



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]

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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><i>Vision of the Institute</i></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>HER STORY</p> <p>It is our endeavour to bring the stories of women who made enormous contributions to science to be made household names. Under the Byline, Herstory, we celebrate the stories of some of the greatest Indian women scientists of all time. Their lives are role models for all girls who aspire to make a mark in the field of science and technology.</p>
<p><i>Mission of the Institute</i></p> <ul style="list-style-type: none"> • <i>Undertake activities that provide valuebased knowledge in science, engineering & Technology.</i> • <i>Provide opportunities for learning through industry-institute interaction on the state-of-the-art technologies.</i> • <i>Create collaborative environment for research, innovation and entrepreneurship to flourish</i> • <i>Promote activities that bring in a sense of social responsibility</i> 	<p>Since time immemorial, India is famed for its rich contribution to the field of science and mathematics. In fact the concept of ‘Zero’ as a number and decimal system were inventions of brilliant mathematicians of ancient India. India’s rich history is replete with examples of several great scientists who have brought immense pride to the nation. Among them there are several women scientists who have contributed significantly to various disciplines of science. Unfortunately though, these women have stayed in the shadows.</p>
<p>Contents</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>	<p><i>Kamala Sohonie (1912 – 1998)</i></p> <p>Sohonie was the first Indian woman to have bagged a PhD degree in the scientific discipline. She applied to the IISc for a research fellowship and met with rejection merely because she was a woman. She was the first female student of Prof. CV Raman, who was the then IISc director. Due to her excellent performance, Prof. Raman gave her permission to pursue further research. She discovered that every cell of a plant tissue contains the enzyme ‘cytochrome C’ which was involved in the oxidation of all plant cells.</p> <p>Here’s to strong women: May we know them. May we be them. May we raise them.” –Unknown</p>

Publications

Books

N.B. Venkateswarlu

1. A guided tour for Parents , a repository for teachers ScratchJr Book , Kindle Edition
<https://www.amazon.in/dp/B08GJ5DPT9>
2. **Scratch 3.0 primer for 8-10 years kids: a bonanza for kids and teachers, Kindle Edition**
<https://www.amazon.in/dp/B08KN4Q8HZ>
3. ScratchJr पुस्तक हिंदी में 5-7 उम्र बच्चों के लिए: बच्चों के लिए मेरा उपहार, माता-पिता के लिए एक निर्देशित यात्रा, शिक्षकों के लिए एक भंडार (Hindi Edition), Kindle Edition
<https://www.amazon.com/dp/B08GZBMJM7>

Papers Journal name & publication

1. **Ch S L N Sridhar, K S Siva Maha Laxmi, D M Potukuchi and Ch Sanyasa Lakshmi**, “Dielectric properties of Superpara magnetic Titanium doped Nanophased Mn –Zn ferrites for High Frequency Applications” in **Materials Research Express**, January 2020
2. **A.Kameswara Rao** ,”Multiple positive solutions for a system of fractional higher order infinite point boundary value problems” in **TWMS J. Applied and Engineering Mathematics**, January 2020.
3. **V.S. Jahnvi, S.K. Tripathy, A.V.N.R Rao**, “Study of structural, optical, dielectric and magnetic properties of Copper doped SnO₂ nanoparticles” in **Journal of Electronic materials**, **March 2020**.
4. **E.Laxmi Lydia , G.Sandhya , H.B.Gogineni , G.P.Latha , N. Sharmili** ,”Applicational achievement of k-means algorithm among apache spark and map reduce “,a journal on **Test Engineering and Management**, **Vol 82, Issue-1** ,Jan- Feb 2020.
5. **Pasam Prudhvi Kiran, E.Laxmi Lydia, N.Sharmili, Ravuri Daniel, Dr.A.Krishna Mohan**, “Efficient and Short-Range Forecasting Model for COVID-19 Time Series Parameters - Daily Confirmed Cases, Deaths, Recoveries”, **European Journal of Molecular & Clinical Medicine Journals**, **Volume: 63 Issue: 6**.
6. **K.Purushotam Naidu, Dr.P.Krishna Subba Rao, Dr.MHM Krishna Prasad**,”IoT Based Atmosphere Monitoring System using Hadoop Map Reduce Paradigm”, in **International Journal of Engineering and Advanced Technology (IJEAT)** ,**Volume-9 Issue-3** ,Feb, 2020.ISSN 2249-8958
7. **Guntu Nooka Raju, Srinivasa Rao K, Bethapudi Ratnakanth**, “Multiuser Detection and Channel Estimation for CDMA System under Flat Fading Channels”, Feb,2020. **International Journal of Innovative Technology and Exploring Engineering (IJITEE)** , Volume-9, Issue-4, February 2020, pp.2278-3075.
8. **Dr.P.M.K.Prasad, Dr.Y.Raghavender Rao, Dr.Karri Chiranjeevi**, “Contrast Enhancement of Satellite Images Based on Lifting Haar Wavelet Transform And Singular Value Decomposition” March, 2020. **International Journal of Emerging Trends in Engineering Research**, **Volume-8, Issue-3, March 2020**, pp.830-837.
9. **B.P.V. Dileep, Pranab K. Dutta, P.M.K. Prasad, M. Santhosh** “Sparse recovery based compressive sensing algorithms for diffuse optical tomography”, Mar,2020. **Optics and Laser Technology-Elsevier**, **Volume-128, Issue-NA, pp.106234, Mar 2020**.
10. **V.Lakshmana Rao, Dr.K.V.Ramana, Dr.P.Krishna Subba Rao**, “EEG Signal Preprocessing using DWT and Reconstruction by Phase space Reconstruction”, an **International Journal of Scientific Technology Research**, **March 2020, Volume 9 Issue 3.ISSN: 2277-8616**
11. **K.Suneetha, Balaga Susmitha, Dasari Poornima**, “Comparative Study on Fake News Accuracy Prediction Using Naive Bayes, SVM and ANN” in **International Journal of Engineering Research and Technology** , **March,2020 Volume15 Issue4. ISSN: 2319-1058**
12. **V.Gowtami Annapurna, D.Lakshmi Pujitha, D.Mounika** “ Gender Identification from facial feature” in **International Journal of Innovations in Engineering and Technology(IJIET)**, **March 2020 Volume15 Issue4**.
13. **Ammavajjula Sai Tejaswi, Animilla Swapna Deepika, Yaragani Sowmya**, “Chronic Kidney Disease Prediction System” in **International Journal of Scientific Research in Computer Science Engineering and Information Technology**, **March 2020 Volume 6 Issue 2**.

14. **P. Aishwarya, M. Bhanu Sridhar, L. Kavitha**, “Detection and Prediction of Frequent Diseases in India through Association Technique using Apriori Algorithm and Random Forest Regression”, in **International Journal of Innovations in Engineering and Technology (IJIET)**, **March 2020 Volume9 Issue3**.
15. **V.Gowtami Annapurna**, D.Lakshmi Pujitha, D.Mounika, published a paper entitled “GENDER IDENTIFICATION FROM FACIAL FEATURES” in IJIET ISSN: 2319-1058 (March 2020)
16. Renuka Devi B, **N. Sharmili**, published a paper entitled “A classification model using improved hybrid genetic particle swarm optimization algorithm based on separability-correlation measure” in “Test Engineering & Management magazine”, Vol.82, , pp: 1215 – 1223, ISSN: 0193 – 4120 (Jan- Feb 2020)
17. **Ms. K Rohini**, “Textual Dissection of Live Twitter Reviews on Corona Vaccines using Various Machine Learning Algorithms”.
18. **Godavarthi Deepthi,A.M.Sowjanya**, “Attention based Deep Learning Techniques for Question Classification in Question Answering Systems”.
19. **E.Laxmi Lydia, N.Sharmili** ,”Robust Digital Image Watermarking Approach for Secure Medical Data Transmission in Smart cities”
20. **T. K. Mishra**, “Mining of EEG Signals for Interpretation of Human Brain Related Ailments: A Survey”

Workshops/Seminars/Presentations/FDPs

- A Webinar on "**Full Stack Web Development using M-E-A-N TECHNOLOGIES**" by Mr. R.D.D. V Siva Ram, Assistant Professor, Dept. of CSE, JNTUK-V conducted by CSI.
- A Webinar on “**Career Opportunities after B.Tech (CSE)**” by ACE Academy, Visakhapatnam.”
- An Industry Expert on “**Art of Machine Learning**” by **Ms. Ekta Shah, Senior Machine Learning Engineer, Quant phi, Mumbai**”, for 300 students of CSE & IT.
- A webinar on “**Career Options in the Digital World and Employability**” by Mr. Sairam Bollapragada, Director, Global Delivery Center Head, Micro Focus, Bengaluru, participants of CSI Members took part.
- A workshop on “**Introduction to Optimization Techniques**” by Mr. Madhu Kiran, Assistant Professor at GVPCEW on 26th February,2020.
- A workshop on “**Solar Mppt Techniques**” was conducted by Dr T V Dixit, Principal, Government Polytechnique College, Berla, Bemetara Dist., Chhattigarh, Dr P Devendra and Mr. A. Hema Chander attended on 11th-12th March,2020.

Conference Proceedings

- Dr. PVS Lakshmi Jagadamba and Dr L. Greeshma. presented a paper titled " **Reinforcement Learning and Adversarial Autoencoder 2021**" at a “**Mini Symposium** as part of the International Conference RAMSA Organizing by GVP College of Engineering (Autonomous)

Student Events

- **C.Sitara (18JG1A0422) & N.Sindhu (18JG1A0466)** of ECE participated in workshop/ seminar Lora IoT deployment for Smart Cities on 31 Jan 2020, conducted by GMRIT
- **D.Yamini (20JG5A0404)** participated in State level chess on 5th February 2020, conducted by Govt. Polytechnic College
- **K.M.Lakshmi Prasanna (19JG1A0449)** participated in Soft skills and personality development workshop on 28th February 2020, conducted by GVPCEW.
- **D.Prasanna (18JG1A0428)** participated in Biped walking robot on 21st February 2020, conducted by MVGR.
- **M.Jyothirmayi (19JG1A0461)** participated in Soft skills and personality development workshop on 28th February 2020, conducted by GVPCEW.
- **S.Yamini (17JG1A0496)** participated in Python programming on 9th March 2020, conducted by SANBOUNDARY.

NPTEL and other certifications

- **Ms. BVS Renuka Devi** did a course on "Foundations of Data Science "on 6th February 2020 in PadhAI (One Fourth Labs).
- **Dr. K Srinivas Rao** did the NPTEL course on "Air interface through 5G" on 24th February 2020 to 17th April 2020 offered by IIT Kharaghpur.



Editorial Team: Dr.Usha Ramani.V, Asst. Professor, Dr. Ch. Alekhya, Asst. Professor, 19JG1AO541- G. ANANDITA DAKSHAYANI, 19JG1AO562- K. SAI SINDHURA, 19JG1AO5B4- TVL PRATYUSHA, 19JG1AO575- M HARSHITA