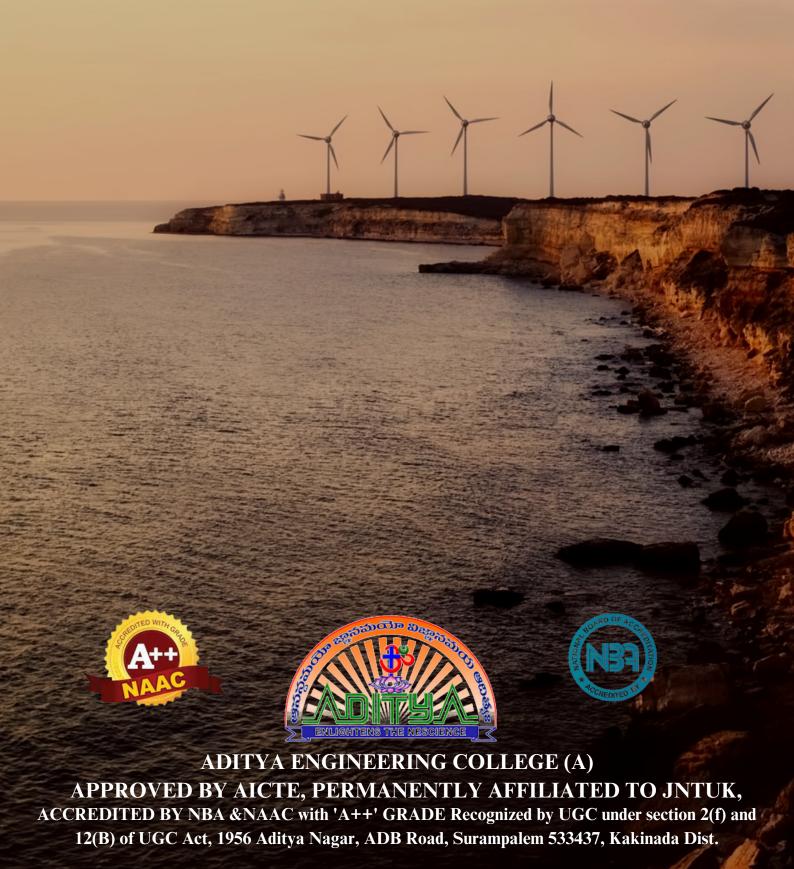
AMPERE

NEWSLETTER

Department of Electrical and Electronics Engineering
Volume: 13 Issue: 3 Dec 2023 -Feb 2024



CONTENTS

ABOUT THE DEPARTMENT	3
PUBLICATIONS	4
IEEE ONLINE QUIZ	5
WEBINAR ON VLSI	6
ONLINE WORKSHOP ON LOW COST AUTOMATION	7
INTERNATIONAL PEOJECT EXPO YESIST12 2K24	8-9
EDITORIAL BOARD	10

ABOUT THE DEPARTMENT

Established as one of the major departments of the Institute, the Department of Electrical and Electronics Engineering at Aditya strives to produce highly competent Engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting edge technologies with regular publications in ELSEVIER and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni. The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities. Students are provided internship programs in various power plants and industries like Reliance, SAIL, HPCL, GMR, GVK, VTPS, Vizag steel plant, ONGC, APGPCL, APEPDCL etc.

The department spares no expense to equip the labs with latest equipment like Three phase AC Integrated Machine, DC Integrated Machine, Wireless Transmission of Electric Power using Tesla Coil and technical software like MATLAB & P-Spice.

VISION

To excel in electrical education, research, and technology in tune with societal needs.

MISSION

M1:

Impart quality education and enterpreneur skills.

M2:

Provide cutting edge technologies for research and sustainabulity in collaboration with industry.

M3:

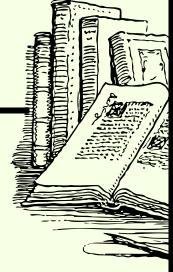
Nuture professional ethics and lifelong learning in tune with societal needs.



DEC 2023 - FEB 2024



E E E D E P A R T M E N T



FACULITY PUBLICATIONS AND CONFERENCES ATTENDED

International Journal

N. Ram Babu, "Application of an optimal tilt controller in a partial loading schedule of multi-area power system considering HVDC link and virtual inertia", ISA Transactions, Dec 2023.

B V V Kala Bharathi, "Fault-tolerant single-input dual-output converter with preserved output under fault operation", International Journal of Power Electronics and Drive Systems, Vol.14, No.4, Dec 2023.

FACULTY DEVELOPMENT PROGRAM

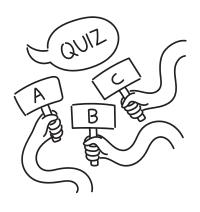
K. Sandhya Rani, Attended a Five-day online Faculty Development Program on "Emerging Trends and challenges in Renewable Energy systems" organized by GATES Institute of Technology (A), Ananthapuramu, Date: 5th February to 9th February 2024.

K. Sandhya Rani, Attended a Five-day online Faculty Development Program on "Advances Technologies in Electrical Engineering" organized by Sri Siva subramaniya Nadar College of Engineering (A), Kalavakkam Date: 13th February to 17th February 2024.

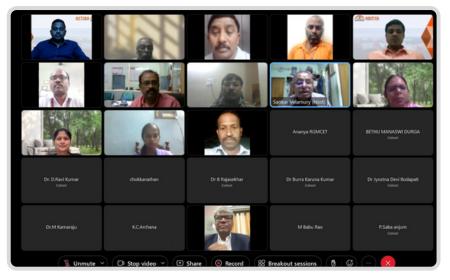
ONLINE QUIZ

QUALITY AND RELIABILITY QUIZ

Dr. A. Swarna Bai, secretary, Dr. D. Ravi Kumar, treasurer, and Sri. Somnath Pal, chair of the RS chapter, have organized the QUALITY AND RELIABILITY QUIZ. It was conducted online from 11:00 a.m. to 12:00 p.m. on December 10, 2023. There are 223 students from our institute that have taken part in the event. There were 23 institutions present at the event. The majority of students from our institute have participated, in comparison. The students from our university enthusiastically participated, demonstrating their interest in the occasion.







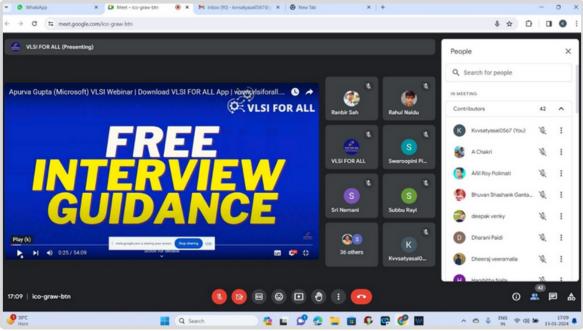
Quality and reliability are two crucial aspects that businesses across all industries strive to achieve. Quality ensures that products or services meet or exceed customer expectations, while reliability ensures consistent performance over time. This report aims to discuss the significance of quality and reliability in business operations, strategies for ensuring them, and their impact on customer satisfaction and brand reputation.



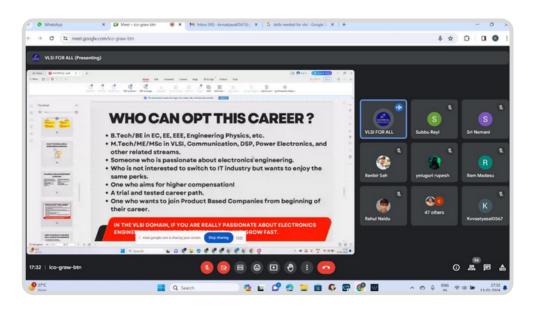
WEBINAR ON VLSI

ELECTRICAL AND ELECTRONICS ENGINEERING





The department of Electrical and Electronic Engineering (EEE) offered a free online webinar on "VLSI (Very Large-Scale Integration) Design" to impart knowledge of the VLSI design to students. The primary goal of the VLSI design is a process of designing integrated circuits (ICs) by integrating thousands, millions or even billions of transistors on a single chip. These ICs are used in a variety of electronic devices ranging from simple handheld devices to complex super computers. A good knowledge of VLSI will help to improve the employment potential of your students. Retaining this in mind, the department has organized this free online webinar for the benefit of the students.





ONLINE WORKSHOP ON LOW COST AUTOMATION

ELECTRICAL AND ELECTRONICS ENGINEERING

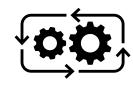




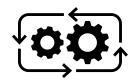
The department of Electrical and Electronic Engineering (EEE) has conducted an online Workshop on Low-Cost Automation. The objective of this programme to explore the latest advancements in Life Cycle Assessment and its practical applications, providing a platform for participants to gain deep insights into sustainable engineering practices. With a diverse range of sessions, and discussions, attendees will have the opportunity to connect with experts, exchange ideas, and expand their knowledge in this rapidly evolving field.







Mr. G. Ragesh Kumar, igus India-Product Manager LCA division, IGUS India Pvt.Ltd Bangalore was the Expert for the Online Workshop and it is conducted on 25-01-2024, co-ordinated by Mrs. K. Sandhya Rani, Asst.Prof Department of EEE, 211 students from Department of EEE have attended for this online workshop.





INTERNATIONAL PROJECT EXPO













DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IEEE Project Expo - Preliminary Round

YESIST12-2024

ADITYA ENGINEERING COLLEGE (A)

The Preliminary round of International Project Expo YESIST12 2024 (Youth Initiatives for Sustainable Technology-Based Social Innovations), has been Successfully Hosted by the Aditya Engineering College(A) on 14th February 2024, we had received total 93 project registrations for 5 different tracks of (Innovation Challenge, Junior Einstein, Maker Fair, Wepower, and Special Track) from 15 different institutions all over the country (India).



Our Honorable Principal Dr. M. Sreenivasa Reddy sir had been inaugurated the event along with all the respectable Deans and HOD's of Aditya Engineering College. All the Participated projects had been evaluated by the 4 jury members in which 3 are from our academia and one from the industrial area.

















We had filtered the top 1 project from each specific track i.e., we have shortlisted 5 top projects out of 94 registered projects. Our IEEE student branch Counsellor Dr. V. Srinivasa Rao had conveyed his valid vote of thanks to all the participants came from different regions and we had successfully completed this event by presenting the achievement certificates to the winners, Appreciation Jury certificates to the Jury members and participation certificate for the each and every participant by our Honorable Principal, Dean's and Hod's of Aditya Engineering College.







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ASSISTANT EDITORS

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K.VENKAT 21A91A0221

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OUR MAJOR RECRUITERS

































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