


A Report on Inauguration of
"IEEE Reliability Society under MITS IEEE Student Branch"
Organised by Department of Computer Science & Engineering- Data Science
on 20.08.2024



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)
Madanapalle-517325, Annamayya Dist., Andhra Pradesh

Organized by the Department of CSE (Data Science)

**Inauguration of MITS IEEE Reliability Society
under MITS IEEE Student Branch**
Registered as per IEEE Bay laws : SBC64791L

Resource Person
Dr. D. Ravi Kumar
Assoc. Prof., EEE, VNRVJIET & Chair,
IEEE RSC, HS

Date: 20-Aug-2024 Time: 10:30am to 11:00 am Venue: Seminar Hall - B

Chief Patron Dr. M. Vijaya Bhaskara Choudary, Ph.D., Secretary & Correspondent	Patron Mrs. Keerthi Reddy, Executive Director	Program Chair Dr. C. Tevanti, Principal	Co-Chair Dr. K. Saranya, HOD & Asst Prof., Dept of CSE-DS	Convenor Dr. Ramesh C, MITS IEEE Student Branch, coordinator	Coordinator Mrs. Vidhyashree B, Asst Prof., Dept of CSE-DS
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Submitted by: Mrs. Vidhyashree B, Assistant Professor, Department of Computer Science & Engineering - Data Science.

Resource Person Details: Dr. D. Ravi Kumar, Associate Professor, Department of EEE, VNR VJIET.

Attendance: 130 participants (Internal)

Mode of Conduct: Oline

Report Received on 31.08.2024.

About the Resource person:

Dr. D. Ravi Kumar completed his B. Tech in EEE in 2006 and M. Tech in Electrical Power Systems from JNTU, Hyderabad in 2008 and Ph. D in Electrical Engineering from JNTU Anantapur in 2017. He has '16' Years of teaching experience at VNRVJIET. He has published '47' research papers in various International, National Journals and Conferences. He visited Singapore and presented a paper in IEEE International Conference ICBEST-2015 at CREATE, Singapore. He visited Eastern Washington University, USA. He received Tier-1 Award from IEEE Reliability Society, USA. '22' papers are Indexed by Scopus and '17' papers by Web of Science. He has Published '4' Patents in Patent Office Journals-51/2012, 42/2021, 37/2021, 33/2023.

He has executed UGC Minor Research Project on "Development of Optimization Techniques for Protective Devices and Distributed Generators allocation to optimize Reliability and to reduce losses in Electrical Power Distribution systems with a sanctioned amount of Rs. 4.95 Lakhs". He executed AICTE Margdarshan scheme with a sanctioned amount of Rs. 28.00 Lakhs. He is currently implementing a consultancy project worth 28.81 Lakhs in collaboration with HBL Power Systems Ltd, Hyderabad.



He has published '1' book on Design and Control of Prototype Thyristor Controlled Series Capacitor, Mahi Publications in Sept. 2021 and '8' book chapters in Springer Lecture Notes in Electrical Engineering, Singapore, Springer Proceedings on Artificial Intelligence, Smart Grid and Smart City Applications.

He got '3'-awards from CPRI, Bangalore and Springer Publications, Singapore, VIT Chennai for his research work. He is acting as a Member of the Editorial Board cum Reviewer of i-manager's Journal on Power Systems Engineering (JPS) since 27th April 2017. He was given an Appreciation letter by VNRVJIET for his efforts in achieving NAAC A++ Grade for the Institute. He has worked as JNTUH, AICTE Coordinator at VNRVJIET for 5 years from 2016 to 2021.

He is a Senior Member of IEEE, Life Member of ISTE and worked as Executive Committee Member of IEEE Power and Energy Society Chapter, Treasurer of IEEE Reliability Society Chapter, Hyderabad Section. His areas of interest are Power Systems, Micro Grids, Smart Grids, Reliability Engineering, Reliability Optimization, Distribution Systems, Network Reconfiguration, Deregulation, Design of Passive and Active Filters.

He is currently working as an Associate Professor in the Department of Electrical and Electronics Engineering and InCharge-PAAC section of VNR Vignan Jyothi Institute of Engineering and Technology, Hyderabad, India. He is the Chair of Reliability Society Chapter, IEEE Hyderabad Section.

The following topics were discussed in the session.

Lecture Details:

Title: IEEE Reliability Society; Duration: 15 minutes

The IEEE Reliability Society (RS) is a technical Society within the IEEE, which is the world's leading professional association for the advancement of technology. The RS is engaged in the engineering disciplines of hardware, software, and human factors. Its focus on the broad aspects of reliability allows the RS to be seen as the IEEE Specialty Engineering organization. The IEEE Reliability Society is concerned with attaining and sustaining these design attributes throughout the total life cycle. The Reliability Society has the management, resources, and administrative and technical structures to develop and to provide technical information via publications, training, conferences, and technical library (IEEE Xplore) data to its members and the Specialty Engineering community. The IEEE Reliability Society has 28 chapters and members in 60 countries worldwide.

Title: Student Centric Approach; Duration: 10 minutes

Description: Our students are at the core of everything we do. We prioritize their learning needs, aspirations, and career growth, providing personalized support and guidance.

Title: Equal Opportunities; Duration: 10 minutes

Description: We are committed to ensuring equal opportunities for all students, regardless of their geographical location. We strive to bridge the gap between students studying in cities and remote areas, empowering them with the same level of access to quality education and opportunities.

Title: Outcome Driven Partnerships; Duration: 20 minutes

Description: We believe in forging partnerships that are focused on tangible outcomes and mutual success. Our collaborations are geared towards achieving concrete results and positive impact.

Title: Social Impact; Duration: 15 minutes

Description: We are driven by a sense of responsibility to make a positive impact on society. Our efforts go beyond individual success stories, seeking to uplift communities and contribute to a better world.

The session was concluded at 11.00AM, followed by a vote of thanks, given by the Coordinator of the Seminar Mrs. Vidhyashree B Assistant Professor, Department of Computer Science & Engineering (Data Science), MITS, Madanapalle.