

DEPARTMENT OF CIVIL ENGINEERING

Deogiri Institute of Engineering and Management Studies



Viveka

MAGAZINE

**AY 2021-22**



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## INSTITUTE VISION

Nation building by creating opportunities for rural and urban students through excellence in education and research in the field of Engineering and Management.



## INSTITUTE MISSION

- 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



## DEPARTMENT VISION

Develop proficient Civil Engineer with technical competency and managerial ability so as to contribute in nation building.



## DEPARTMENT MISSION

- 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

*We.*

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*AT* **DIEMS**

*Develop proficient Civil Engineers with technical competency and managerial ability so as to contribute in nation building.*



# QUALITY POLICY

We are committed to follow par excellence teaching practices to meet global demand of competent and trained human personnel in engineering and technology sector by remaining accountable through self evaluation and operate with continual improvement withing the statutory and regulatory framework and review its policy and objectives regularly to ensure its effectiveness

# QUALITY OBJECTIVE

- To provide a sound academic environment to students for a complete learning experience
- To train the staff for all-round development of academic record
- To improve the industry institute interaction
- To promote R&D activity
- To strive for student's placement
- To organize co-curricular and extra-curricular activities



# DIRECTOR'S MESSAGE



**Dr. Ulhas Shiurkar**  
**(Director DIEMS)**

“

Over the past few years Deogiri Institute of Engineering and Management Studies has redefined the Engineering and Management education in Marathwada region. Starting from nowhere in 2009 we have crossed many milestones and have set new academic records.

Quality infrastructure, well equipped laboratories with advanced software and workshop equipped with tools and machines, library with thousands of required texts, National and International Journals with spacious reading hall make the campus a giant laboratory, where the future Engineers experiment, test and prove their potential in different dimensions.

The institute always takes initiative in providing advanced educational facilities to furnish substantial support to facilitate learning process.

”

# MESSAGE FROM HOD



**Dr. G.R.Gandhe**  
**(HOD, Dept. of Civil Engg.)**

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.

With a well-planned mission and untiring efforts of our highly committed faculty, staff and students, the department is striving hard to develop proficient Civil Engineer with technical competency and managerial ability so as to contribute in Nation Building. Our department is constantly working towards all-round skill development of our students by organizing Expert talk by Industry persons, Industrial Visits, Seminars, Inspire talks, workshops, conferences. Apart from this, Civil Engineering Department is providing Engineering Consultancy services for various Government as well as private construction projects. I am very proud to inform you that DIEMS is the First Engineering Institute in the Marathwada region having NABL accreditation for Civil Engineering laboratories.



# ACTIVITY REPORT

## INDUSTRIAL VISIT



**Name of the Event-**  
Industrial Visit

**Date of visit-** 20/04/2022

**Name of Industry-** RMC  
PLANT, GNI INFRA,  
JHALTA PHATA,  
AURANGABAD

**Summary of the event-**  
Students visited Ready  
Mix Concrete plant to  
know the processes  
involved in making RMC

**Outcome-** Students got  
the knowledge of RMC  
making processes



## INDUSTRIAL VISIT

**Name of the Event-**  
Industrial Visit

**Date of visit-** 19-05-2022

**Name of Industry-** Water  
Treatment Plant, 392  
MLD, Kanchanwadi,  
Aurangabad

**Summary of the event-**  
Students visited Water  
treatment plant to know  
various processes involved  
in making treatment of  
water. Plan and design of  
WTP was shown to  
students. Capacity of WTP,  
onsite details were  
discussed with students.

**Outcome-** Students were  
able to understand the  
details of WTP such as  
capacity, plan, design,  
processes involved in  
treatment of water  
construction details etc

**No. of Students  
Participated-**43



## INDUSTRIAL VISIT



**Name of the Event-  
Industrial Visit**

**Date of visit- 07-01-2022**

**Name of Industry-  
Maharashtra  
Engineering Research  
Institute, (MERI), Nashik**

**Summary of the event-  
Students visited various  
testing laboratories in  
MERI. They also have  
gone through on going  
project information.**



**Outcome- Students were  
able to understand the  
set-up of various testing  
laboratories in MERI,  
Nashik**

**No. of Students  
Participated-149**

**EXPERT TALK**

1

**Name of the Event-Expert talk on Concept of water Supply Management to Rural and Urban area**

**Date -18/02/2022**

**Name of Speaker/company- Maharashtra Jeevan Pradhikaran Dr. R. V. Mhaisekar, Former Superintending Engineer, Aurangabad**

**Summary of the event- Students visited Water treatment plant to know various processes involved in making treatment of water**

**Outcome- Students got the knowledge processes involved in treatment of water**

**No. of Students Participated-52**

2

**Name of the Event-Expert Talk on Climate Change Ditection**

**Date -20/04/2022**

**Name of Speaker/company- Water Resource Engineering Department of Civil Engg. SVNIT Mr. Sanjay Ramesh Phulpagar Senior Research Scholar**

**Summary of the event- Speaker is an research scholar in WRE at SVNIT. He gave brief idea about opportunities with specialization in WRE. Also discussed information about climate change studies and detection of climate change. Outcome- Expert talk was helpful for the students to study the climate change and its detection**

**No. of Students Participated-55**

**EXPERT TALK**

3

**Name of the Event-Expert Talk on Innovation in pipe Distribution Network.**

**Date -13/04/2022**

**Name of Speaker/company-  
Water Resources Department  
Maharashtra**

**Er. Anantrao Ghate  
Retired Sub Divisional Engineer  
and Management Studies,  
Aurangabad**

**Summary of the event-** Students had brief introduction about some environmental Engineering topics such as water supply, population, Water quality and quantity, methods of water supply etc

**Outcome-** Students were able to understand the various innovations in pipe distribution networks, its necessity and advantages

**No. of Students Participated-60**

4

**Name of the Event-Expert Talk on Employment & Business Opportunities in Environmental Engineering**

**Date -13/04/2022**

**Name of Speaker/company-  
Watermark Sustainability  
Foundation**

**Mr. Sanman Kulkarni,  
Environmental consultant, Pune**

**Summary of the event-** Importance of Environmental engineering in private sector jobs and government exams like GATE, IES, MPSC was discussed. Business opportunities with Environmental engineering were also highlighted

**Outcome-** Students were able to understand the employment in private as well as government sector and also they were able to get business ideas and opportunities in environmental engineering

**No. of Students Participated-55**

# EXPERT TALK

## PHOTOGRAPHS



## *Activities Organized in Academic Year 2021-22*

| <i>Sr No</i> | <i>Activity</i>   | <i>Date and year of Activity</i> | <i>Organization / Resource Person</i>   |
|--------------|---|----------------------------------|---|
| <i>1</i>     | <i>Expert Talk on Climate Change Ditection</i>                    | <i>20/04/2022</i>                | <i>Water Resource Engineering Department of Civil Engg. SVNIT<br/>Mr. Sanjay Ramesh Phulpagar<br/>Senior Research Scholar</i>               |
| <i>2</i>     | <i>Expert Talk on Innovation pipe Distribution Network.</i>       | <i>13/04/2022</i>                | <i>Water Resources Department Maharashtra<br/>Er. Anantrao Ghate<br/>Retired Sub Divisional Engineer and Management Studies, Aurangabad</i> |
| <i>3</i>     | <i>Concept of water Supply Management to Rural and Urban area</i> | <i>18/02/2022</i>                | <i>Maharashtra Jeevan Pradhikaran<br/>Dr. R. V. Mhaisekar, Former Superitending Engineer, Aurangabad</i>                                    |
| <i>4</i>     | <i>Expert Talk on Career Opportunities with WRE</i>               | <i>27/12/2021</i>                | <i>IIT,Pawai<br/>Miss. Ankita Prayag<br/>Professional Hydrologist and Researcher</i>  |

# SPECIAL ACHIEVEMENTS

| Sr. No | Name of Students | Details of Event | Award      |
|--------|------------------|------------------|------------|
| 1      | Dharshan Parab   | Sankalp- 2k22    | First Rank |
| 2      | Shivam Ghodke    | Sankalp- 2k22    | First Rank |





# SPECIAL ACHIEVEMENTS

## INNOVATION PATENT

Title- A system for thermal insulation of buildings  
using PCM

INVENTORS - 1. MOHD ABDUL MOIZ, ANSARI AMENA  
2. SOHONI VIDULA 3. BHALERAO ANAND 4. WADHAI  
VIJAY 5. GANDHE GAJENDRA 6. SHIURKAR ULHAS

**PATENT NUMBER - 2021107098**



# Faculty Publications

| <i>Sr No</i> | <i>Author</i>  | <i>Title of Paper</i>  | <i>Journal</i>  |
|--------------|--|--|---|
| 1            | <i>A.S. Pathan,<br/>Dr.G.R.Gandhe<br/>S. D. Shinde</i> | <i>“Design of Hydraulic Condition for Urban Storm water drainage under climatic change impact”</i> | <i>Climate Change Impacts, Mitigation and Adaptation in Developing Countries, Springer Climate,2022</i> |
| 2            | <i>S. D. Shinde,<br/>A.S. Pathan</i>                   | <i>Sewerage System of Aurangabad : Review”</i>   | <i>IJIRT,Volume 8 Issue 9, Feb-22, ISSN: 2349-6002.</i>   |
| 3            | <i>S. D. Shinde,<br/>A.S. Pathan</i>                   | <i>“Permeable Reactive Barrier Technology for Contaminated Remediation: Review”</i>                | <i>IJIRT,Volume 8 Issue 9, Feb-22, ISSN: 2349-6002</i>  |
| 4            | <i>Prof.R.S.Patil,<br/>Dr.G.R.Gandhe</i>               | <i>“Earthquake Response Study of Multistoried RCC Building with FVD on Sloping Ground”</i>         | <i>IJSREM, Vol 6, Issue:1,Jan-22, ISSN: 2582-3930.</i>  |
| 5            | <i>S.B.Salve</i>                                       | <i>“Comparative Study of Cold Form Steel Sections and Hot Rolled Sections”</i>                     | <i>IJIRT,Volume 8 Issue 8, Jan-22, ISSN: 2349-6002</i>  |
| 6            | <i>Sachin B Salve</i>                                  | <i>“Sustainable Design of Cold Form Steel in the Context of Life Cycle Cost”</i>                   | <i>IJREAM, Volume 8 Issue MAY-22, ISSN: 2454-9150</i>   |

# MEDIA COVERAGE

**Lokmat Times**

## DIEMS gets NAAC grade-A

**LOKMAT NEWS NETWORK  
AURANGABAD, AUG 30**

Deogiri Institute of Engineering and Management Studies was accorded grade-A by National Assessment and Accreditation Council (NAAC).

Addressing a press conference here on Monday, the general secretary of Marathwada Shikshan Prasarak Mandal MLC Satish Chavan said 456 students got placement during the academic year 2020-21 in different industries, taking a total number of getting employment in the last one decade to 2,166.

"We will enhance quality and try to impart upgraded and employment-oriented education. Our education society gave a one-day salary to PM Care Fund and Chief Minister's Relief Fund. Also, Rs 53 lakh was donated to flood-affected villages. Hostels were made available for Covid patients," he added.

DIEMS director Dr Ulhas Shivurkar said NAAC peer team visited the institute on August 5 and 6 for the inspection. The institute received 3.1 points out of a total 4. Vice-president of the MSP Mandal Shaikh Saleem, its member Vishwas Yelikar and Shin

**Free education to children of deceased Covid patients**

Chavan said 70 students lost both parents while 226 candidates' mothers died of Covid and 1954 youths lost their fathers due to pandemic virus in Marathwada. "Those students who lost their parents and studying in MSP Mandal's institute will get free admission and education," he added.

Borse were also present at the briefing.

Aurangabad First  
Page No. 3 Aug 31, 2021  
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## देवगिरी' व 'मॅजिक' संस्थेत सामंजस्य करार

बी स्टार | जगातील सर्वात व्यापक टॉप इकोसिस्टम संशोधन केंद्र टॉप ब्रँड'ने नुकत्याच जाहीर केल्या स्टार्टअप इकोसिस्टम रँकिंग २०२१ ये औरंगाबाद शहराला पहिल्या एका रेट वेस्ट डेस्टिनेशन फॉर स्टार्टअपचा न मिळाला आहे. ही स्टार्टअप इकोसिस्टम औरंगाबाद शहरामध्ये व्यापक रूपात वृद्धिंगत करण्याच्या दृष्टीने देवगिरी अभियांत्रिकी महाविद्यालय व मराठवाडा इन्स्टिट्यूट ऑफ ग्रोथ अँड इन्व्हेस्टमेंट न्सिल (मॅजिक) यांच्यामध्ये नुकताच सामंजस्य करार झाला.

या प्रसंगी मराठवाडा शिक्षण प्रसारक मंडळाचे सचिव सतीश चव्हाण,



चेबर ऑफ मराठवाडा इंडस्ट्रीज अँड अॅग्रीकल्चरचे अध्यक्ष शिवप्रसाद जाजू, महाविद्यालयाचे संचालक डॉ. उल्हास शिऊरकर, रितेश मिश्रा, सुरेश तोडकर, मॅजिकचे आशिष गर्दे, मंडळाचे उपाध्यक्ष शेख सलीम शेख अहमद, विश्वास येळीकर, संजीव सेठ, रेणुका देशपांडे, मॅजिकचे मुख्य कार्यकारी अधिकारी रोहित

औटी, प्रा. प्रकाश तौर, प्रा. सत्यवान धोंडगे, प्रा. गजेन्द्र गंधे, प्रा. राजेश औटी, प्रा. संजय कल्याणकर, प्रा. रुपेश रेव्हा यांची प्रमुख उपस्थिती होती. कार्यक्रमासाठी प्रा. आर. एच. शिंदे, प्रा. चंद्रकांत फड, प्रा. सौरभ निरखे, प्रा. सोनाली शेळके, प्रा. उदय ताकटे, प्रा. कृष्णा डाचावार यांनी पुढाकार घेतला.

### सामना

## देवगिरी अभियांत्रिकीच्या १५१ विद्यार्थ्यांना मिळाली नोकरी

संभाजीनगर, दि. २६ (प्रतिनिधी) - अभियांत्रिकीची पदवी हाती पडण्यापूर्वीच देवगिरी अभियांत्रिकी महाविद्यालयातील १५१ विद्यार्थ्यांना नामांकित कंपन्यांत गहनगंज पगाराची नोकरी मिळाली आहे. ही नोकरी परिसर मुलाखतीतून प्राप्त झाली आहे.

मराठवाडा शिक्षण प्रसारक मंडळ संचालित देवगिरी अभियांत्रिकी व व्यवस्थापनशास्त्र महाविद्यालय हे डॉ. बाबासाहेब आंबेडकर तंत्रज्ञान विद्यापीठाशी संलग्न आहे. महाविद्यालयाच्या ट्रेनिंग अँड प्लेसमेंट विभागाचे प्रमुख प्रा. अमरसिंह माळी व प्रा. बापूराव मारलापळे, प्रा. महेश बडमेरा यांनी अत्यंत मेहनतीने हे आव्हान पेलले आहे. सुक्रवार, शनिवारी पार पडलेल्या परिसर मुलाखतीमध्ये इलेक्ट्रॉनिक्स अँड टेलिकम्युनिकेशन इंजिनियरिंग शाखेच्या ७६ आणि मेकॅनिकल इंजिनियरिंग शाखेचे ७५ अशा १५१ विद्यार्थ्यांची निवड झाली. कंपन्यांच्या बतीने परिसर मुलाखतीसाठी एच.आर हेड रत्नाकर दांडे, श्रुतिक्रा कुलकर्णी, वैभव इंगळे व मंदार जोशी यांनी परिश्रम घेतले.



परिसर मुलाखतीमध्ये निवड झालेल्या विद्यार्थ्यांचे मराठवाडा शिक्षण प्रसारक मंडळाचे अध्यक्ष प्रकाश सोळुंके, सचिव आमदार सतीश चव्हाण, उपाध्यक्ष शेख सलीम शेख अहमद, कार्यकारी सदस्य विवेक भोसले, स्वानिक निवामक मंडळाचे सदस्य विश्वास येळीकर,

महाविद्यालयाचे संचालक डॉ. उल्हास शिऊरकर, विभाग प्रमुख डॉ. सत्यवान धोंडगे, प्रा. संजय कल्याणकर, प्रा. प्रकाश तौर, डॉ. गजेन्द्र गंधे, डॉ. राजेश औटी, डॉ. सुनील शिंदे, प्रा. रुपेश रेव्हा, अच्युत भोसले यांनी अभिनंदन केले.



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