

DEOGIRI INSTITUTE OF ENGINEERING AND MANAGEMENT STUDIES

NEWSLETTER

JAUNARY 2023 TO JUNE 2023



ABOUT INSTITUTE

In The Pursuance with the Policies of Govt. of India to start Engg Colleges in Emerging Technologies. Deogiri Institute of Engg. And Management Studies is established at Aurangabad during The Academic Year 2009-10. Deogiri Institute of Engg. And Management Studies is affiliated to the Dr. Bababasaheb Ambedkar Technological University, Lonere. and is Developed as per the norms of All India Technical Education (AICTE).

VISION OF INSTITUTE

Nation Building By Creating Opportunities For Rural And Urban Through Excellent Education & Research In The Field Of Engineering & Management

MISSION OF INSTITUTE

- To develop the students for best academic and industrial practices by implementing innovative teaching learning methodologies, promoting all round development by giving exposure to series of activities.
- To prepare the students to face global challenges by equipping them with requisite technical expertise and developing entrepreneurship skills among them.
- To promote research attitude among faculty and students.

CIVIL ENGINEERING DEPARTMENT

FROM HOD'S DESK



On behalf of all our faculty, staff, and students, I would like to welcome you to the Civil Engineering Department at Deogiri Institute of Engineering and Management Studies, Aurangabad.

As a Head of the department, I am extremely proud of our role in providing high quality education and hands-on experience to our students. Right from its inception in 2009, the Civil Engineering Department has earned tremendous reputation for qualitative teaching-learning process, meaningful teacher-student interactions, state-of-the-art laboratories, and well qualified faculty; positively contributing to the community through teaching, research and consultancy activities.

VISION OF DEPARTMENT

Develop a proficient civil engineering with technical competency and managerial ability so as to contribute in nation building

MISSION OF DEPARTMENT

- To impart technical proficiency in Civil Engineering through quality teaching learning process
- To mentor Civil Engineering students for competitive services, higher studies, and allied research to meet societal needs.
- To inculcate managerial skills in students to evolve as an entrepreneur

FACULTY ACHIVEMENTS

Research Papers Published

- Gajendra Gandhe, Durgesh H. Tupe "Beam Displacement analysis under stress: A Review" Journal of Indian School of Political Economy, Vol. 35, No. 2, 2023, ISBN/ISSN no. 0971-0396.
- Gajendra Gandhe, Durgesh H. Tupe "To Concentrate on Plan and Investigation the impact of warm and physical load on essentially upheld steel shaft', Humanities and Social Science Studies, Vol. 12, Issue 2, No. 5 ISBN/ISSN no, 20232319-829X
- S.B. Deshmukh "Comparative Study of RC Elevated Water Tank" Journal of Structural Engineering and Management, Vol. 10, Issue 3, 2023 ISBN/ISSN no 2393-8773.

Industrial visit

Sr no.	Name of the company	Date of visit	No .of beneficiaries
1	Water and Land Management Institute, Aurangabad	01/16/2023	50
2	Advantage Maharashtra EXPO 2023, 'AURIC City, Aurangabad	01/08/2023	50

Expert lectures

Sr no.	Topic	Date	Name of the expert
1	Expert Talk- BIM Career Opportunity	26.4.23	Er. Shadab Ali, BIM Associates Engineer & Trainer, Design & Draft Engineering Institute, Chh. Sambhajinagar.
2	Expert Talk- Modern Tool Usage in Structural Design	12.04.23	Mr. Hitesh Lahoti, Director, Hitesh Lahoti and Associates, Pune

GLIMPS OF INDUSTRIAL VISIT

AURIC CITY, SHENDRA MIDC, AURANGABAD

The Aurangabad industrial city(AURIC) is a Greenfield industrial smart city spread over an area of 10000 acres(40 km²) near Aurangabad , Maharashtra, India. It is a part of the Delhi-Mumbai industrial Corridor Project (DMIC) , Which plan to develop an industrial zone spanning across six states between India's Delhi is financial hub , Mumbai , the government of Maharashtra decided to develop the shendra and bidkin neighborhoods of Aurangabad as a planned industrial township under DMIC equipped with an underground plug and play infrastructure 60%of the land in AURIC is for industrial age mainly focusing on textile , food, defense, engineering and electronics, while the remaining 40% is intended for residential, commercial and other purpose.



GLIMPS OF INDUSTRIAL VISIT



Water and Land Management Institute, Aurangabad

Water, land and soil are integral parts of the environment that need to be conserved and efficiently managed to enhance productivity, achieve economic growth and promote environmental quality. With the ever increasing population, there is a need to enhance agricultural productivity with scientific management of water, land and soil. An integrated approach in sustainable development and management of water and land resources is, hence necessary for success in State's efforts to alleviate poverty, food security and mitigate hardships of the people. Water and Land Management Institutes (WALMIs) were established in most of the states during 1980s. NWM envisages to collaborate with WALMI/Irrigation Research Institute for undertaking research, training/capacity building for enhancing Water Use Efficiency (WUE) in irrigation sector.



Infrastructure Development in Urban Areas

Introduction:

Infrastructure Development in Urban Areas The year 2023 marks a significant milestone for the civil engineering industry as we continue to focus on improving the infrastructure in urban areas. The rapid growth of urbanization and population has led to an increasing demand for sustainable, efficient and resilient infrastructure. In this project report, we will discuss the major achievements and challenges in the field of civil engineering related to infrastructure development in urban areas for the year 2023.

Infrastructure Development:

In the year 2023, civil engineering projects focused on upgrading and modernizing existing infrastructure, as well as constructing new ones to meet the growing demand. One of the significant achievements was the development of smart cities that use advanced technologies to improve the quality of life for citizens. These cities have integrated systems that manage energy consumption, water usage, transportation, and waste management. The use of green technologies such as solar power, wind power, and energy-efficient building materials has helped reduce the carbon footprint of these cities. In addition, transportation infrastructure development has also been a significant focus for civil engineers in 2023. The expansion of mass transit systems, including light rail and bus rapid transit, has helped improve connectivity within urban areas. Furthermore, the construction of new highways, bridges, and tunnels has helped reduce congestion and improve transportation efficiency.



Challenges:

The development of infrastructure in urban areas has also posed several challenges for civil engineers. One of the significant challenges faced is the aging infrastructure that requires constant maintenance and upgrades. The cost of maintaining and upgrading these structures has been high, and many cities struggle to allocate sufficient funds for infrastructure development. Another significant challenge is the need for sustainable infrastructure development. With the increasing concerns about climate change and environmental degradation, civil engineers are now required to design infrastructure that is resilient to natural disasters, promotes energy efficiency, and reduces carbon emissions. This has led to the use of green technologies and sustainable building materials, which have been expensive and difficult to implement on a large scale.



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