



# Gayatri Vidya Parishad

## College of Engineering for Women

# GAYATRI SUMAM

[Hey! *Pranavaswarupini*, who exists in all the three time scales , in the three transient stages of our mind, and in the three gunas we pray that YOU illumine our intellect and dispel our ignorance like the resplendent SUN removes all darkness. We pray YOU to gracefully offer us the serene, sharp,transcendental enlightened intellect]

Volume: 13	Issue:4	JANUARY 2022
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Engineering is the art of directing the great sources of power in nature for the use and convenience of man."

**Thomas Tredgold**

<p><b><i>Vision of the Institute</i></b></p> <p><i>To emerge as an acclaimed centre for learning that provides value based technical education for the holistic development of students</i></p>	<p>January was named after Janus, the Roman god of all beginnings. This is the month of the new door of the beginnings of the new year with new things, possibilities and provides the ability to see all things past and future.</p> <p>After a long gap, a sense of normalcy has returned to the campus with a number of events, academic and non- academic taking place in and outside the college. Many faculty and students have brought laurels to themselves and the college.</p>
<p><b><i>Mission of the Institute</i></b></p> <ul style="list-style-type: none"> <li>• Undertake activities that provide valuebased knowledge in science, engineering &amp; Technology.</li> <li>•Provide opportunities for learning through industry-institute interaction on the state-of-the-art technologies.</li> <li>• Create collaborative environment for research, innovation and entrepreneurship to flourish</li> <li>•Promote activities that bring in a sense of social responsibility</li> </ul>	<p><b>(a) Papers</b></p> <ul style="list-style-type: none"> <li>• <b>Dr. P.V.S.L Jagadamba, Ms.Garapati Sai Harshini, Ms.Kalla Gowri, Ms.Gandi Yernamma,</b> published an article titled "Automatic Speech to Text Summarization Using Graph Based Algorithm", in the <b>International Journal of Enhanced Research in Science, Technology &amp; Engineering, Vol-10,No-10., 01-10-2021.</b></li> <li>• <b>M. Bhanu Sridhar, K Himaja, M. Bhargavi,</b> "A Unique Framework for Contactless Estimation of Body Vital Signs using Facial Recognition", International Journal of Computer Science and Mobile Computing, Vol. 10, Issue 12, Dec. 2021, Pg. 14-20.ISSN 2320-088X. (DOI: 10.47760/ijcsmc.2021.v10i12.002)</li> <li>• K. Srinivasa Rao and <b>M. Bhanu Sridhar,</b> "IoT based Smart Fridge Application", International Journal of Engineering, Research and Technology, Vol. 11, Issue 12, December 2021.</li> </ul>
<p><b>Contents</b></p> <p>Vignettes</p> <p>Publications</p> <p>Workshops/Seminars/FDPs/Conferences</p> <p>College Events</p> <p>Students News</p> <p>Sports News</p> <p>In a Lighter Vein.....</p>	

**(b) Conference Proceedings**

- Dr. PVS Lakshmi Jagadamba and Dr L. Greeshma presented a paper **“A Mini Symposia on " Reinforcement Learning and Adversarial Autoencoder 2021" “Mini Symposium on “Reinforcement Learning and Adversarial Autoencoder”** as part of the International Conference RAMSA Organizing by GVP College of Engineering (Autonomous)
- **Mr. VSSVD PRAKASH, Dr. A. Suseelatha, Dr. T. Poornakantha, Ms. B. Bharathi, Dr. A. KameswaraRao** attended an International Conference on **“Recent Advances Mathematical Sciences and its Applications (RAMSA-2021)”** in virtual mode conducted by Gayatri Vidya Parishad College of Engineering (A), Visakhapatnam from December 21, 2021 to December 24, 2021.
- **Dr. A. KameswaraRao** attended an International Conference on **“Recent Advances Mathematical Sciences and its Applications (RAMSA-2021)”** in Virtual mode conducted by GITAM , deemed to be university from December 20, 2021 to December 21, 2021.

**(c) Webinars/FDPs / online courses**

- **S.Sumahasan** attended A Webinar on Storytelling and puzzles in an Engineering course organized by GVPCEW on 09-10-2021.
- G.Sankara rao, Ms. Kinjal Goswami, Mrs. KVS Mounica, Mr. A. Udaya Kumar, Ms. K. Rohini, Mr. KP Naidu attended a Webinar on Storytelling and puzzles in an Engineering course organized by GVPCEW on 09-10-2021.
- Dr. M. Bhanu Sridhar attended AICTE National Webinar - Improving Ease of Doing Business, Reducing Compliance Burden on 20-10-2021.
- Ms. Kinjal Goswami attended an FDP on **“Fundamentals of Robotic Process Automation”** by ICT Academy from 04-10-2021 to 08-10-2021.
- **Dr. Rani Prava Nanda** attended a National Level online workshop on **“Intellectual Property Protection and Innovation Management for Competitiveness of Academia & Industries”** conducted by Gayatri Vidya Parishad College for Degree and PG Courses (A), Rushikonda, Visakhapatnam in collaboration with NRDC and IIC, MoE, Govt. of India from October 4, 2021 to October 5, 2021.
- **Mr. A. Srinivasa Rao** attended a National Level online FDP on **“Powder Metallurgy Technologies - A Perspective in Automobile, Defence and Space sectors”** conducted by SreeVidyanikethan Engineering College (Autonomous), Tirupati on October 20, 2021.
- **Mrs P. Sridevi** attended a Virtual webinar on **“A Pathway to Good Quality Research Work and Innovations”** organized by IEEE VIZAG BAY SECTION on October 5, 2021.
- **G. Sankara Rao** attended an FDP on security in distributed and network systems organized by NITW, Warangal from 11-11-2021 to 20-11-2021.
- **Dr. M.Bhanu Sridhar** attended AICTE Webinar IMEDF SFURTI Training Module for Faculty by AICTE on 23-12-2021.

- **Dr. M.Bhanu Sridhar** attended National Educational Policy & Higher Education Webinar at GVPCE on 15-12-2021.
- **A. Udaya Kumar** attended AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "EDP on fostering Start-up, Innovation and Entrepreneurship/Intrapreneurship" organized by Andhra University, Visakhapatnam from 06-12-2021 to 10-12-2021.

#### (d) College Events

- Two weeks, from 14 to 26 November 2021 saw a beehive of activity in the college campus as the freshmen entered the college. The Student Induction Program(SIP) was efficiently organized by Dr. Suseelatha, I year coordinator catering to a whole new experience of transitioning from Intermediate to Engineering. The SIP introduced the budding engineers to the new environs of the college, undergraduate engineering course and making friends in a fun-filled, activity based learning environment. Prof. Somaraju, Secretary, GVP addressed the students on the first day. Experts in various fields conducted sessions for the students ranging from math, computational and communication skills. Life skills, values and ethics were also emphasized during the sessions. Experiential, task based, collaborative and creative learning were experienced by the students making the two weeks a memorable one.
- Department of Basic Sciences and Humanities organized an interactive session on STRESS MANAGEMENT by Ms. Neelima Kumar for the newly admitted students of 2021 batch on 17<sup>th</sup> Dec'21. Dr. A. Suseelatha, coordinated the event assisted by Dr. Ch. S. Lakshmi, Ms. Siva Jahnavi and Dr. V. UshaRamani.
- ECE Department **along** with ECLAT-A Club and IETE conducted a HARDWARE EXPO-2021 on 30-12 - 2021 in College Auditorium, in which 30 teams presented their projects.
- Department of EEE organized a Guest Lecture as part of the TESLA (Student club of EEE) event on 18 September 2021 by Dr M. Santhosh Kumar of *Engineering and Industrial Services (EIS), TATA Consultancy Services* on the topic "**Electrification of Automobiles**". The 3<sup>rd</sup> and final year EEE students participated along with the faculty members.
- Department of EEE conducted AICTE-ISTE Induction/Refresher program sanctioned by AICTE from 9 Dec to 15 Dec,2021 on **E-Mobility and Battery Charging** through online mode.
- Computer Society of India (CSI) Student Branch organized a webinar on "Career Options in the Digital World and Employability" for all CSI students on 04-10-2021. The resource person was Mr. Sairam Bollapragada, Director, Global Delivery Center Head, Micro Focus, Bengaluru for CSI event were Mr. S Sumahasan from CSE Department and Mrs. P Sridevi & Mr M Santosh from IT Department were the facilitators.

- Dept of Computer Science and Engineering organized a webinar on "Storytelling and Puzzles in an Engineering Course" on 9th October 2021 through Zoom platform. The resource person for the webinar was Prof. MRK Krishna Rao, Dept. of CSE, GVPCEW. The faculty from other GVP institutions also participated in this webinar.
- A Workshop on **Cloud Technologies (Amazon Web Services)** was held by Mr.M. Santhosh of Dept. of IT for 3 & 4 Year students was organized on 29 & 30 October, 2021
- Computer Society of India (CSI) Student Branch organized "Coding Contest" for the III and IV-year students of B.Tech. CSE and IT on 19<sup>th</sup> Nov'21. The event was conducted in two rounds. Almost 150 teams of 2 each participated in this event. The student coordinators were A Trejeswini President, E Mahalakshmi, member, B Jahnvi and K. Akhila, Treasurer. The faculty coordinators for CSI event were Mr. S Sumahasan from CSE Department and Mrs. P Sridevi & Mr M Santosh from IT Department.
- Congratulations to Ms. R Anuradha, Asst Librarian who was awarded Ph.D for her thesis "Developing Digital Collection: Challenges and Implications-Indian Experiences" on 4<sup>th</sup> October, 2021 by Andhra University, Visakhapatnam.
- Prof. K. Raja Rajeswari, Principal Investigator has submitted "Literature survey report" of Contract of Acquisition of Research Services (CARS) consultancy project titled "Study and Development of Temporal Side lobes Level Reduction Methods for PulseDoppler Radars" to LRDE, DRDO, Bangalore in Oct'21.

(e) **Department Activities:**

(i) **Department of Basic Sciences & Humanities**

- **The Department of Mathematics**, Gayatri Vidya Parishad College of Engineering for Women has conducted a **Mini-Symposium** on the theme: **Differential Geometry and its General Applications** on 23<sup>rd</sup> December, 2021 in the college premises in Virtual mode as a part of **International Conference RAMSA-2021** held during 21<sup>st</sup> - 24<sup>th</sup> December, 2021.
- On behalf of the **Mathematical Sciences Club of GVP College of Engineering for Women** a special Lecture was delivered by Prof. Dr. G. Sudheer on 22<sup>nd</sup> December, 2022 to 1st B. Tech. students on the birth anniversary of Sri Srinivasa Ramanujan's.

(ii) **Department of Computer Science & Engineering**

- **CSI Members** organized a webinar on "Career Options in the Digital World and Employability" by Mr. Sairam Bollapragada, Director, Global Delivery Center Head, Micro Focus, Bengaluru.
- Technical Seminar on "Data Visualization Techniques and Introduction to Exploratory Data Analytics" and Quiz on Aptitude were conducted by Praseeda Sarepalle, 20-4247 and Jayasree Thyadi, 20-4256: as a part of COSCENGER club event.

- 2 Day hands-on Workshop on Web Development using Django was conducted by COSCENGER club.
- 2 Day Hands on Workshop on Data Analytics conducted by COSCENGER club.
- The Department of CSE organized 'Crack the Puzzle' contest on 7th October, 2021 and 21st October, 2021 for 2nd and 3rd year CS and IT students.
- The Department of CSE organized a webinar on "Storytelling and Puzzles in an Engineering Course" on 9th October, 2021.
- The Department of CSE organized a value-added course on "Web Development Using Full Stack" by Dr. L. Greeshma from 20th October, 2021 to 24th January, 2022.
- The Department of CSE conducted a debate on "Current Engineering Placements Analysis" for 2nd year students on 18th November, 2021.
- The Department of CSE organized a mini symposium on "Reinforcement Learning and Adversarial Autoencoder" as part of the International Conference RAMSA Organizing by GVP College of Engineering (Autonomous) on 24th December 2021.
- The Department of CSE conducted a Hands-on Craft Session on Mandala Art, Origami and Paper crafts on 30th December, 2021 for 2nd and 3rd year students.

The department of CSE has a student Association COSCENGERS club. As part of this club the following events are conducted in offline mode. The faculty coordinator is Mrs. K Rohini.

S.No.	Event Name	Date of Conduct & Timings	Mode of Conduct
1	Crack The Puzzle- Round1	7/10/2021 2:45PM-4:30PM in Room 201& 202	Offline
2	Orientation Session on COSCENGERS to II Year students of CSE and CSM (2020 admitted Batch)	21/10/2021 2:45PM-4:30PM in Auditorium	Offline
3	Crack The Puzzle- Round2	21/10/2021 2:45PM-4:30PM in Room 202	Offline
4	Technical Seminars by 3CSE students followed by Selection of COSCENGER members from II B.Tech CSE and II B.Tech. CSE (AI&ML) students.	28/10/2021 2:45PM-4:30PM in Auditorium	Offline

**(iii) Department of Information Technology**

- **The Dept. of IT organized** a guest lecture on “**Career Options in the Digital World and Employability**” by Mr. Sairam Bollapragada, Director, Global Delivery Center Head, Micro Focus, for the 3<sup>rd</sup> year students as a part of **CSI events** on October 5, 2021. Mr. M. Santhosh and Ms. P. Sridevi coordinated the event.
- **Dr. D. K. Bebart** conducted a workshop on **Machine-Learning Paradigms: An Overview** for the 2<sup>nd</sup> year students on October 29 & 30, 2021.
- M. Santhosh conducted a workshop on **Cloud Technologies (Amazon Web Services)** for the 3<sup>rd</sup> and 4<sup>th</sup> year students on October 29 & 30, 2021 in the college premises.
- Mr. M. Santhosh coordinated a workshop on “Yoga and Personality Development” for II and III B. Tech students on 29/12/2021. Mr. S.V Satyanarayana was the resource person for this event.
- Ms. M. Deepthi coordinated the technical talk by the resource person, Sri Suresh Kumar Tankala, Lead Consultant (Enterprise Mobility Management-MDM Solution Architect), Wipro Limited followed with the inaugural of “SPIKE” department student club on 18/12/2021. Students from II, III, and IV Year of Information Technology participated in the event.

**(iv) Department of Electrical & Electronics Engineering**

- Dept. of EEE organized several events as part of the **Energy Conservation Week- Azadi ka Amrit Mahostav: Energy Efficient India**.
- A webinar on “Rain Harvesting and Energy Efficient Home Appliances” on December 21, 2021.
- A webinar on “Electric Vehicles and Retrofitting of EV” on December 16, 2021.

**(f) Faculty Achievements**

- Dr A Hemachander, Mr M. Krishna and Mr D Srinivas Reddy showcased a project “e RS-Retrofitting Services” with the objective of converting a conventional two or four-wheeler into an Electric Vehicle at– TIDE 2.0- a road show for start-ups jointly organized by Andhra Pradesh Innovation Society (APIS) and Ministry of Electronics and Information Technology (Meity) on 16<sup>th</sup>&17<sup>th</sup> June,2021. This project now has been sanctioned and the faculty was felicitated in Vijayawada on 30<sup>th</sup> September, 2021.
- **Dr. M Bhanu Sridhar and Dr. N Sharmilli** reviewed research papers for International Conference on Computing, Communication and Power Technology. Raghu Educational Institutions (IEEE Xplore), Jan 3-7, 2022.
- **Dr. M Bhanu Sridhar and Dr. N Sharmilli** chaired Sessions for International Conference on Artificial Intelligence and Block chain Technology (**AIBT-2021**), **Beijing, China** through online (Zoom Meeting) on 6/12/2021

### **(g) Student achievements**

- Four students of I CSE (AI-ML) Ms. Praseeda S, Ms. Jayasree T, Ms. Monika K, Ms. Supraja A were declared as First Runners-Up in Accenture AI Hackathon. Top 10 teams out of 3500 teams were shortlisted for grand Finale which was held on 27th July 2021. The team won Rs. 1 Lakh cash prize. The mentor for the team was Mrs. P Sridevi, of the IT Department.
- Bhavya Yaraswini Gadu of BTech III CSE has been ranked in the Top 9 out of 26000 participants after facing 5 rounds in MONSTER TECHNODIVA — National Hackathon for India's Best Women Coder. The grand finale is yet to be scheduled. Mrs. K Rohini, Assistant Professor, CSE Department was the mentor.
- Ms. K. Dedeepya II CSE and Ms. S. Praveena II ECE have represented AP in the inter collegiate, inter-state debate competition organized by XIME and Maria Philips Future Leaders Debate 2021 in Chennai on December 3 2021. They are the runners up in the semi-final round winning a prize money of Rs. 15000 each. The finals are to be held in Bangalore at a later date. Dr. Ch. Alekhya and Dr. V. Usha Ramani coached the winners.

### **(h) Sports**

- Ms. J Gayatri Devi of II CSE won Gold Medal in 1500m & 800m Running Race and Silver Medal Triple Jump in JNTUK Inter Collegiate Athletics (M & W) Championship Dec'21.
- JNTUK Inter University Volleyball team selection trials were held at MIC of Technology, Kanchikarla Krishna District on 03-12-2021. K. Mohinidevi 20JG1A1218 II IT was selected to be in the stand by position for JNTUK Volleyball team.
- **R. Jashya 19JG1A0598 III CSE** was selected for JNTUK Badminton Women Team. and She participated "South Zone Inter University" Championship held at Rayalaseema University. A.P, on 14 December 2021.
- 7<sup>th</sup> Senior Inter District (Men & Women) Netball Championship held at Visakhapatnam, 17<sup>th</sup> to 19<sup>th</sup> December 2021 . **B. Umamaheswari 18JG1A0415 IV ECE and G. Rupa 20JG1A4219 II CSM** Participated above event and this team secured 2<sup>nd</sup> place.
- J. Gayatri Devi , 20JG5A0405 ,III ECE participated in JNTUK Athletics Inter Collegiate Tournament organised by Aditya Engineering College, Surampalem, East Godavari District from 23-12-2021 to 24-12-2021. She won a GOLD MEDAL in 1500m & 800m Running Race and SILVER MEDAL in Triple Jump. She was selected to participate in JNTUK Athletics women team at All India Inter University Tournament held at KIIT University, Bhubaneswar from 21-02-2022 to 24-02-2022.

- JNTUK Inter University Tennis Women Team selection trails were held at JNTUK Kakinada on 03-01-2022. **L.Janitha 18JG1A0458 IV ECE** participated in the Selection

### **In a Lighter Vein...**



Editorial Team :Dr.Usha Ramani.V, Asst. Professor, Dr. Ch. Alekhya, Asst. Professor, G. Priyanka- 20JG1A0216, Susmitha- 20JG1A0224, N. V. Kiranmai- 20JG1A0473, P. Shyamala- 20JG1A0481, S. Keerthi- 20JG1A0493, G. Sravani- 20JG1A0527, M. Gautami- 20JG1A0561, Lathifunnisha- 20JG1A4232, T. Jayasree – 20JG1A4256