

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to R.G.P.V, Bhopal)



## **DEPARTMENT OF ELECTRONICS ENGINEERING**

# **NEWSLETTER**

Jul-Sept, 2021  
Vol. No. 9/Issue 3



## **VISION**

***To create world class quality electronics engineers and technocrats capable of providing leadership in all spheres of life and society.***

## **MISSION**

- ***To provide quality education in technical and allied disciplines.***
- ***To organize and arrange innovative courses in Electronics Engineering.***
- ***To arrange vocational courses in the upcoming fields and innovative subjects to meet global advancements.***
- ***To promote research in the fields of technology and science.***

## **Programme Educational Objectives (PEOs)**

1. ***Graduates of the program will be successful global collaborators with thriving technical and professional careers in the field of Electronics Engineering.***
2. ***Graduates will have the ability to adapt latest technologies to contribute for sustainable development of society with effective research and entrepreneurship attitude.***
3. ***Graduates will have the teamwork, professional excellence, communication, and interpersonal skills to enable them to work effectively with interdisciplinary teams in Industry, Government, and Academia.***

## TALK DELIVER OUTSIDE THE INSTITUTE

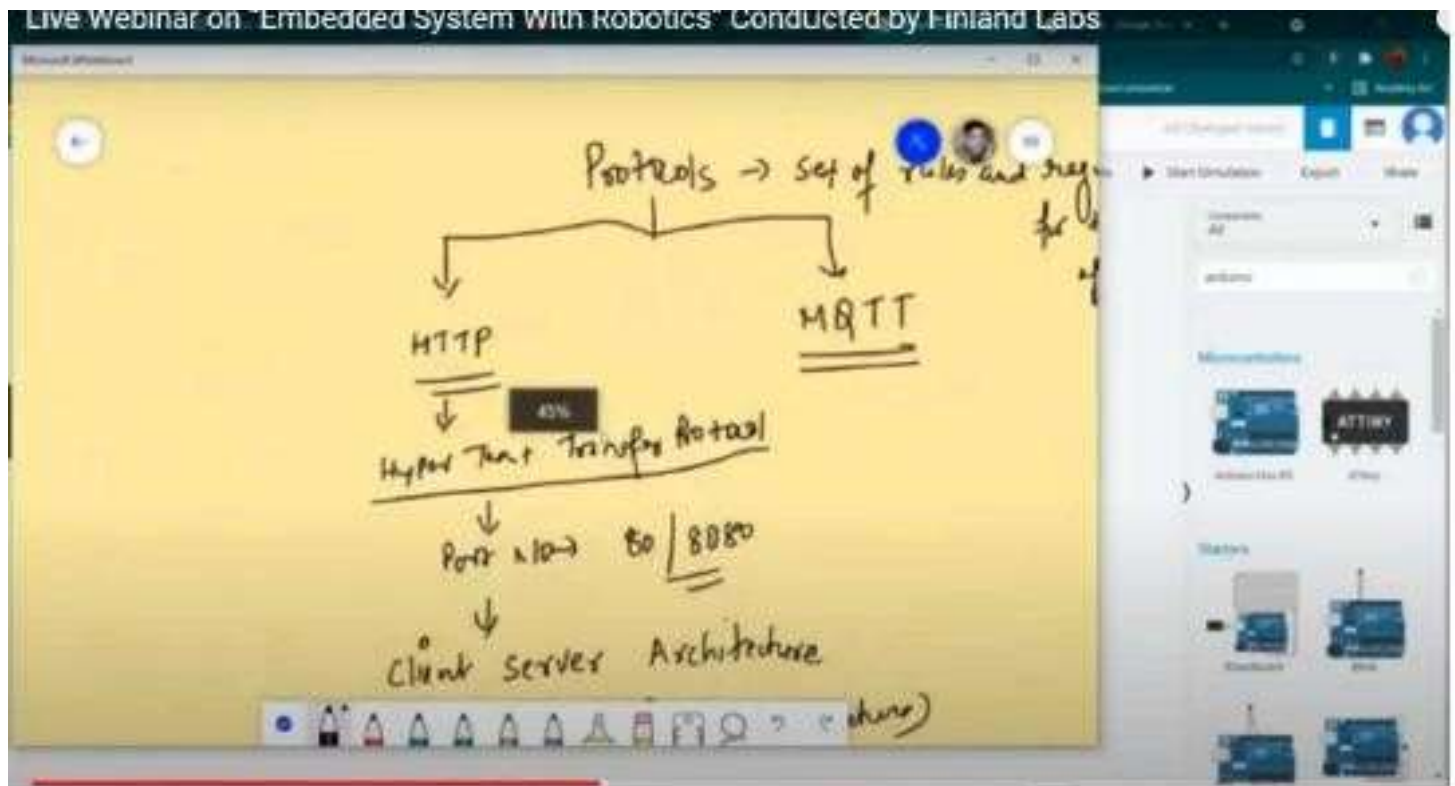
1. Dr. Rahul Dubey delivered an expert lecture on “Role of IPR and International Treaties” at SATI, Vidisha (M.P) on 16<sup>th</sup> Sept 2021.
2. Dr. Rahul Dubey delivered an expert lecture on “Intellectual Property Rights” at SAGE Group, Bhopal (M.P) on 24<sup>th</sup> Sept 2021.

## FDP/STC ATTENDED(OUTSIDE/INSIDE THE INSTITUTE)

S. No.	Name of Faculty	Topic	Date(S)	Duration	Organized By	Level
1	Dr. R. P. Narwaria	Virtual Lab	21/08/2021	One day	ABV-IIITM Gwalior, MITS Gwalior and Shiksha Sanskriti Uttan Nyas Madhya Bharat Prant	National
2	Dr. R. P. Narwaria	Importance of Meditation in Routine Life	29/09/2021 to 01/10/2021	Three day	Department of Electronics Engineering & NSS unit MITS Gwalior	Institute
3	Dr. Sandeep Sharma	Importance of Meditation in Routine Life	29/09/2021 to 01/10/2021	Three day	Department of Electronics Engineering & NSS unit MITS Gwalior	Institute
4.	Dr. Laxmi Shrivastava	Workshop for NIRF-2022 preparation	27/08/2021	One day	MITS, Gwalior	Institute
5.	Madhav Singh	Importance of Meditation in Routine Life	29/09/2021 to 01/10/2021	Three day	Department of Electronics Engineering & NSS unit MITS Gwalior	Institute
6	Dr. Hemant Choubey	Importance of Meditation in Routine Life	29/09/2021 to 01/10/2021	Three day	Department of Electronics Engineering & NSS unit MITS Gwalior	Institute
7	Dr. Vandana Vikas Thakare	Importance of Meditation in Routine Life	29/09/2021 to 01/10/2021	Three day	Department of Electronics Engineering & NSS unit MITS Gwalior	Institute
8	Dr. Vandana Vikas Thakar	National Workshop on Virtual Lab	21 August 2021	One day	ABV- Indian Institute of Information Technology and Management Gwalior Madhav Institute of Technology and Science Gwalior And Shiksha Sanskriti Utthan Nyas, Madhya Bharat Prant	National

## EXPERT TALK ORGANIZED AT INSTITUTE LEVEL

1. Department organized a one day webinar on "MATLAB for New Users" on 03<sup>rd</sup> Aug 2021. Mr. Manoj Kumar, Application Engineer, Design Tech Systems Pvt. Ltd., New Delhi was the expert for this workshop. Total 163 participants have successfully attended the workshop.
2. Department organized a one day webinar on "Embedded System with Robotics" on 14<sup>th</sup> Sept 2021. Mr. Jeetu Gupta Dept. of Education & Training Development Finland Labs (Unit of Revert Technology Pvt. Ltd) was the expert for this workshop. Total 107 participants have successfully attended the workshop.
3. Department organized of Industry Interaction Session on "EMC Testing" on 17<sup>th</sup> Sept 2021. The lecture is planned to give idea about the Testing of electronics instruments during prototype building. Er. Abhishek Mishra, Senior Engineer, and Team lead EMC Testing, Quallsys Technology Solution Pvt Ltd, Bangalore was the expert for the session.



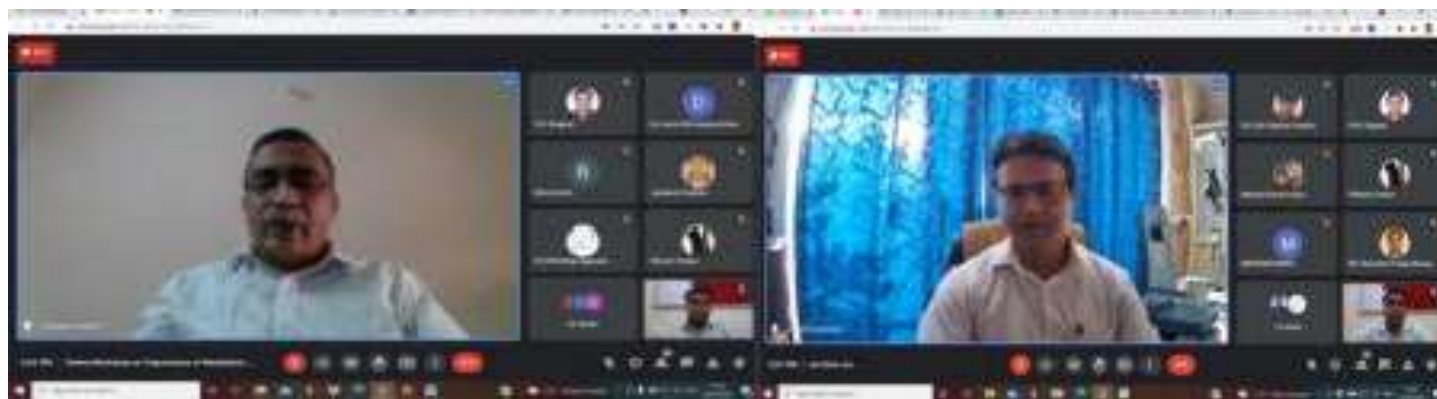




## **ACTIVITIES ORGANIZED (WORKSHOP/CONFERENCE/FDP/STC) AT INSTITUTE LEVEL**

1. Department organized an Online Panel Discussion and Interaction of Alumni - Students on "Industrial Demand and Current Adopted Technologies". Mr. Abhineet Singh Tomar, Embedded Electronics Engineer Volvo Powertrain, Sweden , Mr. Yasho Vijay Singh, RF & Microwave Engineer Centre for Electromagnetics, CSIR - National Aerospace Laboratories(NAL), Bangalore , Mr. Rahul Kathuria, Strategy Consultant Accenture, Gurgaon, Haryana and Mr. Anuj Paharia, Software Engineer Intel, Bangalore were the experts of the workshop. Total 89 participants have successfully attended the program.
2. Department organized a three day online workshop on "Importance of Meditation in Routine Life" on 29<sup>th</sup> Sept 2021, Mr. Sandeep Pradhan, Dr. Harsh Sukhwani and Mrs. Archana Sharma Trainer, Heartfulness Institute was the experts of this workshop. Total 32 participants have successfully attended the workshop.





## NPTEL/ATAL/COURSERA/INTERNSHALA COURSE ATTENDED BY FACULTY

SNO	Name of Faculty	Course Name	Duration
1	Dr.Laxmi Shrivastava	Accreditation of Undergraduate Engineering Programme - July 2021	8 Week
2	Dr R.P Narwariya	Control System	12 Week
3	Prof. Deep Kishore	Control System	12 Week
4	Dr Rahul Dubey	Basic Electrical Engineering	12 Week
5	Dr Vikas Mahor	Digital Electronics and Microprocessor	12 Week
6	Dr Sandeep Sharma	Digital Circuit	12 Week
7	Dr Hemant Choubey	Basic Electrical Circuit	12 Week

## PhD AWARDED IN THE YEAR BETWEEN OCTOBER-DECEMBER 2020

S. No.	Name of Candidate	Name of Supervisor/ Co-Supervisor	Registration Date/Month	Title/Area	Status (Submitted/Awarded)	MIT (RGPV) /Other University
1	Mr. Sumanta Kumar Kundu	Dr. P. K. Singhal	2010	Patch Antennas conformable to planer and non-planer surfaces	Awarded	MIT (RGPV)
2	Ms Asmita Rajawat	Dr. P. K. Singhal	2010	Energy harvesting from Microwave Power Transmission	Awarded	MIT (RGPV)
3.	Ms. Sashi Bhushan Kumar	Dr. P. K. Singhal	2010	Planer Microstrip Antenna with Fractal Geometry	Awarded	MIT (RGPV)

## PUBLICATION SCI/UGC/SCOPUS WITH DOI NUMBER

S.NO.	Author(s)	Paper Title	Journal/Conference	DOI
1	Vaibhav Kotiyal, Abhilash Singh, Sandeep Sharma, Jaiprakash Nagar and Cheng-Chi Lee	ECS-NL: An Enhanced Cuckoo Search Algorithm for Node Localisation in Wireless Sensor Networks	SCI Journal	<a href="https://doi.org/10.3390/s21113576">https://doi.org/10.3390/s21113576</a>
2	Shailendra Kumar Pathak, Deepak Batham and Shashi Prakash	Time and bandwidth aware traffic balancing in elastic optical networks – A two dimensional approach	SCI Journal	<a href="https://doi.org/10.1016/j.yofte.2021.102585">10.1016/j.yofte.2021.102585</a>
3	Prasun Das, Madhav Singh, Laxmi Shrivastava	Energy Efficient Design of High Performance Wireless Sensor Networks using AODV	UGC	<a href="http://www.ijrar.org/papers/IJRAR21B1689.pdf">http://www.ijrar.org/papers/IJRAR21B1689.pdf</a>

## STUDENT CLUB ACTIVITIES ORGANIZED

**Name of Club: IETE Student Forum MITS Gwalior**

S.NO	Name of Activity	Date	Level of Activity	No. of Students Participated
1	Webinar on "MATLAB for New Users"	3 <sup>rd</sup> August 2021	Intra College	137
2	Women International Summit Theme "Women Empowerment"	08 <sup>th</sup> August 2021	International	145
3	CAMPUS TO CORPORATE- A Placement Mock Drill	14 <sup>th</sup> August 2021	Intercollege	35
4	Online Competition on "Innovative Ideas & Projects" for student on the occasion of Engineer's day	15 <sup>th</sup> September 2021	Intercollege	87
5	Hindi Workshop on Ethics and Student life	14 <sup>th</sup> September 2021	Intercollege	54

# ACTIVITIES ORGANIZED UNDER NATIONAL SERVICE SCHEME

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
Online Poster making competition on HIV awareness	NSS Unit MITS	NSS	2021	10
Online celebration on NSS day	NSS Unit MITS	NSS	2021	61
Right way to clear entrance examinations for higher education	NSS Unit MITS	NSS	2021	55

## MEDIA COVERAGE



## DEPARTMENTAL ACTIVITIES

1. Department organized a one day In-house workshop on “Student-centric, innovative and effective teaching learning practices to enhance learning outcomes” on 16<sup>th</sup> Sept 2021. Total 13 participants have successfully attended the workshop.
2. Department organized a one day In-house workshop on “Computation of Citations and h-index” in the Web of Science and Scopus” on 16<sup>th</sup> Sept 2021. Total 13 participants have successfully attended the workshop.
3. Department organized a two day In-house workshop on “Project Design using MATLAB, Proteus” on 15<sup>th</sup> -16<sup>th</sup> July, 2021.
4. Department of Electronics Engineering, MITS Gwalior conducted one day workshop on” नतिकै मलूय एवं छात्र जीविका (Ethics and Student life)” on the occasion of Celebrating Hindi Diwas 14th September 2021. Mrs. Pratibha Trivedi, Principal, Govt. High school Naumahla was the expert on this occasion. Total 53 participants have attended this workshop.
5. Department of Electronics in collaboration with IETE Bhopal centre, Bhopal, India and IETE Students Forum, MITS Gwalior an Online Competition on “Innovative Ideas & Projects” for student on the occasion of Engineer’s day(15<sup>th</sup> Sept 2021).
6. Department organized a one day workshop on “Intellectual Property Right” on 26<sup>th</sup> Aug 2021. Dr C.S Malvi ,Professor, Department of Mechanical Engineering, MITS, Gwalior, India was the expert of this workshop. Total 62 participants have successfully attended this workshop.
7. Department organized a one day panel discussion on Sexual Harassment–Khamoshi Kab Tak on 24<sup>th</sup> July 2021 .Total 30 participants have successfully attended the discussion.



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**DEPARTMENT OF ELECTRONICS ENGINEERING**  
**PRESENTS WORKSHOP AND COMPETITION ON**  
**“नैतिक मूल्य और छात्र जीवन”**  
TO CELEBRATE HINDI DIWAS

**Date & Day: 14th SEPTEMBER 2021, TUESDAY**  
**Time: 5 pm onwards**

**GUEST SPEAKER** ..... **EVENTS**




**YEAR 2020-2021**

**Workshop on computation of Citations & H-Index**  
in  
(i) Web of Science (ii) Scopus  
On  
7<sup>th</sup> September 2021

What is H-index ?

## INTERNATIONAL COLLABORATION



## TEAM NEWSLETTER

**Advisor-Dr. Laxmi Shrivastava (HOD)**

**Editor- Dr.Hemant Choubey**  
Incharge E-News Letter

**Technical Staff-Sujan Singh Jadon.**

**Student Member: Kritesh Jain(EC-2<sup>nd</sup> Year)**  
**Nikunj(EC-3<sup>rd</sup> Year)**