



# 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:1**

**APRIL 2021**

Writing code is not production, it's not always craftsmanship though it can be its design.

**Joel Spolsky**

### ***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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As a common language to the planet, mathematics is an essential part of humankind's cultural heritage. It is present in arts, music, and games, for human enjoyment and well-being. Further it is central to the efficient organization of societies for the benefit of all citizens. It optimizes transportation and communication networks and enables smart planning and management of health, economic, and social systems. Science and mathematics have a crucial role in steering decisions to promote peace and social justice. As the world faces the COVID-19 pandemic, mathematics provided its models and tools to help us understand, monitor, and control the spread of the virus. It is also used to create weather forecasts and prepare for natural disasters. It warns us of climate change and helps us to anticipate and mitigate its consequences. One such pioneer is *Ada Lovelace (1815-1852)*, the first computer programmer.

Ada Lovelace is a truly remarkable woman, unquestionably one of the most important women in science history. Born in 1815, she is the daughter to the Romantic Poet, Lord Byron and Lady Byron.

Lady Byron was obsessed with the idea that if she didn't educate Ada properly, Ada's mind might, as Lady Byron perceived it, could be ruined like her father's had with excessive imaginative self-indulgence. She set out to use mathematics as the method of taming Ada's imagination and she was successful.

When Ada was only 17 years old, and on the evening of 5 June 1833, she met a man who would become arguably her most important friend. His name was Charles Babbage. He was 24 years older than her, and she very quickly became fascinated, after talking to him, with his plans for building a calculating machine called a 'Difference Engine'. The purpose of this, although Babbage never managed to complete it, was to calculate mathematical tables automatically without error.

Babbage eventually abandoned the Difference Engine in favor of the Analytical Engine: the world's first digital computer, with a store, a processor, a memory, a sub-routing function and all the other essential features of a modern digital computer.

It is Lovelace's work on the Analytical Engine that has led to her being known as the first computer programmer, though Babbage never saw her as more than an 'interprestress', as he called her, of his work.

## Publications

### Papers

- **Bebarta D K's paer** "An Intelligent Hybrid System for Forecasting Stock and Forex Trading Signals using Optimized Recurrent FLANN and Case-based Reasoning" is due for publication in International Journal of Computational Intelligence Systems, Science Citation Index Expanded (IF: 1.838), Scopus (CiteScore: 3.59)
- **E.Laxmi Lydia, N.Sharmili et al.**, published a paper titled "Robust Digital Image Watermarking Approach for Secure Medical Data Transmission in Smart cities".
- **Pasam Prudhvi Kiran, E.Laxmi Lydia, N.Sharmili, Ravuri Daniel, Dr.A.Krishna Mohan,** "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, (2020), pp. 2164-2174, 2020, ISSN:2515-8260. [https://ejmcm.com/article\\_5781.html](https://ejmcm.com/article_5781.html)
- **Pasam Prudhvi Kiran, E.Laxmi Lydia, N.Sharmili, Ravuri Daniel, Dr.A.Krishna Mohan,** "Case Based Reasoning for Tuberculosis Diagnosis", *European Journal of Molecular & Clinical Medicine*, Vol. 7, Issue 11,(2020),pp.2154-2163,2020,ISSN:2515-8260. [https://ejmcm.com/pdf\\_5785\\_c97eb16c6455f31a9e6fb2e63a3e9a4b.html](https://ejmcm.com/pdf_5785_c97eb16c6455f31a9e6fb2e63a3e9a4b.html)
- **Pasam Prudhvi Kiran, Ravuri Daniel, N. Sharmili, E.Laxmi Lydia, Dr. A. Krishna Mohan,** "COVID-19 Lockdown Devastated Livelihood - Safe Back to Normality with Smart Jacket Prototype", *European Journal of Molecular & Clinical Medicine*, Vol. 7, Issue 11, (2020), pp. 2130-2142, 2020, ISSN:2515-8260. [https://ejmcm.com/pdf\\_5784\\_d3d5e3e5804940d52eafd5338d648ceb.html](https://ejmcm.com/pdf_5784_d3d5e3e5804940d52eafd5338d648ceb.html)
- **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*, Vol. 7, Issue 11, (2020), pp. 2143-2153, 2020, ISSN:2515-8260. [https://ejmcm.com/pdf\\_5783\\_22a3f9b9f458c2ce609cf46f106c07c3.html](https://ejmcm.com/pdf_5783_22a3f9b9f458c2ce609cf46f106c07c3.html)
- **D.V.A.N.Ravi Kumar** published a paper titled" Hybrid Unscented Kalman Filter with Rare features for Underwater Target tracking using Passive Sonar Measurements" **Optik**, Vol.226 , No.1,pp.1-13 , Jan. 2021.[https://mjl.clarivate.com:/search-results?issn=00304026&hide\\_exact\\_match\\_fl=true&utm\\_source=mjl&utm\\_medium=share-by-link&utm\\_campaign=search-](https://mjl.clarivate.com:/search-results?issn=00304026&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-)
- **D.V.A.N.Ravi Kumar** published a paper titled "Conditioned Measurement Fused Estimate Unscented Kalman Filter for Underwater Target Tracking using Acoustic signals captured by Towed Array" in **Applied Acoustics**, vol.174,pp.107742(1-14),,March 2021.Publisher: Elsevier, Indexing: SCI,Scopus, Google Scholar <https://www.scopus.com/sourceid/12946>

### Workshops/Seminars/Presentations/FDPs

- **Dr. M. B. Sridhar** attended a seminar " Building Capabilities in Academia for Industry Engagement" organized by IIT Madras from 29-01-2021 to 30-01-2021
- **Ms. K Rohini** attended AICTE Training and Learning (ATAL) Academy Online FDP on " Machine Learning and Pattern Recognition" organized by MET's Institute of Engineering, **Nashik**, Maharashtra from 18-01-2021 to 22-01-2021.
- **Ms. K. Suneetha** attended AICTE Training And Learning (ATAL) Academy Online FDP on " Internet of Things" organized by Siksha 'O' Anusandhan, Deemed to be university, Bhubaneswar from 21-01-2021 to 25-01-2021.
- **Mr. Udaya Kumar Addanki** attended AICTE Training And Learning (ATAL) Academy Online FDP on "Wearable Devices" organized by Saintgits College of Engineering, Kottayam, Kerala from 11-01-2021 to 15-01-2021.
- **Mr. Udaya Kumar Addanki** took part in AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" organized by St. Joseph's College of Engineering from 11-01-2021 to 15-01-2021.

- **Dr. M. B. Sridhar** attended Webinar on ‘Patent Law for Engineers’ by KL Intellectual Property Facilitation Center (KLIPFC, supported by Ministry of MSME, Govt. of India ),CIIE organized by KLU on 30-01-2021.
- **Mrs. P. Sridevi** attended one-day webinar on “**Shockley Memorial Lecture: Multi-Disciplinary Research Opportunities in Nano Electronics**” by IEEE Vizag Bay section on February 13, 2021.
- **Mr. BLVV KUMAR** attended a **Faculty Enablement Program**, conducted by Infosys from February 22, 2021 to February 24, 2021
- **Mr. BLVV KUMAR** participated in a webinar on **Microsoft AI Classroom** on February 25, 2021.
- **Ms. N Roopavathi** attended a one day webinar on “Calculation of Academic Performance Indicator for Various Academic Positions” by Department of ECE, Santhiram Engineering College, Nandyal.
- **Mr. BLVV KUMAR** attended a webinar on **Advanced Technology Program on Big Data** by **Wipro Technologies Pvt Ltd** from March 2, 2021 to March 8, 2021.
- **Mr. BLVV KUMAR** attended a webinar on “**Women Empowerment Summit 2021**” organized by DXC Technology in association with ICT, on March 8, 2021.
- **Mr. G Tirupati** attended a webinar on “Microsoft Educate Program”, by ICT Academy on March 17, 2021.

### College Events

- Congratulations to team, PRODIGIES Sindhu Saripella and team who have received the cash prize of rupees One Lakh for ONE NATION ONE PENSION from the Government of India in the Prestigious **Smart India Hackathon (SIH)** ,a National Level Hackathon conducted by Government of India every year to identify and select best technical solutions for problem statements.
- Coordinator Dr. D K Bebart, HoD-IT, Co-Coordinator: Mr. M Santosh submitted **A MODORB** project to AICTE under Quality Improvement Scheme 2021-2022 with title “Artificial Intelligence & Machine Learning Laboratory”.
- Two students of IV-IT (J Bavya Sri Sai and P Susmitha) have applied for Financial Support offered by Andhra Pradesh Innovation Society under Entrepreneurship-in-residence grant, TIDE 2.0 for their project titled “A Hybrid Model to Mitigate Biotic Stress in Plants” Mr. M. Santhosh is their mentor.
- Alumini Interaction on Opportunities in Industry was organized on 9<sup>th</sup> January 2021. The alumnae, E Sri Vidya, Executive Engineer, Continental Automotive Components, Bangalore and A Sravani, System Engineer TCS, Hyderabad interacted with the students.
- **EEE** students had an Industrial Visit to 2MW Floating Solar Power Plant, Mudasarlova ,Visakhapatnam on 23<sup>rd</sup> January 2021 .Mr. U Mahesh Site in-charge, PES Engineering Pvt. Ltd. facilitated the visit.
- Solar Tree and Hardware Expo in GVPCEW premises on was inaugurated by Prof. P S Rao President, Gayatri Vidya Parishad, Visakhapatnam 26<sup>th</sup> January 2021.
- 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
- **International Women’s Day** was celebrated 8 March 2021. On the occasion, the college organized an interactive session on “Women and Hygiene” by Dr.N.Rajashree, MD, DNB, Professor in Obstetrics and Gynecology, Gayatri Vidya Parishad Institute of Healthcare and Medical Technology on March 8,2021 at 3 PM in the college auditorium. Dr. Rajashree spoke at length on the various aspects of women’s health- dietary, physical, mental and spiritual conditions that impact the overall well-being of a woman. She especially focused on the gynaec problems faced by young women. Drawing instances from a range of issues she dealt with in her practice, she cautioned the young women on the harmful effects of indulging in risky behavior.

## **Students News**

- 13 students of 2<sup>nd</sup> and 3<sup>rd</sup> IT registered for **CISCO Netcad Python Programming Essentials**
- 12 students of 2<sup>nd</sup> IT attended a webinar, “**Microsoft AI classroom**”.
- An FDP titled “**Artificial Intelligence in Smarter Cyber Security: The Next Generation Technology (AISCs – 2021)**” applied to AICTE Training and Learning (ATAL) Academy, India.
- 7 students of IT Dept have enrolled for DXC Women Empowerment program.

## **NPTEL Certification**

### **Faculty**

- Dr.PMK Prasad completed an NPTEL Online course on “**Modern Digital Communication Techniques**” from 18-01-2021 to 09-04-2021 organised by IIT, Kharagpur.
- Mr.S.Ramanjaneya Reddy completed NPTEL Online course on “**Statistical Signal Processing**” from 18-01-2021 to 09-04-2021.

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

**WHEN TEACHER ASKS ME A  
QUESTION DURING ONLINE  
CLASS**

**ME-**



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