



**Department of Civil Engineering**  
**Activities/Seminars/Visits**

## Table of Contents

Farewell Party 2024 .....	3
Geo-spatial Technologies for Water Resources Management .....	5
Industrial Visit to DLF Downtown Gurgaon .....	7
Alumni interaction with Mr. Vishal .....	9
Martyr’s Day (Shaheed Diwas).....	11
Under Construction Water Reservoir at Nizampur, Narnaul, and Artificial Water Reservoir at Ranghunathpura, Narnaul .....	14
Alumni interaction with Mr. Ashwani .....	16
Pavement Maintenance & Rehabilitation.....	18
Industry Expectations from Freshers .....	20
Visit to Bhakra Dam & Ganguwal Power House.....	22
Water and Waste Expo.....	24
Expo visit to Bauma Construction Equipment.....	25
Geological Visit to Dhosi Hills, Narnaul, Haryana.....	27

29-April-2024

## REPORT

ON

### Farewell Party 2024

On April 29, 2024, the 6th-semester civil engineering students hosted a farewell party for the graduating class in Room No. 406 of the Engineering Building. The event, attended by faculty and students, featured speeches by department heads and notable faculty, performances by juniors, and interactive sessions that facilitated bonding and networking.



Highlights included cultural showcases, engineering-themed games, and the distribution of mementos to the graduates, celebrating their achievements and wishing them well in their future endeavours. The evening concluded with positive feedback, reflecting the event's success in fostering community spirit and lasting memories.



**08-April-2024**

## WEBINAR REPORT

ON

### Geo-spatial Technologies for Water Resources Management

The Department of Civil Engineering, in collaboration with the Department of Training & Placement, recently organized a webinar titled "Geo-spatial Technologies for Water Resources Management." This online session aimed to delve into the applications of geo-spatial technologies in addressing the complexities of water resources management. Dr. Arabinda Sharma, an Associate Professor at the School of Earth and Environmental Science, Gangadhar Meher University, Sambalpur, Odisha, served as the distinguished speaker, bringing his expertise in geo-spatial technologies and environmental science to the discussion.



The graphic is a promotional poster for a webinar. It features a dark blue background with a white central area. At the top left, there is the RPS Group of Institutions logo, which includes the text 'RPS GROUP OF INSTITUTIONS' and 'Under the aegis of RPS Education Society, M/Carh'. To the right of the logo are two circular accreditation logos: NAAC and a 26th anniversary logo with the text '26 Leadership in Education'. The main title of the webinar is 'Webinar on Geospatial Technologies for Water Resources Management', displayed in a mix of blue and orange fonts. Below the title, it states 'Organized by : Department of Civil Engineering in association with Department of Training & Placement'. The speaker's name, 'Dr. Arabinda Sharma', is highlighted in an orange box, followed by his title 'Associate Professor' and affiliation 'School of Earth and Environmental Science, Gangadhar Meher University, Sambalpur- Odisha'. A circular portrait of Dr. Arabinda Sharma is positioned on the right side of the graphic. At the bottom, there is a Zoom logo, a calendar icon indicating the date '08<sup>th</sup> April, 2024, (Monday)', a clock icon showing the time '11:00 AM', and a location pin icon with the text 'Online Zoom Meeting'. The website 'www.rpsinstitutions.org' is printed at the very bottom.

Dr. Sharma began by providing an insightful overview of geo-spatial technologies, highlighting their significance across various domains, particularly in water resources management. He elaborated on the practical applications of GIS, remote sensing, and GPS in effectively assessing, monitoring, and managing water resources. Throughout the session, advanced mapping and analysis techniques were discussed, demonstrating their utility in hydrological modelling, watershed management, and flood forecasting.

The webinar also featured engaging case studies, showcasing successful implementations of geo-spatial technologies in real-world water resources management projects. Participants actively engaged with Dr. Sharma, posing insightful questions, and contributing to enriching discussions. The session concluded with a forward-looking discussion on the prospects of geo-spatial technologies in enhancing water resources management strategies, emphasizing the importance of continued research and innovation in the field.

Furthermore, the interactive nature of the session facilitated meaningful knowledge exchange among attendees, fostering a collaborative learning environment. Participants gained valuable insights into the practical applications of geo-spatial technologies, equipping them with the tools and understanding needed to address water resources management issues effectively. As the world faces increasing water scarcity and environmental challenges, the webinar served as a timely reminder of the crucial role that technological innovations can play in sustainable resource management. The organizers look forward to hosting more such insightful sessions to continue fostering professional development and knowledge sharing in the field.

05-April-2024

## REPORT

ON

### Industrial Visit to DLF Downtown Gurgaon

The industrial visit to DLF Downtown Gurgaon organized by the Department of Civil Engineering at RPSSET on April 5, 2024, was a comprehensive exploration of fire safety and structural stability measures in contemporary commercial complexes. DLF Downtown Gurgaon, a prominent landmark known for its innovative design and state-of-the-art infrastructure, provided an excellent platform for students to observe and analyse real-world applications of their academic learnings.



The visit commenced with a guided tour of the complex, offering students and faculty members a firsthand experience of the building's layout, architectural features, and emergency facilities. Participants had the opportunity to explore various sections of the complex, including office towers, retail spaces, common areas, and parking structures, gaining insights into the integration of fire safety and structural stability measures into the building's design.



A highlight of the visit was the informative presentation on fire safety protocols delivered by experts from the management team of DLF Downtown Gurgaon. The presentation covered a wide range of topics, including preventive measures, fire detection systems, evacuation procedures, and the deployment of firefighting equipment. Students actively engaged in discussions, seeking clarifications, and deepening their understanding of the importance of adhering to building codes and standards to ensure the safety of occupants in high-rise structures.

Moreover, practical demonstrations were conducted to showcase the functionality of various fire safety systems installed in the building. Students had the opportunity to operate fire alarms, sprinkler systems, smoke detectors, and emergency lighting systems under the guidance of trained professionals, providing them with hands-on experience in handling firefighting equipment.

Throughout the visit, emphasis was placed on the significance of collaboration among architects, engineers, fire safety experts, and building management professionals in designing and maintaining safe and secure built environments. Students gained an appreciation for the holistic approach required to address fire safety and structural stability challenges in modern buildings, recognizing the interdisciplinary nature of civil engineering practice.



29-March-2024

## REPORT

ON

### Alumni interaction with Mr. Vishal

Vishal, a distinguished alumnus of RPS College's Civil Engineering department, currently serves as a Site Engineer at the Shobha Developers in Ahmedabad. With a commendable dedication to his studies, Vishal completed his civil engineering degree in 2021. This academic excellence has undoubtedly played a pivotal role in his successful transition to the professional realm. In his role as a site engineer, Vishal undertakes critical responsibilities related to the planning, design, and execution of Building Structures.



During insightful conversation, he highlighted key skills honed during his time at RPS College, including project management, structural analysis, and proficiency in other subjects. His ability to apply theoretical knowledge to practical scenarios has been instrumental in his promising career. Responding to students' queries, Vishal emphasized the significance of internships, practical exposure, and networking during college, underscoring the importance of a strong foundation in engineering fundamentals and staying updated on industry advancements for success in a competitive professional landscape.

Vishal also engaged in insightful interactions with faculty members Rohit Yadav and Prashanta Kumar during his visit. These interactions provided a valuable exchange of ideas and experiences, further enriching Vishal's understanding of the academic landscape.

23-March-2024

## REPORT

ON

### Martyr's Day (Shaheed Diwas)

Every year 23 March is observed and celebrated as “Shaheed Diwas” with great passion and unity across India. “Shaheed Diwas” is celebrated in remembrance of the three revolutionaries of India who were hanged to death by the British namely Bhagat Singh, Shivaram Rajguru and Sukhdev Thapar.





On March 23, 1931, the British hanged India's young freedom fighters Bhagat Singh, Shivram Rajguru and Sukhdev Thapar. This day is celebrated to pay tribute to the immortal martyrs who sacrificed their lives smilingly in the freedom struggle. The names of Shaheed Bhagat Singh, Sukhdev and Rajguru are recorded in golden letters in history. Shaheed Bhagat Singh, Sukhdev and Rajguru are role models and inspirations for the youth. All three were sentenced to death on charges of Lahore conspiracy. March 24, 1931, was fixed as the date of hanging of Bhagat Singh, Sukhdev and Rajguru. But the British government hanged him on March 23, a day before the scheduled time. Because the British government was afraid that the countrymen would get angry by hanging these revolutionaries. In this situation, the three brave sons were secretly hanged a night before the scheduled date.



This day is widely celebrated across India to honour these men who lost their lives serving Mother India. In the beginning Dr. Mahesh Yadav, Director, RPSCET Balana welcome all the dignitaries, students, and staff members. The students of Civil Engineering organized many events like, Speech, Skit, Singing, Dancing, Painting etc. The activities which were performed by students was very interacting with a good response. We have arranged competition in which judges gave 3 ranks in every event to students who participated in events. The Vote of Thanks was delivered by Mr. Prashanta Kumar, HOD of the civil engineering department

extended to the Dignitaries, Faculty, Participants and remained presence this seminar and prepared the guideline for the successful completion of this event.

28-February-2024

## SITE VISIT REPORT

ON

### **Under Construction Water Reservoir at Nizampur, Narnaul, and Artificial Water Reservoir at Ranghunathpura, Narnaul**

On February 28, 2024, the Department of Civil Engineering orchestrated a comprehensive site visit to evaluate the progress of the under-construction water reservoir in Nizampur, Narnaul, with Mr. Sandeep Yadav and Mr. Rohit Yadav leading the expedition. The primary objective was to assess the construction status and key engineering aspects of the reservoir, strategically positioned to address the increasing water demands in the region for both agricultural and domestic use.





The visit unveiled a commendable construction pace, with visible advancements such as laid foundations, erected structures, and ongoing pipeline installations. Noteworthy was the use of high-quality materials, underscoring a commitment to durability and reliability. The technical aspects, encompassing design features and safety measures, were diligently implemented, reflecting a conscientious approach to engineering standards.

Following the evaluation of the Nizampur site, the team proceeded to the Artificial Water Reservoir at Ranghunathpura, Narnaul. Positioned in the fire range area, this reservoir serves the purpose of water storage. The inspection revealed a well-maintained structure that seamlessly blends with the natural landscape, showcasing effective construction and integration.

In conclusion, the site visit provided valuable insights into the ongoing civil engineering projects, emphasizing technical excellence, safety protocols, and environmental considerations. The collective experience enhanced the participants' understanding of civil engineering practices, emphasizing the importance of quality construction, safety protocols, and sustainable infrastructure development. This visit underscored the adherence to high-quality standards in civil engineering practices.

**26-February-2024**

## **REPORT**

### **ON**

#### **Alumni interaction with Mr. Ashwani**

Ashwani, a distinguished alumnus of RPS College's Civil Engineering department, currently serves as a Junior Engineer at the Department of Irrigation in Haryana. With a commendable dedication to his studies, Ashwani completed his civil engineering degree in 2017. This academic excellence has undoubtedly played a pivotal role in his successful transition to the professional realm. In his role at the Department of Irrigation, Ashwani undertakes critical responsibilities related to the planning, design, and execution of irrigation projects.



During insightful conversation, he highlighted key skills honed during his time at RPS College, including project management, structural analysis, and proficiency in other subjects. His ability to apply theoretical knowledge to practical scenarios has been instrumental in his promising career. Responding to students' queries, Ashwani emphasized the significance of internships, practical exposure, and networking during college, underscoring the importance of a strong foundation in engineering fundamentals and staying updated on industry advancements for success in a competitive professional landscape.

Ashwani also engaged in insightful interactions with faculty members Sandeep Yadav and Prashanta Kumar during his visit. These interactions provided a valuable exchange of ideas and experiences, further enriching Ashwani's understanding of the academic landscape.



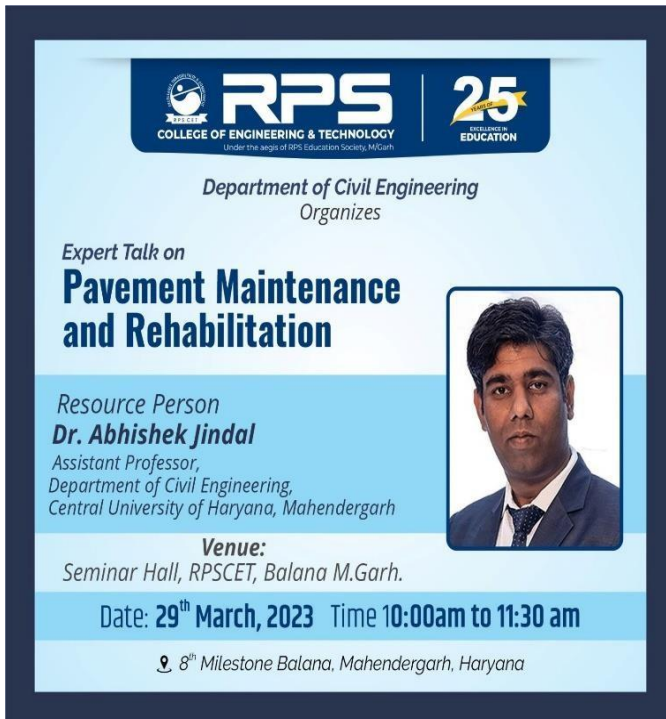


29-March-2023

## EXPERT LECTURE ON

ON

## Pavement Maintenance & Rehabilitation



The poster features the RPS logo and a 25th anniversary emblem. It lists the Department of Civil Engineering as the organizer and identifies Dr. Abhishek Jindal as the resource person. The event is scheduled for March 29th, 2023, at the Seminar Hall of RPS CET, Balana M. Garh.

**RPS** | 25  
COLLEGE OF ENGINEERING & TECHNOLOGY  
Under the aegis of RPS Education Society, M/Garh  
ESTABLISHED IN EDUCATION

Department of Civil Engineering  
Organizes

Expert Talk on  
**Pavement Maintenance  
and Rehabilitation**

Resource Person  
**Dr. Abhishek Jindal**  
Assistant Professor,  
Department of Civil Engineering,  
Central University of Haryana, Mahendergarh

**Venue:**  
Seminar Hall, RPS CET, Balana M.Garh.

Date: **29<sup>th</sup> March, 2023** Time 10:00am to 11:30 am

8<sup>th</sup> Milestone Balana, Mahendergarh, Haryana



**Introduction:** On 29th March 2023, a seminar on "Pavement Maintenance & Rehabilitation" was conducted by Dr. Abhishek Jindal, Assistant Professor at the Department of Civil Engineering, Central University of Haryana. The seminar took place in the Seminar Hall of RPS CET, Balana Mahendergarh. The purpose of the seminar was to provide insights into effective strategies for the maintenance and rehabilitation of pavements.

### Presentation Highlights:

Dr. Abhishek Jindal began the seminar by introducing the importance of pavement maintenance and rehabilitation in ensuring the longevity and functionality of road infrastructure.

He emphasized the need to proactively address pavement distresses such as cracking, rutting, potholes, and surface deterioration to prevent further damage and maintain safety standards.

The speaker provided an overview of the various types of pavement distresses and their causes. This included discussing factors like traffic loading, environmental conditions, material quality, and construction practices that contribute to pavement deterioration.

The importance of regular pavement inspections and condition surveys was highlighted as a crucial step in identifying distresses and planning appropriate maintenance and rehabilitation strategies.

Dr. Jindal elaborated on different maintenance techniques, such as crack sealing, patching, and surface treatments, that can be employed to address specific pavement distresses effectively. He discussed the advantages and limitations of each technique and emphasized the importance of selecting the most suitable method based on the specific pavement condition.

The seminar also covered the topic of pavement rehabilitation, focusing on techniques like overlaying, milling, and full-depth reclamation. Dr. Jindal highlighted the significance of considering factors such as pavement structure, traffic volume, and available budget while choosing the appropriate rehabilitation technique.

Additionally, the speaker discussed emerging trends in pavement maintenance and rehabilitation, including the use of advanced materials, intelligent transportation systems, and sustainable practices.

**Conclusion:** Dr. Abhishek Jindal's seminar on Pavement Maintenance & Rehabilitation provided valuable insights into the effective management of road infrastructure.

The seminar was well attended, with participants from the Department of Civil Engineering, the event concluded with a question-and-answer session, allowing attendees to seek clarification on specific topics.

The knowledge and insights gained from Dr. Jindal's seminar will undoubtedly contribute to improving the maintenance and rehabilitation practices of pavements in the region, ensuring safer and more durable road networks in the future.



24-March-2023

## EXPERT LECTURE ON ON

### Industry Expectations from Freshers



On 24<sup>th</sup> March 2023, an expert lecture was organized by Department of Civil Engineering, RPSSET, Balana, Mahendergarh. The topic of the lecture was "Industry Expectations from Freshers" and it was delivered by Prof. (Dr) Vikas Garg, an academician and Director of Trainings and Placement at CUH Mahendergarh.

The lecture began with a brief introduction to the current job scenario in the industry and the challenges faced by freshers in getting jobs. Dr. Garg emphasized the importance of developing



Dr. Garg discussed the essential skills that freshers need to possess to be successful in their careers.

These skills include technical knowledge, communication skills, problem-solving abilities, adaptability, and teamwork. He stressed the importance of possessing these skills and emphasized that these skills are equally essential as academic qualifications.

Further, Dr. Garg explained the role of internships and industrial training in developing practical skills and gaining industry exposure. He urged students to participate in internships and training programs, which would provide them with hands-on experience and make them job ready.

The lecture was followed by a question-and-answer session, during which students asked various queries related to their career prospects and industry expectations. Dr. Garg addressed all the questions and provided valuable insights and suggestions.

In conclusion, the expert lecture on "Industry Expectations from Freshers" by Prof. (Dr) Vikas Garg was informative and insightful. The lecture provided students with valuable insights into the expectations of the industry and the essential skills that they need to possess to succeed in their careers. It was a great learning experience for all the students who attended the lecture.

19-March-2023

## Report

on

### Visit to Bhakra Dam & Ganguwal Power House



On March 19, 2023, a group of students from the Civil, Electrical, and Mechanical Engineering departments, along with faculty members, embarked on an industrial visit to Bhakra Dam and Ganguwal Powerhouse. The visit was intended to provide students with practical exposure to the operation and maintenance of large-scale hydraulic structures and power generation facilities.

The group departed from RPS GOI Campus at 8:15 AM and arrived in Punjab at 5:00 PM. After checking into Mata Naina Devi Temple for the night, the group visited Bhakra Dam and Ganguwal Powerhouse the following morning. Although the students were not allowed to enter the premises of the Bhakra Dam, they were able to see it from a distance and observe its spillways, which were in operation at the time of the visit. This provided the students with a glimpse of the dam's hydraulic and operational characteristics and how it manages to control and utilize the water resources of the region. The group also visited

the Ganguwal Powerhouse and had the opportunity to see the power generation process. Later in the day, the group visited Anandpur Sahib Gurudwara, a holy place for the Sikh community. The students learned about the rich history and culture associated with the gurudwara and were impressed by its grandeur.

Next during evening, the group visited Sukhna Lake, a serene and picturesque lake located in Chandigarh. The students enjoyed a boat ride and had a relaxing time amidst the natural beauty of the place.

At the end of the visit during night, the group visited Elante Mall in Chandigarh, where



the students had the opportunity to explore and enjoy the amenities of the modern shopping complex. The group then travelled back to the campus and arrived at 8:30 AM the next morning.

Overall, the industrial visit provided the students with a great learning experience and an opportunity to apply their theoretical knowledge to real-world situations. They were able to see the practical aspects of large-scale hydraulic structures, power generation facilities, and historical and cultural sites. The visit was also an enjoyable and memorable experience for the students, and they appreciated the efforts made by the faculty members to organize and coordinate the trip.



**17-February-2023**

## **Report**

**on**

## **Water and Waste Expo**

The Water and Waste Expo, organized by IETF, was held from February 16-18, 2023, at Pragati Maidan, Delhi. With over 200 exhibitors, the event brought together professionals from the water and waste management industries to showcase products, innovations, and solutions. Our institution participated on February 17, offering students first-hand experience in wastewater treatment. The expo attracted diverse visitors, including industry professionals, government officials, academics, and students, facilitating valuable networking opportunities. We connected with professionals, potential clients, and gained insights into industry challenges. The expo provided a platform to learn about the latest innovations and solutions, and we look forward to future participation and building on the relationships established at this year's event.





02-February-2023

## Report

On

### Expo visit to Bauma Construction Equipment



The Bauma Construction Equipment Expo was held at Knowledge Park II, Noida on 02/02/2023. The expo was attended by Assistant Professors; Mr. Sajad Bhat, Mr. Sandeep Yadav, Mr. Vikas Sharma, and Mr. Karamveer who work at RPSSET.

The expo showcased a wide range of construction equipment including bulldozers, cranes, and other heavy machinery. Attendees had the opportunity to see new products and innovations in the field, network with industry professionals, and learn about the latest industry trends and developments.

According to the attendees, the expo was well-organized and provided valuable insights into the construction equipment industry. They noted the presence of a large number of exhibitors and attendees, indicating the significance of the event. They were particularly impressed by the latest models of bulldozers and cranes, which featured advanced technology and improved efficiency.

The knowledge gained at the expo will be delivered to the students so that they can stay up to date with the latest trends in construction technology. This will help to enhance the quality of education at RPSSET and ensure that students are prepared for careers in the construction industry.

Overall, the Bauma Construction Equipment Expo was a valuable experience for the Assistant Professors from RPSSET. They gained knowledge and insights into the latest advancements in construction equipment and technology that will benefit their work at the institution and provide students with a well-rounded education.





**19-November-2022**

## **Report**

**on**

### **Geological Visit to Dhosi Hills, Narnaul, Haryana**

On 19th November 2022, a group of Civil Engineering students, accompanied by faculty members, set off on a geological visit to Dhosi Hills in Narnaul, Haryana. The purpose of the visit was to gain practical knowledge about geological formations and learn about their relevance to civil engineering. The journey started at 10:00 am as the students and faculty members boarded the bus from RPSCET campus in Balana Mahendergarh. The journey to Dhosi Hills took approximately one and half hours, and the participants engaged in lively discussions and exchanged ideas during the trip.

Upon reaching Dhosi Hills, the students were greeted by the serene beauty of the natural landscape. The hills, known for their unique geological features, provided an excellent opportunity for the students to observe and understand various geological formations up close. The faculty members guided the students and explained the significance of each formation in the context of civil engineering.

During the visit, the students had the chance to examine different rock types, including sedimentary, igneous, and metamorphic rocks. They observed the layering patterns in the sedimentary rocks and learned about their formation processes over millions of years. The faculty members emphasized the importance of understanding rock properties and their behavior under different loads and conditions, highlighting their relevance in construction projects.

The group also explored the geological processes that shaped the hills, such as erosion, weathering, and tectonic activities. They examined the effects of these processes on the landscape, including the formation of valleys, cliffs, and caves. The faculty members explained how these natural formations can influence civil engineering projects, such as site selection, foundation design, and slope stability analysis.

Finally, the group departed from Dhosi Hills in the late afternoon, carrying with them a newfound appreciation for the geological aspects of civil engineering. The return journey to RPSCET campus was filled with enthusiastic conversations, as the students shared their observations and experiences from the visit.

In conclusion, the geological visit to Dhosi Hills provided an invaluable learning experience for the Civil Engineering students and faculty members. It allowed them

to witness and study various geological formations first-hand, understand their relevance to civil engineering, and gain insights into the practical applications of geological knowledge in construction projects. Such field visits contribute significantly to the holistic education of engineering students, equipping them with the necessary skills and understanding to excel in their future careers.

