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Convenors

Dr. C.V.K.Bhanu, Dean, IQAC

Dr. J. Vasundhara Devi, Associate Director, GVP-LIAS

Co-Convenors

Dr. G. Madhuri, Associate Professor, Dept. of Civil Engg.

Dr. Ch. Appala Naidu, Assistant Professor, Dept. of Mathematics

Mrs. P.Sravya, Assistant Professor, Dept. of CSE.

Members

Dr. M. Amrita, Associate Professor, Dept. of Mechanical Engg.

Dr. P. P. S. Keerthi, Assistant Professor, Dept. of Mechanical Engg.

Dr. G. Satya Keerthi, Associate Professor, Dept. of CSE.

Mr. B. Ajay Ram, Assistant Professor, Dept. of CSE.

Mr. K.V.S.S. Prakash, Assistant Professor, Dept. of IT

Mr.K.Satyamurthy, Assistant Professor, Dept. of Mathematics

About the Program

The "Modern Tools for Teaching, Learning and Research" program aims to equip educators and researchers with innovative technologies that enhance teaching methodologies and data-driven decision-making. This workshop explores cutting-edge tools such as Augmented Reality (AR) and Virtual Reality (VR) in education, dynamic learning with Desmos, and Python for mastering calculus. Additionally, it delves into the applications of Artificial Intelligence (AI) in statistics, deep learning, and machine learning regressions, highlighting their role in modern pedagogy. By integrating these advanced techniques, participants will gain practical insights into leveraging AI and computational tools for more effective and engaging teaching, learning, and research experience.

Who can attend: Faculty.

Registration Fee: Rs 3000/-.

On successful completion of the program with a minimum of 80% attendance, a certificate will be issued, and the registration fee will be refunded to participants.

Working lunch will be provided.

PAYMENT DETAILS

Payment link [CLICK HERE](#)

FOR DETAILS, CONTACT

- **Dr. G. Madhuri** (Dept of Civil Engg.)
Contact: +91 8464961529
- **Dr. Ch. Appala Naidu** (Dept. of Mathematics)
Contact: +91 9441447442
- **Mrs. P. Sravya** (Dept of CSE)
Contact: +91 9849815160



COLLEGE OF ENGINEERING
(AUTONOMOUS)

Gayatri Vidya Parishad College of Engineering
(Autonomous)

Approved by AICTE & Affiliated to Andhra University,
Visakhapatnam from 2022 -23
Accredited by NAAC at A++ Grade
for 7 years in the 3rd cycle

ONE WEEK FACULTY DEVELOPMENT PROGRAM
ON

Modern Tools for
Teaching, Learning and Research

10th - 15th March, 2025



Organized by
Internal Quality Assurance Cell

(IQAC)

in association with

Gayatri Vidya Parishad

Prof. V. Lakshminantham Institute for Advanced Studies

(GVP-LIAS)

GVP COLLEGE OF ENGINEERING (A)

The Gayatri Vidya Parishad College of Engineering has a 5000 strong contingent of students pursuing quality and skill oriented education. The college is established by 'Gayatri Vidya Parishad'(GVP), a non-profitable organization comprising of noted educationists and eminent philanthropists who have a missionary zeal to provide quality technical education. The college is one of the most-preferred self-financing engineering college in Andhra Pradesh and at present offers 10 B.Tech. Programs, 5 M.Tech. and one MCA Program approved by AICTE. The college has brought in many initiatives for the benefit of students with autonomous status granted by UGC in 2009 and extended up to 2025. The institute has been reaccredited third time by NAAC with 'A++' grade All the eligible seven B.Tech. programs a accredited by NBA at least twice. The institute received funds to the tune of Rs. 5 Crores under Technical Education Quality Improvement Program (TEQIP), S.C-1.2. The college received Rs. 12 Crores from funding organizations AICTE / DST / NBHM / ARB etc. towards 45 R&D projects.

Internal Quality Assurance Cell (IQAC)

Internal Quality Assurance Cell (IQAC), Gayatri Vidya Parishad College of Engineering, was established in 2009. Since its establishment, IQAC has been taking active role in promoting holistic academic excellence of the institute through various activities, a few of which are listed below:

- Dissemination of information on various quality parameters of higher education.
- Development and maintenance of database through MIS for the purpose of maintaining/ enhancing the institution quality
- Acting as a nodal agency of the institution for coordinating quality-related activities, including adoption and dissemination of best practices.
- Organization of inter and intra institutional workshops, seminars on quality related themes

GVP-LIAS

GVP-Prof. V. Lakshmikantham Institute for Advanced Studies (GVP-LIAS) since its inception in 2007 took active part in supporting and promoting the ideas of Prof. V. Lakshmikantham in teaching and research. LIAS has organized many national conferences and four international conferences, titled RAMSA (2009, 2013, 2017 and 2021). GVP-LIAS organized various events during the centenary year of Prof. V. Lakshmikantham (2023-2024) including its fifth international conference (LACANA). Some of its publications include two textbooks, scientific research monographs, felicitation volumes, and proceedings of the conferences as well as books published in native languages Telugu and Marathi.

LIST OF TOPICS

- Artificial Intelligence for Pedagogical Excellence
- Dynamic Learning: Teaching Series, Sequences with Desmos
- Mastering Calculus Through the Power of Python
- Regressions in Machine Learning
- Statistics using AI
- Use of AR/VR in Teaching-Learning Process.
- Using Statistics in Deep learning

RESOURCE PERSONS

Dr. Debi Prasad Dogra is an Associate Professor & Head of the Department in the Department of Computer Sc. & Engineering, IIT Bhubaneswar. His research areas are Artificial Intelligence and Applications, Computer Vision and Visual Surveillance, Intelligent Transportation Systems, Augmented Reality and Applications.

Prof. E. Srinivasa Reddy is a Professor in Department of Computer Sc. & Engineering at VIT-AP. His research areas are Machine Learning, Deep Learning, Image processing, Pattern recognition. He works as a Python Engineer, Machine Learning Specialist, Deep Learning Specialist, Artificial Intelligence Consultant and Data Analyst.

Prof. K. Srinivasa Rao is a retired Senior Professor of Statistics and former Principal of the Andhra University College of Science and Technology (AUCST). He is an established expert in statistics and data sciences and has published many research papers.

Dr. Panchatcharam Mariappan is an Associate Professor in the Department of Mathematics and Statistics at the Indian Institute of Technology Tirupati (IIT-Tirupati), India. He has also served as the Head of the Department between July 2021 to June 2024. He has been the DAAD Research Ambassador since September 2022.

Dr. Satya Prasad is a faculty member in the Department of BS&HSS (Mathematics and Computing) at NIT Mizoram. His research areas are Machine Learning (ML) and Physics-Informed Neural Networks (PINNs) surrogate models in meshless methods aim to create a fast and efficient approximation of numerical solutions provided by these methods.

Dr. Suresh Namboothiri is a Director & Chief Mentor at Espoir Technologies, Pune. He is an innovator, speaker, and mentor specializing in generative AI for interdisciplinary research, pedagogical excellence, design thinking, qualitative OBE, and business excellence.



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REGISTRATION FORM

1. Name:

2. Designation:

3. Institution/ Organization:

4. Address for Communication:

5. E-mail ID:

6. Telephone/Mobile No:

7. Payment details:

FOR REGISTRATION: [CLICK HERE](#)

Last Date for Registration : 5th March, 2025

Date:

Signature