



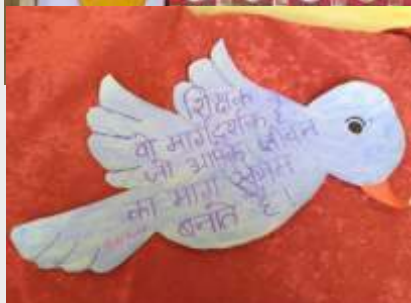
MANDSAUR  
UNIVERSITY  
MAKING FUTURE READY!

# muBUZZ

Vol. 2 | Issue 9

NEWSLETTER OF MANDSAUR UNIVERSITY

SEPTEMBER 2021



## Slogan Writing Activity on Teacher, Teaching and Education



MANDSAUR  
UNIVERSITY  
MAKING FUTURE READY!

66

## VISION

Harness the power of education to play a transformational role in the development of the nation. To nurture intellectual capital with a vision and purpose to create leaders of change.



99

66

## MISSION

Emerge as a leading centre of academic excellence, involving research and consultancy while adopting innovative strategies of industry integration to create value-driven, responsible and future-ready professionals, entrepreneurs and innovators.



99

66

## GOALS

To unleash full human potential by offering cutting-edge and comprehensive learning programs.

To promote a culture of innovation and contribute to the creation of new knowledge.

To create opportunities for industry - academia collaboration.

To facilitate industry readiness and knowledge application for effective contribution in the development of our nation.

To provide opportunities for entrepreneurship.



99

# OUR LEADERS



**SHRI NARENDRA  
NAHATA**

Chancellor  
Mandsaur University

Shri Narendra Nahata has been designated as the Chancellor of Mandsaur University. He was a Cabinet Minister for 10 years in the Government of Madhya Pradesh and held portfolios of Commerce and Industries, Technical Education and Manpower Planning, Rural Industries, Commercial Taxes and represented Manasa assembly constituency. He is credited to have transformed technical education of the state. He is the founder of BR Nahata Smriti Sansthan.

B.R. Nahata Smriti Sansthan has made Mandsaur its hometown, hub of professional education wherein more than 4000 students are studying.

It's his firm belief that education is one of the most crucial components of human resource development having potential for adding value to products and services, thereby improving the quality of life of people. The efforts so far have been very supportive for the recent phenomenal growth and the Socio-economic and Human Development of the nation.

He is also the founder of Smriti Nagrik Sahakari Bank, which is one of the best and biggest Urban Cooperative Banks of Madhya Pradesh.

A widely traveled person, having visited more than 20 countries. Narendra Nahata was invited by the British Government for higher education in UK. He was invited by the Government of Germany to study institutions run by them in countries of South Asia.

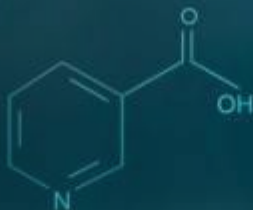


**MR. RAHUL NAHATA**

B.E., MBA, FLMI  
Executive Chairman  
Mandsaur University

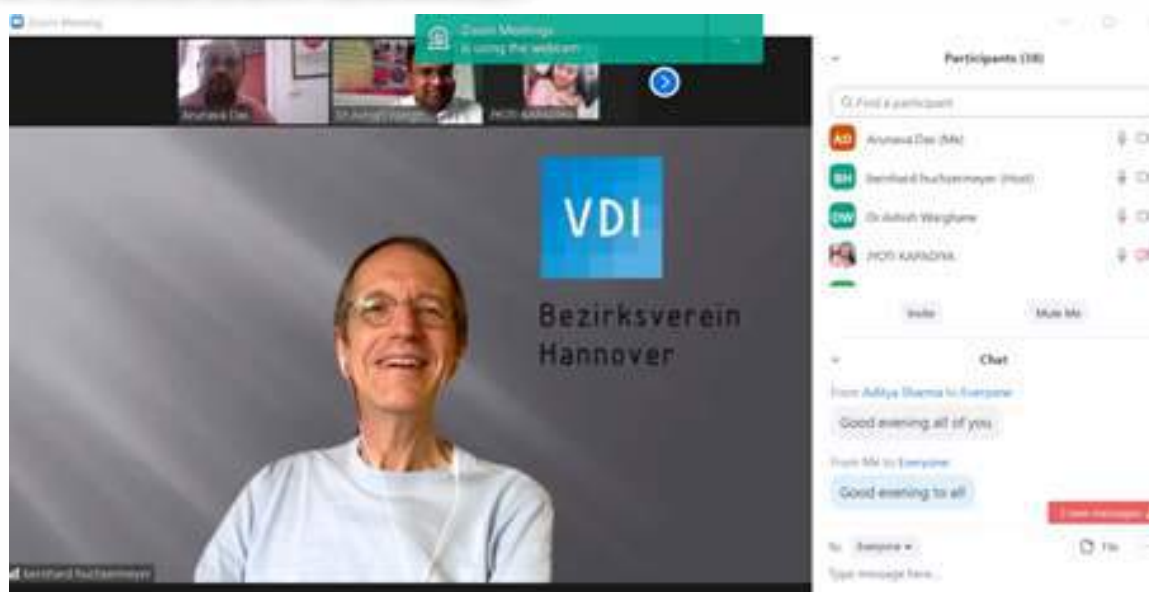
Mr. Rahul Nahata is a visionary and dynamic professional chieftain to serve as the Executive Chairman of Mandsaur University. He has a strategic vision and leadership quality for developing interdisciplinary education across the university. He received the United States of America Presidential award in 1992. He has a prior experience of working with renowned companies like Tata Consultancy Services and Vikram Ispat. He has stint with several organizations in various countries like U.S.A, Thailand, Hong Kong, Singapore and Germany.

He has an exemplary vision towards education to mould youngsters into Millennium Leaders not only in Technological and Scientific fields but also to nurture and strengthen the innate goodness and humane nature in them.



Faculty of  
***Life Sciences***

# FDP on Experimental Learning on various Practical Skills



The Faculty of Life Sciences, Mandsaur University organized an inauguration session for the Joint International Webinar Series on Paving the Way to a Sustainable Bio-Economy for the students and faculty members of Mandsaur University on 28 September 2021 at 5:00 pm in collaboration with The Biotechnology Chapter, VDI, Hannover, Germany. The webinar series is a part of the activities under the MOU collaboration between the Faculty of Life Sciences, Mandsaur University, and VDI, Germany.

Prof. (Dr.) Arunava Das, Dean & Head, Faculty of Life Sciences delivered the welcome and inaugural address followed by a presidential address by the Hon'ble Vice-Chancellor Mandsaur University Brig. (Dr.) Bharat Singh Rawat. The keynote speaker for the session was delivered by Prof. (Dr.) Bernhard Huchzermeyer, Professor Emeritus, Leibniz University, Hannover & Head, Biotechnology chapter, VDI, Hannover, Germany, who has more than 40 years of teaching and research experience in the field of Life Sciences and Plant Biotechnology. A total of 50 students, research scholars and faculty members attended the inaugural session. The inauguration session was concluded successfully with a vote of thanks by Mr. Yogendra K Verma, Assistant Professor, and Faculty of Life Sciences. Mandsaur University, Mandsaur, and VDI Hannover, Germany are working together in diverse disciplines like biotechnology, microbiology, agriculture, engineering, and many more areas in human welfare. The webinar series is comprised of seven lectures scheduled for three months and aims to highlight the key aspects of sustainable bio-economy for substantial environmental and socio-economic benefits. In addition to that the focus also will be on academic and research scholarships/fellowships, students exchange programs, and work opportunities in Germany. Overall this lecture series will provide an international platform for our students and faculty members to share ideas, knowledge, and an opportunity to interact with an eminent scientist cum academician in the field of circular bio-economics and Life Sciences.

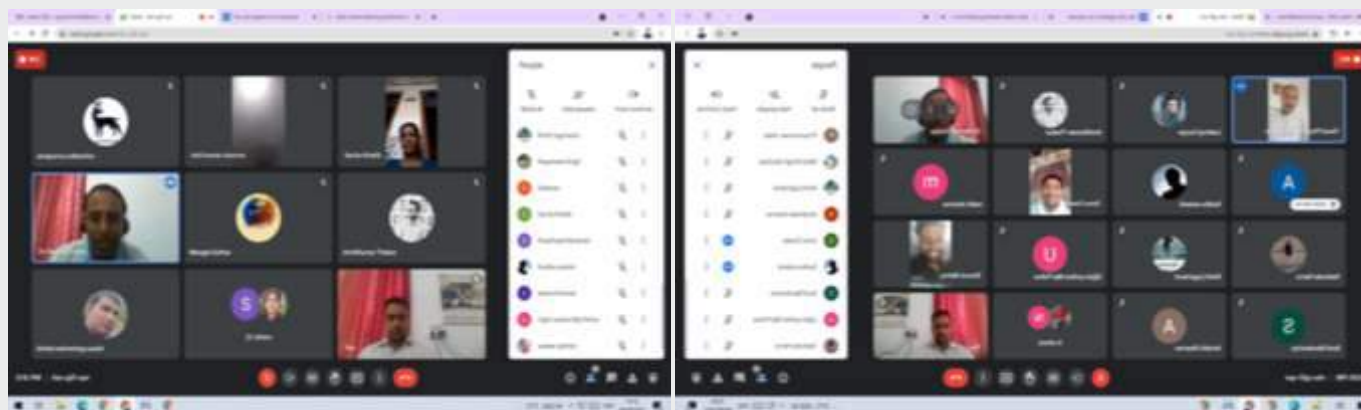


# *Department of* **Physical Education**

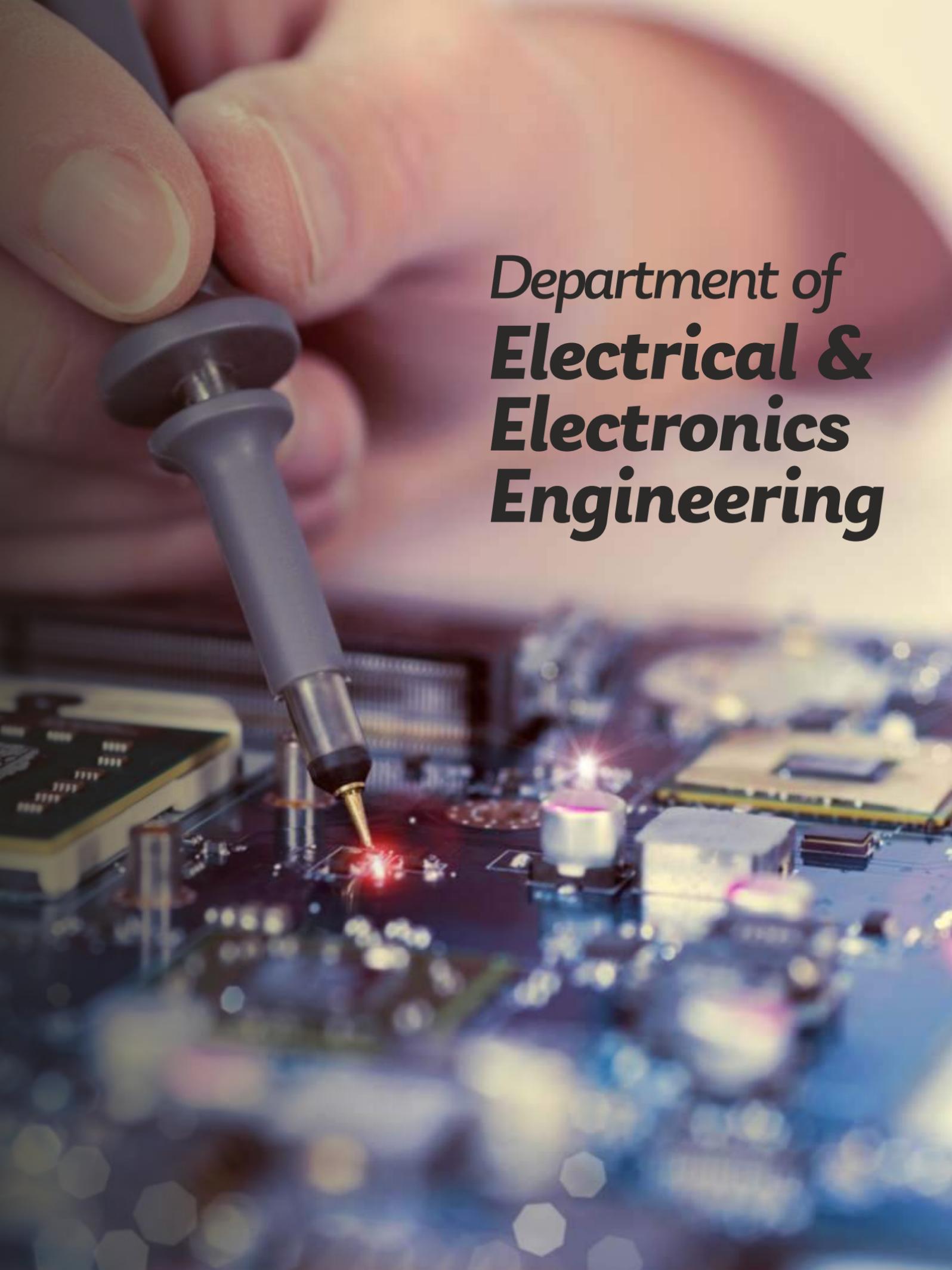




# Online Alumni Interaction



Alumni interaction was organized by the Department of Physical Education on 6th Sept. 2021 through Google meet for B.P.Ed passes out students. Dr. Shamshar Singh, H.O.D. of the Department of Physical Education, and Dr. Naresh Tuteja, Assistant Professor, Department of Physical Education was addressed as the guest speaker and career counselor. The session was started with the welcome address by Mr. Aayush Dirwadi, Assistant Professor, Department of Physical Education. Then, Dr. L. Shila Devi, Assistant Professor, Department of Physical Education, talked about job responsibilities as a Physical Education Teacher, opportunities in the field of Physical Education & Sports, Sports Management, Sports Psychology, Sports Counselor, Sports Photography, Sports Writer, etc. Then, Dr. Rohit Sharma, Associate Professor, Department of Physical Education, interacted with the alumni and invited all to visit the Physical Education department to share their experiences and future goals set. Dr. Naresh Tuteja also interacted with all the students and answered all crucial questions they raised in a very elaborative and informative way.

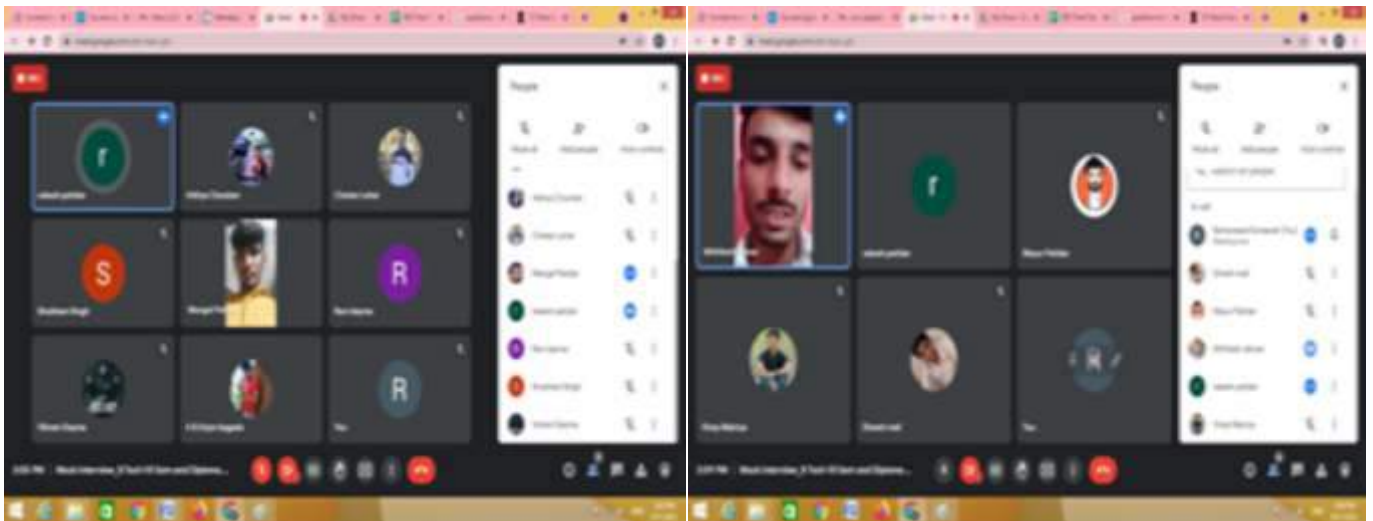
A close-up photograph of a hand holding a soldering iron, applying heat to a component on a printed circuit board (PCB). The soldering iron has a grey handle and a gold-colored tip. The PCB is populated with various electronic components, including a large integrated circuit (IC) on the left, a cylindrical component in the center, and several smaller components on the right. A magnifying glass is visible in the background, focusing on the work area. The image has a warm, slightly blurred aesthetic with bokeh light effects at the bottom.

*Department of*  
***Electrical &  
Electronics  
Engineering***

# Group discussion on Dealing with the Taliban: India's Strategy in Afghanistan after U.S. Withdrawal

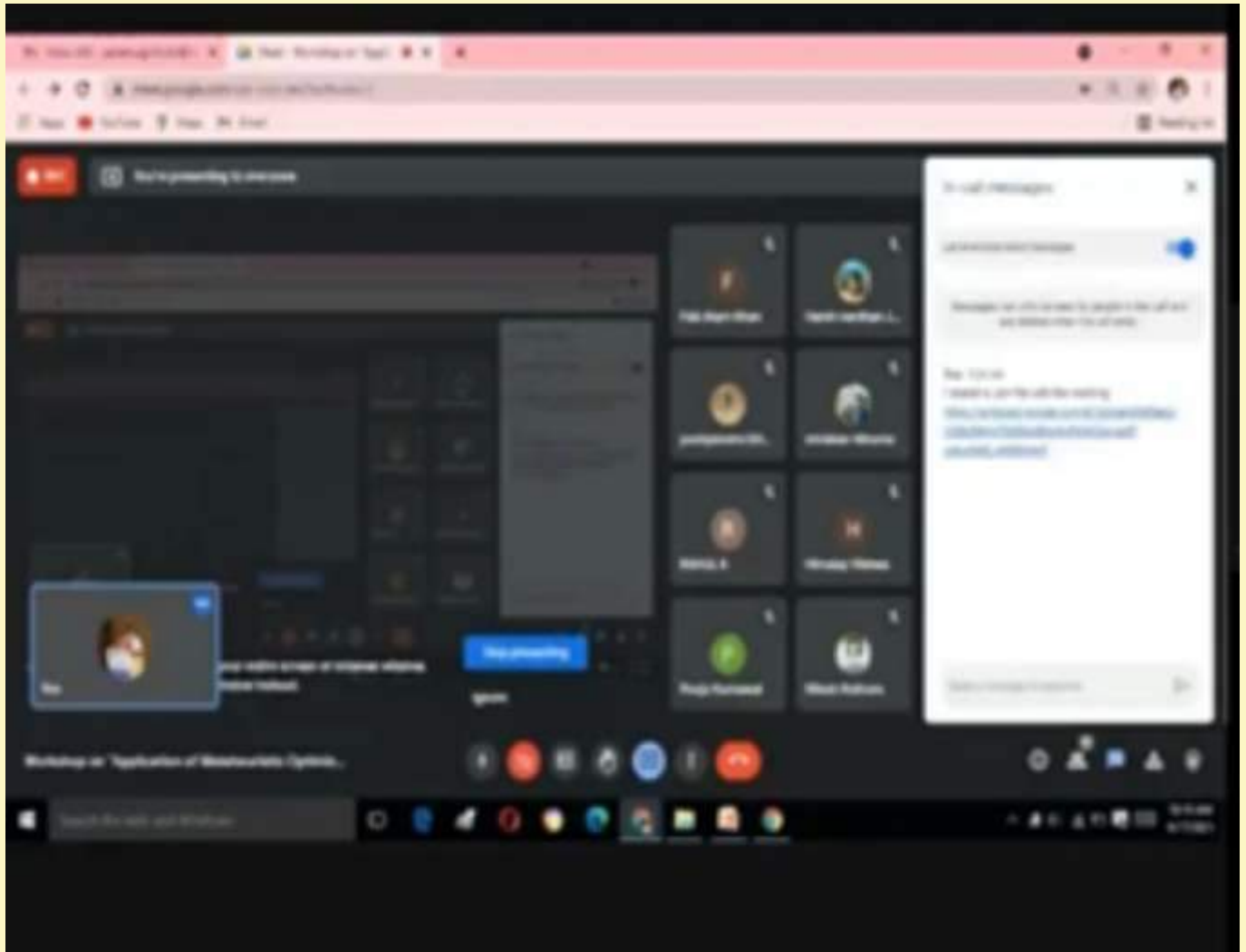
The Department of Electrical & Electronics Engineering, Mandsaur University (M.P.) has organized a group discussion on "Dealing with the Taliban: India's Strategy in Afghanistan after U.S. Withdrawal. Final year students of B.Tech and Diploma actively participated and presented their point of view on the topics as mentioned earlier. Various issues such as the democratic rights of the Afghan people, the Indian government's stands on the ongoing situation, and safeguarding India's interest in Afghanistan were discussed. The majority of participants believed that we should only be concerned about our interest in Afghanistan. Few participants thought that India should fight in favor of Afghanistan to drive out the Taliban and help the Afghan people re-establish the democratically elected government in Afghanistan. In this discussion role of the international community and the United Nations Security Council on the Afghan crisis were also discussed.

## Mock Interview-I



Department of Electrical and Electronics Engineering organized an activity, "Mock-Interview-I," for B. Tech & Diploma final year students on September 11, 2021, via online mode. The purpose of the Mock Interview activity is to allow students to practice their interview and resume writing under guidance. The mock interview questions are general interview-type questions along with technical questions to groom confidence. In addition, the students are given immediate verbal and written feedback from faculty members regarding their interview performance and their professional dress.

# Application of Metaheuristic Optimization Algorithm in Economic Load Dispatch

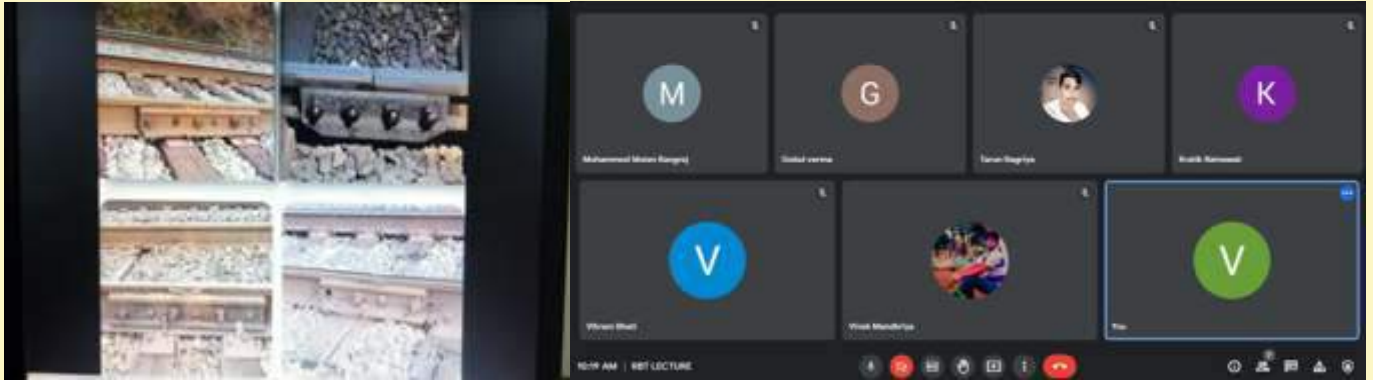


The Department of Electrical & Electronics Engineering, Mandsaur University (M.P.), has organized an online workshop on "Application of Metaheuristic Optimization Algorithm in Economic Load Dispatch." B.Tech student of V semester attended the workshop. The main aim of this workshop was to make students acquainted with Economic load dispatch and economic scheduling of thermal generator units. Economic load dispatch of two thermal generation units and their conventional methods such as the Lagrangian multiplier method was discussed in this workshop. Furthermore, to perform the Economic load dispatch of thermal generating units having more than two units, various optimization algorithms such as particle swarm optimization (PSO) and Equilibrium Optimizer were also discussed.

A construction worker wearing a white hard hat and a grey safety vest with reflective yellow-green stripes is holding a tablet. The tablet screen displays a Gantt chart with various colored bars representing project tasks and their durations. The worker's hands are visible, with the left hand pointing at the screen. The background is a blurred construction site with scaffolding and other workers in the distance.

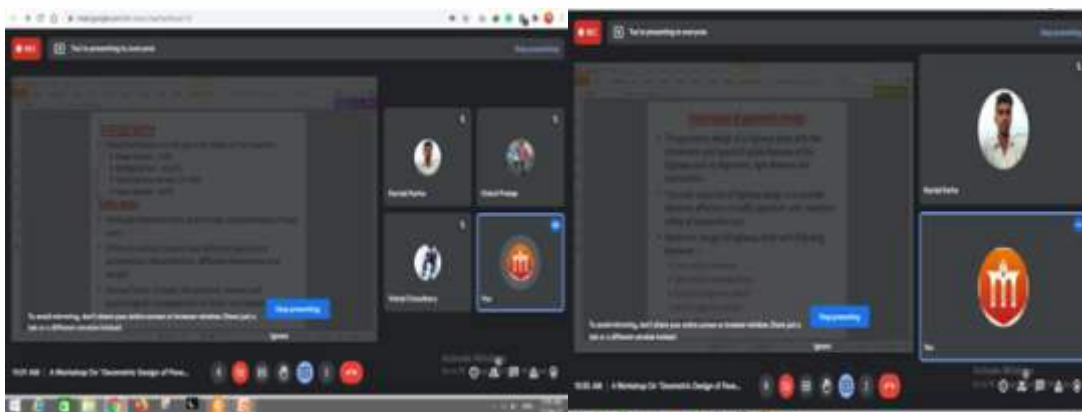
# *Department of **Civil Engineering***

# Railway fastening/ Track Fitting

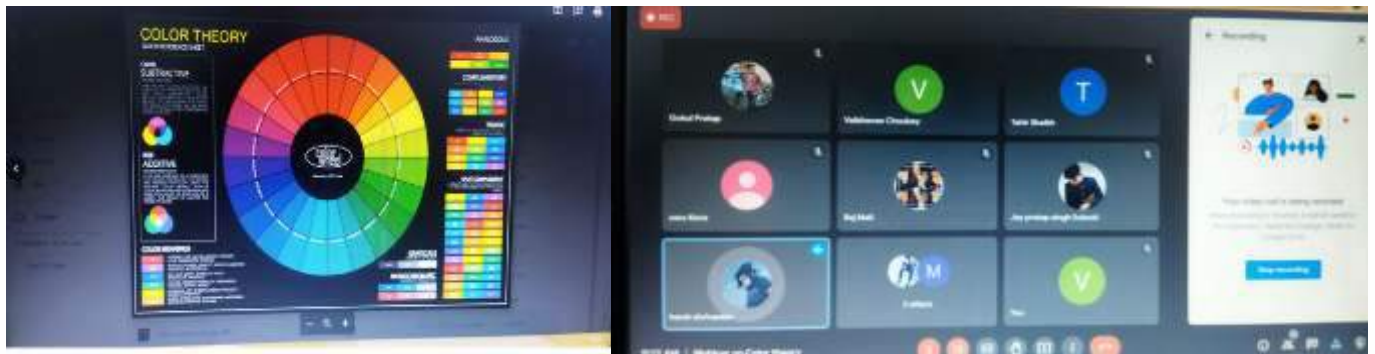


The Department of Civil Engineering has organized an interactive/webinar session on "Railway Fastening/Track Fitting" for B.Tech II & III semester students on September 9, 2021, from 10.00 am to 11.10 am. The activity has been executed online mode through the google meet platform due to the pandemic covid-19 situation. A total of 07/10 participants have joined the Railway Fastening/Track Fitting session virtually. The session's objective was to explain the function of the rail fastening system is to fix rails to railway sleeper or railroad ties. Any device used to secure running rails into chairs or base plates or directly to sleepers, bearers, or other rail supports. Rail fastenings keep rails fastened to sleepers (transfer of forces), provide a proper rail foot slope (1:20, 1:40) in the transverse plane, and prevent the rail from longitudinal movement, and damps noise and vibration coming from rails.

## An Online Workshop on Geometric Design of Pavement



Mandsaur University, Department of Civil Engineering, had organized an online workshop on "Geometric Design of Pavement" for Diploma 3rd year students conducted by Mr. Piyush Paliwal. The geometric design of the highway deals with the dimensions and layout of visible features of the highway. In this online workshop, students learned about various cross-sectional elements of the road, sight distance and its calculation, horizontal alignment, super-elevation, design, vertical alignment, and gradients.



# Webinar on Color Theory

Interior/Exterior/Planning/ Designing and Digital marketing works are highly in trend among the enthusiastic youth students. Keeping in mind, the Department of Civil Engineering has organized an interactive session on COLOR THEORY for Diploma II and III year students on 26th August 2021 from 11.00 am to 12.40 pm. Due to Covid 19 Pandemic situation, the workshop has executed online mode through the Google meet platform. A total of 12 participants have joined the Color Theory session virtually. The objective of the session was to explain the scope and opportunities in Interior/Exterior/Planning/ Designing and Digital marketing sectors.

Color theory is both the science and art of using color. It explains how humans perceive color; and the visual effects of how colors mix, match or contrast with each other. In color theory, colors are organized on a color wheel and grouped into 3 categories: .primary colors, secondary colors and tertiary colors. Humans see colors in light waves. Mixing light—or the additive color mixing model allows to create colors by mixing red, green and blue light sources of various intensities. The more light you add, the brighter the color mix becomes. If you mix all three colors of light, you get pure, white light. The students showed their great interest in this webinar and requested to do such webinars in future also.

# Guideline lay down by Bureau of Indian Standards for testing of building materials

Mandsaur University, Department of Civil Engineering has organized a faculty development Programme on “Guideline laid down by Bureau of Indian Standards for testing of building materials” for all faculties of Department of Civil Engineering from 20.09.21 to 22.03.21 (2 hrs per day). In this workshop Mr. Rajpal Singh Songara has demonstrated faculties about the procedure of performing test of building material as per BIS which are little differ from the procedure followed in routine test. The laboratories which are running in accordance with ISO/IEC-17025 follow the guidelines of BIS for the test procedure.





# Quality in Concrete construction from an insight view of a Civil Engineer

The quality of the concrete plays a vital role in the construction field as the concrete is an excessive element in any construction. Moreover, the strength parameter such as durability, load-bearing strength, and resistance to environmental factors such as wind, snow, and water depending on the concrete quality. In this regard, the Department of Civil Engineering conducted a workshop for Diploma II and III-year students on September 18, 2021. The workshop's objective was to highlight the importance of quality in construction industries from an insight view of a Civil Engineer's perspective at the job site.

### PROBLEMS WITH FRESH CONCRETE

1. Low Workability
2. Bleeding
3. Segregation
4. Slow Setting
5. Fast Setting



Workability



Segregation



Bleeding



Setting of concrete

### Checking of cement

#### Field Test

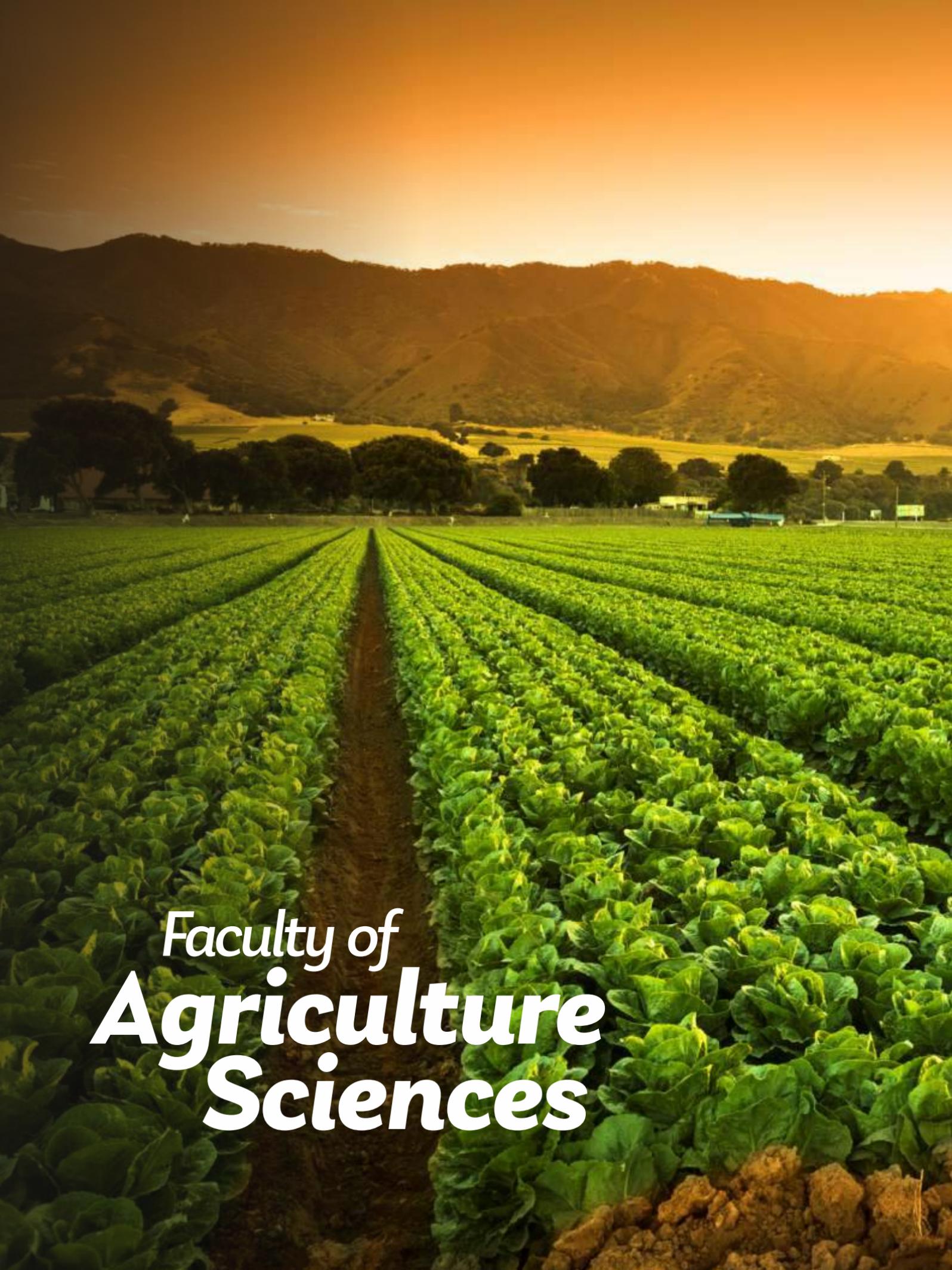
1. Smooth
2. Uniform grey color
3. Cement should sink in water not float
4. No air lumps




#### Laboratory Test

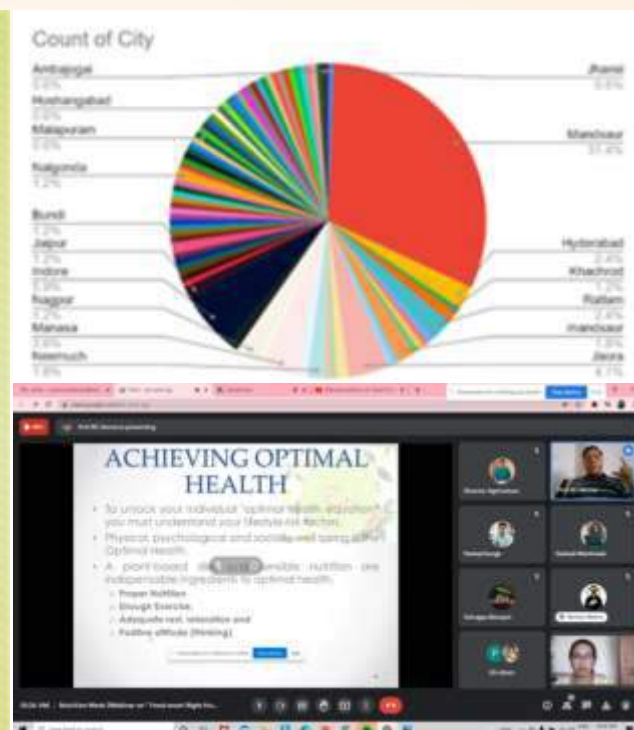
1. Fineness test
2. Sieve test
3. Air permeability test





*Faculty of*  
**Agriculture  
Sciences**

# Celebration of Nutrition Week-2021



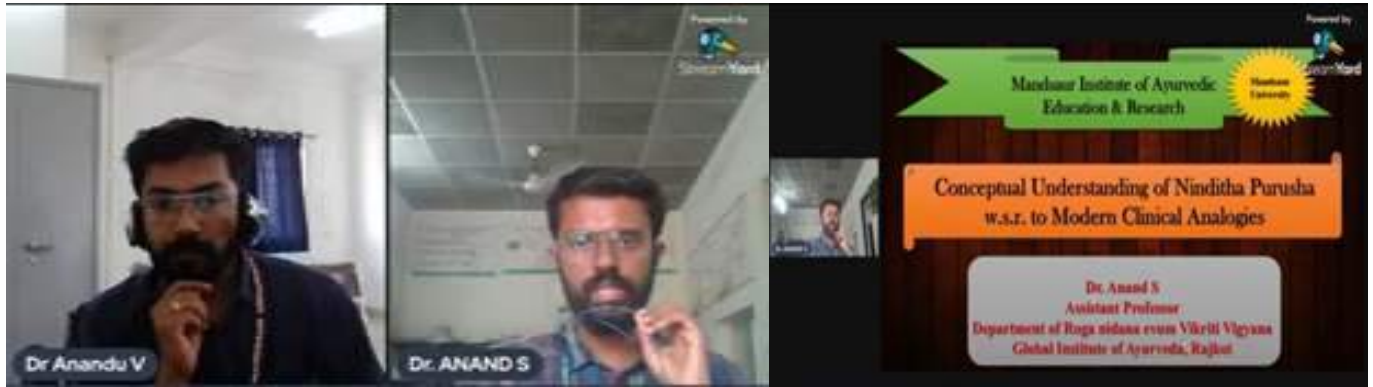
National Nutrition week 2021 was celebrated by the faculty of Agriculture sciences from 1st to September 7, 2021. In India, the National Nutrition Week is observed every September 1 to September 7 to raise public awareness about nutrition and healthy eating habits. The week is honored to make people understand the importance of nutritional and adaptive eating habits to maintain a healthy lifestyle. In addition to making society aware of nutrition, different events were organized for faculty members, students of the graduate degree program, and the school students.

Facilitators of making nutritional cookies were given to faculty members and some Faculty of Agriculture sciences students on September 1, 2021. In this activity, faculties were addressed by Dr. Vaishali Wankhade (Assistant Professor) for healthy ways of cooking food. She and Er Sushmita Mandal (Assistant Professor) and Dr. Mainu Hazarika (Assistant Professor) demonstrated the preparation of fenugreek fortified butter cookies in the laboratory of the food science and technology Professor). Faculties and

students attended the activity. All of them found it beneficial to learn the baking technology for healthy cooking. The theme of National Nutrition Week is "Feeding smart right from the start," one national webinar was conducted on September 4 on the platform Google meet and through live streaming on YouTube. The overall event was hosted by Dr. Vaishali Wankhade (Assistant Professor, Faculty of Agriculture Sciences); she welcomed the participants and guest speakers with gratefulness.



# Conceptual Understanding of Ninditha Purusha W.S.R. to Modern Clinical Analogies



The Department of Roga Nidana has organized a Webinar session on "Conceptual Understanding of Ninditha Purusha W.S.R. to Modern Clinical Analogies" on 14/09/2021 for the students and faculty members. Dr. Anandu V, Assistant Professor, Dept. of Roga Nidana Evum Vikriti Vijnana, introduced the Guest speaker Dr. Anand S.

During his presentation, Dr. Anand S explained the concept of Ashta Ninditha Purusha and its impact on modern clinical practice. He has beautifully presented the pathology behind Ninditha Purusha's clinical presentation, including its diagrammatic depiction. Also, he had briefed about the contemporary aspect of these Ninditha Purusha's and described their underlying pathology. The presentation had its soul commitment to the title and was easily understandable. The presenter concluded the webinar session by comparing Ashta Ninditha Purusha's condition with Doshabala Pravrutta Vyadhi, and Janmabala Pravrutta Vyadhi explained by Acharya Susruta.



Department of  
***Education***



# Slogan Writing Activity on Teacher, Teaching and Education

Department of Education has organized Notice Board Decoration through Slogan Writing Activity on topic "Teacher, Teaching and Education" a day prior to Teacher's Day, i.e., September 4, 2021. As we all know, September 5 is marked as the birth anniversary of Dr. Sarvapalli Radhakrishnan, and Teacher's Day is celebrated in commemoration of his birthday. This activity was organized on September 4, where students presented their slogans. This activity was organized to bring out their thoughts regarding Teacher's Day and to bring out their presentation skill by displaying them on Departmental Notice Board. This activity also aimed to enhance the team-building skills of the participants as they had to work in a team to express their creativity on Notice Board. This activity was organized under the guidance of Asst. Professor Mrs. Meeta Parikh.

Using the opening sentences, the students wrote captivating slogans on 'Teacher, Teaching and Education' and put the concerns and emotions in their expressions. The slogans were written on colored chart papers in an attractive manner and were given beautiful shapes too. In this activity, students had expressed their thoughts in the form of slogans in an artistic way on colorful charts, some of which are displayed on the departmental notice board. Students had participated with great enthusiasm and creatively expressed their thoughts. Slogans selected were relevant to the theme, and a beautiful color harmony was seen in their presentation. Slogans were written to make a positive impact and, when displayed, had given an attractive look. This activity was a result of creative production and teamwork. All the participants had given their efforts in the decoration of the Notice Board. However, drawing out winner up and runner ups seemed to deteriorate the actions of other team members. So place holders were not drawn in this activity. As a result, all the participants were given online certificates. Mr. Bharat Upadhyay gave a vote of Thanks. Head of the Department Dr. Aaradhna Sethi had motivated students for their active participation.

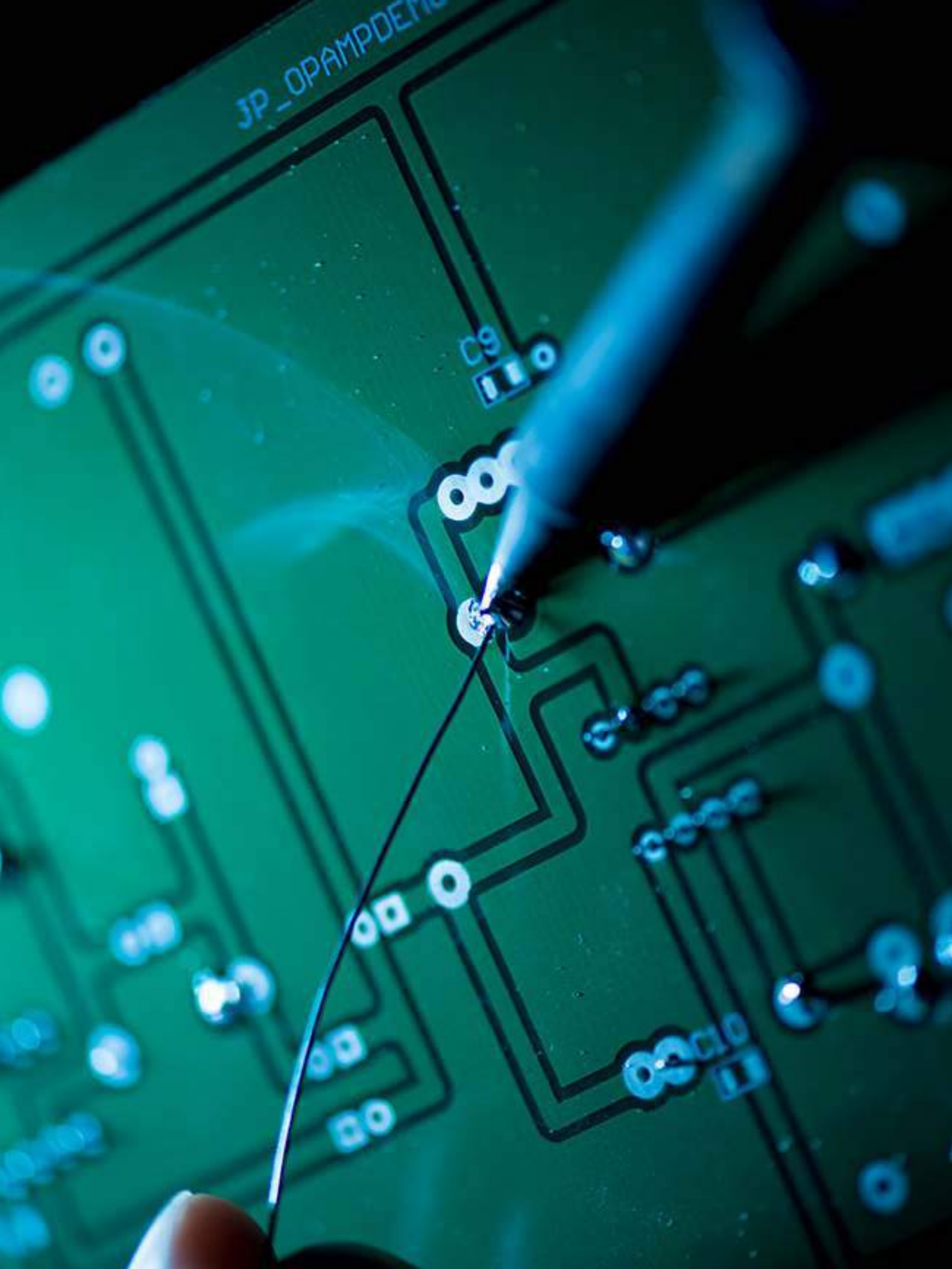




# Eco-Friendly Ganesha



Mandsaur Institute of Education organized a competition to make "Eco-Friendly Ganesha" on the auspicious occasion of Ganesh Chaturthi on Saturday, September 9 2021. 11 students participated in the competition. Students made beautiful handmade idols of eco-friendly Ganesha. In which Jaya Sisodia was first, and Nandani was second. Dr. Aradhana Sethi appreciated all the students' work, motivated the students for eco-friendly Ganesha, and encouraged all the students who participated in the competition. All the students made Ganesh idols out of clay with devotion, enthusiasm, and creativity. There was so much enthusiasm among the students that the whole atmosphere was transformed into Indian culture. Bharat Upadhyay was the convener of the program. In the end, Dr. Aradhana Sethi, H.O.D. appreciated the creative aspect of the students and motivated them for more such activities in the future. All the professors of the education department thanked the students while encouraging them.





MANDSAUR  
UNIVERSITY  
MAKING FUTURE READY!

[www.meu.edu.in](http://www.meu.edu.in)



Mhow-Neemuch Bypass, Rewas Dewda Road, S.H.-31, Mandsaur-458001 (M.P.), India  
Contact: +91 97521 22999, +91 94259 24111 | E-mail: [info@mandsauruniversity.edu.in](mailto:info@mandsauruniversity.edu.in)