



TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

World Nature Conservation Day-2023 celebration" at Indian Water Works Association (IWWA), Nagpur Local Centre

July 20th: Department of Civil Engineering under ARTEX Forum in association IWWA Student's chapter organized a visit of its 2nd & 4th year students to the Nagpur Local Centre of Indian Water Works Association (IWWA) located near Shankar nagar Metro Station, Nagpur on 20.07.2023 between 7:00pm to 9:00pm. The purpose of this visit was to attend the expert lecture organized under Monthly Lecture Programme to celebrate "World Nature Conservation Day-2023". The Indian Water Works Association, Nagpur Centre celebrated World Nature Conservation Day-2023 at IWWA hall, Shankar Nagar, Nagpur. On this occasion Er. Subhash Deshpande, Former Secretary and Executive Director, Water Resources Department, Maharashtra and Dr. Kalpana Bhole, Former Executive Engineer, MJP Nagpur were the guest speakers. The topic of lecture delivery was "Integrated Water Resources Management-Mapping and Analysing the Maharashtra's Most Critical Resources". Er. N. M. Bangre, Chairman of IWWA Nagpur Centre welcomed the guests. Dr. O. N. Mukherjee, Vice Chairman introduced Dr. Deshpande & Dr. Bhole.

In his lecture, Dr. Deshpande explained that presently the subject 'water' is included in List-II which is the 'State list' while preferably it should be in List-I which is 'Central list' or at least in List-III that is 'Concurrent list' so that inter-state projects held up for want of amicable solutions will be resolved quickly. He also emphasized need of crop diversification, efforts to reduce transition losses in canal, reduction in NRW of WSS, construction of reservoirs exclusively for industrial use at the sites which are not in cost-benefit ratio of Irrigation department.

Dr. Bhole informed that 46 sub basins and 5 basins of Maharashtra state are dealt at length for distribution amongst stakeholders who, by using the data and results of analysis, can take decisions of maximizing economic and social welfare of the state. She also emphasized that for administration of the state, river basin/sub-basin should be adopted as the unit for planning, development and management of water resources.

Around 65 members and student members graced the occasion. Prominent among those present were Dr. Rajesh Gupta, Dr. Virendra Dehadrai, Dr. P.



TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

K. Jain, Dr. Chandewar, Dr. Asutkar, S. S. Daifode to name a few. Dr. Isha Khedikar, Joint Secretary of IWWA Nagpur Centre along with Mr. Harish S R, VNIT student member coordinated the programme and proposed the vote of thanks.

The benefit of this lecture conducted on 20.07.2023 from 7:00pm to 9:00pm was taken by 12 students and 1 faculty member from the Department of Civil Engineering, TGPCET. Prof. Mohitsingh Katoch, Faculty Advisor of IWWA Student's Chapter coordinated the entire visit.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

Site visit at Bhandewadi Sewage Treatment Plant

August 14th: 3rd and 4th year Civil Engineering Department of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur Organized site visit for 5th and 7th semester Civil Engineering student on dated 14th August 2023 at Bhandewadi Sewage Treatment Plant Nagpur. The visit provides students with practical learning opportunities and bridge the gap between theoretical knowledge and real-world implementation. Students observed the equipment and processes used in sewage treatment, gaining insights into techniques used. They also develop an understanding of the plant layout, infrastructure, and the interplay of components to ensure a continuous supply of treated water. Furthermore, students have the chance to network with professionals in the sewage treatment industry, seek guidance, and explore potential

career paths in water engineering and environmental management. Overall, the site visit enhances understanding of sewage treatment processes and provides valuable exposure to practical applications in the field of water engineering. Dr. Mohan Gaikwad-Patil, Chairman GPG, Prof. Sandeep Gaikwad, Treasurer, GPGI, Dr. Premanand Naktode, Principal, Prof. Pragati Patil, Vice-Principal and Prof. Anup Gade, Dean (Academics) appreciated the faculty members for their efforts and congratulated the students for active participation in this Site visit. Efforts taken by Prof. Aasif Baig, Head of Civil Engineering Department, Prof. Divyani Harpal, Prof. Md. Rassol, Prof. Amey Khedikar, Prof. Sanjay Bhadke, Prof. Priyanka Petkar, Prof. Nayana Sangole, Prof. Gaytri Badole Prof. Chetna Raut proved instrumental.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

One Day Bamboo Workshop

August 18th: Tulsiramji Gaikwad Patil College of Architecture and Tulsiramji Gaikwad Patil college of Engineering and Technology in association with Bamboo Society of India, Vidharbha Chapter ,(Maharashtra Chapter) was organised one Day BAMBOO Workshop and learning activities for B. Arch, B. Tech (Civil Engineering) students and faculty on dated 18th August 2023 at Dr. M. Visveswaraya Hall (B-108), Civil Engineering Department, Mohgaon, Nagpur.

Students learned from this workshop-

1. Advantages of bamboo as a construction material and architectural Field.

2. Properties of Bamboo like Sustainability, Strength, Flexibility and also easy to work.

3. Moisture content Calculation of Bamboo

4. Uses of Bamboo in Variety of ways like Structural framing, Roofing, Walling, and Scaffolding.

We encourage and appreciate Ar. Mahesh Mokha (Co-convenor), Ar. Pradyumna Sahashrabhojane & Ar. Ashish Nagpurkar for organizing one day Bamboo Workshop for the students and faculty.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

Induction Program for 2nd Year Students

B.Tech Civil Engineering

September 11th-12th: Civil Engineering Department of Tulsiramji Gaikwad Patil College of Engineering, Nagpur has organized one-Day Induction Program for 2nd Year B. Tech Students (Autonomous).

In order to make students familiar about the department, it has been planned to give them details of the department through PPT presentation and Departmental Laboratory visits. This will

make them comfortable in the department and better understanding of the department. During the program, achievements of department, faculty domain, resources in department, 3rd semester syllabus and schemes, scoring patterns of Autonomy, Academic guidelines will be discussed. Moreover, doubts related to career opportunities, research and development projects, case studies will be discussed.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

Site Visit: CSIR-NEERI campus, Nagpur on the occasion of 82nd CSIR Foundation Day

October 04th: Civil Engineering Department of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur (An Autonomous Institute), on the occasion of 82nd CSIR Foundation Day, 04th October 2023 (Wednesday); organized an educational Site visit to CSIR-NEERI campus, Nagpur.

Following Divisions (including Labs) were visited:

Medicinal Garden, Cleaner Technology & Modelling division, Air Pollution Control division, Energy & Resource Management division, Technology Park (Waste Water Technology division), Water Technology & Management division, Environmental Virology Cell, Sophisticated Environmental Analytical Facility, Environmental Impact & Sustainability division, Health & Toxicity Cell, Environmental Biotechnology & Genomics division, Harit Sangrahalaya.

Senior scientists from these divisions like Dr. K.V. George, Ms. Megha, Mr. Diwakar, Mr. Mohammad Danish & others enlightened the students about various low-cost, eco-friendly, past

and ongoing projects of CSIR-NEERI. They also explained in detail about the working principles and careful handling of State-of-the-art lab equipment. The knowledge gained at the Medicinal Plant Garden was something new for the students.

Total 143 students of 3rd, 5th and 7th semester Civil Engineering took advantage of this informative visit which was successfully coordinated by Prof. Mohitsingh Katoch and Prof. Chetna Raut with support staff member Mr. Swapnil Mankar. This visit at the end concluded with a speech of Dr. Atul Vaidya, Director CSIR-NEERI and a Nukkad Natak on occasion of Vigilance Awareness Week.

Dr. Mohan Gaikwad-Patil, Chairman GPG, Mr. Akash Gaikwad, Vice-Chairman GPG, Dr. Sandeep Gaikwad, Treasurer, GPGI, Dr. P. L. Naktode, Principal, and Prof. Pragati Patil, Vice-Principal appreciated the faculty members for their efforts and congratulated the students for active participation in this Site visit. Efforts taken by Dr. Aasif Baig, Head of Civil Engineering Department, Dr. Amey Khedekar, Prof. Sanjay Bhadke, Prof. Mohitsingh Katoch, Prof. Priyanka Petkar, Prof. Divyani Harpal, Prof. Chetna Raut, Prof. Nayana Sangole and Prof. Gayatri Badole



TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

proved instrumental.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

ARTEX forum Reinstallation, ICI student chapter establishment, Felicitation of Toppers

October 21th: Department of Civil Engineering in association with Indian Water Works Association (IWWA) Nagpur Centre organized ARTEX forum Reinstallation, ICI student chapter establishment, Felicitation of Toppers and a Guest Lecture. Dr. H. D. Chandewar, Chairman ICI Nagpur Centre was the Chief Guest and Er. Manoj Kawalkar, Structural Designer Nagpur, Er. Bhagwat Patil, Senior Civil Engineering Nagpur and Dr. Ranjeet Patil Head CED of Bhagwati Priyadarshni College Nagpur was the Guest of Honour for this event.

The event started with the welcome of the Chief Guest Dr. H. D. Chandewar, Chairman ICI Nagpur Centre and Guest of Honour Er. Manoj Kawalkar, Structural Designer Nagpur, Er. Bhagwat Patil, Senior Civil Engineering Nagpur and Dr. Ranjeet Patil Head CED of Bhagwati

Priyadarshni College Nagpur by the hands of Mr. Mahesh Naktode, Ms. Juhi Ramteke, Mr. Vijay Rathod and Mr. Samyak Bansod. Opening remark was given by Dr. Aasif Baig, Head of Civil Engineering Department. Forum badges were distributed to the elected members of the ARTEX Student forum body by the hands of the dignitaries. Student president of the ARTEX Forum Mr. Mahesh Naktode gave his presidential speech. Felicitation of University and autonomous exam topper students was followed by Establishment of Indian Concrete Institute (ICI) Student Chapter by the hands of Chief Guest and Guest of Honour. After this the Chief Guest and Guest of Honour addressed the gathering. Dr. H. D. Chandewar gave a lecture on topic “A case study- Dam Construction”.



TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter 2023-24





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

"Awareness Program Metro Samwaad"

October 27th: Department of Civil Engineering has successfully arranged Awareness Program on "Metro Samwaad" by Mr. Mahesh Moroney, Sr. DGM Maha Metro Nagpur with Mr. S. G Rao, Deputy General Manager Maha Metro Nagpur, Ms. Nupur Dhole, Assistant Manager Maha Metro Nagpur, Ms. Prerna Pandey, Assistant Office for TGPCET students on 27th October, 2023.

Mr. Mahesh Moroney, Sr. DGM Maha Metro Nagpur has conducted awareness program on "Metro Samwad, for Tulsiramji Gaikwad Patil College of Engineering and Technology, Nagpur students. He has delivered an interesting lecture on

Transportation facilities provided by Maha Metro for students. He has also discussed for other felicities which will provide after some days specially for TGPCET students. Also about awareness amongst the people, Maha Metro conducts Customer Outreach Programs/ Metro Samwads wherein a detailed presentation is given about various facilities being provided by Maha Metro. As Nagpur Metro is a torch bearer of the green Metro initiatives, the citizens of Nagpur are requested to come forward to make the transport system successful which is aimed at bringing overall sustainability for Nagpur City.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

Expert Lecture: Building Information Modeling (BIM)

October 31st : Department of Civil Engineering under ARTEX Forum in association with IEI, ISTE and ICI have organized an Expert Lecture Building Information Modeling (BIM) delivered by Ms. Anjali Khote, Software Trainer and Design Engineer at Astral Informatics Pvt Ltd.

Ms. Anjali Khote, Software Trainer and Design Engineer at Astral Informatics Pvt Ltd, Nagpur delivered a detail lecture on Building Information Modeling (BIM) Techniques. She gave lecture about how BIM is used to create a virtual version of a building or real estate project to enable the various stakeholders to collaborate effectively.

The various jobs - architects, engineers, entrepreneurs and others - can coordinate their efforts and communicate in real time through BIM. A true digital twin, the Building Information Model aims to support the real estate project from its creation to its destruction. In practical terms, a BIM is most often presented in the form of software to model the real estate project in two and three dimensions. Different stakeholders have access to the BIM and can navigate the building to experiment or verify certain ideas. He also addresses the job opportunities for the under graduate students in the field of BIM techniques.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter 2023-24

Parents Teacher Conclave (PTC)

November 25th : Department of Civil Engineering organized Departmental Parents Teacher Conclave (PTC) on 25-11-2023 to discuss about Department activities, student progress and performance. The parents interacted with HoD and Teaching staff of the department and discussed many issues related to curricular and extra- curricular activities.

The Parent Teacher Conclave for Civil Engineering students of 3rd semester (Autonomous) and 5th semester (Autonomous) was scheduled on 25-11-2023 (Saturday) to discuss about Department activities, student progress and performance. The meeting was conducted at Sir Dr. M. Visvesvarya Hall (B-108) from 12.00 PM onwards. Meeting started with welcome of parents followed by departmental

presentation, address by Prof. Divyani Harpal, Parents interaction with faculty of individual course and Vote of Thanks.

The meeting was held in order to discuss the performance of students with their parents. Also, feedback regarding their studies, health and performance was discussed with their parents. In this meeting the course coordinators and parents discussed about the area through which they can improve their wards for the better results. The progress report i.e marks of recently completed CT-1 Examination were shown to them and the teachers had noted the suggestions given by parents. The PTC came to an end with the conclusion that the progress of the students depends on the joint effort, mutual understanding & co-operation of parents and faculties.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

“Commercial Building Construction Site Visit”

December 16th : Department of Civil Engineering under ARTEX Forum in association with Indian Concrete Institute (ICI), Institution of Engineers (India) and Indian Student Technical Education (ISTE) have organized **One Day Site Visit** to “Commercial Building Construction Site” for 3rd & 5th semester Autonomous Civil Engineering students on dated 16th December 2023..

Civil Engineering Department of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur Organized One Days Site Visit on “Commercial Building Construction Site” for 3rd & 5th semester Autonomous Civil Engineering students on dated 16th December 2023 at Commercial Building Construction site Nagpur. Students

learn about RCC Construction on Commercial building and Took Advantage of the site visit the purpose of the student Explore and identify the Various types of building materials and technology in construction site and allow students to have better understanding about the construction process. For this site visit we are required to study on RCC Beams, Columns and slabs. How to construct such a framework and what are the materials involved in construction or Site Visit students were divided into groups (30 students per group) and each group performed the task to use in the ground of Commercial Building Construction site Nagpur.





TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institute Affiliated to RTM Nagpur University)



Department of Civil Engineering

News Letter

2023-24

“Site visit at Ambhora Bridge, Kuhi (MH)”

October 31st : Department of Civil Engineering under ARTEX Forum in association with Indian Engineering Institution (IEI), Indian Water Works Association (IWWA), Indian Concrete Institute (ICI) and Indian Student Technical Education (ISTE) have organized Site visit for 6th and 8th semester Civil Engineering student on date 15th January 2024 at Ambhora Bridge, Kuhi.

Civil Engineering Department of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur organized site visit for 6th and 8th semester Civil Engineering students on dated 15th January 2024 at Ambhora Bridge, Kuhi. The visit provided students with practical learning opportunities and bridge the gap between theoretical knowledge and real-world

implementation. Students observed the equipment and design process used in construction of Cable Stayed Bridge, gaining insights into techniques used. They also developed an understanding of the design and construction aspects of bridge along with stages construction analysis. Furthermore, students had the chance to network with professionals in the Bridge Engineering, seek guidance, and explore potential career paths in bridge engineering and construction management. Overall, the site visit enhanced understanding of Cable stayed bridge construction processes and provided valuable exposure to practical applications in the field of Bridge engineering and Construction engineering management.

