

**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**

Apr-June, 2021  
Vol. No. 4/Issue 2

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## **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)**

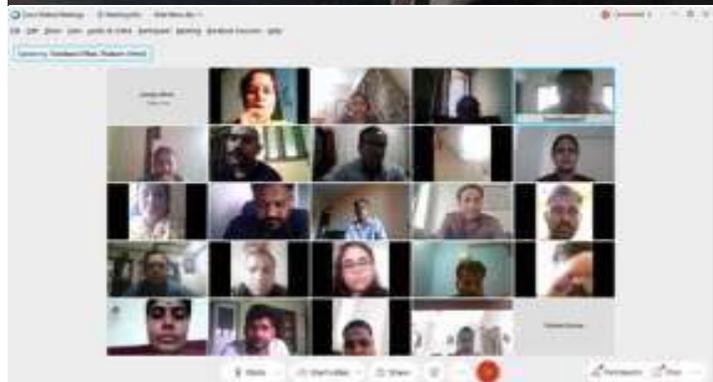
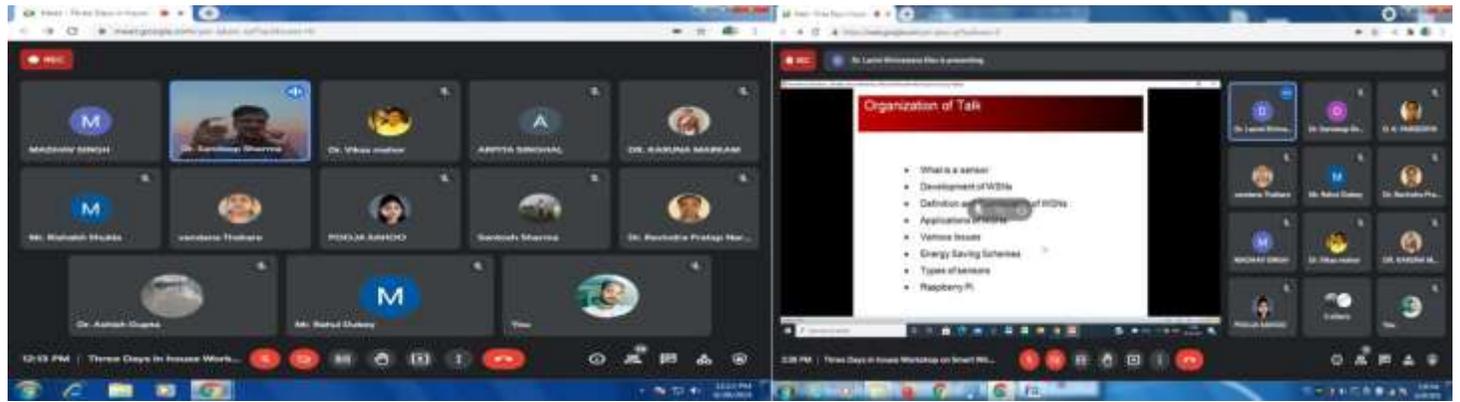
- 1. Graduates of the program will be successful global collaborators with thriving technical and professional careers in the field of Electronics Engineering.*
- 2. Graduates will have the ability to adapt latest technologies to contribute for sustainable development of society with effective research 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.*

## **FACULTY OUTREACH/ ACHIEVEMENT**

1. Prof. Pooja Sahu attended the five day workshop on “Hands-on Session in Drafting and Filing Procedure of Intellectual Property Rights”, organized by Department of Electronics & Communication engineering, Jaipur, Rajasthan on 03-07 May 2021.
2. Dr. Laxmi Shrivastava and Prof.Pooja Sahu attended the workshop on “Role of Holistic Education in Building an Equitable, Safer and Happier Society”, organized by MITS Gwalior on 5<sup>th</sup> June 2021.
3. Dr.Hemant Choubey attended the International Webinar on “Climate Change & Global Warming”, organized by IETE MP Chapter in collaboration with Institution of Engineers, Gwalior Local Centre, IES University, Bhopal, Shivpuri Institute of Technology, Shivpuri on 5<sup>th</sup> June 2021.
4. Prof Pooja Sahu attended online national webinar on “Winning in the digital age”,organized by ITS Mohan Nagar,Ghaziabad on 01<sup>st</sup> May 2021.
5. Dr. Laxmi Shrivastava attended ATAL online FDP on “Wireless Communication Technologies”organized by AICTE on 21-25<sup>th</sup> June,2021.
6. Dr.Vikas Mahor attended ATAL online FDP on “Challenges and Opportunities in VLSI for IoT Applications”,organized by KL University on 21-25<sup>th</sup> June,2021.

## **DEPARTMENTAL ACTIVITIES**

- 1.Department organized an Online three Day Workshop on “Smart Wireless Communication Technologies” on 28-30<sup>th</sup> June, 2021.Dr. Sandeep Sharma and Prof. Deepak Batham coordinated the program. Total 14 participants have successfully attended the program.
2. Institution of Electronics and Telecommunication Engineers (IETE) Bhopal Center organized a IETE Zonal Seminar and ISF congress on 16-17 May 2021 in virtual mode in collaboration with Department of Electronics Engineering, Madhav Institute of Technology and Science, Gwalior, IES University Bhopal, Shivpuri Institute of Technology, Shivpuri, Institution of Engineers(India), Gwalior Chapter and ICOTEX India, Gwalior. Dr. Manjari Pandit, Dean academics, MITS, Gwalior ,Dr. P K Singhal, Chairman, IETE Bhopal Chapter, Prof. N.N. Kasat, Mentor IETE West Zone, and Prof. M.N. Hoda Chairman TPPC, IETE addressed the participants. 21 research papers were presented by speakers from all over the globe. One motivational talk was delivered by Mr. Prateek Singhal, Senior Director, SQUARETRADE, CALIFORNIA. Around 100 participants have successfully attended the program.
3. Department organized a ATAL Faculty Development Program on “Modern Techniques for Wireless Communication on 17th - 21st May 2021.Expert invited online in this FDP was Dr. Vimal Bhatia IIT Indore, Dr. Manoj Shukla HBTU Kanpur, Dr. Ram Bilas Pachori IIT Indore, Dr. Manoj Kumar Meshram IIT BHU, Dr. Jyoti Singhai MANIT, Bhopal, Dr. Rakesh Singhai UIT RGPV Bhopal, Dr. Ashok De DTU Delhi, Dr. P. K. Singhal MITS Gwalior, Dr. Aditya Trivedi IIITM Gwalior, Dr. Vandana Vikas Thakare, Dr.G.S. Tomar Rajkiya Engg. College, Sonbhadra, Dr. Yogendra Prajapati MNNIT, Allahabad, Mr. Sandeep Pradhan Heartfulness, Dr, Shehnaaz Ayub Khan, HOD, BIET Jhansi.
4. Department organized a workshop for teaching and non-teaching staff on “Excel and Simulation Software” .Total 24 participants have successfully attended the program.



### एमआइटीएस में फैकल्टी डवलपमेंट प्रोग्राम

## डाटा कलेक्शन के साथ डाटा क्लीनिंग, एक्सप्लोरेशन और एनालिसिस भी जरूरी

ग्वालियर • एमआइटीएस की ओर से अटल अकादमी के अंतर्गत आयोजित किए जा रहे फैकल्टी डवलपमेंट प्रोग्राम का समापन शुक्रवार को हुआ। प्रोग्राम में आइआईटी के 13 प्रोफेसरों ने 5जी कम्युनिकेशन पर चल रहे शोध से अवगत कराया। आइआईटी बीएचएच के डॉ. मनोज कुमार मेश्राम ने माइक्रोवेव और मिलीमीटर वेंच में उपयोग होने वाली माइक्रोस्ट्रिप टेक्नोलॉजी की विशेषताओं के बारे में बताया। वहीं डॉ.टी.एच.के. प्रो. अशोक

रिसर्चर्स हर पैरामीटर की विशेषताओं को समझें एमआइटीएस की डॉ. चंद्रमोहन ने बताया कि डाटा कलेक्शन करने के बाद-सब डाटा क्लीनिंग, एक्सप्लोरेशन और एनालिसिस भी बहुत जरूरी है। डॉ. प्रमोद कुमार सिंघल ने बताया कि रिसर्चर्स को हर पैरामीटर की विशेषताओं को समझना चाहिए। अइएनआईएनएन के प्रो. डॉक्टर आदित्य विधेरी ने वायरलेस कम्युनिकेशन में उपयोग होने वाली नैनो-ऑप्टिकल मटेरियल राइसल तकनीक की भी जानकारी दी।

**A Workshop On Hands-on Excel and Simulation Software**

**Registration Link**  
<https://rb.gy/rzk3or>  
 (No Registration Fee)

**Schedule**  
**25-26 June 2021**  
 11 AM - 5 P.M.

**Participant**  
 Lab Staff of Electronics, Electrical and CS/IT Departments

**Participants will get an e-certificate**

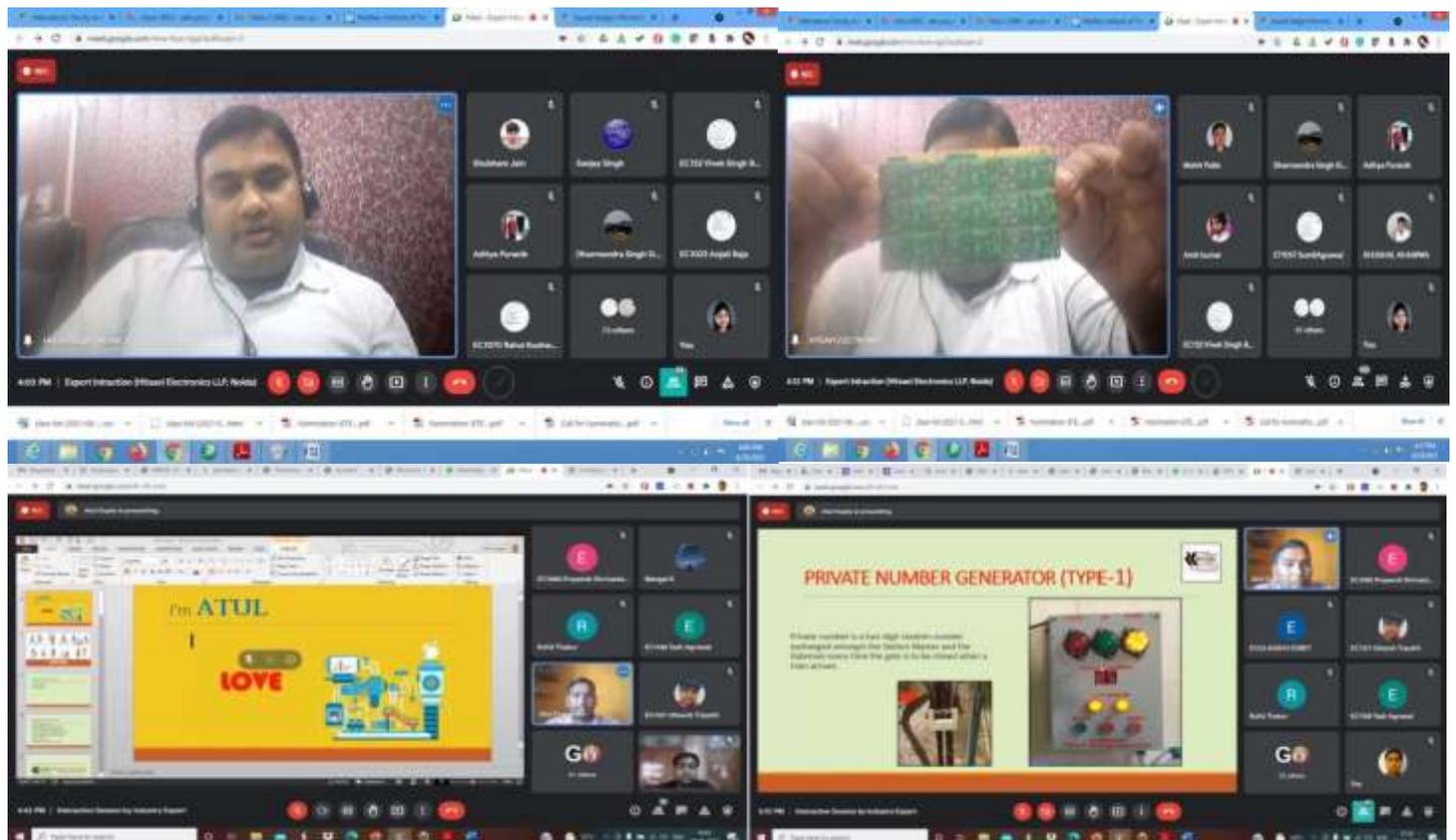
**Whatsapp Group**  
<https://rb.gy/trwuty>

**Co-ordinator:**  
**Mr. Rishabh Shukla**  
**Ms. Arpita Singhal**  
 Assistant Professor  
 Department of Electronics Engineering  
 MITS, Gwalior

**Dr. Laxmi Shrivastava**  
 Associate Professor & HoD  
 Department of Electronics Engineering  
 MITS, Gwalior

4. Department organized an expert talk on 29 June 2021 by Saurabh Kumar, MD, HITSAVI Electronics LLP, Noida. Mr. Saurabh interacted with the students about their interest related to PCB designing. This activity was coordinated by Prof. Pooja Sahu and MoU signed with the industry by the department.

5. Department organized an expert talk on 29 June 2021 by Saurabh Kumar, MD, HITSAVI Electronics LLP, Noida. Mr. Saurabh interacted with the students about their interest related to PCB designing. This activity was coordinated by Prof. Pooja Sahu and MoU signed with the industry by the department.



## RESEARCH PUBLICATIONS

1. Chandra Pal Kushwah, Karuna Markam, "Semantic Segmentation of Satellite Images using Deep Learning". In International Journal of Innovative Technology and Exploring Engineering(IJITEE), , pp. 33-37,Vol.10,Issue-8 June 2021, DOI: 10.35940/ijitee.H9186.0610821.
2. Shruti Dixit, Deepak Batham, R.P. Narwaria, "Elastic Optical Network: A Promising Solution for Future Communication Networks Considering Differentiated CoS",
3. 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",Sensors, vol. 21(11), 3576, pp. 1-15,May 2021.
4. Bhageerath Kaurav, Karuna Markam, Pooja Sahoo, "Modified Filter Equation with Improved Fuzzy Logic System Based Directional Median Filter for Mixed Noise", International Journal of Innovative Technology and Exploring Engineering (IJITEE).
5. Bhageerath Kaurav, Karuna Markam, Pooja Sahoo, "Analysis of Fuzzy Based Directional Median Filter with Mixed Noise", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 9,2021.
6. Vaishali Rajauria, P.K. Singhal, Pooja Sahoo, "Cone Shaped Multiband Antenna for Wireless Applications", International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 9,2021.

## EMINENT ALUMNI

### B.E. Electronics Engg.

S. No.	Name of Student	Year of Passing	Company Name
1.	Aditi Tomar	2021	LTI (L&T Infotech)
2.	Alok Kumar Singh	2021	LTI (L&T Infotech)
3.	Anushka Rajoriya	2021	LTI (L&T Infotech)
4.	Ayushi Agrawal	2021	LTI (L&T Infotech)
5.	Mansi Gupta	2021	LTI (L&T Infotech)
6.	Niraj Kumar Srivastava	2021	LTI (L&T Infotech)
7.	Palak Gupta	2021	LTI (L&T Infotech)
8.	Prashu Saxena	2021	LTI (L&T Infotech)
9.	Priyanshi Soni	2021	LTI (L&T Infotech)
10.	Sanil jain	2021	LTI (L&T Infotech)
11.	Shruti Gupta	2021	LTI (L&T Infotech)
12.	Soumya Singh	2021	LTI (L&T Infotech)
13.	Sparsh Ahmed	2021	LTI (L&T Infotech)
14.	Jyotirdev Singh Baghel	2021	LTI (L&T Infotech)
15.	Rajeev Kumar Mishra	2021	LTI (L&T Infotech)
16.	Aayushi Sharma	2021	Accenture
17.	Aishwarya Divyam	2021	Accenture
18.	Akshara Pandey	2021	Accenture
19.	Aranyani Sharma	2021	Accenture
20.	Ayushi Jain	2021	Accenture
21.	Ayushi Sikdar	2021	Accenture
22.	Deepika Sharma	2021	Accenture
23.	Divya Prakash Mishra	2021	Accenture
24.	Harshita Tiwary	2021	Accenture
25.	Jhanvi Malhotra	2021	Accenture
26.	Maruth Jain	2021	Accenture
27.	Pralanj Kamlesh	2021	Accenture
28.	Priyanshi Soni	2021	Accenture
29.	Shreya Gupta	2021	Accenture
30.	Shruti Gupta	2021	Accenture

31.	Soumya Singh	2021	Accenture
32.	Ayushi Sikdar	2021	Hexaware Technologies
33.	Kapil Sharma	2021	Hexaware Technologies
34.	Himanshi Bhargava	2021	Jaro Education
35.	Anupma Rathore	2021	Infosys
36.	Aranyani Sharma	2021	Infosys
37.	Himanshi Bhargava	2021	Infosys
38.	Kapil Sharma	2021	Infosys
39.	Mohitya Pratap Singh Parihar	2021	Infosys
40.	Nikhil Dulani	2021	Infosys
41.	Paras Sahu	2021	Infosys
42.	Pralanj Kamlesh	2021	Infosys
43.	Prashant Jain	2021	Infosys
44.	Saral Shrivastava	2021	Infosys
45.	Sherry Goyal	2021	Infosys
46.	Shivam khandelwal	2021	Infosys
47.	Tanisha Agrawal	2021	Infosys
48.	Varad Vardhan Gupta	2021	Infosys
49.	Vedant Sharma	2021	Infosys
50.	Anushi Tiwari	2021	Infosys
51.	Alok Kumar Singh	2021	TCS
52.	Anusha Jain	2021	TCS
53.	Ayushi Jain	2021	TCS
54.	Hemant Agrawal	2021	TCS
55.	Himanshi Bhargava	2021	TCS
56.	Kapil Sharma	2021	TCS
57.	Ketan Gupta	2021	TCS
58.	Niharika Jain	2021	TCS
59.	Nikhil Dulani	2021	TCS
60.	Paras Sahu	2021	TCS
61.	Praful Jain	2021	TCS
62.	Praveen Rana	2021	TCS
63.	Priyanshi Parauha	2021	TCS
64.	Sherry Goyal	2021	TCS
65.	Shivam khandelwal	2021	TCS
66.	Shreya Gupta	2021	TCS
67.	Soumya Shrivastava	2021	TCS
68.	Tanisha Agrawal	2021	TCS
69.	Amit Kushwah	2021	Dhoot Transmission Pvt. Ltd.
70.	Anshuma Rajput	2021	Dhoot Transmission Pvt. Ltd.
71.	Bhadauria Rohitsingh Sunil	2021	Dhoot Transmission Pvt. Ltd.
72.	Paras Jain	2021	Dhoot Transmission Pvt. Ltd.
73.	Priyanka Upadhyay	2021	Dhoot Transmission Pvt. Ltd.
74.	Ritika Banoriya	2021	Dhoot Transmission Pvt. Ltd.
75.	Shivam Sharma	2021	Dhoot Transmission Pvt. Ltd.
76.	Ujjawal Kumar Singh	2021	Dhoot Transmission Pvt. Ltd.
77.	Harsha Adlak	2021	Dhoot Transmission Pvt. Ltd.

## **B.E. ET Engg.**

<b>S. No.</b>	<b>Name of Student</b>	<b>Year of Passing</b>	<b>Company Name</b>
1.	Deepti Jain	2021	LTI (L&T Infotech)
2.	Kartik Sharma	2021	LTI (L&T Infotech)
3.	Pranshul Saxena	2021	LTI (L&T Infotech)
4.	Konark Gupta	2021	LTI (L&T Infotech)
5.	Megha Earekar	2021	LTI (L&T Infotech)
6.	Hartima Brijwani	2021	Accenture
7.	Megha Earekar	2021	Accenture
8.	Riya Shrivastava	2021	Accenture
9.	Shivam Sanghi	2021	Accenture
10.	Utkarsha Garg	2021	Accenture
11.	Aditi Arora	2021	Jaro Education
12.	Ayushi Shukla	2021	Jaro Education
13.	Abhishek Verma	2021	Infosys
14.	Aditi Arora	2021	Infosys
15.	Konark Gupta	2021	Infosys
16.	Abhishek Verma	2021	TCS
17.	Jagrati Dhingra	2021	TCS
18.	Pranav Mishra	2021	TCS
19.	Ranchi Chourasiya	2021	TCS
20.	Tejus Shukla	2021	TCS
21.	Ashutosh Raghav	2021	Dhoot Transmission Pvt. Ltd.
22.	Rishabh Sisodiya	2021	Dhoot Transmission Pvt. Ltd.
23.	Siddharth Singh Tomar	2021	Dhoot Transmission Pvt. Ltd.

## **TEAM NEWSLETTER**

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

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

**Technical Staff-Sujan Singh Jadon.**

**Editorial Team: Ms. Arpita Singhal.**

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