



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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A person can achieve everything by being simple and humble.

Rig Veda

<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>Vedic literature is very useful to reflect on our cultural values, climatic influences and environmental aspects. In these testing times, it is important to be in tune with nature. An ancient Sansrit sloka says, “One step is equal to ten wells, one pond is equal to ten step wells, one son is equal to ten ponds and one tree is equal to ten sons” .</p> <p>As the COVID-19 pandemic continues to grip us into lockdown, one positive outcome from that is, in the absence of people’s activity, nature is returning to a healthier, more pristine state.</p> <p>There are several reports of dolphins in the canals of Venice, Italy, and pumas in the streets in Santiago, Chile. However, research shows that the true effect of suddenly removing people from so many environments has turned out to be much more complex.</p> <p>Wildlife definitely benefits from reduced air and noise pollution as industry, natural resource extraction, and manufacturing declined. There is less litter found on beaches and in parks, and beach closures in some areas left the shoreline to wildlife. Further, nature has benefitted from the sudden drop in air, land, and water travel. Despite these welcome restorations to the natural balance, there are also voices that look at the downsides to the lack of humans. Lockdowns disrupted conservation enforcement and research efforts. In many places illegal hunting and fishing increased as poor, desperate people looked for ways to compensate for lost income or food. The ecotourism activities that provide financial support for many conservation efforts dried up, and many restoration projects had to be cancelled or postponed.</p> <p>Some view the positive impacts to be temporary shifts and stress on the need to find ways to develop more resilient conservation systems. It will benefit not just nature, but humans as well. There is a growing realization that protecting nature offers our best defence against future pandemics, by reducing the contact and conflict between humans and animals that can lead to viruses jumping from one species to another.</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> 	
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Publications

Books

Prof. N.B.Venkateswarlu

1. *ScratchJr Book in Telugu*, Amazon - Kindle Edition, ASIN: B08GKJRZYN. (23rd August, 2020)
2. *ScratchJr पुस्तक हिंदी में 5-7 उम्र बच्चों के लिए*, Amazon - Kindle Edition, ASIN: B08GZBMJM7. (28th August, 2020)
3. *ScratchJr Book in English for 5-7 years old kids*, Amazon - Kindle Edition, ASIN: B08H1BW3FB. (29th August, 2020)
4. **Bebarta D K** "Computationally Efficient and Effective Machine Learning Model using Time Series Data in Different Prediction Problems" is due for publication in IGI-Global, USA.
5. **Bebarta D K** "Robust Algorithms for Segmentation of Retinal Blood Vessels, Optic Disc, and Optic Cup of Retinal Images in Medical Imaging" submitted the abstract on 31/07/2020 for the approval to be published in the editors of the a book titled "Intelligent Data Analytics Biomedical and Health Informatics" to be published in Scrivener-Wiley Publishing (Scopus Indexed).

Papers

- **Dr.Tusar Kanti Mishra**, "Mining of EEG Signals for Interpretation of Human Brain Related Ailments: A Survey" *IEEE Xplorer*, Accepted for publication on 3rd July, 2020, **Electronic** ISBN:978-1-7281-5830-3 Print on Demand (PoD) ISBN:978-1-7281-5831-0.

Journals

- **T. K. Mishra**, "Real Time Human Action Recognition using Triggered Frame Extraction and a Typical CNN Heuristic", *Pattern Recognition Letters, Elsevier*, Vol.135,2020, Pages 329-336, ISSN:0167-8655. (July 2020)
- **T. K. Mishra**, "Generic Imaging Heuristic for Identification of Breast Carcinoma", *International Journal for Research in Science & Engineering Technology*, ISSN:2321-9653. (July 2020) .
- A.Sneha, V. Sai Lakshmi Teja, Tusar Kanti Mishra, **Kuppili N. Satya Chitra**, "QR Code based Indoor Navigation system for Attender Robot", *EAI Endorsed Transactions on Internet of Things*, ISSN:2414-1399. (July 13, 2020)
- K. Rohini, K. Himabindu, P. Ramya Sree, P. Amrutha Manasa, P. Ruby Indu Meena, "Assessment of Diverse Techniques for Cyber Bullying Detection on Twitter Using Sentiment Analysis", *International Journal of Scientific Research in Engineering and Management (IJSREM)*, Vol.:04, Issue:07, page nos e-ISSN :2582-3930, p-ISSN:2590-1892. (July 2020)

- **Sharmili Nukapeyi**, Meghana Viyyapu, E.Laxmi Lydia, M. Ilayaraja, R. Pandi Selvam ,Irina V. Pustokhina, Denis A. Pustokhin, “Blockchain Based Healthcare System DApp”, *International Journal of Advanced Science and Technology (IJAST)*, Vol. 29, No.2, page nos ISSN:2005-4238. (July, 2020)
- **S. Sumahasan, Uday Kumar Addanki**, “Object Detection using Deep Learning Algorithm CNN”, *International Journal for Research in Applied Science and Engineering Technology (IJRASET)*, Volume 8, Issue VII, ISSN: 2321-9653. (July 2020)
- **Dr.P.V.S. Lakshmi Jagadamba**, “Highly Dense MANET Architecture Using an Energy-Efficient Cluster-Based Routing Protocol”, *International Journal of Advanced Science and Technology*, Vol. 29 No. 8, ISSN: 2005-4238. (July 2020)

Workshops/Seminars/Presentations/FDPs

- **Ms. P. Hema Latha, Mr. A. Srinivasa Rao** attended an FDP on” Solar Energy Applications” conducted by Hindusthan College of Engineering and Techonlogy, Coimbatore for 4 days in July 2020.
- **Ms. P. Hema Latha, Mr. A. Srinivasa Rao** attended a one week FDP on “Recent Advances in Renewable Energy & Energy Efficiency Technologies” conducted by Mahatma Gandhi Institute of Tech., HYD in July 2020.
- **Dr. A. Suseelatha, Dr. A. Kameswara Rao, Dr. T. Poornakantha** attended an FDP on “Statistical Trends and Practices in Science and Technology” by AITAM, Tekkali for 5 days in July 2020.
- **Dr. T. Poornakantha, Dr. A. Kameswar Rao, Dr. A. Suseelatha** attended an FDP on “Applications of Mathematics in Science & Engineering” by SRKR Engg. College(A) Bhimavaram for 5 days in July 2020.
- **Dr. T. Poornakantha, Ms. B. Bharathi** attended a 5 day FDP on “Mathematical Prototypes and their Applications in Engg. Sciences” by Vishnu Institute of Technology, Bhimavaram in July 2020.
- **Ms. P. Hema Latha** did an Online short-term course on “Industry 4.0 and Smart Manufacturing Opportunities and Challenges” offered by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar (NIT-Jalandar) in July 2020.
- **Dr. PVS Lakshmi Jagadamba** attended Webinar on DATA ANALYST: The Booming Technology in IT conducted by National Skill Development Corporation, EXCELR SOLUTIONS, USA on 5 July, 2020.
- **Dr. PVS Lakshmi Jagadamba, C. Srinivas** attended FDP on “RPA Design and Development v1.0 -Educator Readiness Program” by UI Path from 20-29 July, 2020.
- **Dr. PVS Lakshmi Jagadamba, Dr. N. Sharmili, Dr. A. Suseelatha, Ms. B. Bharathi, Dr. T. Poornakantha** attended One Week National Online FDP on “Mathematical Elements in Engineering and Applied Sciences” Organized by Department of Basic Sciences & Humanities, (MATHEMATICS), GVPCEW, Visakhapatnam from 21-25 July, 2020.

- **Dr. M. Bhanu Sridhar, Ms. K. Suneetha** attended Webinar Series on Data Science Lecture on “Basics of Deep Learning”, Expert Session by Dr.G.SITARAMA BRAHMAM, TCS, Hyderabad organized by Department of CSE, GVPCEW on 4 July, 2020.
- **Dr. M. Bhanu Sridhar, Dr. N. Sharmili** attended a One Week Online STTP on “Privacy and Security in IoT” organized by Anil Neerukonda Institute of Technology & Sciences from 27 July to 1 August, 2020
- **Dr. M. Bhanu Sridhar** attended National Webinar “Intellectual Property & Innovation Management & Academia Industry Collaboration” conducted by Andhra Pradesh State Council of Higher Education on 27 August, 2020.
- **Dr. N. Sharmilli, Mrs. K.Suneetha, Mr. S. Sumahasan, Mr. K. P. Naidu** attended STTP on “Machine Learning and its Applications” conducted by TCS-GVPCE-A from 3-7 August, 2020.
- **Ms. K.Suneetha, Ms. K Rohini** participated in a Quiz on “Java Fundamentals” conducted by Chaitanya, Deemed to be university, Telangana on 3 August 2020.
- **Ms. K.Suneetha** attended Webinar on “Unsupervised Learning with KMeans Clustering” conducted by CMR Engineering College in association with Pantech E-learning on 4 August, 2020.
- **Ms. K.Suneetha** attended Webinar on “Getting started with NLP” conducted by MVSR Engineering College in association with Pantech E-learning on 9 August, 2020.
- **Ms. K.Suneetha, Mr. A Udaya Kumar, Ms. K. Rohini** attended one-week National level online workshop on “Azure serverless Computing” organized by MGIT from 10-14 August 2020.
- **Mr. S. Sumahasan** attended a National Webinar series on “Data Science and AI” conducted by SCOCS, Kerala from 6-8 August, 2020.
- **Mr. S. Sumahasan** attended an FDP on “Cybersecurity Essentials” conducted by ICT Academy, Chennai from 17-22 August, 2022.
- **Mr. S. Sumahasan** attended an Two-day Webinar on “IOT Security” WISE conducted by CDAC Hyderabad on 27th & 28th August, 2020.
- **Mr. A Udaya Kumar, Mr. K. P. Naidu** attended a One Week National Workshop on “Best Practices of ICT Tools in Teaching and Learning” organized by Jagadguru Rambhadracharya Divyang University,UP from 3-8 August, 2020.
- **Mr. A Udaya Kumar** attended a Webinar on “Fundamentals of Acoustics & Meta Materials” conducted by RISE Krishna Sai Prakasham Group of Institutions on 7th & 8th August, 2020.
- **Mr. A Udaya Kumar** attended a One-day National Level Webinar on “Artificial Neural Networks And its Applications” conducted by JSS College of Arts, Commerce and Science, Ooty Road, Mysuru on 8 August, 2020.

- **Mr. A Udaya Kumar** attended a Webinar on “AI Exploring the Next Generation Convergence” conducted by Department of Electronics & Communication Engineering, MGIT, Hyderabad on 8 August, 2020.
- **Mr. A Udaya Kumar** attended a Webinar on “Applied Industrial Machine Learning” conducted by Department of Electronics & Communication Engineering, MGIT, Hyderabad on 9 August, 2020.
- **Mr. A Udaya Kumar** attended a 5 Days Webinar Series on “Research & Innovation” conducted by Department of Information Science and Engineering, VVCE, Mysuru from 17-21 August, 2020.
- **Mr. A Udaya Kumar** attended a One-day National Level Webinar on “Research Methodology and Tools of Data Analysis” conducted by Jagadguru Rambhadracharya Divyang University, UP from 16-23 August, 2020.
- **Mr. A Udaya Kumar** attended a One-Week International Faculty Development Programme on “Emerging Trends & Technologies in Data Science” conducted by GMR Institute of Technology, Rajam from 24-29 August, 2020.
- **Mr. A Udaya Kumar** attended a Webinar on “Cyber Threats and Data Breaches” conducted by SRKR Engineering College, Bhimavaram on 29 August, 2020.
- **Ms. K Rohini** attended a Webinar on “The Augmented Reality and Its Applications” presented by Mr. Chetankumar G Shetty, Senior Lead Innovation, PL Lab in Bajaj Finance, organized by McGraw Hill Webcasts on 5 August, 2020.
- **Ms. K Rohini** attended a Two-Day Webinar Series on “ICT Enhanced Teaching & Learning 2.0” Organized by the Department of Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad on 8th & 9th August, 2020.
- **Ms. K Rohini** participated in a Webinar on “Introduction to Data Analytics” organized by the Department of Information Technology, Mahatma Gandhi Institute of Technology on 8 August, 2020.
- **Ms. K Rohini** attended One-week the Short Term Live Online Training on “Deep Learning Using Python” conducted by Aptronix Technologies in collaboration with Mahatma Gandhi Institute of Technology – Hyderabad from 3-7 August, 2020.
- **Mr. K. P.Naidu** attended One Day National Webinar on “ANN and its Applications” conducted by JSS College of Arts, Commerce and Science, Mysuru on 8 August, 2020.
- **Mr. K. P.Naidu** attended One Day National Webinar on “National Education Policy-2020” conducted by Shivaji University, Kolhapur, Maharashtra on 23 August, 2020.
- **Mr. K. P.Naidu** attended Webinar on “Facial Emotion Recognition” conducted by Sri Ramakrishna Institute of Technology, Chennai on 22 August, 2020.
- **Mr. K. P.Naidu** attended One Week International FDP on “Emerging Trends & Technologies in Data Science” conducted by GMRIT, Andhra Pradesh on 8 August, 2020.

- **Dr. M. Bhanu Sridhar, Mr. G. Sankara Rao, Dr. PVS Lakshmi Jagadamba** attended Webinar on ‘How to Write a Research Paper?’ conducted by Visakha Institute of Engineering & Technology, Narava, Visakhapatnam on 8 August, 2020.
- **Dr. M. Bhanu Sridhar, Ms.K. Rohini** attended “Current trends in Data Analytics through Hands-on Experience” organized by Department of Computer Science and Engineering and Department of Biotechnology from 31-08-2020 to 04-09-2020
- **Ms.K Rohini, Dr. M. Bhanu Sridhar** attended “Online Continuing Education Program on Current trends in Data Analytics through Hands- on Experience” conducted by Department of Computer Science and Engineering and Department of Biotechnology, National Institute of Technology, Warangal from 31 August-4 September 2020.
- **Dr. M. Bhanu Sridhar** attended “LMS, Virtual Teaching and OBE Software for Engineering Colleges” conducted by vmedulife Software Services on 3 September, 2020.
- **Ms.V.Gowtami,** attended “Electronic Resources and their use in Covid 19 Environment” conducted by Department of Library and Information Science, Government Degree College, Ravulapalem from 7-21 September, 2020.
- **Ms.V.Gowtami, K.P. Naidu, Dr. N. Sharmili** attended an FDP on “Data Science & Its Application in STEM” conducted by AU & JNTUK-UCE VZM from 7-21 September, 2020.
- **Mr.K.P. Naidu** attended a One Week FDP on “AI Using Python” conducted by Dept of CSE, GMR Institute of Technology, Rajam, AP from 14-19 September 2020.
- **Dr. N. Sharmili,** attended a One Week STTP on “Machine Learning and IOT Technologies for Environmental Issues” conducted by Dept. of CSE, PVP Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh from 21-26 September, 2020.
- **Ms.V.Gowtami, Dr. M. Bhanu Sridhar, Mr. S. Sumahasan** attended “Industrial IoT & AI/ML Job Opportunities” conducted by Dept. of ECE, GVPCEW in collaboration with RUGGED BOARD and PHYTEC EMBEDDED Pvt. Ltd on 24 September, 2020.
- **Ms.K Rohini** attended ATAL Academy Online FDP on “Data Science” conducted by Department of Computer Science & Engineering at B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, Tamil Nadu from 21-25 September, 2020.
- **Dr. D K Bebarta** attended an FDP on “Information Security and Privacy in Cyberspace” by GMRIT-Rajam.
- **Mr.C.Srinivas, Ms. P. Hema Latha** attended a workshop on “Innovation, Creativity and Entrepreneurship – ICE2020” organized by SITAM-GVP.
- **Mr. Ch. V. V. D. Prasad** attended a workshop on “Workshop on DART Programming” organized by GMRIT. Rajam
- **Mr.M. Deepthi** attended an FDP “Privacy & Security in IOT” by ANITS.

- **Dr. Rani Prava Nanda**, attended a 3day webinar on “Advanced Teaching Tools, Techniques and Methodologies for Outcome-Based Engineering Education”, Directorate of Faculty Development Centre, JNTUK Kakinada for in September 2020.

Faculty Courses

- **Dr. PVS Lakshmi Jagadamba** did a course “Learn to Program: The Fundamentals” from 27-08-2020 to 0-10-2020 by Coursera.
- **Mr. KSA Naidu** did a course on PANDAS AND NUMPY FUNDAMENTALS on 18-Sep-2020 to 25-Sep-2020 organized by DataQuaest.io
- **Mr. KSA Naidu** completed a course on STORYTELLING THROUGH DATA VISUALIZATION on 18-Sep-2020 to 25-Sep-2020 organized by DataQuaest.io
- **Dr. K Srinivasa Rao** did a course on "Introduction to Machine Learning" on 01-Sep-2020 to 15-Oct-2020 organized by Coursera.
- **Dr. PMK Prasad** did a course on "Introduction to Satellite Communications" on 06-Jul-2020 to 16-Aug-2020 organized by Coursera, Institut Mines-Telecom.
- **Dr. K Srinivasa Rao** did a course on Introduction to TensorFlow for "Artificial Intelligence, Machine Learning, and Deep Learning." on 01-Jul-2020 to 31-Jul-2020 organized by Coursera.
- **R.Jalaja** did a course on Certificate Course on “Digital Teaching Techniques” on 29-Jun-2020 to 04-Jul-2020 organized by ICT Academy.
- **Ms. BVS Renuka Devi** did a course on Online Course on "Improving Deep Neural Networks_ Hyperparameter tuning, Regularization and Optimization" on 15-Jun-2020 to 06-Jul-2020 organized by Coursera.
- **Mr. R Sunil Kumar** did a course on Python basics on 15-Jun-2020 to 06-Jul-2020 organized by Coursera.

Faculty News

- **Dr. N. Sharmili** was awarded “Best Faculty Award" in the 10th International Scientist Awards on Engineering, Science and Medicine which is held on 26& 27-Sep-2020 in Hyderabad, India.
- **Dr. N. Sharmili** filed a patent: The details are as follows
 - Patent Applied Docket Number: 23653
 - Application Number: 202041010225,
 - Invention Details: “Reminder Data Segregation System for Smart Wearable Device”
 - Date of filing: March 9th, 2020.

Department activities

- **The Department of CSE** club *COSCENGRS* organized an event “Major League

Hacking” on 18th October 2020. I am happy to inform you that this event is hosted by two of our students Harika Kasimahanthi (18HG1A0546) and Jaya Preethi Chamarthi (18JG1A0537) who got trained in MLH organized by Google and received appreciation certifications.

- **The Department of IT** organized an Online Puzzle Solving Contest by the Student Chapter of CSI, GVPCEW with the help of Coordinators Mr. M Santosh and Mrs. P Sridevi.
- **Mr BLVV Kumar** conducted classes for PBL training for ECE/EEE students who registered for Wipro Certification on 2-7-20, 15-7-20, 17-7-20, 20-7-20 through ZOOM and Google Meet.
- **The Dept. of ECE** organized a 5-Day Hands-on Workshop via Online Mode on "Fight Covid-19 Using IoT" from 6th July 2020 to 10th July 2020, from 12.00 pm to 02.00 pm.
- Dept. of **ECE** conducted a webinar on "Industrial Automation" in association with CENTRE OF EXCELLENCE IN MARITIME & SHIPBUILDING (CEMS), Visakhapatnam on 15th July 2020 from 11.00 am to 01.00 pm.
- Dept. of **ECE** organized a Technical Webinar on "Industrial IoT & AI/ML Job Opportunities" in association with PHYTEC Embedded Pvt. Ltd. on 24th September 2020, from 10:00 AM to 11:00 AM.



Editorial Team: Dr.Usha Ramani.V, Asst. Professor, Dr. Ch. Alekhya, Asst. Professor, 19JG1A0541- G. ANANDITA DAKSHAYANI, 19JG1A0562- K. SAI SINDHURA, 19JG1A05B4- TVL PRATYUSHA, 19JG1A0575- M HARSHITA