



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR 474005 (M.P.)
(A Govt. Aided autonomous institute under RGPV, Bhopal)

Civil Engineering Department E- Newsletter APR-JUNE 2019



**Faculty/Staff Outreach Training Program/FDP
Attended/ Expert Talk Delivered**

Prof. A. K. Saxena, Prof. A. K. Dwivedi Prof. Gautam Bhadoriya Participated in one week AICTE Recognized Short Term Course on “Energy Efficient and Innovative Building Construction Practices” conducted by Civil Engineering Department from 10th June to 14th June 2019 at College of Technology and Engineering, Udaipur. Organized by National Institute of Technical Teachers Training & Research, Chandigarh.

Dr. S.K. Jain Successfully completed NPTEL - AICTE FDP 8 weeks course on "Hydration, Porosity & Strength of Cementitious Materials” and awarded in the top 1 % of toppers in April 2019.

Dr. S.K. Jain Successfully completed NPTEL - AICTE FDP 4 week’s course on "Advanced topics in the science & technology of concrete” and awarded the elite category certificate in April 2019.

Dr. Sanjay Tiwari Successfully completed NPTEL - AICTE FDP 4 weeks course on "Fuzzy logic and Neural Network” and awarded the elite + Silver category certificate in April 2019.

Dr. Sanjay Tiwari Successfully completed NPTEL - AICTE FDP 4 weeks course on "MATLAB programming for Numerical computation” and awarded the elite + Gold category certificate in April 2019.

Dr. Sanjay Tiwari Successfully completed NPTEL - AICTE FDP 4 weeks course on "Basics of Finite Element Analysis” and awarded the elite + Gold category certificate and secured position in Top 2% of toppers in April 2019.

Dr. Sanjay Tiwari Successfully completed NPTEL - AICTE FDP 4 weeks course on "Introduction to Research” and awarded the elite + Gold category certificate and secured position in Top 2% of toppers in April 2019.

Prof. Gautam Bhadoriya Successfully completed NPTEL - AICTE FDP 4 weeks course on "Electronic Waste Management – Issues & Challenges” and awarded the elite + Silver category certificate in April 2019.

Prof. Aditya Kumar Agarwal Successfully completed NPTEL - AICTE FDP 8 weeks course on "Natural Hazards Part - I" and awarded the elite category certificate in April 2019.

Prof. Nupur Verma Successfully completed NPTEL - AICTE FDP 4 weeks course on "Electronic Waste Management – Issues & Challenges” and awarded the elite + Gold category certificate in April 2019.

Prof. Pranjul Rajput, Prof. Gagan Mudgal Prof. Nishi Gangwar & Prof. Wajid Hussain Successfully completed NPTEL - AICTE FDP 4 weeks course on "Electronic Waste Management – Issues & Challenges” and awarded the elite + Silver category certificate in April 2019.

Prof. Shivendra Singh Kushwah Successfully completed NPTEL - AICTE FDP 8 weeks course on " Subsurface exploration: Importance and techniques involved” in April 2019.

Prof. Nupur Verma & Prof. Chetan Sharma participated in the TEQIP sponsored Short Term Course conducted by Discipline of Civil Engineering & Discipline of Biosciences and Biomedical Engineering, IIT Indore, on “Recent Advancements in Water Resources & Environment Engineering” from 22nd Apr to 27th Apr 2019.

Prof. Nupur Verma & Prof. Chetan Sharma has attended the workshop on “How to write collaborative Research Proposal” dated 30th Apr 2019 organized by State Project Implementation Unit, Madhya Pradesh.

Prof. Nupur Verma, Prof. Pratibha Singh, Prof. Shivam Gupta, Prof. Nishi Gangwar, Prof. Mohit Aggrawal, Prof. Chetan Sharma, Dr. Pankaj Kumar, Prof. Shashank Sharma & Prof. Almas Siddiqui has attended TEQIP Sponsored faculty Induction Program on “Advance Pedagogy and Digital Tool” dated 24th June to 28th June, 2019 at IIT Indore.

Prof. Nishi Gangwar & Prof. Almas Siddiqui has successfully completed the course on “Programming for Research Application Using MATLAB” organized by Discipline of Mechanical Engineering IIT, Indore dated 29th June to 01st July 2019.

Prof. Nupur Verma & Shyamveer Singh Chauhan is appreciated and awarded for their role as mentor for the

NPTEL Online Certification course offering Electronic Waste Management – Issues & Challenges. Jan- Apr 2019.

Research Proposal entitled “**Nonlinear Mechanics of Elasto-Flexible Cables using Placement Model**” has been approved under “**TEQIP Collaborative Research Scheme**” to the team of following Collaborators: **Dr. Pankaj Kumar, Dr. Sanjay Tiwari, Dr. S.K. Jain & Dr. Ritu Raj.**

Mr. M.L. Sahu & Mr. R. Pawse has attended One week Training programme on “**LAB PRACTICES**” under TEQIP-III dated 17th June to 22nd 2019.

Students Achievements

Sudhanshu tripathi & Swati singh Successfully completed NPTEL - AICTE FDP 4 weeks course on "Electronic Waste Management – Issues & Challenges" and awarded the elite + **Gold category** certificate in April 2019. And secured position in **Top 5%** of toppers.

Sanjeev Mishra, Aditi Prasad, Kunal Abhishek & Aditya Patel Successfully completed NPTEL - AICTE FDP 4 weeks course on "Electronic Waste Management – Issues & Challenges" and awarded the elite + **Gold category** certificate in April 2019.

Ramprakash Patel, Ankita Chouhan, Karan Singh, Sumit Kumar Shakya, Annapurna Verma Anand Kumar Patel, Ayushi Parashar, Singh Himanshi H.K., Abhishek Kurmi, Bhagwati Sharan, Nidhi Dhakad, & Sara Rawat Successfully completed NPTEL - AICTE FDP 4 weeks course on "Electronic Waste Management – Issues & Challenges" and awarded the elite + **Silver category** certificate in April 2019.

Mangal Singh, Vikash Gour, Sachin Singh & Gajendra Singh Successfully completed NPTEL - AICTE FDP 4 weeks course on "Electronic Waste Management – Issues & Challenges" and awarded the elite certificate in April 2019.

Jatin Navlani Successfully completed NPTEL - AICTE FDP 8 weeks course on "Soil Mechanics/ Geotechnical Engineering I" and awarded the elite + **Silver category** certificate in April 2019.

Ravi Prajapat & Neeraj Ahirwar Successfully completed NPTEL - AICTE FDP 8 weeks course on "Soil Mechanics/ Geotechnical Engineering I" and awarded the elite category in April 2019.

Juhi Gupta, Bharat Singh & Monika Rajouriya Successfully completed NPTEL - AICTE FDP 8 weeks course on "Soil Mechanics/ Geotechnical Engineering I" in April 2019.

Mayank Sharma Successfully completed NPTEL - AICTE FDP 8 weeks course on "Digital Land Surveying & Mapping" awarded the elite category in April 2019.

Manas Gupta & Deepesh Garg Successfully completed NPTEL - AICTE FDP 8 weeks course on "Digital Land Surveying & Mapping" in April 2019.

Monika Shakya & Paragdeep Tripathi Successfully completed NPTEL - AICTE FDP 8 weeks course on "Subsurface exploration: Importance and techniques involved" in April 2019.

Divyanshu Parauha Successfully completed NPTEL - AICTE FDP 12 weeks course on "Earth Sciences for Civil Engineering Part –I & II" and awarded the elite category certificate in April 2019.

Events/Activities Organized

A Motivational lecture delivered by **Mr. Chakravarti Das (Ex HR Manager, Wipro Infosys)** on ‘Life management’ on 03rd April, 2019. In this lecture Participants were addressed on life management skills and effective time management.



Celebration of **World Environment Day** by IWWA local center on 5th June 2019.

Summer Internship held during 30th May 2019 to 14th June 2019, three modules were run during the internship namely (i) Understanding of Building & Structural elements through Model Making. (ii) In house Testing of Engineering Materials. (iii) Use of Modern Surveying Techniques in Survey Works. Over 100 students were participated in the Internship programme.



Publications

Hemant Kushwah, Archana Tiwari, “Water Proofing of structures using additive bituminous solution”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue IV, April 2019.

Sohit Sharma, Archana Tiwari & Sunita sharma, “Experimental Study on use of bacteria in mortar”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue IV, April 2019.

Vikas Shukla, Dr. Sanjay Tiwari, “Improvement of Pavement Soil Sub grade using Cement Kiln Dust and Brick Kiln Dust”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue IV, April 2019.

Priyanka Mohile, Dr. Sanjay Tiwari, “Effect of Lime and Silica Fume on Expansive Soil Properties”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue IV, April 2019

Dheeresh Yadav, Prof Deepak Rastogi, “Assessment of Water Quality or River Yamuna at Agra”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue V, May 2019.

Akhilesh Singh, Prof Deepak Rastogi, “Study of Ground Water Characteristics in the Vicinity of the Yamuna River in Agra City”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue V, May 2019.

Shivam Upadhyay, Prof. Pratibha Singh, Dr. Manoj Trivedi, “Study of Flexible Pavement Layer Reinforced Geogrid with FEA”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue V, May 2019.

Kamal Sharma, Dr. M.K Trivedi “Risk Analysis In Highway Construction Projects Using Failure Mode & Department of Civil Engineering

Effect Analysis”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue VI, May 2019

Gaurav Jain, Sanjay Tiwari, “Improvement in engineering properties of expansive soil using Fly Ash and Brick Waste”, International Journal for Research in Applied Science & Engineering Technology, ISSN: 2321-9653; Volume 7 issue VI, May 2019

Editorial Team

Prof. A.K. Saxena

Prof. Wajid Hussain

Mr. Shyamveer Singh Chauhan