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 gunaas 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]

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Nothing in life is to be feared. It is only to be understood.
Marie Curie

Vision of the Institute

To emerge as an acclaimed centre for learning that provides value based technical education for the holistic development of students

Mission of the Institute

• *Undertake activities that provide valuebased knowledge in science, engineering & Technology.*
•*Provide opportunities for learning through industry-institute interaction on the state-of-the-art technologies.*
• *Create collaborative environment for research, innovation and entrepreneurship to flourish*
•*Promote activities that bring in a sense of social responsibility*

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Significant Figures series...
Hedy Lamarr: The Incredible Mind Behind Secure WiFi, GPS and Bluetooth

The International Day of Women and Girls in Science is celebrated every year on February 11th. The day celebrates the contributions of women and girls to science and technology. It also aims to promote gender equality in science and technology. As well as to recognize the critical role women and girls play in science and technology.

Women are often valued for their physicality but not for their ability to think, invent or create. These archetypes date back to Greek mythology and are still used to depict women in media and advertising today.
Hedy Lamarr, a strikingly beautiful Hollywood movie star known for her Oscar nominated roles in the 1940s. However, is not widely known for her technical innovations that have revolutionized telecommunications. Her frequency-hopping technology in 1941 became a precursor to the secure wi-fi, GPS and Bluetooth now used by billions of people around the world.
Born in Austria to Jewish parents, Lamarr emigrated to the U.S. just before World War II. This Viennese beauty conducted her experiments in her trailer in the free time she had between her shots during filming. Unfortunately, she did not get a cent from the multi-billion-dollar industry her idea paved the way for as she did not patent her ideas. The U.S. military has however publicly acknowledged her contribution to frequency-hopping and other ideas.

Publications

Papers

1. Dr. Ch. S. Lakshmi has **submitted a research paper titled "**Optical studies of Nickel Copper Zinc Ferrites" for publication **to the Journal of Luminescence (Elsevier publishers Pvt. Ltd.,)**

2. Mrs. R. Sridevi, Dept. of IT published a paper titled "Identification of Spatial Relations in Mathematical Expressions" Authors: Sridevi Ravada, Sudheer Gopinathan, D. Lalitha Bhaskari in **Journal : RT&A, No 4 (65) Volume 16, December 2021.**

3. Rohini Kancharapu, A. Sri Nagesh, M. Bhanu Sridhar, "Prediction of Human Suicidal Tendency based on Social Media using Recurrent Neural Networks through LSTM", IEEE International Conference on Computing, Communication and Power Technology (IC3P-2022), Raghu Institute of Technology, IEEE Vizag Bay Section from Jan 7-9, 2022. https://ieeexplore.ieee.org/document/9793461

4. N. Sharmili, M. Bhanu Sridhar, "Implementation of mid-day meal scheme into limelight", IEEE International Conference on Computing, Communication and Power Technology (IC3P-2022), Raghu Institute of Technology, IEEE Vizag Bay Section from Jan 7-9, 2022. https://ieeexplore.ieee.org/document/9793405

5. Bhanu Sridhar Mantravadi, Dharani Kandula, Sharmili Nukapeyi, "Forecast of COVID-19 by Chest Ray Images using CNN Algorithm with Sequential and DenseNet Models", Breakthrough in Heurist And Reciprocation of Advanced Technologies BHARAT-22, April 7-8, 2022, GITAM (Deemed to University), Visakhapatnam, IEEE Vizag Bay Section.

Workshops/Seminars/Presentations/FDPs

➢ **Ms. K Rohini** attended 30 hours **Online short-term course** on "**Machine Learning with Python for Beginners**" Organised by Department of CSE, NIT Warangal in association with Center for Continuing Education from 20-12-2021 to 06-01-2022.

➢ Mr. G. **Shankararao** attended a webinar on "Role of Cyber security in data privacy" Organized by LFDC Hyderabad, UPPAL on 28-01-2022.

➢ **Mrs P.Sridevi,** Dept. of IT attended **"Distinguished Lecture Series"** by Dr.Suman Chakraborty, Dean and Professor, Department of Mechanical Engineering, IIIKGP, organized by SOA University in association with INAE Bhubaneswar Chapter and IMMT, Bhubaneswar on Jan 7, 2022.

➢ **Mrs P. Sridevi,** Dept. of IT attended the inaugural function of International Conference on Computing, Communication and Power Technology(IC3P 2022) organized by IEEE Vizag Bay Section jointly with RIT(A) in online mode on Jan 7,2022.

➢ **Mrs P. Sridevi,** Dept. of IT attended a webinar "Breaking the Bias " by Dr. Mini Ulnat conducted by IEEE WIE Affinity Group, Vizag Section on March 9, 2022.

College Events

➢ On 24 February 2022, **Vice Admiral Raman Puri PVSM, AVSM, VSM** spoke to the students of GVPCEW on the topic" Elements of National Security". He reiterated that earlier wars were fought on Land, Sea and air. However, due to the advancements and accuracy of modern war technology, 2 more dimensions – Cyber space and outer space have been added. Due to this, he warned "Nobody is safe". Special invitee Sri. Prabhakar garu, Prof. P. Somaraju garu, Secretary GVP, graced the occasion. Dr. R.K.Goswami, Principal, Prof. G. Sudheer, Vice- Principal, heads of departments, faculty and students were present. As a token of appreciation for the invaluable services of Vice Admiral Raman Puri was felicitated by Prof. Somaraju garu.

- **The CSE department** organized One Week Online Workshop on "Machine Learning and Cyber Security" for 2nd year CSE, CSM and IT students during 17th -21st January 2022. The resource persons are Mr. Omkar Thadem, Data Scientist, TCS and Mr. Moutan Sarkar, Cyber Security, TCS. The faculty coordinators are Mr. G Shankar Rao, Asst. Prof, CSE Department and Mr. M Santosh from IT Department.
- The Dept. of EEE organized an interactive session on "Career Development & Smart Goals" by Dr. P. Venkata Rao, Chairman, T&P, GVP College of Engineering, Visakhapatnam on February 25, 2022.
- The Dept. of EEE organized an Expert Talk on "Control Systems" by Mr. Gnaneshwar Goud, Sr. Faculty member at ACE, for the III- & IV-year students on February 26, 2022.

- The Department of BS & H, Gayatri Vidya Parishad College of Engineering for Women, celebrated National Science Day 2022 on 28th February 2022.
  - To commemorate the day, Poster presentation competition and Science fair with working models exhibition were conducted for 1st year B. Tech students on the theme **"Integrated approach to Science and Technology for a Sustainable Future"**, given by the Department of Science and Technology, Government of India.A total of 31 participants comprising 14 teams participated in poster presentations and another 13 participants in 4 teams participated in working models presentations.
  - A Guest Lecture was given by Prof. Y. V. Subbarao, School of Computer Information Science, University of Hyderabad in Virtual mode for 1st Year Students on BlockChain Technology after the completion of the events.
- IEEE Membership drive for fresh memberships and renewals has been organized, Mrs. P. Sridevi Dept. of IT was the SB Counselor from GVPCEW.

- **Mrs. M. Deepthi**, Coordinated the training session "Webinar on Algorithms" by ACE Academy, on 28-02-2022. For III B.Tech I semester students of IT .
- *Women's Day* was celebrated at Gayatri Vidya Parishad College of Engineering for Women on 8th of March 2022. The UN's theme is "**Gender equality today for a sustainable tomorrow**", which aims to recognize women who are working to build a more sustainable future. In keeping with the theme, various programs such as quiz, singing and poetry recitation were also conducted. On this occasion, an awareness program by the personnel from the police department with an emphasis on Disha App was held. This was followed an interactive session on health and hygiene by Dr V Sivani and Dr Ch. B Sridevi Geethanjali from the GVP Medical College. A lec- dem was also conducted by Dr. Alekhya Emandi, Meditation and Wellness Expert, who described the importance of "Rhythm of Breath" by conducting the six-minute breathing session.
- As part of Women's Day 2022 celebrations, Prof. Dr.K. Raja Rajeswari, Director (R&D), GVPCEW was felicitated for her achievements and contributions to the field of academics.
- The Department of CSE conducted a group discussion on "Online Platforms, Social Media and Its Effects" and "Project and Resume Building" for 2nd year students on 10th March 2022.
- The Department of CSE conducted a Technical Rapid Fire quiz on 17th March, 2022 for 2nd year students.
- **CSE department** of GVPCEW organized One Week Online Workshop on "Machine Learning and Cyber Security" from 17th to 21st January 2022. The resource persons were Mr. Omkar Thadem, Data Scientist, TCS and Mr. Moutan Sarkar, Cyber Security, TCS On 17-03-'22
- A Guest Lecture for ECE students on "**EVOLUTION OF EMERGING (WIRED AND WIRELESS) TECHNOLOGIES IN TELECOM**" was delivered by **Sri. MALLA SATYA PRASAD** (Deputy General Manager, BSNL-Visakhapatnam). Students benefitted a lot by this lecture as they became aware of numerous areas of opportunities in the field of telecom.

- **The CSE department** of GVPCEW organized a Value- Added Course on "Web Application Development" from October 2021 to January 2022. The course was for the duration of 30 hours and was compulsory to all students.
- **IT department of GVPCEW** arranged an expert lecture on 'Designing of the Algorithms and their analysis' through a resource person from ACE Engineering Academy. The expert explained the basics and also topics essential for programming and optimization of the code. It was an interactive and hands on session where the students were also asked to solve problems and calculate their complexities.
- **The CSE department** of GVPCEW has started a Programming Club PICSL ("Programmers Innovators & Coders Society of Learning"). This club organized a Hackathon in January 2022 through an online programming platform called D2C (Dare To Compete) in two rounds for all students of CSE and CSM. Approximately, 200 students participated in this event.
- **The Department of CSE** plans to organize a 2 Week Workshop on "Android Application Development Using Kotlin" for the students of 2 CSE and 2 CSM during 27th March 2022 – 4th April 2022. Around 125 students registered for this workshop.

Faculty News

- A patent has been published by **Prof. Raj Kumar Goswami,** Prof of ECE & Principal for his invention "**Trellis Coded Modulation System for Improved Bit Error Rate in Fading Channels"** in the Patent Office Journal No. 06/2022 dated11/02/2022
- **Dr. Rani Prava Nanda** received **Naari Shakthi** Award for Best Woman Academician on the occasion of on March 8th 2022. The award was given by **Yellapragada Life Sciences and Universal Society for Research and Development.**
- **Mr. V. V. V. Satyanarayana,** was a consultant for the Iot Integration Part Alpha Testing and Deployment of Miniature Scale Model (For Accenture software company) during 18 -21 March at the Think3d facility, Hyderabad.
- **Dr. P. Srinivasa Rao,** has been the Question paper setter in Applied Chemistry for I B. Tech Regular March/April-2022 Exams of Sasi Institute of Science & Technology.
- **Dr. Ch. Alekhya,'s** Abstract on the topic titled "Digital Education Policy" was accepted for a chapter publication by the international publishing house, Taylor and Frances.

 In a Lighter Vein……

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