

E- Newsletter

DEPARTMENT OF ELECTRICAL ENGINEERING

JANUARY-MARCH 2021 | Volume 6, NO 1

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Vision

“To Prepare Professionally

Competent Electrical Engineers for

Global Industrial requirements and

societal needs”



CONTENT

01.FACULTY OUTREACHED

02. STUDENT ACTIVITIES

03.ACADEMIC ACTIVITIES

04.PUBLICATIONS

MISSION

- *Impart state-of-the-art technical education at UG, PG and Ph.D. levels through good academic support & facilities. (Academic Development)*
- *Keep pace with latest technological developments in the domain. (R&D Activities)*
- *Effective interactions with industries, academia and other stakeholders. (Industrial & Societal needs)*
- *Provide training on soft skills, managerial skills and professional ethics for overall development of students and society in an ethical manner. (Human Potential Development)*

Programme Educational Objectives (PEOs)

PEO-I

Graduates of the program will have successful technical and professional career

PEO-II

Graduates of the program will continue to learn and adapt in a world of constantly evolving technology

PEO-III

Graduates of the program will be able to apply, analyze, design and develop products and solutions for real life Electrical Engineering problems.

PEO-IV

Graduates of the program will be able to manage projects catering to current societal and industrial needs in an ethical manner as a members/leaders of multidisciplinary teams

NEWSLETTER

TEAM MEMBER

Advisor – Dr. S. Wadhvani

Faculty Member-Prof.Shweta

Kumari, Prof.Aprajita Kumari, Prof.

Shailendra Pratap Prof Bhavna

Rathore, Prof Vishal Chaudhary, Dr

Vikram.

Student member-Mr.Abhinav Singh

Tomar , B.Tech Third Year, EED,Mr

Ritik Gupta, B.Tech Second Year, EED

FACULTY OUTREACHED

- **DR.A .K .WADHWANI, DR. SULOCHANA WADHWANI, Dr. Shishir Dixit Prof.VISHAL CHAUDHARY** attended Workshop on" Transition from traditional to blended learning: Challenges & Opportunities-II " Jointly organized by IQAC-Madhav Institute of Technology and Science, Gwalior & Manav Rachna University, Faridabad, Haryana from 23rd to 30th jan 2021.
- **Prof.ASHIS PATRA attended** workshop,attended,at SUIIT-Burla(orissa) from 26th to 30th April 2021.
- **Prof. Saurabh Kr Rajput, attended** ShortTerm Course (with hands on training) on Data Analytics and Predictive Technology driven IOT based Smart Grid Infrastructure, organized by IIT (BHU) Varanasi from 1st to 6th march 2021

FACULTY RECEIVED AWARD & PRIZE

- **Prof. Vishal Chaudhary** Received Certificate of Appreciation of "ISTE Students' Chapter MITS" performance during the academic session 2019-2020 on the occasion of MITS Day 10.03.2021(Faculty Advisor, ISTE Students' Chapter MITS)
- **Prof. Vishal Chaudhary** Received Certificate of Appreciation of "Holistic Health Club MITS" performance during the academic session 2019-2020 on on the occasion of MITS Day 10.03.2021(Faculty Coordinator- Holistic Health Club MITS) *received Certificate of Appreciation of "Holistic Health Club MITS" performance during the academic session 2019-2020. (Faculty Coordinator- Holistic Health Club MITS)*

Ph.D Submitted

- **PhD submitted (RGPV Bhopal)** 1. By Manoj Bandil "Multi-Resolution Epileptic Classification of Electroencephalogram using Hybrid Soft Computing Techniques" Date of submission: 20/02/2021, Supervisor: Dr. A.K. Wadhvani 2. Shalini Sahay, "Computer Aided Interpretation of Bioelectric Signals", Supervisor: Dr A.K. Wadhvani, Co-supervisor-Dr Sarita Singh Bhadoria, Dr. A.K. Wadhvani, Date of submission :07.12.2020
- **PhD Awarded** (MGCGV Chitrakut , Satna) By Shilpi Singh, Title of thesis: Development of Diagnostic System for surface EMG signals using Soft-computing Techniques, Date of award:24.03.2021, Supervisor: Dr. Bharat Mishra, Co-supervisor: Dr. A. K. Wadhvani
- **PhD thesis Submitted** (RGPV Bhopal) by Alka Thakur ,Title of Thesis:Fault Detection and Analysis in Rotating Electrical Machine using Soft Computing Techniques 29/01/2021, Supervisor: Dr. S.Wadhvani, Co-supervisor: Dr. A.K. Wadhvani

STUDENT CLUB ACTIVITIES ORGANIZED

- A virtual two days Yoga workshop "Spark 2021 with Yoga Magics" on 02 & 03 January 2021
- The Art of living in association with Holistic Health Club MITS will be conducting Online Student Excellence & Learning Program (SELP) Under TEQIP-III from 09.02.2021 to 14.02.2021
- A webinar by IAS officer IRA SINGHAL in collaboration with ROTARACT CLUB OF GWALIOR REGAL through online mode on 13.03.2021
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➤ ACTIVITIES ORGANIZED AT INSTITUTE LEVEL

- Hult prize campus level start-up pitch competition on January 20th, 2021, Number of participants are 25.

FACULTY AS RESOURCE PERSON

- **DR. LAXMI SRIVASTAVA** has delivered **Expert Talk** on Date: 25/02/2021 at AICTE-RGPV TTP Title: "Application of AI Techniques for Solving Engineering Problems" Program Schedule: 22nd Feb to 27th Feb 2021 Conducted By (Host Institute): UIT-RGPV.
- **DR. MANJAREE PANDIT** has delivered **Expert Talk** Date: 24/02/2021 AICTE-RGPV TTP on:- Title: "Application of AI Techniques for Solving Engineering Problems" Program Schedule: 22nd Feb to 27th Feb 2021 Conducted By (Host Institute): UIT-RGPV
- **DR.A .K .WADHWANI has delivered Expert Talks"** Date: 17/03/2021 & 19/03/2021 AICTE-sponsored FDP on: Trends for Industry 4.0 beyond 2020 perspective Title 1: "End of COVID-19 using Astrological Aspects & Fuzzy Rules", Title
- "Real Time Data Acquisition & Signal Conditioning of Machine in Industries using AI & IoT" Program Schedule: 15th March to 20th March 2021 Conducted By : Department Of Electronics Engineering, JC Bose University of Science & Technology, YMCA Faridabad
- **DR.A .K .WADHWANI has delivered Expert Talk**, Date 17.02.2021, Webinar on "Towards a more Holistic & Multidisciplinary Education through NEP2020", under TEQIP-III at GEC Bilaspur
- **DR.A .K .WADHWANI has delivered Expert Talk:** Two days National Webinar on "NEP2020: Technology Use & Interaction", Date 18-19 February, 2021 Under TEQIP-III, Vishavvidyalaya Engineering College, Lakhanpur
- **DR.A .K .WADHWANI has delivered Expert Talk:** Date 04.01.2021-08.01.2021, TEQIP-III sponsored one week FDP on "Solar & Smart Grid Technology SSGT-2021" at RTU Kota "Role of Fuzzy Logic in Rural Electrification Using Solar Energy", on 06.01.2021 & "AI Applications in Solar Energy ", on 07.01.2021
- **DR.A .K .WADHWANI has delivered Expert Talk:** Two week FDP on "Future Trends in Renewable Energy, organized by LNCT Group Bhopal Under AQIS, AICTE Title of the talk: "Role of Fuzzy Logic in Rural Electrification using Solar Energy" on 20.02.2021,
- **DR.A .K .WADHWANI has delivered Expert Talk** on Role of AI in present Scenario, 25.02.2021, GEC Bilaspur
- **Dr. Shishir Dixit** has delivered **Expert Talk** Date: 19/01/2021 AICTE Training Learning (ATAL) Academy Cell on:- Title: "GREEN TECHNOLOGY & SUSTAINABILITY ENGINEERING" Program Schedule: January 19-23, 2021 Conducted By (Host Institute): Gautam Buddha University, Greater Noida
- **Prof. Saurabh Kr Rajput** has delivered Expert Lecture in "DST Sponsored Solar Technology Based Entrepreneurship Development Programme (TEDP)" at Sri Vishwakarma Skill University on topic "Economic Analysis of 25 kWp Rooftop Solar PV System"

STUDENT CHAPTER ACTIVITIES ORGANIZED

- ISTE Students' Chapter MITS Gwalior in coordination with ISTE Students' Chapter MANIT Bhopal, is conducting "ChimeraX" an online quizzing event on 31.01.2021

PUBLICATION

- Paliwal N., **Srivastava L., Pandit M.** (2020) Jaya Algorithm Based Optimal Design of LQR Controller for Load Frequency Control of Single Area Power System. In: Shukla R., Agrawal J., Sharma S., Chaudhari N., Shukla K. (eds) Social Networking and Computational Intelligence. Lecture Notes in Networks and Systems, vol 100. Springer, Singapore. https://doi.org/10.1007/978-981-15-2071-6_48
- **Rathore B,** Chakrabarti S, **Srivastava L.** ARI and ARID control of virtual synchronous generator for frequency response improvement. IET Renew Power Gener. 2021;15:664-675.
- **B. Rathore,** S. Chakrabarti, **L. Srivastava,** "A Self-Regulated Virtual Impedance control of VSG in a microgrid" Electric Power Systems Research, Vol. 97, 2021
- Sharma K., **Dubey H.M., Pandit M.** (2020) Short-Term Hydrothermal Scheduling Using Gray Wolf Optimization
- Abhijeet Singh Patel, **Shishir Dixit,** "Optimal Power Flow Simulation using LP Method" has been accepted in 10th IEEE CSNT2021 (International Conference on Communication Systems and Network Technologies)
- **Rajput S.K., Wadhvani S.,** Singh J. (2021) Reliability and Energy Efficiency of Ring Frame Machine in Textile Industries: Secure, Smart, and Reliable Network. In: Agrawal R., Kishore Singh C., Goyal A. (eds) Advances in Smart Communication and Imaging Systems. Lecture Notes in Electrical Engineering, vol 721. Springer, Singapore. https://doi.org/10.1007/978-981-15-9938-5_61