



## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Event:** Faculty Development Program

**Title:** Modern Technologies for Grid Integration of Renewable Energy Sources

**Date:** From 14-03-2023 to 18-03-2023

**A.Y.:** 2022-2023

Narayana Engineering College, Guduru (Autonomous) - Faculty Development Program on "Modern Technologies for Grid Integration of Renewable Energy Sources" was organized from 14<sup>th</sup> Tuesday to 18<sup>th</sup> Saturday in the month of March-2023 in the Department of Electrical and Electronics Engineering. Principal Dr. V. Raviprasad said that the faculty development program is very useful for improving the teaching skills of higher education.

On this occasion, the managing secretary of the college, Mr. Vinay Kumar, Vice Principal Mr. Vishwak Sena Reddy and EEE Department Head Dr. K.P. Prasad Rao said that such programs would yield good results in teaching methods and teachers in higher education would acquire necessary social skills and professional development on a regular basis.

Specially for this program Dr. P. Srinivasa Verma, (K L Deemed to be University, Guntur) on "Reliability of Power System and its Analysis", Dr. U. Subrahmanyam, (Narayana Engineering College, Nellore (Autonomous)) on "Mathematical Analysis of Reliability in Electrical Systems" and Dr. T. Vijay Muni, (K L Deemed to be University, Guntur) on "Challenges and Issues of Grid Integration with Renewable Resources and its Mitigation Technologies" presented their lectures in blended mode from the first day to the last day. Electrical and Electronics Engineering faculty of various engineering colleges, research scholars and industry people participated in the programme.

### **PHOTOS OF THE EVENT**



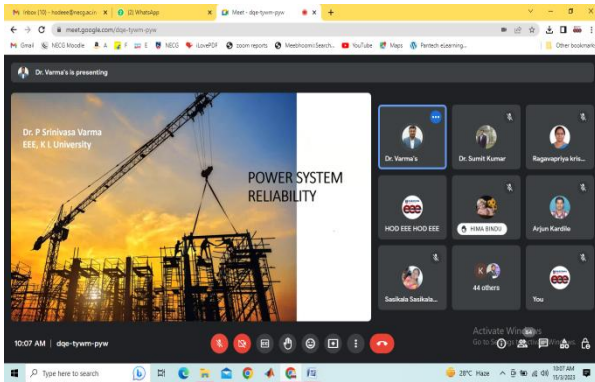
Banner of the Faculty Development Program



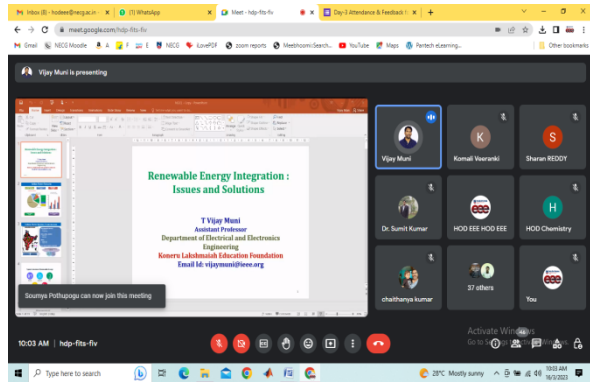
Inaugurated by Dr. V. Raviprasad, Principal, NECG (inside the photo: Dr. K. P. Prasad Rao, HOD and Dr. U. Subrahmanya, Resource Person)



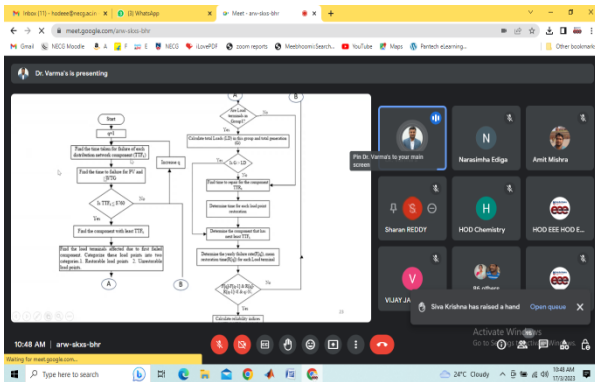
Day-1 Resources person (Dr. U. Subrahmanyam) presented the topic Reliability Evolutions in Engineering



Day-2 Resources person (Dr. P. Srinivasa Varma) presented the topic Power System Reliability (in generation, transmission and distribution)



Day-3 Resources person (Dr. T. Vijay Muni) presented the topic Renewable Energy Integration: Issues and Solutions



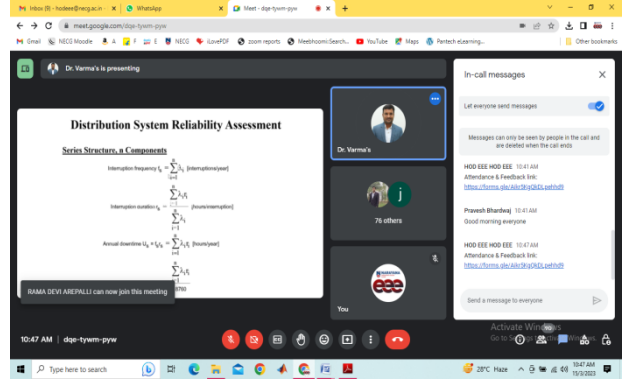
Day-4 Resources person (Dr. P. Srinivasa Varma) presented the topic Power System Reliability (after integrated the renewable energy sources)



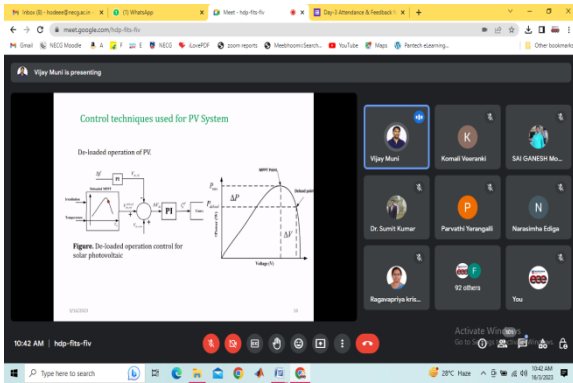
Day-5 Resources person (Dr. T. Vijay Muni) presented the topic Solar PV Integration: Issues and Solutions



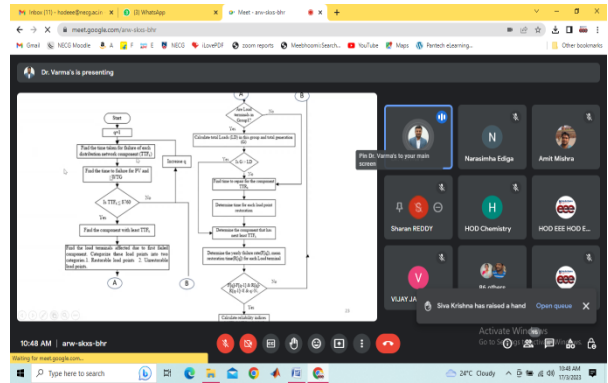
Day-1 Participants



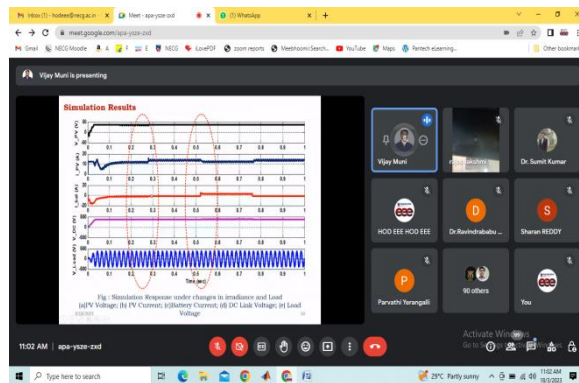
Day-2 Participants



Day-3 Participants



Day-4 Participants



Day-5 Participants



## FDP Brochure Front Page

<p><b>Narayana Engineering College</b> (AUTONOMOUS) <b>A Five Day</b> <b>Faculty Development Program</b> On "Modern Technologies for Grid Integration Of Renewable Energy sources" <b>Registration Form</b></p> <p>1. Name:..... 2. Designation:..... 3. Organization:..... 4. Mailing Address:..... ..... ..... ..... Ph.No:..... Email:..... Date:.....</p> <p style="text-align: right;"><b>Signature of Applicant</b></p> <p>Official Seal <b>Signature of Sponsoring Authority</b></p> <p><b>Registration Form link:</b> <a href="https://forms.gle/ZKmkKwCUsKo2XaiWZ">https://forms.gle/ZKmkKwCUsKo2XaiWZ</a></p> <p style="text-align: center;"><b>Contact</b></p> <table border="0"> <tr> <td>Dr.K.P.Prasad Rao Prof &amp; HoD- EEE 9441130709</td> <td>Mr.D.Rajesh Reddy Assoc. Professor 9440390725</td> </tr> </table> <p style="text-align: center;"><b>Email: <a href="mailto:hodeee@necg.ac.in">hodeee@necg.ac.in</a></b></p>	Dr.K.P.Prasad Rao Prof & HoD- EEE 9441130709	Mr.D.Rajesh Reddy Assoc. Professor 9440390725	<p><b>Founder Chairman</b> Dr. P. Narayana</p> <p><b>Chief Patron</b> Sri Y. Vinay Kumar Management Secretary Narayana Educational Society</p> <p><b>Patron</b> Dr. V. Raviprasad Principal Narayana Engineering College Gudur</p> <p><b>Co-Patron</b> Mr. K. Vishwakseena Reddy Vice-Principal Narayana Engineering College Gudur</p> <p><b>Convenor</b> Dr. K. P. Prasad Rao Prof &amp; HoD- EEE</p> <p><b>Coordinator</b> Mr. D. Rajesh Reddy Asst. Prof, EEE Dept.</p> <p><b>Organizing Committee</b></p> <table border="0"> <tr> <td>Mrs. V. Swarna Mr. T. Y. Saravanan Mr. R. Iruthayaraj Mr. R. Yedukondalu Mr. J. Rajesh Reddy Mr. P. Durga Prasad Mr. Ch. Prasad Mr. G. Nagendra Mr. Sk. Arshad Mr. B. Praveen Teja</td> <td>Assoc. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor</td> </tr> </table>	Mrs. V. Swarna Mr. T. Y. Saravanan Mr. R. Iruthayaraj Mr. R. Yedukondalu Mr. J. Rajesh Reddy Mr. P. Durga Prasad Mr. Ch. Prasad Mr. G. Nagendra Mr. Sk. Arshad Mr. B. Praveen Teja	Assoc. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor	<p><b>A Five Day</b> <b>Faculty Development Program</b> On Modern Technologies for <b>GRID INTEGRATION of</b> <b>RENEWABLE ENERGY</b> <b>SOURCES</b></p>  <p><b>From 14<sup>th</sup> to 18<sup>th</sup> March - 2023</b> Organize by Department of Electrical &amp; Electronics Engineering</p>  <p><b>NARAYANA ENGINEERING COLLEGE</b> (AUTONOMOUS) Dhurjati Nagar, GUDUR, Tirupati (Dt), Andhra Pradesh - 524101 Website: <a href="http://www.necg.ac.in">www.necg.ac.in</a></p> 
Dr.K.P.Prasad Rao Prof & HoD- EEE 9441130709	Mr.D.Rajesh Reddy Assoc. Professor 9440390725					
Mrs. V. Swarna Mr. T. Y. Saravanan Mr. R. Iruthayaraj Mr. R. Yedukondalu Mr. J. Rajesh Reddy Mr. P. Durga Prasad Mr. Ch. Prasad Mr. G. Nagendra Mr. Sk. Arshad Mr. B. Praveen Teja	Assoc. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor Asst. Professor					

## FDP Brochure Back Page

<p><b>About Narayana Educational society</b></p> <p>The prestigious Narayana Educational Society is founded by Dr. P. Narayana and has 44 years of academic excellence. The Narayana group is the Asia's largest educational conglomerate with more than 700 institutions with more than 12,000 faculty members, 30,000 employees and more than 3,00,000 students, spreading all over India and abroad. It is having 9 professional colleges which include Engineering, Medical, Dental, Yoga, Pharmacy and Management colleges in addition to IAS Training Academy.</p> <p><b>About The Institute</b></p> <p>The Narayana Engineering College, Gudur is established in the year 2001 by the Narayana Educational Society and is affiliated to JNTUA, Anantapur. Our College offers B.Tech (EEE, ECE, CSE, Civil and Mechanical), M.Tech (PE, DECS and CSE), MBA &amp; MCA with a total intake of 687 students. Our college is having well qualified and dedicated faculty, well established labs with State-of-the-art, laboratory facilities along with well furnished Computer Center, Air Conditioned Central library and Digital Library with 24-hour internet facility. A well established Training and Placement Cell equips the aspiring professionals with the corporate skills towards grabbing placements in MNCs.</p> <p>Narayana Engineering College is located in Gudur, Tirupati Dist, Andhra Pradesh. The college is 2 Km away from AFSRTC Bus Station and 2 Km from Gudur Railway Station.</p> <p>Our Institute Vision is "To be one among the premier institutions of the country for professional education in producing technocrats with competent skills, Innovative ideas and ethics to serve the nation".</p>	<p>Our Institute Mission is "→ To provide an environment most conducive to learning with state of the art infrastructure, well equipped Laboratories and research facilities to impart high quality technical education. → To emphasize on innovative ideas and creative thinking and prepare them to meet the growing challenges of the industry, → To inculcate the leadership qualities, multi-disciplinary approach, ethics and lifelong learning in graduates to serve the diverse societal needs of our nation".</p> <p><b>About the department</b></p> <p>The Department of Electrical &amp; Electronics Engineering is started in 2002. At present the department is offering B.Tech in EEE with an intake of 30 students and M.Tech (PE) with an intake of 9 students. The EEE Department provides its students with a solid foundation on which they can build successful and sustainable careers. The department provides sufficient broad base of laboratory experiments, so that the students can learn to apply the fundamentals of Electrical Engineering principles in an efficient manner. The aim is to provide the country with a pool of highly qualified Electrical &amp; Electronics Engineers who can carry out creative and challenging work in R&amp;D, Design, Industry, Teaching and who are capable of using existing and emerging technologies in solving practical problems.</p> <p>Our Dept. Vision is "To provide a strong foundation to the students in electrical and electronics engineering this would meet the requirements of industry and society and to make the electrical engineering ethically and emotionally strong enough to meet the technological challenges for the well being of this country in the coming years".</p> <p>Our Dept. Mission is "The Electrical and</p>	<p>Electronics Engineering Department at Narayana Engineering College creates possibilities to produce a new generation of knowledgeable, skilled and innovative engineers; who prove to be good citizens having concern for society, environment and ethical issues."</p> <p><b>Objectives of the FDP</b></p> <ul style="list-style-type: none"> <li>* Integration of small micro and large renewable energy systems to the grid.</li> <li>* To study advanced technologies in grid integration and operation of renewable energy sources.</li> </ul> <p><b>The Program Aims</b></p> <ul style="list-style-type: none"> <li>➤ To provide a forum to exchange views, ideas &amp; the latest innovations in the field of Power System design and operation with renewable energies.</li> <li>➤ To offer learning on emerging trends &amp; challenges in the field of renewable energy integration with grid.</li> <li>➤ To introduce various technologies available in grid integration, operation, control and to provide opportunities for broadening the knowledge.</li> </ul> <p><b>Eligibility</b></p> <ul style="list-style-type: none"> <li>• The program is primarily designed for</li> <li>• Faculty members from Electrical &amp; Electronics Engineering department.</li> <li>• PG Student/Ph.D Scholar.</li> <li>• Persons from Industry &amp; Research Institute</li> </ul> <p><b>Important Dates:</b> Last Date for Registration: <b>12<sup>th</sup> March 2023</b></p> <p style="text-align: center;"><b>No Registration Fee</b></p>
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