

# Samrat Ashok Technological Institute

(Engg. College) Vidisha (M.P.)

3<sup>rd</sup> Edition (2024)



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# E-Newsletter

Jul-Dec 2024



## CIVIL ENGINEERING DEPARTMENT

We shape our buildings, thereafter they shape us.

-Winston Churchill





## ***OUR VISSION***

***To be at the forefront in the field of Civil Engineering by contributing towards the service and development of the society.***

## ***OUR MISSION***

***To provide quality education and research facilities at an affordable price, so as to produce competent civil engineers with human values to develop quality civil engineering infrastructure for mankind.***



## From the HoD desk



Dear All,

It gives me immense pleasure to present the 3<sup>rd</sup> issue (July-December 2024) of our Department's newsletter as we step into the New Year. This publication celebrates the remarkable achievements and contributions of our community—faculty, students, and alumni alike over the past six months. As we enter 2025, let us remain focused on pushing boundaries, fostering collaboration, and inspiring the next generation of engineers. Together, we will continue to uphold our tradition of excellence, contributing to both national and global challenges with integrity and vision.

**Dr. Rajeev Jain**

## From The Editorial Desk –

### How can a civil engineer contribute to sustainable development?

Civil engineers can contribute to sustainable development by incorporating green practices, renewable energy integration, resilient designs, smart technologies, and collaborative efforts. This in turn will shape the world such that there will be a balance between human development and environmental preservation.

### The emerging technologies shaping the future of civil engineering

Some of the emerging technologies that are shaping the future of civil engineers are-

- 3D printing
- BIM (Building information modelling)
- IoT (Internet of Things)
- Augmented and Virtual Reality (AR/VR)
- Robotics and Drones

key sectors where civil engineers find employment

Some of the key sectors where civil engineers find employment may be as under-

#### A. Waste management companies

- Antony Waste Handling Cell Ltd
- Eco Recycling Ltd
- Urban Enviro Waste Management Ltd
- Gravita India Ltd
- Baheti Recycling Industries Ltd
- Nupur Recyclers Ltd

## **B. Utility companies**

- NTPC Limited.
- National Hydroelectric Power Corporation (NHPC)
- Rural Electrification Corporation (REC)
- North Eastern Electric Power Corporation (NEEPCO)
- Power Finance Corporation (PFC)
- Power Grid Corporation of India (POWER GRID)
- SJVN
- THDC India Limited

## **C. Railways companies**

- Indian Railway Catering and Tourism Corporation
- Rail Vikas Nigam Ltd. RVNL
- Ircon International Ltd
- Indian Railway Finance Corp Ltd
- Jupiter Wagons Ltd

## **D. Engineering firms**

- Larsen & Toubro (L&T)
- Tata Projects
- Shapoorji Pallonji
- Hindustan Construction Company (HCC)
- Gammon India
- Afcons Infrastructure
- NCC Limited
- GMR Group

### E. Construction companies

- Larsen & Toubro
- Reliance Infrastructure
- DLF
- Tata Projects Ltd
- Hindustan Construction Company (HCC)
- Essar Group
- Jay Pee Group
- GMR Infrastructure

Thousands of other career opportunities are available in urban development and smart cities projects.

Transportation engineering

Environmental engineering

Structural engineering

Town planning

Safety management

Construction manager


Civil engineers do not just take part in planning, designing, and executing of infrastructure but also take part in the maintenance of these structures by keeping a record of the condition and looking out for any wear and tear.

**Dr. Pramod Sharma,**

Prof.in Civil Engg.Deptt & Proctor

## ACHIEVEMENTS IN BRIEF-

1 One research project titled as “A realistic & awareness approach towards Soil structure Interaction problem by using manufactured sand, fly ash and Rubber tires waste materials” of Rs.1,55,550=00 is awarded to Dr.Rajeev Jain and Dr.Shubha Khatri from MPCST Bhopal.

**M.P. Council of Science & Technology**  
Vigyan Bhawan, Nehru Nagar, Bhopal - 462003  
Phone: 0755-2433154/62, Fax: 0755-2671600  
E-mail: [mpcstprojects@gmail.com](mailto:mpcstprojects@gmail.com)

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No. 294 /CST/R&D/Phy.&Eagg. and Pharmacy/2024-25 Dated 7/06/2024

**SANCTION ORDER**

To  
The Director,  
Samrat Ashok Technological Institute,  
Vidisha (M.P.).

Sub: R&D Project entitled "A Realistic & Awareness Approach towards Soil-structure Interaction Problem by using manufactured Sand, Fly ash and Rubber tires waste materials".

Ref: File No. A/RD/RP-2/375.

Project Investigator: Dr. Rajeev Jain, Professor & Head, Department of Civil Engineering, Samrat Ashok Technological Institute, Vidisha (M.P.).

Sanction of this Council is hereby accorded for Rs.1,55,550/- (Rupees One Lakh Fifty Five Thousand Five Hundred Fifty Only) for 1 year and 80% of first year grant of Rs. 1,24,440/- (Rupees One Lakh Twenty Four Thousand Four Hundred Forty) only may be released to The Director, Samrat Ashok Technological Institute, Vidisha (M.P.).

The head-wise break-up of the sanctioned amount is given below.

S.No.	Items	No. of Unit	Total (Amount in Rs.)
(A)	<b>Non-Recurring</b>		
01	Cubic Size Mould	09	80,550.00
02	Cylindrical Mould	09	
03	Beam Casting Mould	09	
(B)	<b>Recurring</b>		
01	Awareness Programme		20,000.00
02	Consumables		5,000.00
03	Travelling Expenses		10,000.00
04	Publication/Printing		5000.00
05	Other (please specify)		35,000.00
	<b>Total</b>		<b>1,55,550.00</b>

(Rupees One Lakh Fifty Five Thousand Five Hundred Fifty Only)

.2. A total of 08 students were awarded their M. Tech. degrees.

3. Faculties have published 15 Research Publications in peer-reviewed journals.

4.10 numbers of Testing & Consultancy projects from various government agencies and private organizations were carried out of a total I.R.G. 2.15 lacs.

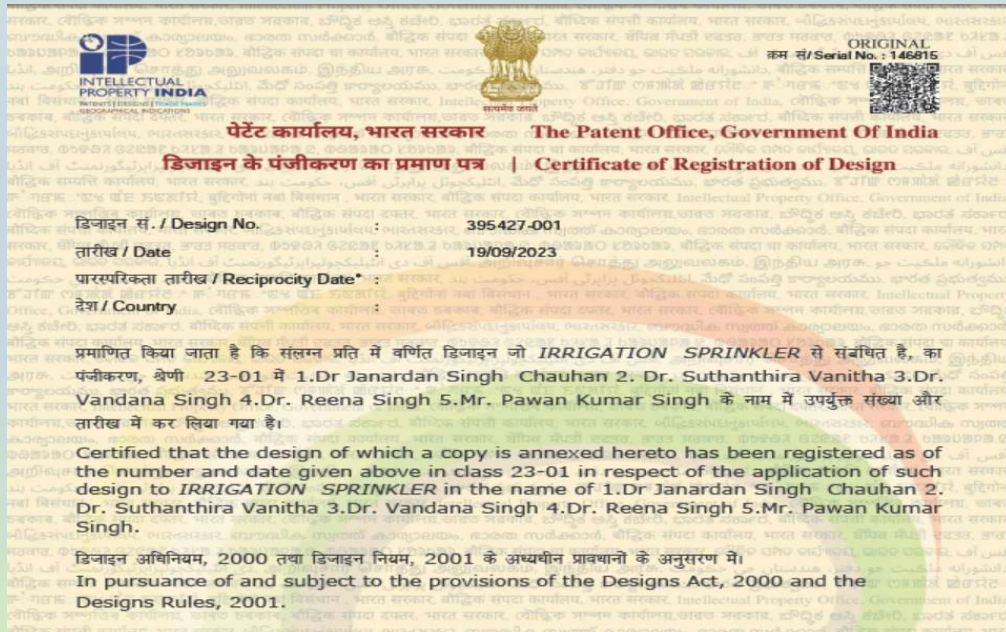
### **AWARDS AND RECOGNITIONS (FACULTY)**

1.Dr. J S Chauhan Sr. Professor of department had a highly productive meeting with Mr. Kim Jeong Kon, C. Director, and Team Head of the India-South Asia team at the Korea Institute for International Economic Policy (KIEP under the Prime Minister's Office, Korea), and Ms. Boram Lee, Senior Researcher at the Korea Housing Institute (KHI) and explored collaborative opportunities in research and shared insights on technological advancements. Exciting developments ahead! on 23 sept 24





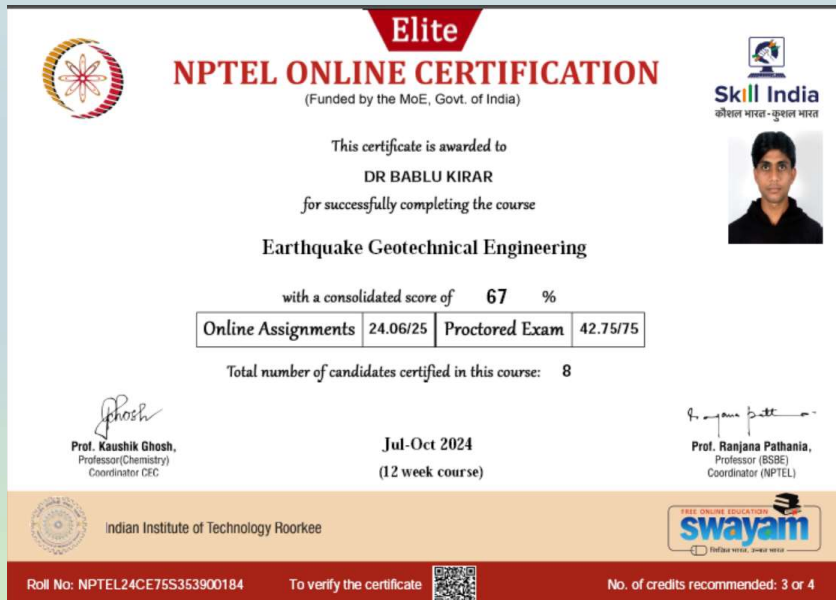
2. Dr. J S Chauhan Sr. Professor has filed one patent related to irrigation Sprinkler Design.



3. Dr. J. S. Chauhan has attended One Week OneTheme (OWOT) Programme for Civil Infrastructure and Engineering (CIE) on “EMPOWERING FUTURE INFRASTRUCTURE WITH INNOVATIVE TECHNOLOGIES & BRAND CONNECT” organized at CSIR-AMPRI, Bhopal on 5th & 6th September, 2024.



4. Dr Bablu Kirar has completed a 12 week NPTEL on line certification on Earthquake Geotechnical Engineering.



5. Dr.Bablu Kirar Assistant Professor has published a research paper in **Journal of Hydroinformatics Vol 26 No 8, 1929 doi: 10.2166/hydro.2024.065**

6. Dr.Bablu Kirar Assistant Professor has received a **Certificate of Appreciation** from NPTEL for being a discipline star





7. Dr. Rakesh Mehar Assistant Prof. has received the prestigious membership of **EDWIN GROUP OF JOURNAL**.



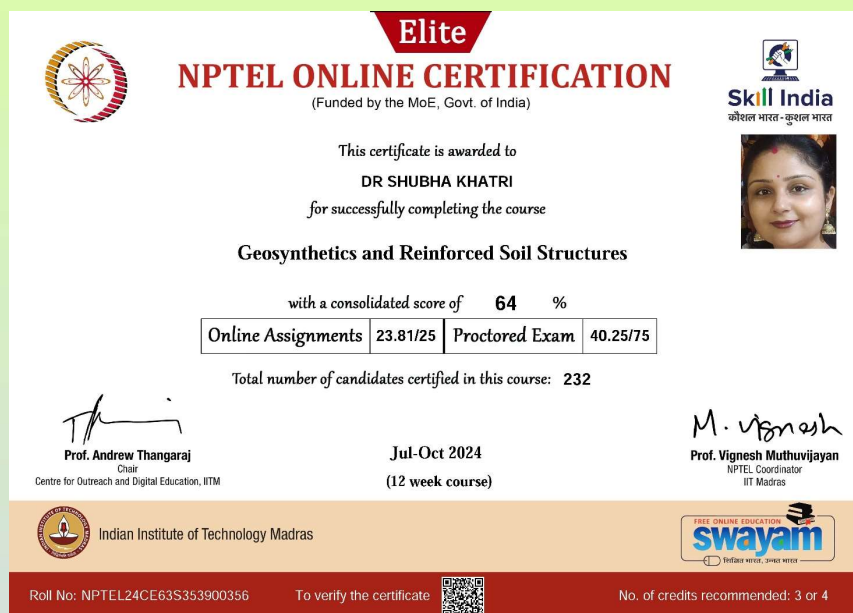
8. Dr. Rakesh Mehar undergone two-week Industrial training in three domains i.e. Construction materials testing/Geotechnical Testing/Transportation Materials testing organised by **Beacon Infralab India Pvt Ltd**. From 17-30 June 2024.



9. Dr. Rakesh Mehar has received a Certificate Of Appreciation from NPTEL for being recognized as NPTEL believer.



10. Dr. Shubha Khatri, Assistant Professor has successfully completed twelve week NPTEL Course on “Geosynthetics and reinforced Soil Structure







# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DR SHUBHA KHATRI**

for successfully completing the course

**Geosynthetics and Reinforced Soil Structures**

with a consolidated score of **64 %**

  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jul-Oct 2024)

Roll No: NPTEL24CE63S353900356

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16<sup>th</sup> Nov, 2023, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2023

**11. Mr. Satyam Wankhede Assistant professor has participated in training program on “forest hydrology in the changing climate” organised by Indian Institute of Forest Management (IIFM) Bhopal. on Nov 20-22 2024.**



## EVENTS:

### 1. Vishwakarma jayanti celebration on 17<sup>th</sup> Sept.2024



### 2. visit of 12<sup>th</sup> class students of Excellence school vidisha on 27<sup>th</sup> Sept. 2024





3. one-day Industrial Visit to Mandideep, Bhopal was arranged for Civil Engineering Students on 01/10/2024 the visit was organised under the guide line of **Bureau of Indian Standards Club (BIS) of department.**



4. A set of civil engineering text books is donated by an Alumini Mr. Somil Jain (2010 batch).on 04.10.2024



5. Department has conducted various activities like **Standard writing competition, Technical QUIZ Competition etc** under the banner of **BIS Standard Club (SCId-6806) of Civil Engineering** on December 9 2024.

