phase, morphology and optical properties of ZnO nanostructures by starch assisted co-precipitation synthesis and annealing	The European Physical Journal Plus	[135]-January-2020	112	SCI Indexed	2.612
31	Dr. Ch. Rajesh	Synthesis and optical properties of Mn-doped CaWO ₄ nanoparticles	Physica Scripta	[95]-March-2020	35806	SCI Indexed	2.151
32	Smt P.V. Rajeswari	Mo/W/Al doped tin oxide thin films: exploring optical and mechanical properties for transparent protective coating applications.	European Physical Journal, Applied Physics	[96]-September-2021	1	SCI Indexed	1.168
33	Smt P.V. Rajeswari	N/O-Rich Porous Carbon Adsorbent from Coffee-Residue toward Ni(II) Removal from Surface Water	Surface and Interfaces	[44]-August-2022	241-249	SCI Indexed	0.484
34	Smt P.V. Rajeswari	Core-shell synergy and Eu ³⁺ doping in boosting charge transfer in Eu ³⁺ doped TiO ₂ -carbon core-shell nanohybrids: Sustainable synthesis and visible light-driven photocatalysis	Applied Surface Science	[492]-October-2019	472-486	SCI Indexed	5.1
35	Dr. B. Rajesh Babu	Enhanced humidity sensing and magnetic properties of bismuth doped copper ferrites for humidity sensor applications	Journal of Alloys and Compounds	[848]-December-2020	156577-10	SCIE	6.2

36	Dr. B. Rajesh Babu	Influence of Ruthenium on flexible polyvinylidene fluoride/ BiKFe ₂ O ₅ multi ferroic nanocomposite	Materials today: proceedings	[27]-June-2020	1909-1911	Scopus	-
37	V. Siva Jahnavy	Study of structural, optical, dielectric and magnetic properties of Copper doped SnO ₂ nanoparticles	Journal of Electronic materials	[49]-July-2020	3540-3554	SCIE	2.1
38	Dr. Ch.S.Lakshmi	Dielectric properties of Superpara magnetic Titanium doped Nanophased Mn –Zn ferrites for High Frequency Applications	Materials Research Express	[6]-NA-2020	126117-113	SCIE	2.3
39	Dr. B. Rajesh Babu	Effect of Pr ³⁺ -doping on the structural, elastic and magnetic properties of Mn–Zn ferrite nanoparticles prepared by solution combustion synthesis method	Chemical Data Collections	[24]-December-2019	1-9	Scopus	-
40	Dr. B. Rajesh Babu	Correlation Between Structural, Magnetic and Dielectric Properties of Microwave Sintered Ni-Zn Al Nanoferrites	Journal of Superconductivity and Novel Magnetism	[32]-May-2019	3525-3534	SCI	1.8
41	Dr. B. Rajesh Babu	Mn Modified Mesoporous TiO ₂ Particles: Synthesis, Characterization and Photovoltaic Application	Journal of Electronic Materials	[48]-May-2019	5075-5079	SCI	2.1
42	Dr. B. Rajesh Babu	Structural, electrical and magnetic properties of cobalt ferrite with Nd ³⁺ doping	Rare Metals	[41]-August-2019	240-245	SCI	8.8
43	V. Siva Jahnavy	Structural, optical, magnetic and dielectric studies of SnO ₂ nano particles in real time applications	Physica B: Condensed Matter	[565]-July-2019	61-72	SCI	2.8
44	Dr. B. Rajesh Babu	Adsorptive removal of toxic Methylene Blue and Acid Orange 7 dyes from aqueous medium using cobalt-zinc ferrite nanoadsorbents	Desalination and Water Treatment	[150]-May-2019	374-385	SCIE	1.273
45	Dr. B. Rajesh Babu	Enhancement in magnetic and electrical properties of Ni substituted Mg ferrite	Materials Science-Poland	[36(4)]-May-2018	644-654	SCI	1.1
46	Dr. B. Rajesh Babu	Influence of Zn substitution on structural, magnetic and electrical properties of MgFe ₂ O ₄	Journal of Electronic Materials	[47]-March-2018	2997–3004	SCI	2.1

47	Dr. B. Rajesh Babu	Structural, Magnetic, and Dielectric properties of conventional- and Microwave-Sintered Ni _{0.6} Zn _{0.4} -xCu _x Fe ₂ O ₄	Journal of Superconductivity and Novel Magnetism	[31]-August-2018	1199-1207	SCI	1.8
48	Dr. B. Rajesh Babu	Elastic properties and antistructural modelling for Nickel-Zinc ferrite-aluminates	Material Chemistry and Physics	[207]-January-2018	534-541	SCI	4.6
49	Dr. B. Rajesh Babu	Composition dependence of structural, magnetic and electrical properties of Co substituted magnesium ferrite	Physica B:Physics of Condensed Matter	[528]-October-2018	18-23	SCI	2.8
50	Dr. B. Rajesh Babu	Investigation of structural, magnetic, and electrical properties of Ru doped brownmillerite oxide: KBiFe ₂ O ₅	Materials Chemistry and Physics	[280]-March-2022	125812	SCI	4.6
51	Dr. B. Rajesh Babu	Development of graphene oxide based hybrid metal oxide nanocomposites of GO-SnO ₂ /ZnO/Fe ₃ O ₄ , GO- SiO ₂ /ZnO/Fe ₃ O ₄ for energy applications	Physica B: Condensed Matter	[603]-February-2021	412749-1-9	SCI	2.8
52	Dr. B. Rajesh Babu	Structural, Magnetic and DC Electrical Resistivity Studies of Ni-Zn-Cr Ferrites Prepared by the Citrate-Gel Auto-Combustion Method	J Inorg Organomet Polym	[31]-March-2021	1163-1175	SCI	4
53	Dr. B. Rajesh Babu	Structural, magnetic and antibacterial studies of gadolinium doped cobalt ferrite nanoparticles synthesized at low temperature	Adv. Nat. Sci: Nanosci. Nanotechnol.	[14]-March-2023	15005	Scopus	-
54	Dr. B. Rajesh Babu	Structural, Magnetic Evaluation of Neodymium Doped Nickel-Zinc-Iron Soft Spinel Metal Oxides for Humidity Sensor Applications	Ferroelectrics Letters Section	[49]-November-2022	72-84	Scopus	-
55	Dr. Ch.S.Lakshmi	Studies on nano crystalline copper doped Nickel Zinc ferrites for optoelectronic applications	Journal of Luminescence	[252]-December-2022	119314	SCI	4.171
56	Dr. Ch.S.Lakshmi	Evidence of Super paramagnetism in Nano phased copper Doped Nickel Zinc Ferrites Synthesized by Hydrothermal Method	Optik - International Journal for Light and Electron Optics Elsevier	[247]-December-2021	167874-1-20	SCI	3.1
B.CHEMISTRY							
57	Dr T. Manikya Sastry	Application of oxidative coupling reaction using Brucine and Sodium periodate as chromogenic reagent for the assay of Perindopril Erbumine in formulations	Journal of Turkish Chemical Society	[8]-July-2021	803-810	SCOPUS	1.08

58	Dr T. Manikya Sastry	Assay of Tretinoin using Safranin-O as a Chromogenic Reagent in Bulk and Dosage Forms	Journal of Turkish Chemical Society	[10]-January-2023	139-146	SCOPUS	1.08
59	Dr K.V. Nagalakshmi	Oxidation of [Fe(phen) ₃] ⁺² by Periodate: Kinetic Study in the Water Pools of CTAB Reverse micelles,	Journal of Chemical Technology and Metallurgy	[57(6)]-November-2022	1099-1103	SCOPUS	0.196
60	Dr K.V. Nagalakshmi	CTAB Reverse Micelles as Catalysts for the Oxidation of Ascorbic Acid by K ₃ [Fe(CN) ₆],	Bulliten of Chemical reaction Engineering and catalis	[17(1)]-March-2022	157-160	SCOPUS	0.316
61	Dr K.V. Nagalakshmi	Kinetics of base hydrolysis of tris(1,10-phenanthroline) iron (ii) complex in the presence of mixed surfactants of sodium dodecyl sulphate and triton x- 100, synergism and catalytic property of mixed micelles	Journal of Chemical Technology and Metallurgy	[56(6)]-November-2021	1219-1224	SCOPUS	0.196
62	Dr K.V. Nagalakshmi	Kinetic Study of SN ₂ Reaction between Paranitrophenyl Benzoate and Hydrazine in the Presence of CTAB Reverse Micelles	Bulletin of chemical reaction engineering and catalysis	[16(4)]-December-2021	744-751	SCOPUS	0.316
63	Dr K.V. Nagalakshmi	Acid Hydrolysis of Bis(2,2';6',2''-Terpyridyl)Iron(II)Complex in the water pools of CTAB/Heaxane/Cloroform Reverse micelles-A kinetic Study in confined Medium	Bulletin of chemical reaction engineering and catalysis	[15(3)]-December-2020	853-860	SCOPUS	0.316
64	Dr. B. Santosh Kumar	A novel method for the synthesis of 3-aminoindoles using iodine and Cs ₂ CO ₃ as catalyst	Chemical Data Collections	[33(1)]-April-2021		Scopus	0.217
65	Dr. B. Santosh Kumar	Synthesis, antimicrobial evaluation and in silico studies of novel 3,4-disubstitutedpyrrolidinesulfonamides	Chemical Bulletin of Kazakh National University	[4]-December-2019	28-40	SCOPUS	0.11
66	Dr K.V. Nagalakshmi	Kinetics of oxidation of [Fe(phen) ₃] ⁺² by persulphate : Catalysis in the Water pools of CTAB reverse micelles	Bulgarian chemical communications	[51(4)]-October-2019	494-496	SCOPUS	0.168

67	Dr. T. Manikya Sastry	Development and Validation of Stability Indicating HPLC Method for the Determination of Impurities in the Sterile Mixture of Cefoperazone and Sulbactam	Current Pharmaceutical Analysis	[15]-July-2018		SCI	
68	Dr. T. Manikya Sastry	A Stability Indicating UPLC Method for Determination of Temozolomide and its Related Substances in Bulk and Finished Dosage Forms	Asian Journal of Chemistry	[30]-July-2018		SCOPUS	
69	Dr. K.V. Nagalakshmi	Kinetics of oxidation of toluidine blue by periodate: Catalysis by water pools of CTAB	Current Chemistry Letters	[7]-August-2018		SCOPUS	
70	Dr. K.V. Nagalakshmi	Kinetic study of the Oxidation of Thiosulphate by Hexacyanoferrate(III) in water pools of CetylTrimethyl Ammonium Bromide Reverse Micelles	Journal of Chemical technology and metallurgy	[54]-January-2019		SCOPUS	
71	Dr T. Manikya Sastry	Validation of Stability indicating HPLC method for the determination of impurities in the sterile mixture of cefoperazone and sulbactam	Current pharmaceutical Analysis	[15]-October-2019	762-775	SCIE	0.743
72	Dr T. Manikya Sastry	Determination of perindopril erbumine by oxidative coupling reaction using 2, 6-dichloroquinone-4-chlorimide	BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES	[58]-August-2022	09-Jan	SCIE	1.214
73	Dr K.V. Nagalakshmi	Kinetics of Base Hydrolysis of Bis (2,2' : 6',2"-Terpyridine) Iron(II) Complex in the Water Pools of CTAB Reverse Micelles	Russian J.Of Physical Chemistry	[15(6)]-November-2021	965-968	SCIE	1.29
74	Dr. B. Santosh Kumar	A sustainable protocol for the synthesis of highly substituted dihydropyridines using Cu ₅ (PW ₁₀ V ₂ O ₄₀) ₂ as an efficacy and reusable heterogeneous catalyst	Inorganic chemistry Communications	[152]-April-2023	110677	SCIE	3.428
75	Srinivasa Rao Pedadaa	Cationic surfactant influence on ternary complexes of CoII, NiII, CuII and ZnII ions with aspartic and citric acids	Current Chemistry Letters	[Vol 12]-NA-2023	297-304	Scopus	-
76	Srinivasa Rao Pedadaa	Effect of triton-X100 on ternary complexes of cobalt(II), nickel(II), copper(II) & zinc(II) with aspartic and citric acids	Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry	[Vol 60A]-February-2021	236-242	Scopus	-

77	Padmavathi K.V	Bio-molecules assisted synthesis of Silver nanoparticles for bio-evaluation	International Journal of Advances in Engineering and Management (IJAEM)	[4 (6)]-November-2022	1072-1076	-	-
78	Padmavathi K.V	Facile and Green Synthesis of Carboxy Methyl Cellulose Stabilized Bio-Functionalized Gold Nanoparticles and Its Catalytic Activity	Journal of Pharmaceutical Research International (JPRI)	[NA]-April-2022	NA	-	-
C.COMPUTER APPLICATIONS							
79	Dr. Bh. padma	A Novel Approach to Thwart Security Attacks on Mobile Pattern Authentication Systems	IJCNIS, DOI: 10.5815/ijcnis.2018.05.03	[NA]-May-2018	NA	-	-
80	Mr.Ch.Rajesh Patnaik	Bipartite Graph based frequent pattern mining using maximum degree of a vertex.	Bulletin Monumental	[22]-July-2021	NA	-	-
81	Mr.Ch.Rajesh Patnaik	Survey of Deduplication techniques and application of their methodologies in Cloud	Design Engineering	[7]-NA-2021	NA	-	-
D. MATHEMATICS							
82	Mr.I S N R G Bharat	Generalized Quasilinearization for PBVP through coupled lower and upper solutions of the IVP, Dynamics of Continuous Discrete and Impulsive Systems, Watam Press,	discrete and continuous dynamical systems-series b	[26]-September - 2019	371-380	SCOPUS	1.43
83	Dr J Satish	Experimental Investigation on Crack Localization in Steel and Composite Structures by Intersection of First Three Normalized Mode Shape Curves	J Fail. Anal. and Preven.	[22]-September - 2022	1970-1981	SCOPUS	1.27
84	Dr Ch V Sreedhar	Generalized Quasilinearization using coupled lower and upper solutions Periodic Boundary Value Problem of an Integro differential Equation	European Journal of Pure and Applied Mathematics	[12]-October-2019	1662-1675	SCOPUS	0.569
85	Dr.A.R.J.Srikanth, Dr.RVG Ravi Kumar	Core Rough Set Algebra and its connection to Core Regular Double Stone Algebra	Journal of Indian mathematical society	[86]-October-2019		SCOPUS	0.217
86	Dr.J. Vasundhara Devi	Strong Litact Domination in graphs	Journal of Adv Research in Dynamical & Control Systems	[10]-July-2018		SCOPUS	
87	Dr.J. Vasundhara Devi	Total Litact Domination in Graphs	Journal of Adv Research in Dynamical & Control Systems	[10]-October-2018		SCOPUS	

88	Dr.J. Vasundhara Devi	New limit definition of fractional derivatives: Toward improved accuracy and generalization	Malaya Journal of Matematik	[7]-March-2019		UGC	
89	Sri A.R.J. Srikanth	Ideals of Core Regular Double Stone Algebra	Asian European Journal of Mathematics	[11]-December-2018		SCOPUS	
90	Sri A.R.J. Srikanth	Core Rough Algebra and its Connecton with Core Regular Double Stone Algebra	Journal of the Indian Math. Soc.	[86]-April-2019		SCOPUS	
91	Dr.J. Satish	Anisotropic Bianchi Type-VI0 Two Fluid Cosmological Model Coupled with Massless Scalar Field and Time-Varying G and Λ	Bulgarian Journal of Physics	[46]-March-2019		UGC	
92	Dr J Satish	LRS Bianchi Type II String Model with Variable Deceleration Parameter in f(R, T) Gravit	African Physical Society	[14]-December-2019	116-121	SCOPUS	0.36
93	Dr.J. Vasundhara Devi	Connected Edge Litact Domination in Graphs	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	[8]-September -2019	1593-1596	SCOPUS	0.102
94	Dr.J. Vasundhara Devi	Strong Split Litact Domination in Grap	International Journal of Recent Technology and Engineering (IJRTE)	[8]-September -2019	7296-7300	SCOPUS	0.102
95	Mr. Ganti Srikanth	A note on the solutions of cubic equations of state in low temperature region	Journal of Molecular Liquids	[315]- October -2020	1 to 7	SCI	6.633
96	Dr.K.V.S.Sarma	An extension of the paper “MaximumDistance in Graphs”	International Journal of Mathematics Trends and Technology (IJMTT)	[65 (6)]-May-2019	54-60	UGC	-
97	Dr.K.V.S.Sarma	On Some Topological Indices of Tensor Product Graphs	International Journal of Mathematics Trends and Technology	[64 (1)]-May-2018	37-45	UGC	-
98	D Bharathi	Global existence and blow up solutions for a p-Kirchhoff type parabolic equation with logarithmic nonlinearity	Journal of Elliptic and Parabolic Equations	[Vol. 8]-August-2022	919–938	ESCI	0.8
99	D Bharathi	Finite time blow up and existence of global solutions for a logarithmic semilinear hyperbolic eaction	Mathemetica	[Vol. 64 (87), No. 2]-November-2022	265–276	Scopus	-

100	D Bharathi	Denumerably many positive radial solutions to iterative system of nonlinear elliptic equations on the exterior of a ball	Nonlinear Dynamics and Systems Theory	[Vol. 23, No. 1]-February-2023	95-106	Scopus	-
101	Dr. G Sudheer	Identification of Spatial Relations in Mathematical OCR Expressions	Reliability: Theory & Applications	[No 5 (65), Vol 16]-Dec-2021	346-353	Scopus	-
102	D Bharathi	Denumerably many positive radial solutions for the iterative system of elliptic equations in an annulus,	Palestine Journal of Mathematics	[Vol.11, No. 1]-January-2022	549-559	Scopus	-
103	D Bharathi	Denumerably many positive radial solutions for the iterative system of Minkowski-Curvature equations, Interanational Journal of NonlinearAnalysis and Applications	International Journal of Nonlinear Analysis and Applications (IJNAA)	[Vol. 13, No. 1]-February-2022	3613–3632	Scopus	-
104	D Bharathi	Global existence and blow up solutions for a semilinear Klein-Gordon equation with the product of logarithmic and power type nonlinearity	Annali dell' Universita' Di ferrara	[Vol. 68]-April-2022	187–201	Scopus	-
105	Dr. G Sudheer	A note on the solutions of cubic equations of state in low temperature region	Journal of Molecular Liquids	[315]-July-2020	113808-17	SCIE	-
106	A.Kameswara Rao	Multiple positive solutions for a system of fractional higher order infinite point boundary value problems	TWMS J. Applied and Engineering Mathematics	[10 (1)]-January-2020	34-46	Scopus	-
107	Dr. G Sudheer	Effect of Pleural Membrane on the Propagation of Rayleigh Waves in Inflated Porous Lungs A study	IEEE ACCESS	[Vol 7]-June-2019	85169-85177	SCI	3.367
108	K. L. Sai Prasad	On a class of KP-Kenmotsu manifolds admitting Quarter-Symmetric metric connection	Far East Journal of Mathematical Sciences	[Vol 115, No.2]-February-2019	157-169	Scopus	-
109	Sudheer Gopinathan	Free longitudinal vibrations of functionally graded tapered Axial Bars by Pseudo Spectral Method	Journal of Vibro engineering	[Vol 20, issue 5]-August-2018	2137-2150	SCI	4.262
110	K. L. Sai Prasad	Certain curvature conditions on Lorentzian para-Kenmotsu manifolds	Reliability: Theory & Applications	[Vol. 17, Issue 2(68)]-June-2022	413-421	Scopus	-
111	K. L. Sai Prasad	Curvature tensors in SP-Kenmotsu manifolds with respect to quarter-symmetric metric connection	Reliability: Theory & Applications	[Vol. 16, Issue 4(65)]-December-2021	210-218	Scopus	-

112	K. L. Sai Prasad	On a class of Lorentzian para-Kenmotsu manifolds admitting the Weyl-projective curvature tensor of type (1, 3)	Italian Journal of Pure and Applied Mathematics	[45]-October-2021	990-1001	Scopus	-
113	Dr. G Sudheer	Influence of the oxide layer on the quality of bonding in adhesively bonded metallic structures by ultrasonic guided waves	International Journal of Adhesion and adhesives	[111]-December-2021	102981-1-8	SCIE	3.4
114	A. Kameswara Rao	Multiple positive solutions to nonlinear boundary value problems of a system for generalized p-Laplacian fractional differential equations	International Journal of Pure and Applied Mathematics	[117]-January-2018	547-562	Scopus	-
115	Dr. Santhosh Kumar Dhavala	Synthesis and antimicrobial activity of 2-(Piperzin-1-YL)-2, 5-Dihydropyrimidine Analogues Containing [1, 3, 4] Oxadiazole Ring	International Journal of Research in Engineering and Applied Sciences	[6]-JULY-2021	27-36	SCOPUS	-

NATIONAL

A.CHEMISTRY

116	Dr T. Manikya Sastry	Validated stability indicating uplc method for afatiniband its impurities in pharmaceutical dosage form	Indian Drugs	[57]-November-2020	27-39	SCOPUS	0.19
117	Dr T. Manikya Sastry	Analytical method for the assay of Perindopril Erbumine in formulations by ion association complex formation using Tropaeolin OOO (TPOOO).	J. Indian Chem. Soc	[96]-December-2019	1539-1544	SCIE	0.24
118	Dr T. Manikya Sastry	Extraction-spectrophotometric determination of an ACE inhibitor with Naphthol blue black in formulations	J. Indian Chem. Soc.	[97]-October-2020	1614-1619	SCIE	0.24
119	Dr K.V. Nagalakshmi	Effect of CTAB Reverse Micelles on the Kinetics of Aminolysis of p-Nitrophenyl Acetate by Hydrazine –An Organic Reaction in Reverse Micellar Media	J. Indian Chem. Soc	[97]-December-2020	1.-5	SCIE	0.24
120	Padmavathi K.V	Reduction of p-nitroaniline using plant mediated co-nps: a green perspective	Journal of Chemistry and Technologies	[30(1)]-Febraury-2022	21-25	SCIE	0.6

B.COMPUTER APPLICATIONS

121	Mr.P. Venkat Rao	Implementation of Multi-Authentication Techniques to Provide High Security	Symposium on “Contributions of Life Sciences and Biodiversity for Human Welfare”	[NA]-September-2018	NA	-	-
122	Mrs.P.RatnaPavani	Text message cryptography using musical nodes	Symposium on “Contributions of Life Sciences and Biodiversity for Human Welfare”	[NA]-September-2018	NA	-	-
123	Dr.D.Chandravathi	Data Encryption using Binary Tree Traversal	Symposium on “Contributions of Life Sciences and Biodiversity for Human Welfare”	[NA]-September-2018	NA	-	-
124	Prof.I.S.Pallavi	A New Authentication RSA Homomorphic Encryption Technique for Prime Factorization-Based Attacks Scheme using Brahmagupta Fibonacci identity for Cloud Data Security	International Conference,(ICRAIT 2022)	[NA]-September-2022	NA	-	-
125	Mr. B. Diwakar	An IoT Based Smart Garbage Monitoring and Disposal Support System	Proceedings of the Fifth International Conference on Computing Methodologies and Communication (ICCMC 2021) IEEE Xplore	[NA]-NA-2021	NA	-	-
C.ENVIRONMENT SCIENCE							
126	Lakshminarayana G	“ Bee-pollination in Crotalaria laburnifolia, Crotalaria medicaginea, Crotalaria retusa and Crotalaria verrucosa and C.retusa as a source of alkaloids for nymphalid butterflies	Discovery	[58(317)]-May-2022	399-407	-	-

127	Lakshminarayana G	Bee and butterfly pollination in <i>Abutilon crispum</i> , <i>Malvastrum coromandelianum</i> and <i>Melochia corchorifolia</i> , and thrips and sunbird pollination in <i>Grewia orbiculata</i> (Malvaceae)	Species	[23 (71)]-April-2022	183-192	-	-
128	Lakshminarayana G	Floral biology and pollination in <i>Diospyros chloroxylon</i> (Ebenaceae) and <i>Hybanthus enneaspermus</i> (Violaceae)	Discovery	[58 (313)]-JANUARY-2022	34-38	-	-
129	Lakshminarayana G	Pollination ecology of three <i>Ipomoea</i> species, <i>I. cairica</i> , <i>I. marginata</i> and <i>I. trilobata</i> (Convolvulaceae)	Discovery	[59 (313)]-JANUARY-2022	39-43	-	-
130	Lakshminarayana G	Floral color shift and entomophily in the hermaphroditic weed, <i>Phyla nodiflora</i> (L.) Greene (Verbenaceae)	Species	[22 (69)]-Febrary-2021	56-61	-	-
131	Lakshminarayana G	Sexual systems, pollination modes and fruiting ecology of three common herbaceous weeds, <i>Aerva lanata</i> (L.) Juss. Ex Schult., <i>Allmania nodiflora</i> (L.) R.Br. and <i>Pupalia lappacea</i> (L.) Juss. (Family Amaranthaceae: Sub-family Amaranthoideae)	Species	[23 (69)]-Febrary-2021	43-55	-	-
132	Lakshminarayana G	Break-down of sphingophily and its affect on sexual reproduction in <i>Crinum latifolium</i> L. (Amaryllidaceae), a dry season bloomer in the Araku valley of northern Eastern Ghats, Andhra Pradesh	Species	[21 (67)]-Febrary-2020	120-125	-	-
133	Lakshminarayana G	Pollination and fruit dispersal in the Fragran Screw Pine, <i>Pandanus odorifer</i> (Forssk.) Kuntze (Pandanaceae)	Species	[21 (67)]-Febrary-2020	113-119	-	-
134	Lakshminarayana G	An ecological study of vegetative and sexual modes of reproduction in oligohaline mangrove associate plant species, <i>Dalbergia spinosa</i> Roxb. (Fabaceae), <i>Solanum trilobatum</i> L. (Solanaceae), <i>Typha domingensis</i> Pers. (Typhaceae), <i>Saccharum spontaneum</i> L. and <i>Myriostachya wightiana</i> (Nees & Steud.) Hook. f. (Poaceae)	Species	[21 (67)]-Febrary-2020	84-94	-	-

135	Lakshminarayana G	Traditional food and medicinal uses of <i>Cycas sphaerica</i> Roxb. and <i>Cycas beddomei</i> Dyer (Cycadaceae).	Species	[20]-JANUARY-2019	24-27	-	-
D.MATHEMATICS							
136	Dr.K.V.S.Sarma	A few observations on the paper “Maximum distance in graphs	AIP Conference Proceedings 2375, 020027	[NA]-JANUARY-2021	NA	SCOPUS	-
137	Dr.K.V.S.Sarma	Interval-valued intuitionistic fuzzy topological subalgebras (IVIFTS) in BF-algebra	AIP Conference Proceedings 2375, 020011	[NA]-JANUARY-2021	NA	SCOPUS	-
138	Dr. R. Praveena	The effect of pre-annealing on the structural evolution and optical response of Ag films exposed to iodine vapours	Bulletin of Materials Science	[41]-June-2018		SCI	
139	Dr. R. Rambabu	Kinetic and mechanistic studies on the oxidation of DL-aspartic acid with manganese(III) in sulphuric acid medium	Indian Journal of Chemical Society	[95]-September-2018		SCI	
OTHERS							
A.BIO-CHEMISTRY							
140	Dr. Ilahi Shaik	Molecular Characterization of Indole Acetic Acid Producing Endosymbiotic Bacteria Isolated from <i>Gracillaria Corticata</i> (J.Agardh) of Visakhapatnam Coast.	Bulletin of Environmental Pharmacology and Lifesciences	[11 (11)]-October-2022	182-189	UGC	-
B.CHEMISTRY							
141	A. Karteek Rao, Govinda Varadhi and P. Umadevi	Molecular dynamics and absolute binding free energy studies of piperine derivatives as potential inhibitors of SARS-CoV-2 main protease.	Journal of Biomolecular Structure and Dynamics.	[XX]-February-2023	44937	SCIE	5.235
142	A. Karteek Rao	Continuous-Flow Synthesis, Characterization, Antimicrobial Activity, and Docking Studies of Urea Derivatives of 4-(4-Aminophenyl)-3-morpholinone	Russian Journal of General Chemistry	[93]-July-2023	1261–1273	SCIE	1
143	Govinda Varadhi	Design, Synthesis and cytotoxicity of new Coumarin-1,2,3-triazole derivatives: Evaluation of Anticancer Activity and Molecular Docking Studies	Chemistry & Biodiversity	[XX]-May-2023	XX-XX	SCIE	2.745

144	Parimi Umadavi	Design, synthesis and biological evaluation of amide derivatives of isoxazole-imidazo[1,2-a]pyridine as anticancer agents Chemical Data Collections	Chemical Data Collections	[44]-April-2023	XX-XX	Scopus	3.1
145	A. Karteek Rao and Parimi Umadevi	Identification, Synthesis, and Characterization of Potential Dichloro Impurity: N, N-Dimethyl-3-Phenyl-2, 3-Dichloropropylamine in the Synthesis of Atomoxetine	Pharmaceutical Chemistry Journal	[XX]-March-2023	XX-XX	SCIE	1.2
146	Govinda Varadhi	Recent progress on the development of g-C3N4 based composite material and their photocatalytic application of CO2 reductions	Journal of Environmental Chemical Engineering	[11]-Febraury-2023	1-68	SCIE	7.968
147	Govinda Varadhi	Intra and Intermolecular Interactions between 1-Alkanol and Benzonitrile: Computational and Thermodynamic study	Journal of Chemical & Engineering Data	[XX]-March-2023	XX-XX	SCIE	3.119
148	Govinda Varadhi	An Analytical Method for Determination of Total Iron in Pharmaceuticalgrade Intravenous Iron Colloidal Complexes by Redox-Potentiometry	Pharmaceutical Nanotechnology	[XX]-June-2023	XX-XX	SCIE	0.8
149	Govinda Varadhi	Recent update on photocatalytic degradation of pollutants in waste water using TiO2-based heterostructured materials	Results in Engineering	[17]-March-2023	100920-100935	SCIE	5.12
150	Parimi Umadavi	Stereoselective total synthesis of Pestalotioprolide C and C7-epi-Pestalotioprolide C	Synthetic Communications	[53]-July-2022	1391-1397	SCIE	1.937
151	A. Karteek Rao and Parimi Umadevi	3-(Methoxycarbonyl) thiophene Thiourea Derivatives as Potential Potent Bacterial Acetyl-CoA Carboxylase Inhibitors	Russian Journal of Organic Chemistry	[57]-May-2021	1336–1345	SCIE	0.862
152	A. Karteek Rao and Parimi Umadevi	Synthesis, anti-microbial activity and docking studies of novel N-pyridine substituted 2-chloro thieno [2,3, d]pyrimidine derivatives	Russian journal of General Chemistry	[91]-April-2021	2483–2488	SCIE	1
153	A. Karteek Rao and Parimi Umadevi	Synthesis of piperine piperazine analogues and their antibacterial activity	Indian Drugs	[58]-October-2021	30-35	Scopus	0.117
154	A. Karteek Rao and Parimi Umadevi	Synthesis and antimicrobial activity of piperazine analogues containing [1, 3, 4] Thiadiazole ring	Research Journal of Pharmacy and Technology	[14]-March-2021	4710-4714	Scopus	0.87

155	A. Karteek Rao and Parimi Umadevi	Design, synthesis, molecular docking and cytotoxic activity of novel urea derivatives of 2-amino-3-carbomethoxythiophene	Journal of Chemical Sciences	[132]-June-2020	126	SCIE	1.63
156	A. Karteek Rao and Parimi Umadevi	"Synthesis and antibacterial activity of piperazine analogues containing [1, 3, 4]-oxadiazole ring	Indian Drugs	[57]-March-2020	19–26	Scopus	0.117
157	A. Karteek Rao and Parimi Umadevi	"Synthesis, in vitro and in silico Anti-Proliferative Studies of Novel Piperiene-Oxadiazole and Thiadiazole Analogs	Russian journal of General Chemistry	[89]-July-2019	2301–2307	SCIE	1
158	A. Karteek Rao and Parimi Umadevi	One-pot synthesis of n-benzyl substituted 2-aminothiophene-3-carboxylic acid scaffold and their antibacterial activity	International Journal of Innovation, Technology Exploring Engineering	[8]-Febraury-2019	2546–2549	Scopus	0
159	Parimi Umadevi	T3Ps mediated domino C (sp ²)-H sulfenylation/annulation of enaminones and methylsulfinyls for the synthesis of chromone thioether derivatives	New Journal of Chemistry	[XX]-May-2019	XX-XX	SCIE	3.925
160	A. Karteek Rao and Parimi Umadevi	Synthesis and Antimicrobial Activity of Piperine Analogues Containing [1,2,4]-Triazole Ring	Asian Journal of Chemistry	[31]-June-2019	45025	Scopus	0.158
161	A. Karteek Rao and Parimi Umadevi	Molecular Docking and Synthesis of Novel Thiourea-Thiazole Derivatives as Anti-Proliferative Agents.	Proceedings of International Conference on Drug Discovery (ICDD) 2020	[-]-Febraury-2020	-	Scopus	0
162	Parimi Umadevi	An Efficient Microwave-Assisted Propylphosphonic Anhydride (T3P®)-Mediated One-Pot Chromone Synthesis via Enaminones.	Synlett.	[29]-NA-2018	1087-1091	scopus	2
163	Govinda Varadhi	Recent advances in the hybridization of cellulose and semiconductors: Design, fabrication and emerging multidimensional applications: A review	International Journal of Biological Macromolecules	[223]-Febraury-2023	123551-123553	SCIE	8.025
C.ELECTRONICS							
164	D.Sreedevi	A review on typical and modern brain MRI image segment methods and challenges	international journal of computer engineering in recent years (IJCEERT)	[NA]-NA-2019	NA	UGC	8.21

165	D.Sreedevi	Performance of MRI brain tumour classification using neural network classifiers.	International journal of advanced research in engineering and technology	[NA]-NA-2020	NA	UGC	4.32
166	D.Sreedevi	A real time audio signal De-noising using FIR filter with deep intelligence models	Neuro Quantology	[NA]-NA-2022	NA	UGC	1.25
D.MATH EMATIC S							
167	Dr.S.Ashok Kumar,Dr.D.Chaya Kumari	Redei rational functions as permutation functioned an algorithm to compute Redei rational functions	International Journal of Engineering, Science and Mathematics	[NA]-NA-2019	NA	UGC	-
168	Ashok Kumar S, Kishore Kumar L, Surendra N,Ravi Kumar Bora	A Study of Elgamal Encryption Scheme of Elliptic Curves Using Golden Matrices	BULLETIN MONUMENTAL	[NA]-NA-2020	NA	SCOPUS	3.9
169	Ashok Kumar S, Kishore Kumar L, Surendra N,Ravi Kumar Bora ,	A SECURE DIFFIE-HELLMAN ENCRYPTION SCHEME OVER ELLIPTIC CURVES USING GOLDEN MATRICES	Advances in Mathematics: Scientific Journal	[NA]-NA-2020	NA	SCOPUS	6.078
170	CH Suneetha, D Sravana Kumar, MPR Murthy & S Ashok Kumar	Symmetric Encryption Technique Using Spanning Tree of a Graph	JOURNAL OF OPTOELECTRONICS LASER	[NA]-NA-2022	NA	SCOPUS	6.2
171	Gudela Ashok, S. Ashok Kumar, D. Chaya Kumari & Mathe Ramakrishna	A type of public cryptosystem using polynomials and pell sequences	Journal of Discrete Mathematical Sciences and Cryptography	[NA]-NA-2022	NA	SCOPUS	-
172	Kishore Kumar L, Surendra N,Ravi Kumar Bora,Ashok Kumar S,	A Study of Elgamal Encryption Scheme of Elliptic Curves Using Golden Matrices	BULLETIN MONUMENTAL	[NA]-NA-2020	NA	SCOPUS	-
173	Kishore Kumar L, Surendra N,Ravi Kumar Bora , Ashok Kumar S,	A SECURE DIFFIE-HELLMAN ENCRYPTION SCHEME OVER ELLIPTIC CURVES USING GOLDEN MATRICES	Advances in Mathematics: Scientific Journal	[NA]-NA-2020	NA	SCOPUS	-
174	MPR Murthy,CH Suneetha, D Sravana Kumar & S Ashok Kumar	Symmetric Encryption Technique Using Spanning Tree of a Graph	JOURNAL OF OPTOELECTRONICS LASER	[NA]-NA-2022	NA	SCOPUS	-

175	MPR Murthy,CH Suneetha	A cipher block chaining technique based on euler graph	Journal of engineering and technology	[NA]-NA-2021	NA	SCOPUS	-
176	MPR Murthy,G.lalitha devi,S.sarvalakshmi, Ch.Suniktha	Data encryption basing on the existance of eulerian circuits in a group of random graphs	information and communication technology for computation strategies - ICTCS	[NA]-NA-NA	NA	SCOPUS	-
177	Dr.S.Ashok Kumar,Dr.D.Chaya Kumari	Redei rational functions as permutation functioned an algorithm to compute Redei rational functions	International Journal of Engineering, Science and Mathematics	[NA]-NA-2019	NA	UGC	-
178	Ashok Kumar S, Kishore Kumar L, Surendra N,Ravi Kumar Bora	A Study of Elgamal Encryption Scheme of Elliptic Curves Using Golden Matrices	BULLETIN MONUMENTAL	[NA]-NA-2020	NA	SCOPUS	3.9
179	Ashok Kumar S, Kishore Kumar L, Surendra N,Ravi Kumar Bora ,	A SECURE DIFFIE-HELLMAN ENCRYPTION SCHEME OVER ELLIPTIC CURVES USING GOLDEN MATRICES	Advances in Mathematics: Scientific Journal	[NA]-NA-2020	NA	SCOPUS	6.078
180	CH Suneetha, D Sravana Kumar, MPR Murthy & S Ashok Kumar	Symmetric Encryption Technique Using Spanning Tree of a Graph	JOURNAL OF OPTOELECTRONICS LASER	[NA]-NA-2022	NA	SCOPUS	6.2
181	Gudela Ashok, S. Ashok Kumar, D. Chaya Kumari & Mathe Ramakrishna	A type of public cryptosystem using polynomials and pell sequences	Journal of Discrete Mathematical Sciences and Cryptography	[NA]-NA-2022	NA	SCOPUS	-
182	Kishore Kumar L, Surendra N,Ravi Kumar Bora,Ashok Kumar S,	A Study of Elgamal Encryption Scheme of Elliptic Curves Using Golden Matrices	BULLETIN MONUMENTAL	[NA]-NA-2020	NA	SCOPUS	-
183	Kishore Kumar L, Surendra N,Ravi Kumar Bora , Ashok Kumar S,	A SECURE DIFFIE-HELLMAN ENCRYPTION SCHEME OVER ELLIPTIC CURVES USING GOLDEN MATRICES	Advances in Mathematics: Scientific Journal	[NA]-NA-2020	NA	SCOPUS	-
184	MPR Murthy,CH Suneetha, D Sravana Kumar & S Ashok Kumar	Symmetric Encryption Technique Using Spanning Tree of a Graph	JOURNAL OF OPTOELECTRONICS LASER	[NA]-NA-2022	NA	SCOPUS	-
185	MPR Murthy,CH Suneetha	A cipher block chaining technique based on euler graph	Journal of engineering and technology	[NA]-NA-2021	NA	SCOPUS	-

186	G.lalitha devi,S.sarvalakshmi, Ch.Suniktha, MPR Murthy,	Data encryption basing on the existance of eulerian circuits in a group of random graphs	information and communication technology for computation strategies - ICTCS	[NA]-NA-NA	NA	SCOPUS	-
187	MPR Murthy, CH.Neelima, S.Sarvalakshmi,G.Llitha Devi,Ch.Suneetha,	A two phase block cipher based on graph structure with linear feed back shift register (LFSR)	Journal of critical review	[NA]-NA-2020	NA	SCOPUS	-
188	Ch.Suneetha,MPR Murthy,CH.Neelima,S.Sarvalakshmi,G.Llitha Devi	A two phase block cipher based on graph structure with linear feed back shift register (LFSR)	Journal of critical review	[NA]-NA-2020	NA	SCOPUS	-
E.MICROBIOLOGY							
189	Dr.L.Sujatha	Screening and identification of Cellulolytic <i>Streptomyces corchorusii</i> from soil sampe of Visakhapatnam	International Journal of Lifescience and Pharma research	[10 (1)]-January-2020	51-59	-	-
190	D.Syamala	Mitigation of Aflatoxin contamination in Groundnuts using <i>Trichoderma viride</i>	Research Journal of Chemistry and Environment	[25(12)]-December-2021	32-41	scopus	0.2
F.STATISTICS							
191	Dr. Srinivasa Rao Pasala	Statistical Analysis of Growth of Aquaculture in Andhra Pradesh, India	Our Heritage	[67]-July-December-2019	749-762	UGC	-
192	Dr. Srinivasa Rao Pasala	The Need for Structural and Institutional Changes in Indian Agriculture - A Case Stusy of South Coastal Region in Andhra Pradesh	Studies in Indian Place Names	[40]-March-2020	4237-4252	UGC	-
193	Dr. Srinivasa Rao Pasala	Prospects of Agriculture Economy with Reference to Climate Change in India	International Journal of Multidisciplinary Educational Research	[10]-June-2021	44929	UGC	7.81
194	Dr. Srinivasa Rao Pasala	Inter Regional Variations in the Process of Promoting Socio-Economic Empowerment of the Tribal Women Through SHGs Activities	International Journal of Management &Social Sciences	[16]-May-2019	36-43	-	-

195	Dr. Srinivasa Rao Pasala	Emerging Trends in Indian Banking Services - Challenges and Opportunities	International Journal of Economics, Business, Management Studies	[8]-July-2021	75-78	-	7.479
196	Dr. Srinivasa Rao Pasala	Statistical Analysis of Social Media and Its impact on Academic Performances of Different Age Group Students	Educational Quest: An Indian J of Education and Applied Social Sciences	[12]-August-2021	44934	-	-
197	Dr. Srinivasa Rao Pasala	Statistical Analysis of Growth of Aquaculture in Andhra Pradesh, India	Our Heritage	[67]-July-December-2019	749-762	UGC	-
198	Dr. Srinivasa Rao Pasala	The Need for Structural and Institutional Changes in Indian Agriculture - A Case Study of South Coastal Region in Andhra Pradesh	Studies in Indian Place Names	[40]-March-2020	4237-4252	UGC	-
199	Dr. Srinivasa Rao Pasala	Prospects of Agriculture Economy with Reference to Climate Change in India	International Journal of Multidisciplinary Educational Research	[10]-June-2021	44929	UGC	7.81
200	Dr. Srinivasa Rao Pasala	Inter Regional Variations in the Process of Promoting Socio-Economic Empowerment of the Tribal Women Through SHGs Activities	International Journal of Management & Social Sciences	[16]-May-2019	36-43	-	-
201	Dr. Srinivasa Rao Pasala	Emerging Trends in Indian Banking Services - Challenges and Opportunities	International Journal of Economics, Business, Management Studies	[8]-July-2021	75-78	-	7.479
202	Dr. Srinivasa Rao Pasala	Statistical Analysis of Social Media and Its impact on Academic Performances of Different Age Group Students	Educational Quest: An Indian J of Education and Applied Social Sciences	[12]-August-2021	44934	-	-

ANNEXURE-4

Details of Research and Development Projects, Consultancy Projects funded by external agencies in
Gayatri Vidya Parishad Group of Institutions

S.No.	Year	Total No. of Projects	Amount
1	2023	3	63.00
2	2022	5	47.85
3	2021	1	0.93
4	2020	3	36.16
5	2019	15	220.00
6	2018	2	24.73
7	2017	9	100.79
8	2016	3	59.00
9	2015	2	14.38
10	2014	4	105.24
11	2013	8	79.20
12	2012	9	222.20
13	2011	4	245.07
14	2010	1	15.00
15	2009	4	29.92
16	2007	4	35.00
17	2006	4	33.20
18	2004	1	5.00
TOTAL			1336.67

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2023					
1.	Gottapu Prathyusha Dukka Alekhya Goru Sathwika Boddepalli Sampath Mani Kumar Palapala Naga Sai Sujay Kumar Under the guidance of Prof. Dr. CVK Bhanu, Dept. of EEE	Predictive Irrigation for Sustainable Agriculture using Maching Learning	EEE	IITB	6.00
2	Prof. Dr. Birendra Biswal	A novel hardware embedded multivariate feature enabled health monitoring system for early diagnosis of Glaucoma	ECE	DST-SERB	42.00 (approx.)
3	Dr. Vanamali Dharma Rao, GVP Institute for Health Care and Medical Technology	Virtual Reality Based Games for Stroke Rehabilitation at Home	GVPCE (MSME BI)	MSME	15.00

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2022					
1.	B. Sreenivasulu	Nonlinear & Evolutionary Optimization Techniques in Engineering	Chemical	AICTE-ISTE	0.93
2.	Dr. G. Madhuri Dr. L. Venkat (Co-PI)	Material characterization and flaw detection using Microwave Non-Destructive Techniques for concrete	Civil	AICTE	22.32
3.	Dr. Chandra Sekhar Patro	A Study of E-Business Applications in Micro and Small Enterprises (MSEs) with reference to Food, Agro and Marine Products in Andhra Pradesh	Mgt. Studies	Indian Council of Social Science Research (ICSSR)	3.90
4.	GVP AI CLUB	Scheme for Promoting Interests, Creativity & Ethics among students	CSE	AICTE	1.00
5.	Shaik Sameer Ahamad Sai Harshita Kandrika Adithya Singupati Malla Monisha	Automation of Wheel Chair	CSE	IITB	4.50

6	Dr. Ilahi Shaik, Assistant Professor, Gayatri Vidya Parishad College for Degree and PG Courses (A)	Marine Macro algae - a liquid agro bio fertilizer Plant for commercialization	GVPCE (MSME BI)	MSME	12.00
7	Dr. P.V. Vinay, Professor, Gayatri Vidya Parishad College for Degree and PG Courses (A)	Low Cost Manual Tuber Vegetable Product Cleaning Machine	GVPCE (MSME BI)	MSME	3.20

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2021					
1.	Dr. Puja Dash	IoT Interfaced Smart Grid Technology	EEE	AICTE	0.93

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2020					
1.	Dr. Krishna Kishore Mugada	Processing and characterization of hybrid non-equilibrium composites fabricated by Friction Stir Processing (FSP) – (Indo-Bulgaria Joint Project)	Mech.	DST, Ministry of Science & Technology	11.82
2.	Dr. K.B. Madhuri	Modernization of Data Warehousing and Data Mining Lab using Graphical Processing Units (GPUs). (MODROBS)	IT	AICTE	10.03
3.	Dr Ramakrishna Shinagam	Development of Experimental modal analysis based artificial intelligence method for structural health analysis and estimation of remaining useful life of composite structures (RPS)	Mech.	AICTE	14.31

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2019					
1.	Dr. Birendra Biswal	Machine Intelligence in smart Grid& Communication (National Workshop)	ECE	CSIR	0.50
2.	Prof. Sastry V. Vedula	Switched Reluctance Motor (SRM) Development for EV Application	EEE	HBL Power Systems Ltd, Hyd.	56.00
3.	Dr. Mohan Jagadeesh Kumar	Design Manufacturing and Testing of a Solar Based Jaggery Making Unit (IRPS)	Mech.	GVPCE(A) Inhouse	1.15
4.	Dr. M. Krishna Kishore	Design and Development of Portable static shoulder with adjustable tool fixture and study the interface microstructure during friction stir welding of dissimilar Al – Ti Alloys (IRPS)	Mech.	GVPCE (A) Inhouse	1.19
5.	Dr. A.B. Koteswara Rao	Modernization of Metrology Lab to enhance Quality Studies and promote Industrial Consultancy (MODROBS, AICTE)	Mech.	AICTE	17.53
6.	Dr. K. Narasimha Rao	Recent Trends in Power Quality Improvement Techniques in Grid Connected DG systems (STTP)	EEE	AICTE	3.29
7.	Dr. Mohan Jagadeesh Kumar Mandapati	Advanced CFD Simulation of Thermal Systems (FDP)	Mech.	AICTE	4.18
8.	Prof. VSN Rao Tatavarti	Indigenous Photonic System for Real Time Remote Monitoring of Air Quality	Civil	DST	63.45
9.	Dr. Rao Pulugurtha	Skill and Personality Development Programme for SC/ST Students (SPDP)	Mgt.	AICTE	18.32
10.	Dr. R. Praveena	Emerging Trends in Nano-Materials and their Engineering Applications (Seminar / Symposia Scheme)	Physics	SERB	1.00
11.	Dr. GVE Satish Kumar	Direct Torque Controlled Induction Motor Drive for Hybrid Electric Vehicles with Space Vector Modulated Sliding Mode Controller to Reduce Torque Ripple (RPS)	EEE	AICTE	9.00

2019 contd..

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
12	Dr. Pusapati Sarada Varma under the mentorship of Dr. J. Vasundhara Devi	Exploring Numerical techniques for fractional derivatives defined from first principles (WOS – A Women Scientist Scheme)	Maths	DST, Ministry of Science & Tech.	28.39
13	Dr. B. Srinivas	Computational Fluid Flow and Heat Transfer (STTP)	Chemical	AICTE	3.00
14.	Dr. A. B. Koteswara Rao	Recent Advances in Materials & Manufacturing (STTP)	Mech.	AICTE	3.00
15.	Dr. B. Govinda Rao	Influence of quaternary alloying addition on shape memory properties and tribological behavior of Cu-Al-Mn-Ag shape memory alloys. (MODROBS)	Mech.	AICTE	10.00
TOTAL					220.00
2018					
1.	Dr. C.V. K. Bhanu	Solar PV System – Design and Performance Evaluation (Induction / Refresher Programme)	EEE	AICTE - ISTE	3.00
2.	Dr. Birendra Biswal	Rural Health Care Improvement for Early Detection of NVD & NVE in Diabetic Retinopathy (Core Research Grant)	ECE	SERB	21.73
TOTAL					24.73
2017					
1.	Dr. Vasundharadevi J Dr.S.K. Sen Dr. RVG Ravikumar	A computational study of fractional differential equations (Research)	GVP-LIAS	DST, SERB	16.33
2.	Dr. A.B.Koteswara Rao	Serial and Parallel Robots – Analytics, Design and Applications (FDP)	Mech.	AICTE	6.85 (.3,42,500)
3.	Dr. B.V. Ramana Murthy	Pedagogical Training on Outcome Based Education (FDP)	Mech.	AICTE	7.00 (Advance)
4.	Dr. M.P.K. Kishore	Trends in Data Analytics (Seminar Grant)	IT	AICTE	1.00
5.	Dr. VSN Rao Tatavarti	Structural Integrity Assessment using Indigenous Photonic System (RPS)	Civil	AICTE	23.52
6.	Dr. Amrita	Green and Sustainable machining of "hard to machine materials" using Graphene based Self Lubricating cutting tools and cutting fluids (Research)	Mech.	DST, SERB	25.56
7.	Dr. P. Krishna Subba Rao	Assessment of Neonatal Seizure Disorder using Scanning Electron Microscope Technique (Minor Research)	CSE	UGC	1.80

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2017 Contd..					
8.	Dr. M.V.S. Sairam	Pre-Compliance EMI/EMC measurements of Electrical & Electronic products (MODROBS)	ECE	AICTE	9.75
9.	Dr. Vasundharadevi.J.	Recent Advances in Mathematical Sciences & Applications (International Conference)	GVP-LIAS	DST/SERB, TCS, IFNA, NBHM, DAE	8.98
TOTAL					100.79
2016					
1.	Dr. S. Ramakrishna,	Experimental Evaluation of Quantitative Values of Frictional Coefficients (Between different pairs of materials commonly used in floating mass dampers) (Research)	Mech.	GATET	9.00
2.	Dr. A.B. Koteswara Rao	FIST Program-2016 – to strengthen teaching and research facilities in all science departments of the College (Research)	Mech.	DST, Min. of Science and Tech.	30.00
3.	Dr. Rao Tatavarti	Feasibility Studies on Photonic Systems for Environmental Monitoring (Research)	GVP- SIRC	CASTLE Advanced Technologies & Systems (CATS), Nashik	20.00
TOTAL					59.00
2015					
1	Dr. RaoTatavarti	Study of insitu wave, current, suspended sediment concentration near shore region of Ramakrishna Beach. (Research)	GVP-SIRC	Visakhapatnam Port Trust	8.50
2	Dr. B Govinda Rao	Investigates the effect of compression ratio, exhaust gas recirculation, air turbo charging, and injection timing on the performance and exhaust gas emissions of a diesel engine fuelled with biodiesel – An experimental study (RPS)	Mech.	AICTE	5.88
TOTAL					14.38
2014					
1	Dr. RaoTatavarti	Design and Development of a Photonic system for real time remote monitoring of wind and other air parameters (Research)	GVP-SIRC	CWET, MNRE, GoI	17.26
2	Dr.Sastry V. Vedula	A wind and solar hybrid power generation for generating 200 kW of Electrical energy (R&D)	EEE	MNRE, GoI	83.00
3	Ms. B. Jayalakshmi	Relevant subspace clustering technique for high dimensional data (Minor Research)	IT	UGC	2.54
4	Ms. M. Chandrajyotsna	Design of Agent based bi directional routing for asymmetric mobile adhoc networks (Minor Research)	IT	UGC	2.44
TOTAL					105.24

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2013					
1	Ms. P V Rajeswari	Nano-structured and doped metal oxide thin films for optical and electronic applications (Minor Research)	Physics	UGC	1.94
2	Ms. M. Rama Rajeswari	Kinetic and mechanistic studies on the oxidation of amino acids in micellar systems (Minor Research)	Chemistry	UGC	4.00
3	Ms. K.V. Nagalakshmi	Synthesis of new Co(III), Ni(II) complexes and their substitution reactions in reverse micellar medium (Minor Research)	Chemistry	UGC	4.55
4	Dr. R. Praveena	Development of Ln ³⁺ -doped Lu ₃ Sc ₂ Ga ₃ O ₁₂ nano-garnets for light emitting device applications (Research)	Physics	DAE-BRNS, BARC	16.65
5	Dr. R. Praveena	Tunable surface plasma resonance on Ag doped dielectric thin film matrices (Research)	Physics	DST-SERB	18.45
6	Dr. Sumantha Kumar Tripathy	Synthesis of nano-particle Tin oxide thin films by So-gel method and comparative study of its characteristics with thin films prepared by thermal evaporation technique for application to gas sensor (Major Research Project)	Physics	UGC	10.13
7	Dr. K Narasimha Rao	Development of Power Systems	EEE	AICTE	16.63
8	Dr. B. Srinivas	Modernisation of Analysis of Industrial Pollutants Lab.	Chemical	AICTE	6.85
TOTAL					79.20
2012					
1	Dr. C V K Bhanu	Solar Alternative: Design of Solar Photovoltaic System/Invertor for Agriculture Operations	EEE	TFAS, USA through Prof.BSR & VR Foundation	3.56
2	Dr. Pilakamurty & Dr. ABKRao	Design and Development of special purpose CNC machine for 2-D contour machining and other application	Mech.	AICTE	12.00
3	Dr. RaoTatavarti	Coupling Sediment Transport Estimates from Numerical Modeling with Field Observations in Gulf Mannar	GVP-SIRC	NRB	49.39
4	Dr. RaoTatavarti	Feasibility of detection of underwater hydrodynamic turbulence using opto-electronic systems	GVP-SIRC	DRDO, Min. of Defence, GoI	9.95

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2012(contd..)					
5	Dr. RaoTataavarti	Design and Development of Optical Air Data System for Advanced Combat Medium Range Aircraft	GVP-SIRC	ADA	103.92
6	Sri J V S Murthy	Production of Mesophase pitch suitable for carbon fibers	Chemical	AICTE	9.70
7	Dr. J.Vasundhara Devi	A Qualitative Study of Graph Differential Equations and Matrix Differential Equations	Maths	DAE, GoI	20.43
8	Prof. P Veerabhadra Rao	Mechanical Properties of No Aggregate Concrete (NAC)	Civil	Eco-Carbon (P) Ltd.	10.00
9	Prof. Dr. Rao Tataavarti	Design of Tank Facility to Study Underwater Turbulence	GVP-SIRC	DRDO (CARS)	3.25
				TOTAL	222.20
2011					
1	Dr. Aditya Mukherjee	Study of antifouling paint behavior due to loading and flow around ship hull	Chemical	DST (in collaboration with IMU)	31.66
2	Dr. RaoTataavarti	A study of the role of Neutrophic factors, polyunsaturated fatty acids and their metabolites in the prevention of radiation and chemical induced damage to DNA in vitro and in vivo and cancer	GVP-SIRC	DRDO	198.44
3	Dr.Pilaka Murty	Detailed studies on effect of ball milling grinding parameters on particle size of tungsten nano powder and develop an empirical model relating various parameters with final particle size	Mech.	DRDO	4.97
4	Dr. B. Govinda Rao	Modernization of Thermal Engineering	Mech.	AICTE	10.00
				TOTAL	245.07
2010					
1.	Dr. D.S. Murty	Development of Industry Lab For Real Time Industrial Applications	ECE	AICTE	15.00
				TOTAL	15.00

Sl.	Investigator(s)	Title of the Project	Dept.	Funding Agency / Industry	Grant Received (in lakhs)
2009					
1	Prof. P. Veerabhadra Rao	Evaluation of bond strength between rock surface and grout.	Civil	Hindustan Construction Co.	2.00
2	Dr. J.Vasundhara Devi	A Quality Study of set Differential Equations involving casual operators with memory	Maths	DST	9.82
3	Sri M.BenSwarup	Development of Software Safety Model and Metrics for high-risk software-controlled Critical Systems used in Transportation sector	CSE	AICTE	5.10
4	Sri N.V.Brahmaji Rao	Modernization of Networking & Security Lab with Industry Relevant Cisco Devices	CSE	AICTE	13.00
TOTAL					29.92
2007					
1	Dr. N. Balasubrahmanyam	Modernization of Embedded Systems Lab.	ECE	AICTE	7.50
2	Dr. A.B.K. Rao	Development of Parallel Kinematics Based Machine Tool	Mech.	AICTE	9.00
3	Dr. D.S.Murthy	Development of New Algorithms for Improving the power efficiency through optimization of gate in VLSI	ECE	AICTE	10.00
4	Dr. A.B.K.Rao & Dr. P.Srinivasa Rao	Modernisation of CAD/CAM & Robotics Lab with Industry Relevant Mechatronics	Mech.	AICTE	8.50
TOTAL					35.00
2006					
1	Prof. P.V.Ravi Kumar	Modernization of The Process Control Laboratory	Chemical	AICTE	13.00
2	Prof. M.S. Rao	Application of Bootstrapping Techniques To Regression Problems-Analysis of Catalytic Rate Models	Chemical	AICTE	9.20
3	Dr. P.Srinivasa Rao & Dr. A.B.K.Rao	Improving weld bead characteristics in pulsed GMA welding using Automated Arc Rotation Mechanism	Mech.	AICTE	10.00
4	Prof. P. Veerabhadra Rao	Optimum Design of Box culvert	Civil	GVMC, VSKP	1.00
TOTAL					33.20
2004					
1	Prof. P S Rao	Concrete Compressive Strength of 20 MPa at the age of 16 hrs for Reliance Gas Pipeline under Godavari River.	Civil	Zublin International GmbH, Germany	5.00
TOTAL					5.00

LIST OF CONSULTANCY PROJECTS WORTH Rs. 638.635 Lakhs

S.No.	Year	No. of Projects	Amount (in Rs. Lakhs)
1	2023	7	28.28
2	2022	3	2.195
3	2021	8	24.21
4	2020	9	15.87
5	2019	8	58.05
6	2018	19	64.66
7	2017	12	44.71
8	2016	9	86.09
9	2015	9	122.63
10	2014	4	23.50
11	2013	4	15.04
12	2012	6	23.80
13	2011	4	16.85
14	2010	1	14.00
15	2009	1	4.00
16	2008	2	13.50
17	2007	2	39.00
18	2006	3	9.25
19	2005	3	12.75
20	2004	2	3.60
21	2003	3	11.50
22	2002	2	3.05
23	2001	1	0.80
24	1999	1	1.30
TOTAL AMOUNT			638.635

S.No.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2023				
1.	Vibration measurement & analysis for Vibration level for three buildings due to UNDEX at NSTL, Vizag	Civil	IDDC Engineers Pvt. Ltd., Vizag	2.06
2.	Applying the concepts of Quantum, AI, Machine Learning / Deep Learning in Product Engineering	CSE	Quantum Stats AI Global Pvt. Ltd.	23.00
3.	Full Spectrum Project	CSE	Qulabs Software (India) Pvt. Ltd.	2.50
4.	Shock Calculations using FEA method Standards: NSS II for 2MW SEA WATER Pump using Ansys	Mech.	Desmi India PVT LTD., Hyderabad	0.12
5.	Verification of the CG of AC plant and confirmation of mount position and location for JCI AC PLANT	Mech.	Jhonson controls, Pune	0.12
6.	Shock Calculations using FEA method Standards: NSS II for 695740 – Fire pump using Ansys	Mech.	Jhonson controls, Pune	0.18
7.	NFT test and FEA analysis of probe holder	Mech.	Nippon Steel India Limited,	0.30
TOTAL				28.28

S.No.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2022				
1.	Repair Scheme for various building elements for Aditya Fortune Towers, Visakhapatnam	Civil	Aditya Fortune Towers, Visakhapatnam	1.18
2.	Material Testing for M/s Utkarsha Constructions	Civil	M/s Utkarsha Constructions, Visakhapatnam	0.13
3.	Proof Checking of Elevated bridge on River Gostani at Pandrangi Village, Visakhapatnam Dist	Civil	VRP Structural Engineers (I) Pvt Ltd.	0.885
TOTAL				2.195

S.No.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2021				
1.	Natural drains – Catchment Area Development at Visakhapatnam City under the UNDP – GoI (USAID) project entitled Developing Resilient cities through Risk Reduction in the context of Disaster and Climate Change	Civil	GVMC	6.50
2.	Vibration Measurement	Civil & Mechanical	KARKINOS Health care Pvt Ltd, Mumbai	3.60
3.	M30 Mix Designs for (Over Head Service Reservoir) OHSR in Parawada Mandal, RWS&S Division, Visakhapatnam	Civil	Executive Engineer, RWS&S Division, Visakhapatnam	0.15
4.	Implementation of MLP for buiding an Omni Service Channel product	CSE	Kognitive LLC	1.09
5.	software Consultant for providing software solutions”	IT	Queens NRI Hospital, Seethammadhara, Visakhapatnam	2.50
6.	Development of sensor less control of SRM Drive	EEE	HBL Power Systems Ltd.	10.03
7.	Vibration data acquisition hardware CoCoFFt Analyser Impact hammer	Mechanical	M/s Tejas Mechanical Technologies	0.20
8.	Analysis and design of coupling for marine fire pump using ANSYS (GVP/WO/21-22/02)	Mechanical	M/s Flamboyant Solutions	0.14
TOTAL				24.21

Sl.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2020				
1.	Stability analysis of decant well in Lagoon 1 ash pond	Civil	NTPC, Simhadri Visakhapatnam	0.50
2.	Pre-bid design and estimation for Culverts, Bridges, and Viaducts	Civil	M/S Hayagreeva Constructions.	7.00
3.	Junior club building and overhead RCC water tank at HTPS CSPGCL, Korba West	Civil	Chhattisgarh State Power Generation Company Ltd., Korba	2.12
4.	Proposed Construction of Minor Bridge on the road from Singuru ZP road to Nellimetta of Amadalavalasa Mandalam in Ponduru sub divison, srikakulam	Civil	BL Structural Team (India) Private Limited, Visakhapatnam	0.53
5.	Design and Construction Drawings of Bridge for work M/s. HPCL at ATP site	Civil	Gopal Teknocon Private Limited	0.88
6.	Geotechnical Investigation	Civil	Local Contractors	0.12
7.	Function calls of the use cases and design for validation and report with recommended design parameters.	CSE	Think3D	0.70
8.	A study of the existing I.T. systems & banking processes of a private bank in Kenya (East Africa) to assess scope for improvement and eliminate income leakages	CSE	Amity Software Ltd	1.18
9.	Simulation based Design of 2kW Full Bridge DC-DC power Converter	ECE	IE Power Technologies Private Limited, Bangalore	2.84
TOTAL				15.87

Sl.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2019				
1.	Concrete integrity test in Naval Dockyard, Visakhapatnam	Civil	M/s IDDC Pvt Ltd April 2019	0.40
2.	Preparation of EIA report for Tamilnadu Bharathmala Highway project	Civil	Aarvee Associates, Hyderabad	0.60
3.	Preparation of EIA report for Ananthapur-Amaravathi Expressway	Civil	Aarvee Associates, Hyderabad	0.55
4.	Static and Dynamic Analysis of 3.5 MT Classification screen	Mechanical & Civil	Nikhil Engineering Technologies, Visakhapatnam	1.06
5.	Design & FA of Rocket System & Solutions	Mechanical	NAD, Visakhapatnam	0.59
6.	Dynamics simulation of FA of rocket system and solutions (GVP/WO/19-20/09)	Mechanical		0.59
7.	Web Application Development	IT	Faust Precast and Infra Pvt.Ltd	0.20
8.	Modelling and Simulation of SRM and PMASRM Drive Control for Electric Vehicle Applications	EEE	HBL Power Systems Limited, Hyderabad, India	54.06
TOTAL				58.05

Sl.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2018				
1.	STG Bearings Vibration Analysis	Mechanical	Essar steel India Ltd., Visakhapatnam	0.43
2.	NFT For Bearings & Hanger Supports	Mechanical	Essar steel India Ltd., Visakhapatnam	0.36
3.	Air Borne Noise Analysis of the Equipment	Mechanical	Naval Dockyard Visakhapatnam	0.18
4.	Failure Analysis of Fire Pump-2	Mechanical	Naval Dockyard Visakhapatnam	1.20
5.	Laboratory demonstration of Extraction of Azadirachtin from neem seeds using water	Chemical	Srinidhi Biotech Pvt. Ltd.	2.50
6.	Design vetting of Pipe Bridge structural Drawings for M/s IOCL, Vizag	Civil	GOPAL TECHNOCON Pvt. Ltd., Vskp	0.75
7.	Design of RC College Building	Civil	SK Engineers	0.59
8.	Providing Model Toilets to Visakhapatnam Port Trust	Civil	Visakhapatnam Port Trust	2.00
9.	Power Electronic Drives (Research based consultancy)	EEE	HBL Power Systems Ltd.	49.04
10.	Experimental and Numerical analysis of oil pump foundation	Mechanical	Flamboyant Solutions	0.12
11.	Experimental Modal Analyses of generator	Mechanical	Flamboyant Solutions	0.29
12.	Model analysis on MR Mount trails	Mechanical	Flamboyant Solutions	0.24
13.	Coherence data measurement for fire pump trails	Mechanical	Flamboyant Solutions	0.24
14.	Load Dependent Vibrations Study on 35 MW TG Set at Essar Steel India Ltd.	Mechanical	Sampoorna Rotordynamics Consultancy	1.77
15.	Design of thermal calculations for a 50kW condensing steam turbine & C++ thermal design calculation app for future projects	Mechanical	Karthik Engineers, Bangalore	2.65
16.	Thermal calculations for 50 kW back pressure	Mechanical	Sampoorna Rotordynamics	0.60

	steam stream turbine and finalizing the turbine speed and disc diameter for the given power output		Consultancy	
17.	Failure Analysis of fire pump at Naval Dockyard	Mechanical	Flamboyant Solutions	1.20
18.	Experimental and Analytical Modal Analysis of generator at U P C Manah, OMAN	Mechanical	Flamboyant Solutions	0.40
19.	Vibration Transmissibility and Isolation analyses of HP Air Compressor Naval Dockyard, Viskhapatnam	Mechanical	Flamboyant Solutions	0.10
TOTAL				64.66

Sl.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
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2017

1.	Geo Tagging of Panchayat Assets under the ISRO Project on EPRIS	Civil	NSRC, ISRO, Govt. of India	6.54
2.	GIS based Revenue data updation	Civil	Aarvee Associates	20.00
3.	Design of Self Supported Warehouse for augmentation of Sick line facilities	Civil	East Coast Railways	1.97
4.	Precast RCC Toilets to School near to VPT area	Civil	Visakhapatnam Port Trust	12.25
5.	Precast RCC security room to VPT area	Civil	Visakhapatnam Port Trust	1.475
6.	Testing of Structural Steel in connection with construction of Bridge	Civil	Rail Vikas Nigam Ltd.	0.61
7.	Design of RC College Building	Civil	SK Engineers	0.59
8.	Design Mix for PIU Works	Civil	Panchayatraj, Bheemunipatnam, Vizag	0.26
9.	Vibration and NFT Analysis of ID Fan	Mechanical	Hindalco Industries	0.20
10.	Design and Numerical analysis of Winding Machine	Mechanical	Roshini Microsystems	0.40
11.	Experimental and numerical analysis of MR foundation at Naval Dockyard, Visakhapatnam	Mechanical	Flamboyant Solutions	0.118
12.	Model analysis training to GE power, Vadodara	Mechanical	Flamboyant Solutions	0.295
TOTAL				44.708

2016

1.	Community toilets to Commissioner office of Police	Civil	Visakhapatnam Port Trust	13.42
2.	Feasibility studies on photonic systems for environmental Monitoring	Civil	Castle Advanced Technologies & Systems (CATS)	20.00
3.	Design at Mooring Dolphin at the Western end of the Jetty	Civil	Visakha Container Terminal Pvt. Ltd. (VCTPL)	5.75
4.	Soil Testing	Civil	Geomarine dynamics, SS Builders, RK Constructions	0.22

5.	Power Electronic and Drives Resource Person: Dr. Sastry V. Vedula	EEE	HBL Power Systems Ltd	22.90
6.	Modelling and Simulation of distinct Power Electronics & Drives	EEE	HBL Power Systems Ltd	21.50
7.	Analyzing the vibrations of motor generator set with all required instruments.	Mechanical	Naval Dockyard VSKP	0.30
8.	Load Dependent Vibrations Study on 77 Mw TGSet	Mechanical	Bhushan Steel Limited Orissa	2.00
TOTAL				86.09

Sl.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2015				
1.	Training the employees of Vasudha Pharma Chem Pvt. Ltd.	Chemical	Vasudha Pharma Chem Pvt. Ltd	2.50
2.	Improvement in the Primer quality for coal tar enamel tape referred	Chemical	Himadri Chemicals & Industries Ltd., Visakhapatnam	0.50
3.	Construction of Toilet Blocks for Schools in collaboration with Visakhapatnam Port Trust	Civil	Visakhapatnam Port Trust	91.24
4.	Design of Louvers on Port connectivity Road	Civil	National Highway Authority of India	5.00
5.	Developing models of Aircraft Electrical Power Systems using "Model Based System Engineering (MBSE) methodologies"	EEE	LMS India Engineering Solutions Private Limited ("LMS"), Chennai	6.00
6.	Failure investigation of 500 MW set at Rihand Thermal Power Station, Sonbhadra UP	Mechanical	PROTOCOL, Insurance Surveyors & Loss Assessors Pvt. Ltd, Noida, India	6.00
7.	Vibration study and diagnosis of turbo blower-3	Mechanical	Mideast integrated steels limited Jaipur Orissa	0.30
8.	Modeling and Finite Element analysis of bearing housing and estimation of stiffness in X and Y directions	Mechanical	Powerthermal Engineering Pvt Ltd Hyderabad	1.10
9.	Automation in measuring a product for the specific dimensions	Information Technology	Liners India Ltd.	9.99
TOTAL				122.63

2014

1.	For conducting pertinent hydraulic model studies for contemplated development of Naval facility at SBC, Visakhapatnam	Civil	SS Infrastructure Development Consultants Pvt. Ltd., Hyderabad	10.00
2.	Studies on Desalination of Sea Water	Civil	Jengu Water Limited, USA	10.00
3.	Vibration monitoring of the Cenotaph Road Building for Structural Stability Assessment	Civil	SkyRide Tours and Travels, Chennai	2.50
4.	Structural stability study to facilitate erection of additional equipment on the terrace at Fortis Health Care, Mumbai	Civil	Geomarine Consultants, Fortis Hospital, Mumbai	1.00
TOTAL				23.50

Sl.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
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2013

1.	Testing of Bond Strength of Shortcrete concrete for underground rock cavern at Visakhapatnam	Civil	Hindustan Construction Company (HCC), VSKP	10.00
2.	Carrying out Blast induced and construction induced Ground Vibration Monitoring	Civil	Dighi Oil Storage Pvt. Ltd.	1.12
3.	RMHS conveyor gallery CC-3 and JH-15 collapsed structures at Jajpur Plant	Civil	TATA Steel Limited, Jajpur, Orissa	2.00
4.	Variable voltage Variable frequency drives	ECE	IGIAT to train the employees of Vizag Steel Plant, Visakhapatnam.	1.92
TOTAL				15.04

2012

1.	Optimal Design of Diesel Generator Foundation	Mechanical	DRDO, NSTL-VSP	6.72
2.	Verification and validation of structural designs of the proposed deperming facility at Visakhapatnam	Civil	NSTL, DRDO, Ministry of Defence, Govt. of India	7.53
3.	Checking of the Designs of General Cargo Berth	Civil	Vedanta Group of Companies	1.30

in outer Harbour of Visakhapatnam Port Trust				
4.	Collapse of Buildings, Marripalem, Visakhapatnam	Civil	GVMC	2.00
5.	Design of Tank Facility to Study Underwater Turbulence	Civil	NSTL, DRDO	3.25
6.	Design and supervision of Rajiv Smruthi Bhavan at Visakhapatnam	Civil	GVMC	3.00
TOTAL				23.80
2011				
1.	Imparting Basic Chemical Engineering Knowledge to Employees of Ecologic India Ltd.	Chemical	Plant employes of Ecologic India Ltd.	10.00
2.	Water Supply Design for IT-SEZ	Civil	GVMC	2.00
3.	Design of Training Centre, GVMC	Civil	GVMC	1.00
4.	Design and supervision of Indoor Stadium at Gajuwaka, Visakhapatnam.	Civil	GVMC	3.85
TOTAL				16.85
2010				
1.	Design of Oil Cargo Berth at Visakhapatnam Port Trust	Civil	AVR Infra, Chennai	14.00

2009				
1.	Design of Sports & Office Complex at Visakhapatnam	Civil	GVMC	4.00
2008				
1.	Preparation of DPRs for drainage system at Gajuwaka, and KRM Colony, Visakhapatnam.	Civil	GVMC	8.50
2.	Preparation of DPRs for construction of training centre at Mudasarlova, Visakhapatnam.	Civil	GVMC	5.00
			TOTAL	13.50
2007				
1.	Preparation of DPRs and Master plans for storm	Civil	GVMC	34.00

	water drainage system under JNNURM scheme.			
2.	Development of Acoustic Switching Unit (Autonomous Under Water Vehicle Applications)	ECE	NSTL, Visakhapatnam	5.00
TOTAL				39.00
2006				
1.	Study of Noise Interference for Under water telemetry	ECE	N.S.T.L Visakhapatnam	4.75
2.	Design of VIP Gallery stand in Pavilion block of ACA-VDCA Cricket Stadium at Visakhapatnam	Civil	Andhra Cricket Association	3.00
3.	Design of PSC box girders	Civil	GVMC	1.50
TOTAL				9.25

Sl.	Title of the Project	Department	Sponsoring Agency	Amount (Rs. in lakhs)
2005				
1.	Design of IGIAT centre at Visakhapatnam.	Civil	IGIAT	5.00
2.	Preparation of DPR for high level bridges at Rayagada, Orissa.	Civil	M/s.Utkal Alumina International Ltd	4.25
3.	Preparation of DPR for a Road length of 24 Kms at Rayagada, Orissa.	Civil	M/s.Utkal Alumina International Ltd	3.50
TOTAL				12.75
2004				
1	Preparation of Detailed Longitudinal and Cross Sectional Drawings and Quantity Estimation of 6 Eastern Dams at Damanjodi, Orissa.	Civil	M/s. Gayatri Projects Ltd.	2.10
2	Preparation of Topographical Map and Block Level Data at Muniguda, Orissa.	Civil	M/s. Sterlite Ltd.	1.50
TOTAL				3.60

2003				
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1.	Design of North Block and Gallery Stands of ACA, VDCA Cricket stadium at Visakhapatnam	Civil	Andhra Cricket Association	6.00
2.	Analysis of Casting of 40m Span PSC Girders	Civil	M/s. Navayuga Engineering Corporation	1.00
3.	Soil Investigation for Expansion of Red Mud Soil at Dhamanjodi, Orissa.	Civil	M/s. NALCO Ltd.	4.50
TOTAL				11.50
2002				
1.	Surveying and Soil Investigation for Sri Balaji Medical College at Gopalpur, Orissa.	Civil	Sri Balaji Educational Trust	1.85
2.	Investigation for Collapse of 400 KVA Transmission Line Towers at Tuni, A.P.	Civil	A.P TRANSCO, Hyderabad	1.20
TOTAL				3.05
2001				
1.	Design of Rail Vihar-II at Visakhapatnam	Civil	IRWO Visakhapatnam	0.80
1999				
1.	Design of a 330m long Cable Stayed Bridge	Civil	M/s. CONSTRUMA Ltd., Mumbai	1.30

Alumni in Academics & Research Centres

- **Dr. Nagu Daraboina**, Associate Professor at the University of Tulsa, USA.
- **Dr. Siva Mohan Reddy**, Associate Professor at IIT Roorkee.
- **Dr. Dinesh Bhaagavatula**, Assistant Professor at IIT BHU, Varanasi.
- **Mrs. Nandini Bhandaru**, Assistant Professor at BITS-Pilani, Hyderabad.
- **Dr. M.V.V. Chandana Lakshmi**, Professor at Andhra University, Visakhapatnam.
- **Dr. Behara Dileep Kumar**, Associate Professor & Head at JNTU, Anantapur.
- **Mrs. Veluturla Sravanth**, Assistant Professor at M.S. Ramaiah Institute of Technology, Bangalore.
- **Dr. Sneha Polisetti**, Couvillion: Research Scientist at National Laboratory – PNNL, USA.
- **Dr. Najeeb Shariff**, Assistant Professor at IIT Bombay, Mumbai.
- **Dr. N Satyanarayana**, Assistant Professor at MNIT Jaipur.
- **Dr. B Kalyan Kumar**, Professor at IIT Madras.
- **Dr. Suresh Kumar Kotha**, Associate Professor at IIT Bombay, India.
- **Dr. Rohit Reddy Ravula**, Assistant Professor at Nanyang Technological University, Singapore.
- **Dr. Manoj Kumar Karar**, Professor at IIT Kanpur, India.
- **Dr. Rana Pratap**, Assistant Professor at IIT Hyderabad
- **Dr Sai Bhargavi Vedula**, PhD IIM Kashipur, Assistant Professor, XLRI, Jamshedpur

Alumni in Industry, Administrative and Public Services

- **Dr. Pendyala Chandrashekhar**, Supply Chain R&D Engineer at Intel Corporation, USA.
- **Mr. Kamaraju Haricharan**, Executive Director at Sana Biotechnology Inc., USA.
- **Mrs. Anita Chhalani**, Engagement Manager at Google Cloud Europe, London.
- **Mr. Raviteja Valluri**, Founder & CEO of Minto Softech Private Limited, Hyderabad.
- **Mr. Yechuri Sarada**, Executive Director at Farro Capital, Singapore.
- **Mrs. Annepu Vijaya Laxmi**, Deputy Inspector General of Police, Jharkhand Police.
- **Mr. Krishna Kiran Kasturi**, Founder and CEO of Apxor, Hyderabad.
- **Mr. Karthik Raghuram**, Vice President (Business Analysis) at Royal Bank of Scotland
- **Mr. Vijay Raju Chilakamarthi**, Deputy Commissioner of Income Tax at Income Tax Department.
- **Mr. Ratipalli Nageswara Rao**, Indian Engineering Services Officer, Indian Railways
- **Dr. Surya Prakash Putchala**, Head of Research and Development at Tata Motors, India.
- **Mr. Rajesh Reddy Katpally**, Engineering Manager at Apple Inc., Cupertino, USA.
- **Dr. Suresh Batha**, Additional Director at Soft Technology Parks of India (STPI)

- **Dr. V. V. Ajith Kumar**, Vice Chancellor at Skyline University, Nigeria
- **Mr. Madhu Papana**, Associate Director ICICI Prudential
- **Mr. P. Rishyendra**, Product Leader at IKEA, Sweden
- **Mr. S. Rajasekharam**, Asst. General Manager at Local Head Office, State Bank of India, Hyderabad.
- **Mr. Sridhar Kotyada**, Director, Product Control at UBS Financial Services.
- **Dr. Hari Teja, IAS**, Assistant Commissioner at Provident Fund, Andhra Pradesh
- **Mr. Srinivas RSB Dokka**, Vice President Sales at Taigle LLC (Europe, Middle East & Africa) United Arab Emirates.
- **Mr. Krishna Bapiraju**, Sr. Deputy Secretary at New Mangalore Port Trust
- **Shobana Raut**, Major, Indian Army
- **Shalini N**, Assistant Passport Officer, New Delhi Ministry of External Affairs
- **Mr. T Srinivas** -AGM (Regional Manager) Head of SBI Nandyal
- **Dr Sowjanya Modalavalasa**, MathWorks, Hyderabad
- **Dr Srikanya Dasari**
- **Mr. Prasanth Kumar J.** – Co-Founder and Senior Vice President - Global Cerebra Consulting Inc. Company, US
- **Mr. Naveen** – Vice President Bank of New York, Melon.
- **Mr. Syam Sundar**- Vice President, Samsung Global Advertising, Hyderabad
- **Mr. Srinivas Borra**- Director, Digital Marketing & Sales Operations, Kore. Ai company.
- **Mr. Seetaram Akula**- Dy Vice President & Cluster Head - HDFC Bank
- **Mr. Mohan Rao** – Superintendent, Central GST
- **Mr. Kiran Kumar**- Head HR, JSW Renewable, Hyderabad
- **Bhanuprakash** – Head, Internal Communications, Amazon, Mena, Dubai
- **Mr. Lovaraju**- Mandal Parishad Development Officer (MPDO), Anandapuram Mandal, AP
- **Mr. Rajesh Pebbili** - Head HR, Sanofi Healthcare India Pvt. Ltd.
- **Mr. Anil Akuri**, Intel BPO as Project Lead for Global HRIS product implementation
- **Ms. Dhatri** - Senior Manager (scale 3) FGM Office, Indian Bank, Hyd.
- **Mr. B. Rajasekharam**- Local Area Manager, SBI, A P Teleangana Region.
- **Ms. P. Aruna** - Global Delivery Manager, Deloitte Consulting, Bangalore.
- **Mr. P. Sairaj**, MLA, Ichapuram Constituency
- **Dr. Pallela Mythri**, PhD Univ of Houston, Global Product Manager | Cardiac Rhythm Management, Abbott
- **Dr. Sowjanya Modalavalasa**, PhD NIT Rourkela, Senior Engineering Technical Writer- Mathworks
- **Ms. Amrutha Lakshmi Kilada**, Associate Director, Martin Trust Center for MIT Entrepreneurship

Visuals of the institutes under **Gayatri Vidya Parishad**



**GVP MAIN CAMPUS – LAYING OF FOUNDATION STONE AT GVP MAIN CAMPUS
BY HH JAYENDRA SARASWATHI SWAMIJI OF KANCHI KAMAKOTI PEETAM**



**GVP MAIN CAMPUS – LAYING OF FOUNDATION STONE AT
GVP MAIN CAMPUS BY SRI SADGURU SIVANANDA MURTHY GARU**



SRI SADGURU SIVANANDA MURTHY GARU AT THE CONSTRUCTION POST



GVP MAIN CAMPUS_FRONT VIEW



GVP MAIN CAMPUS_TOP VIEW



GVP MAIN CAMPUS_AERIAL VIEW



GVP MAIN CAMPUS_TOP VIEW



GVP MAIN CAMPUS_GARDEN SIDE VIEW



GVP NORTH CAMPUS_CAMPUS BUILDING



GVP SOUTH CAMPUS_ AERIAL VIEW



GVP SOUTH CAMPUS_ AERIAL VIEW



GVP SOUTH CAMPUS_RUSHIKONDA CAMPUS



GVP SOUTH CAMPUS_RUSHIKONDA CAMPUS



GVP SOUTH CAMPUS_RUSHIKONDA CAMPUS



GVP SOUTH CAMPUS_RUSHIKONDA CAMPUS



GVP SOUTH CAMPUS_ AERIAL VIEW



GVP SOUTH CAMPUS_ AERIAL VIEW



GVP SOUTH CAMPUS_RUSHIKONDA CAMPUS



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INFRASTRUCTURE



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GVP MAIN CAMPUS_SEMINAR HALL



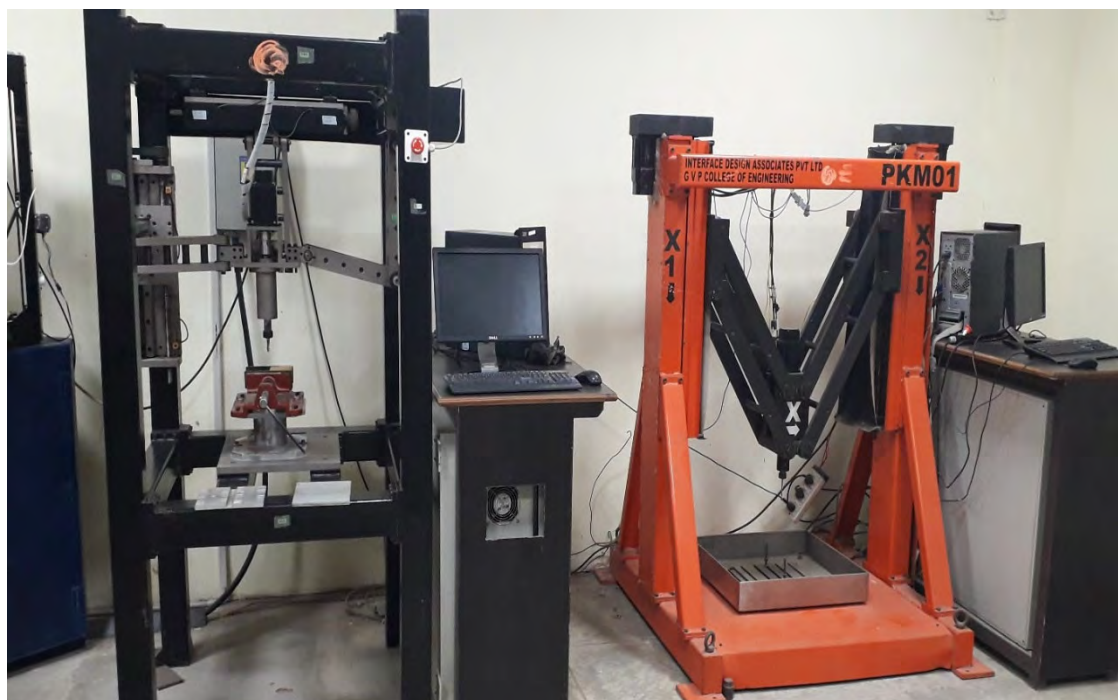
GVP MAIN CAMPUS_ SEMINAR HALL



GVP MAIN CAMPUS_ SEMINAR HALL



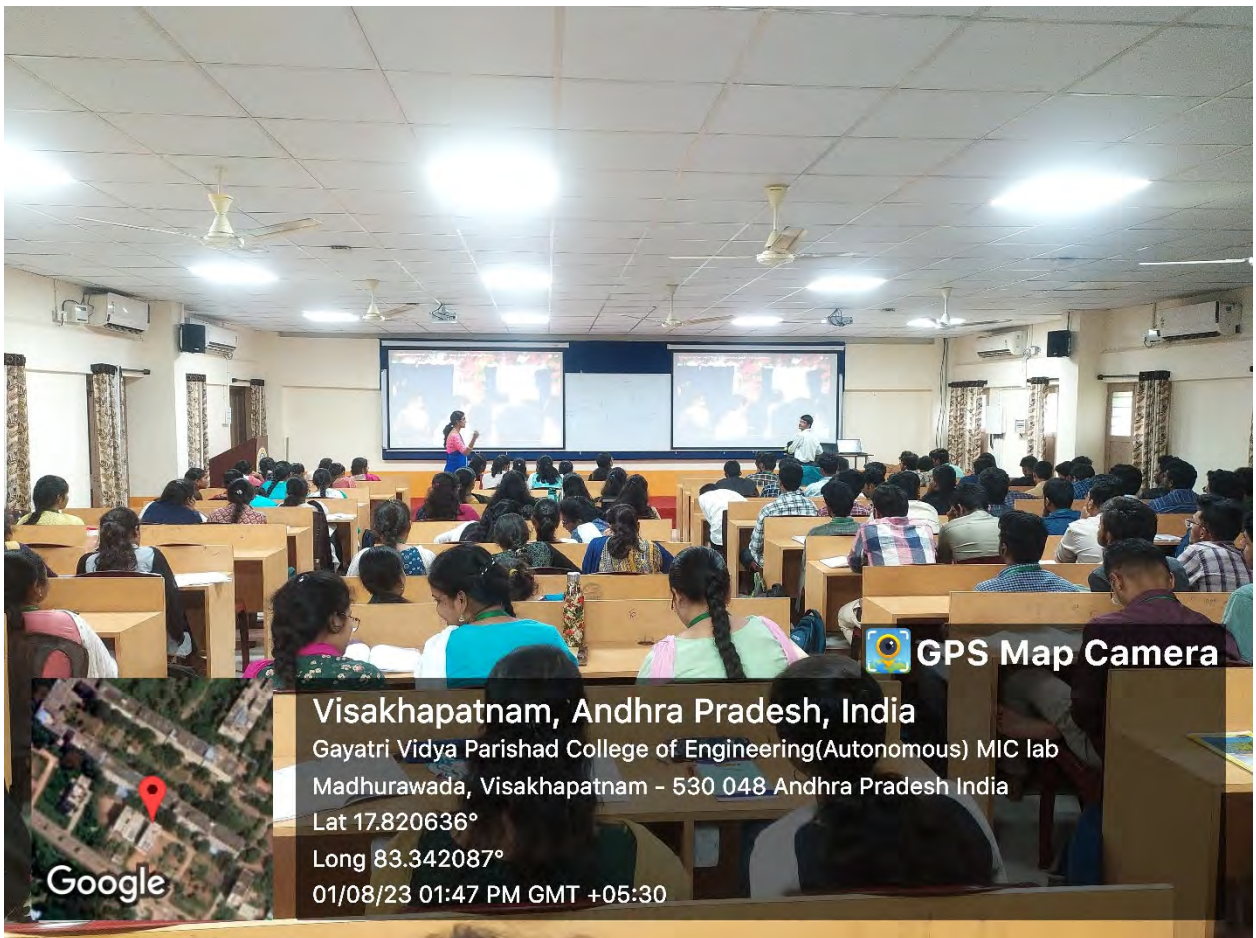
GVP MAIN CAMPUS_CIVIL ENGG. EXPERIMENTAL LAB




GVP MAIN CAMPUS_MECHANICAL ENGG._PARALLEL KINEMATIC MACHINE



GVP MAIN CAMPUS_COMPUTER PROGRAMMING LAB



 **GPS Map Camera**

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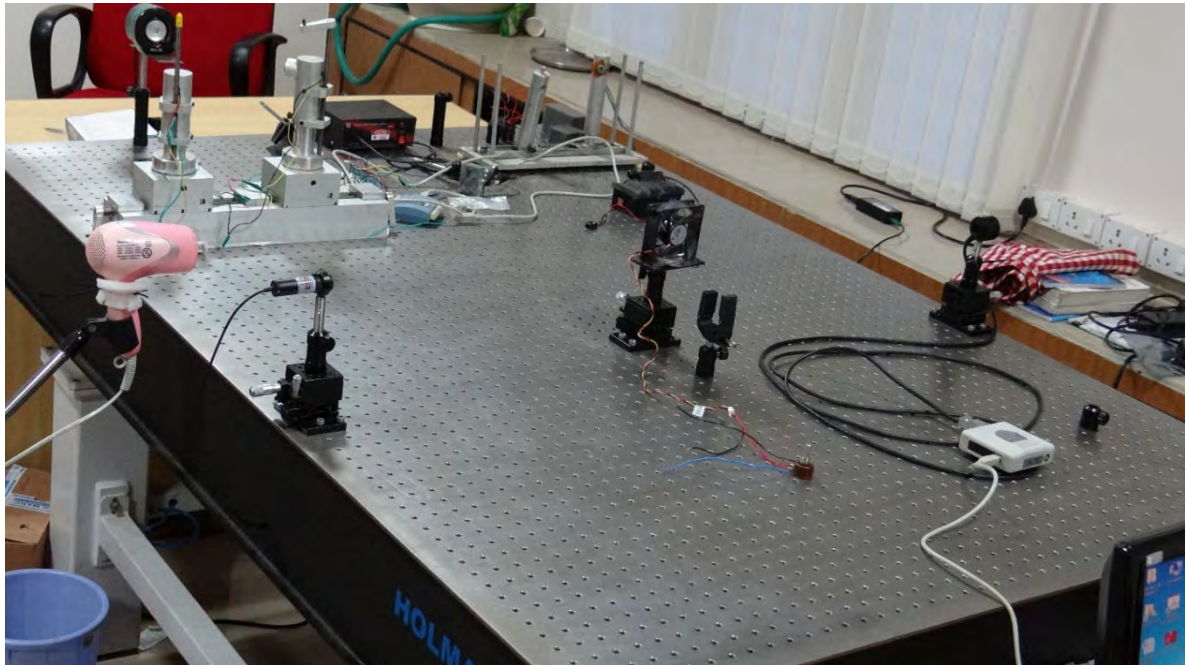
GVP MAIN CAMPUS_APSSDC_WELDING LAB



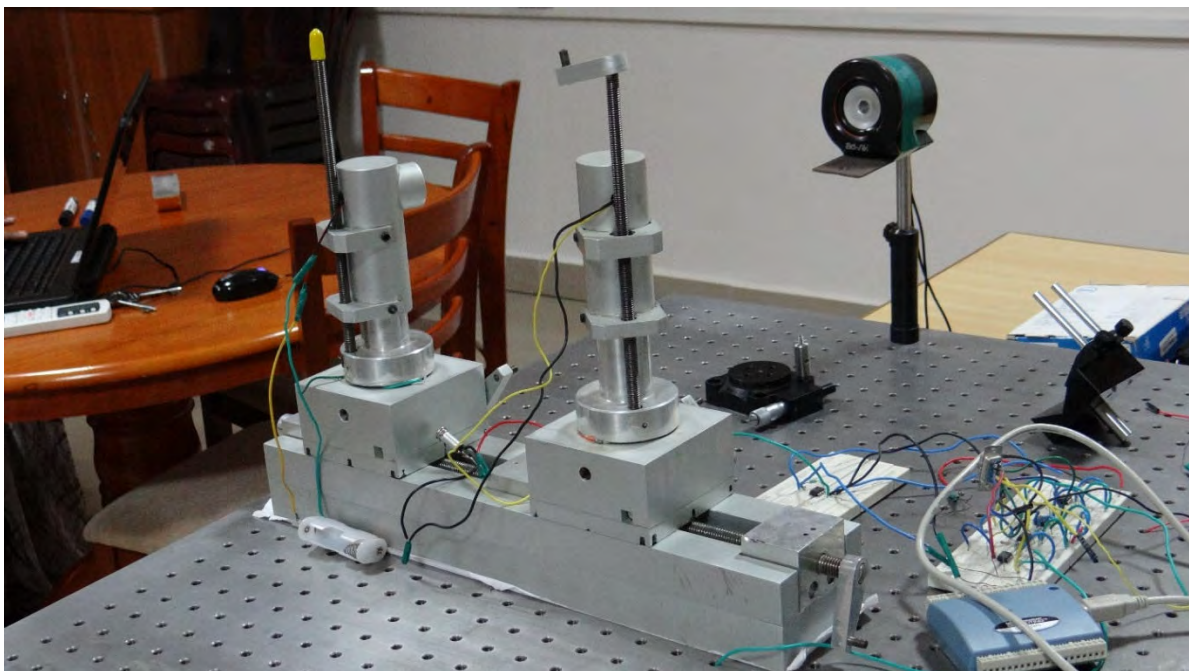
GVP MAIN CAMPUS_GVP SIRC



GVP MAIN CAMPUS_PHOTONICS RESEARCH LAB



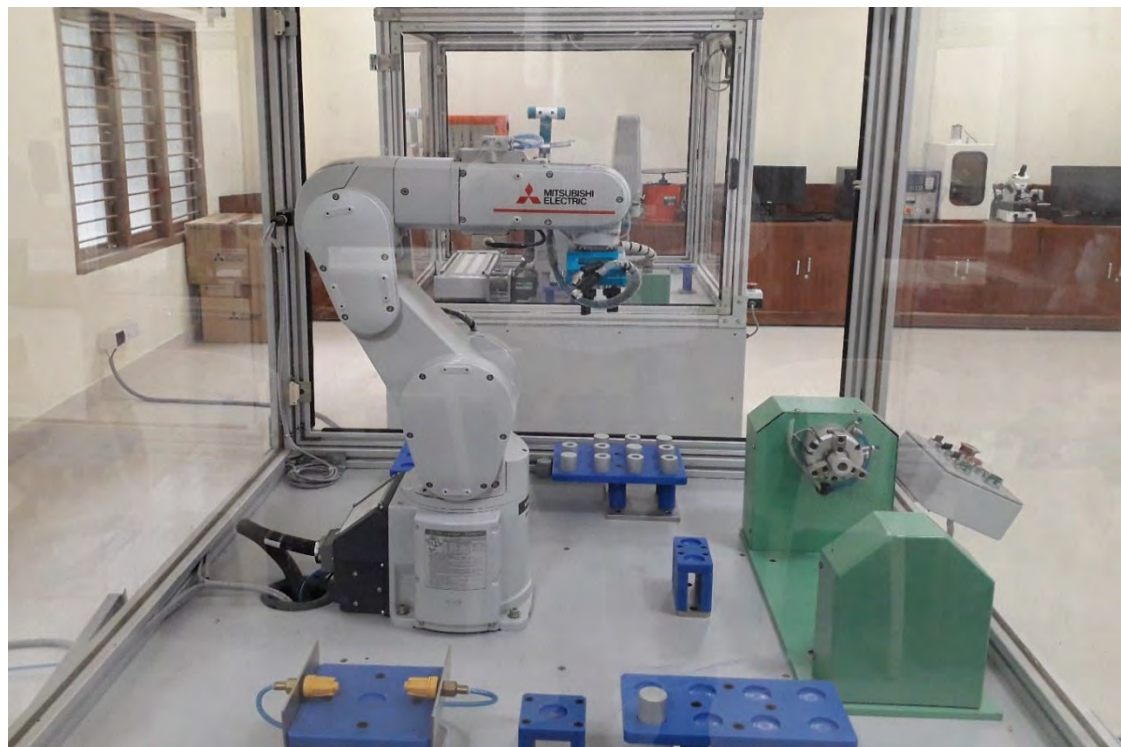
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GVP MAIN CAMPUS_PHOTONICS LAB



GVP MAIN CAMPUS_SIRC_WIND TUNNEL



GVP MAIN CAMPUS_ROBOTICS LAB



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GVP NORTH CAMPUS_ECE LAB 2



GVP NORTH CAMPUS_ECE LAB 3



GVP NORTH CAMPUS_ECE LAB 4



GVP NORTH CAMPUS_EEE LAB 1



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GVP SOUTH CAMPUS_ COMPUTER LAB



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GVP SOUTH CAMPUS_WORKSHOP



**GVP SOUTH CAMPUS_100KG CAPACITY PAN MIXER IN
CONCRETE TECHNOLOGY LAB**



GVP NORTH EAST CAMPUS_ CATH LAB



GVP NORTH EAST CAMPUS_ CATH LAB



GVP NORTH EAST CAMPUS_ AUTOMATED HISTOPATHOLOGY MACHINE



GVP NORTH EAST CAMPUS_ CT SCAN



GVP NORTH EAST CAMPUS_MODERN EYE TESTING



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GVP NORTH EAST CAMPUS_TEACHING STAFF QUARTERS