

About Institute

The College was established in the year 1997 by Maharaj Alak Narayan Society for Arts and Sciences (MANSAS). MANSAS was established in 1958 by the erstwhile Raja Saheb of Vizianagaram, (Late) Dr. PVG Raju. The college has state of the art Labs which host equipment costing Rs. 15 Crore. The college is spread on a lush green 60 Acre campus and has more than 7 lakh sft. build up area. The college library has over 50,000 volumes adorning an enviable collection of books and e-learning material.

It offers Bachelors Degree in Civil, Chemical, Computer Science, Electronics and Communication, Electrical & Electronics, Information Technology and Mechanical Engineering. It also offers Post Graduate courses in Engineering and Management. The college is re-accredited by NAAC with 'A' Grade and recognized as a Business Incubator Centre by the Ministry of Micro, Small and Medium Enterprises (MSME), Govt. of India. The college is undertaking consultancy/Research projects from DST, AICTE, UGC and Govt. of AP. etc.

About ECE Department

Department of Electronics and Communication Engineering was started in the year 1997 with the objective of imparting quality education in the field of Electronics and Communication. Department is re-accredited by NBA. Department is recognized as research center by JNTU-K, Kakinada.

The Department is offering an undergraduate course in ECE with an intake of 180 and PG course in VLSI. The Department has 34 qualified and experienced faculty-members, 17 with Ph.D. and 12 pursuing Ph.D.

Department is located in a dedicated building with 46,000 sft build up area with 14 state of art and well-equipped laboratories with latest configuration and software. The Department has conducted 14 Workshops for faculty and 5 national level symposiums for students. It has organized many expert lectures with eminent personalities from different reputed organizations. A good infrastructure drawing the attention of industry partners. National Instruments, ThinkLabs, Phytex Embedded Systems and EasyARM are the active associating industry partners collaborating in the department's initiative to provide skills beyond curriculum leading to certifications.

About DST SERB

SERB, a statutory body of the Department of Science and Technology (DST) established in 2011, serves as a major national funding agency for planning, promoting, and funding internationally competitive research in emerging areas of Science and Engineering. The institution is instrumental in building a sustainable research ecosystem in the country through its diverse programme portfolio that includes research grant funding, fostering young researchers, recognising and rewarding research excellence, promoting scientific networks and partnerships, and enhancing gender, equity, and social inclusiveness. Through its programmes, policies, procedures, and practices, SERB strides ahead in its mission to advance scientific research in the country.

Patrons

Sri. P. Ashok Gajapathi Raju Chairman, MANSAS

President

Dr. K.V.L.Raju Principal & Correspondent, MANSAS

Advisory Board

Dr. Y.M.C. Sekhar, Vice-Principal (Academics)

Prof. P. S. Sitharama Raju, Dean (QA, SP and Finance)

Dr. R. Ramesh, Dean (R & D and Faculty Development)

Dr. M. Sunil Prakash, Dean (Training & Placement)

Dr. Ch. Purnachandra Rao, Dean (A & E)

Dr. T.V.N. Partha Sarathi, Dean (Examinations)

Prof. P. Ranga Raju, Dean (Admin)

Mr. S. Mohan Kumar, Dean (Students)

Convener

Dr. Shaik Mastan Vali Professor & HOD

Coordinator

Dr. M. Satyanarayana Professor of ECE

Co-coordinator

Dr. V. N. Lakshamna Kumar Asst. Prof, ECE



DST SERB Sponsored Workshop on "Design and Simulation of Miniature Antennas Using Machine Learning for IoT Applications (DSMAMIA-2023) (Offline Mode)

05th June – 10th June, 2023



Department of Science and Technology (DST)



**Organized by
Department of Electronics and
Communication Engineering**

**In Association with
IETE, Visakhapatnam Centre**

**Maharaj Vijayaram Gajapathi Raj
College of Engineering (Autonomous)
Vijayaramnagar Campus, Chintalavalasa,
Vizianagaram, AP - 535005
website: www.mvgrce.edu.in**



Objectives of the Workshop

The objectives of the workshop is to provide

- Overview of Machine Learning and IoT
- Conceptual background about antennas.
- Overview of Miniature Antennas
- Design concepts of IoT Antennas
- Smart antennas in IoT based systems

Major Course Contents

- Overview of Machine Learning & Internet of things
- Artificial Intelligence in Antenna Design
- Machine Learning Applications related to Antenna
- Design and Simulation of Miniature Antennas for IoT Applications
- EMC in Miniature Antennas
- EMI/EMC Aspects in IoT
- Design of Compact, Low Profile Filtering Antennas for Satellite & IoT Communication Applications
- Multifunctional MIMO Antenna for Efficient Spectrum Utilization
- Challenges and research Issues of Machine Learning Antenna
- Machine Learning Application to Antennas
- Metamaterial for Aerospace applications
- Hands on Antenna Simulation Session
- Antenna Fabrication and Measurements.

Resource Persons

Dr. B. Subba Rao

Scientist-G, Programme Director, SAMEER, Visakhapatnam.

Dr. Vamsi Krishna Velidi

Scientist/Engineer-SF, ISRO Bangalore.

Mr. K. Sambasiva Rao

Scientist-E, Research Centre Imarat, Hyderabad.

Mr. B. Venkata Ramana

Scientist-D, SAMEER, Visakhapatnam

Dr. B.T. Krishna

Professor, Dept. of ECE, JNTU Kakinada

Dr. Raghvendra Kumar Chaudhary

Assoc. Professor, Dept. of Electrical Engg., IIT Kanpur

Dr. K. V. Kadambari

Assoc. Prof. Dept. of CSE, NIT Warangal, Telangana.

Resource Persons cont.....

Dr. T. Shanmuganantham

HOD & Associate Professor, Pondicherry University.

Dr. Shrivishal Tripathi

Asst. Professor, Dept. of ECE, IIIT Naya Raipur

Dr. Sanjeev Kumar Mishra

Asst. Professor, Department of E&TC, IIIT Bhubaneswar

Dr. G Anjaneyulu

Professor, Department of ECE, MVGR College of Engineering (A)

Dr. M. Satyanarayana

Professor, Department of ECE, MVGR College of Engineering (A)

Dr. V. N. Lakshmana Kumar

Asst. Professor, Department of ECE, MVGR College of Engineering (A)

Organizing Committee

- | | |
|---------------------------------|------------------|
| 1. Dr. D. Rama Devi | Professor |
| 2. Dr. P. Ujjvala Kanthi Prabha | Professor |
| 3. Dr. P. Surya Prasad | Assoc. Professor |
| 4. Dr. T. A. N. S. N. Varma | Assoc. Professor |
| 5. Dr. V. Lavanya | Asst. Professor |
| 6. Dr. M. L. Prasanna Rani | Asst. Professor |
| 7. Dr. G. Vimala Kumari | Asst. Professor |
| 8. Mr. N. Shanmukha Rao | Asst. Professor |
| 9. Smt. U. N. Subhadhra Devi | Asst. Professor |
| 10. Mr. K. Rakesh | Asst. Professor |
| 11. Dr. B. Srinivas | Asst. Professor |
| 12. Dr. B. Lavanya | Asst. Professor |
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| 20. Mr. N. Gopichand | Asst. Professor |
| 21. Ms. Tripty Kumari | Asst. Professor |
| 22. Mr. P. Divakara Varma | Asst. Professor |
| 23. Mr. Sudhansu Sekhar Behera | Asst. Professor |
| 24. Mr. S. Kumar | Asst. Professor |
| 25. Dr. Akash Kumar Pradhan | Asst. Professor |

Important dates :

Last date of registration : 20th May, 2023

Announcement of selected candidates : 24th May, 2023

Schedule of the event : 05th June – 10th June, 2023

Eligibility :

- * Academicians in any discipline from the engineering institutions
- * Industry Personal
- * Research Scholars

Registration Fee : Nil

No. of participants : 50 Only on First Come First Registration basis.

Accommodation : Available for out station candidates on sharing basis in the college hostel for free.

Registration Link :

<https://forms.gle/3kaUv6UJ13s5Vrpk7>



Contact Details

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Professor, Department of ECE

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