



**Marathwada Shikshan Prasarak Mandal's
Deogiri Institute of Engineering and Management Studies, Aurangabad
Department of Civil Engineering**

**Recognized by AICTE , New Delhi | Affiliated to Dr. Babasaheb Ambedkar
Technological University, Lonere | B.Tech | M.tech
Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad,
Maharashtra**

MAGAZINE

AY 2022-23

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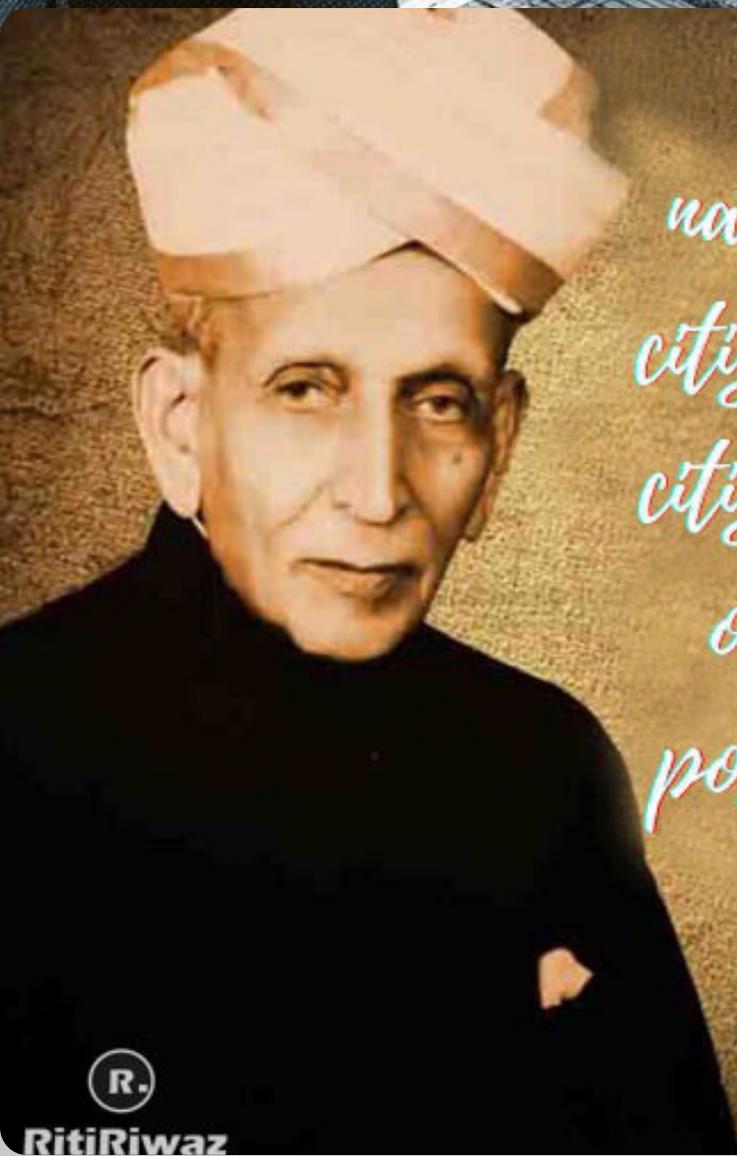
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"The way to build a nation is to build a good citizen. The majority of the citizens should be efficient, of good character and possess a reasonable high sense of duty."

- Sir M Visvesvaraya



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,

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



DEAN ACADEMIC'S MESSAGE



Dr. S.V.Lahane
(Dean Academics, DIEMS)

As we journey through our academic pursuits, it is paramount to recognize that success extends beyond subject-specific knowledge. Developing a diverse set of skills is instrumental in navigating the complexities of both academia and the broader world. Along with regular academics, DIEMS also cultivate different skills such as Critical Thinking, Effective Communication, Problem-Solving, Collaboration and Teamwork, Adaptability and Resilience,

Time Management within the students which are very much required for rapidly changing world. DIEMS always strive for a well-rounded education that encompasses not only academic knowledge but also these essential skills. Embrace opportunities within and beyond the classroom to enhance these skills. This will serve as a strong foundation for success in your academic endeavours and future careers.

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- 21/11/2022 &
22/11/2022

Name of Industry- Indo
German Tool Room,
Aurangabad

Summary of the event-
Students were introduced
to IGTR departments.
Demo of various
instruments used for
surveying was given to
students. Various courses
that are conducted in IGTR
were introduced.

Outcome- Students were
able to learn about the
various instruments used
for surveying also about
different courses.



**No. of Students
Participated-**110

INDUSTRIAL VISIT



Name of the Event-
Industrial Visit

Date of visit- 08/01/2023

Name of Industry-
AURIC , Aurangabad

Summary of the event-
Students were introduced to AURIC's concept. Information about Delhi-Mumbai industrial corridor project was discussed with students

Outcome- Students were able to understand the different projects undertaken by AURIC city



No. of Students Participated-50

INDUSTRIAL VISIT



Name of the Event-
Industrial Visit

Date of visit- 10/18/2022 &
10/19/2022

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



Summary of the event-
Various processes involved
in treatment of water were
shown to students. 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

EXPERT TALK

1

Name of the Event-Expert talk on GATE Benefit in various Jobs

Date -25-05-2023

Name of Speaker/company-
Mr. Prakash Gugale, Founder & Managing Director I2E Training Institute

Summary of the event- Speaker discussed about selection in various Multinational companies, other private sector jobs, and also Public Sector Undertaking through GATE examination. Students also got guidance regarding exam preparation strategies , pattern , cutoff, Preparation material sources, etc

Outcome- Students were able to understand the GATE preparation strategy and also benefit of GATE exam in various job sectors

No. of Students Participated-52

2

Name of the Event-Expert Talk on Roles and Responsibility of Project Manager

Date -07-12-2022

Name of Speaker/company-
Mr. Parimal Marathe, Managing director, Progressive Expert, Aurangabad

Summary of the event- Different types of projects, stages involved in completion of project, various project management techniques, Roles and responsibilities of project manager were discussed with students

Outcome- Students were able to understand the importance of project management in various projects and various roles and responsibilities of a project manager in project

No. of Students Participated-57

EXPERT TALK

3

Name of the Event-Expert Talk on Precast Concrete Structures and its Applications

Date -01-03-2023

Name of Speaker/company-
Mr.Atul Advarekar, assistant Manager, Fuji Silvertch Concrete, Pvt.Ltd.Aurangabad

Summary of the event- Expert discussed about the necessity of precast concrete structures in construction industry. Students also got to know about various innovations in concrete technology

Outcome- Students were able to understand the recent trends in concrete technology and necessity and applications of precast concrete structures in construction industry

No. of Students Participated-60

4

Name of the Event-Expert Talk on City Development and Working Method of Town Planning

Date -21-11-2022

Name of Speaker/company-
Er.Sanjay P.Kapale, Sub. Nodal Officer, Smart City Development,AMC, Aurangabad

Summary of the event- Expert discussed about various projects undertaken by town planning department. He also discussed about work profile of town planner . Speaker also discussed the concept of smart city in detail

Outcome- Students were able to understand the working method of town planning department and were also able to know detail information about City Development

No. of Students Participated-55

EXPERT TALK

PHOTOGRAPHS



Activities Organized in Academic Year 2022-23

<i>Sr No</i>	<i>Activity</i>	<i>Date and year of Activity</i>	<i>Organization / Resource Person</i>
1	<i>Auto CAD & Basic Excel training Course</i>	<i>10/01/2023 to 07/02/2023</i>	<i>Meridian Training Services, Aurangabad Rudresh Patil Trainer</i>
2	<i>Revit Training</i>	<i>07/11/2022 to 09/12/2022</i>	<i>Excelize Software Pvt Ltd, Aurangabad Rupesh Ghodke, T Rupesh Ghodke, Trainer</i>
3	<i>Eye Check Up</i>	<i>06/03/2023</i>	<i>Raj Optical, Aurangabad Vishal Dalvi , Director</i>
4	<i>Grow a Tree</i>	<i>23/12/2022</i>	<i>Maharashtra Forest Department, Aurangabad Division S.M. Gujar, Chief Conservator of Forests</i>
5	<i>Current Environmental Effect</i>	<i>23/12/2022</i>	<i>Aurangabad Municipal Corporation Aditya Tiwari Assistant Project Manager</i>

Faculty Publications

<i>Sr No</i>	<i>Author</i>	<i>Title of Paper</i>	<i>Journal</i>
<i>1</i>	<i>Rushikesh V. Pakhale, Bhausahab R Sontakke Dr.Gajendra Gandhe, Dr.Durgesh H. Tupe</i>	<i>Mathematical Analysis of transverse displacement of Laminated beam with thermal load</i>	<i>Scopus Indexed Journal</i>
<i>2</i>	<i>Amena Ansari</i>	<i>A Study on recent advances in phase change materials and its experimental assessments in masonry construction technology</i>	<i>JOURNAL OF BUILDING PATHOLOGY AND REHABILITATION (2022)</i>
<i>3</i>	<i>Amena Ansari</i>	<i>An Analysis into the various aspects of phase change material, its properties and applications in different fields</i>	<i>Scopus Indexed Journal</i>
<i>4</i>	<i>Nitin Matsagar, Dr.Gajendra Gandhe, Dr.Durgesh H. Tupe</i>	<i>Analysis of wind load on steel structure in different terrain</i>	<i>International Institute of Research in Multidisciplinary-Skill Development Trust</i>

Faculty Publications

<i>Sr No</i>	<i>Author</i>	<i>Title of Paper</i>	<i>Journal</i>
5	Dr.Gajendra Gandhe, Dr.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.
6	Dr.Gajendra Gandhe, Dr.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
7	S.B. Deshmukh	·"Comparative Study of RC Elevated Water Tank"	Journal of Structural Engineering and Management, Vol. 10, Issue 3,2023 ISBN/ISSN no2393-8773.
8	Kavish G. Patwari	"Pushover Analysis of Hexagrid and Diagrid Structural Systems"	Journal of Applied Science and Computations Volume IX, Issue VIII, Aug-2022, ISSN NO: 1076-5131
9	Fatima Ansari	"Time History Analysis of Elevated Intze Water Tank by Using Staad Pro Software"	IJARESM, Volume 9, Issue: 7,july -22, ISSN: 2455-6211.

DEPARTMENTAL LABORATORIES

TRANSPORTATION ENGG. LAB



SURVEY LAB



ENGINEERING GEOLOGY



CONCRETE TECHNOLOGY LAB



COMPUTER LAB



NDT LAB



STRENGTH OF MATERIALS LAB



FLUID MECHANICS LAB



GEOTECHNICAL ENGG. LAB



ENVIRONMENTAL ENGG. LAB



Special Achievements



Sr.No.	Name of the Student	Percentage / CGPA	Academic Year
1.	Prayag Ankita Girish	70.73 %	2012-13
2.	Pankade Pallavi Murlidhar	82.20%	2013-14
3.	Karpe Pramod Kishor	85.53%	2014-15
4.	Sharma Aarti Rampal	81.13%	2015-16
5.	Kale Bhakti Prakash	85.60%	2016-17
6.	Lavhale Vishal Rajendra	87.93%	2017-18
7.	Hire Ashwini Vyankatrao	84.60%	2018-19
8.	Sawji Samiksha Santosh	9.04	2019-20
9.	Nabil Jamil Ahmad Ansari	9.35	2020-21
10.	Ghodke Shivam Prakash	9.56	2021-22





Department Research Grant



Funding Agency- DBATU Lonere

Scheme :- DBATU-VC-RPG-2023

Title :- Composite Grey Water Treatment System for Rural Household

Sanction Amount : 3 Lakhs Name of Investigators 1. Dr. G. R. Gandhe

2. Dr. S. D. Shinde 3. Prof. S. P. Nirkhe



Government of Maharashtra Act No. XXII of 1989, XXIX of 2014

Dr. Babasaheb Ambedkar Technological University Lonere

Office of Dean (R&D)

"Vidyavihar", LONERE 402103, Dist. Raigad, Maharashtra, India



Prof. (Dr.) Sachin M. Pore
Professor, Department of Civil Engineering
Dean (R. &D)

No. Dean (R&D)DBATU-VC-RPG-2023/01
Date: 30/03/2023

Declaration of List of Proposals Provisionally Shortlisted for Funding under DBATU-VC-RPG-2023

- References:** 1) MoM of FC dated 19/01/2023, circulated on 21/01/2023
2) MoM of AC dated 19/01/2023 circulated on 13/02/2023
3) Approval of Hon. Vice Chancellor for Scrutiny of received proposals 17/02/23
4) Announcement of Call for Proposal circulated to all faculty of DBATU Lonere, all Principals of affiliated colleges and website of DBATU
5) Approval dated 30/03/2023 for declaration of selection for proposals under DBATU-VC-RPG-2023 by Hon. Vice-Chancellor, Prof. (Dr.) K. V. Kale

It is pleasure, to place on record that in the first attempt to cultivate a quality research culture in DBATU family of faculty, we received Total - 214 Proposals. These were scrutinized by selection committee. Shortlisted proposals were granted presentation to panel of expert judges. With reference to no. 5 above, enclosed herewith is the list of proposals provisionally selected for financial grant under DBATU Vice Chancellor's Research promotion Grant (DBATU-VC-RPG-2023). All applicants are hereby directed to submit final copy of DPR to comply inclusion of:

- 1) review by experts after presentation
- 2) planning of research work distributed over 24 months
- 3) planning of allotted grant as distributed over first and second year with details of recurring and non-recurring requirement.

Format for submission of DPR remains as before. It is available on university website under "Research" tab. Applicants shall include full contact details such as name, address, email and cellphone number. DPR completed in all respects shall be emailed to dbatu_vc_rpg@dbatu.ac.in on or before 21/04/2023. A google form will be circulated to all applicants to collect summary of application. It is requested to note that University is in process to define norms of expenditure under DBATU-VC-RPG. These will be provided very soon and immediately after that 1st installment of grant will be disbursed. It is expected that these norms are strictly adhered while making expenditure. After review of performance after one year, there is scope of reappropriation of funds. Good performing projects may be allotted funds from poor performing projects. Sincere congratulations to all researchers and wish you all the best!!

Enclosure: List of selected proposals

Copy to Hon. Vice-Chancellor for kind favor of information.

- All Deans,
- All Heads of Department and Section Heads
- All Principals of affiliated colleges


Dr. Sachin M. Pore
Professor in Civil Engineering
Dean (R&D)

NABL ACCREDITATION

ABOUT NABL



National Accreditation Board for Testing and Calibration Laboratories (NABL) is an accreditation body, with its accreditation system established in accordance with ISO/ IEC 17011. “Conformity Assessment –Requirements for Accreditation bodies accrediting conformity assessment bodies. NABL is Mutual Recognition Arrangements (MRA) signatory to ILAC as well as APAC for the accreditation of Testing and Calibration Laboratories (ISO/IEC 17025), Medical Testing Laboratories (ISO 15189), Proficiency Testing Providers (PTP) (ISO/IEC 17043) and Reference materials producers (RMP).

- Constituent board of Quality Council of India [Autonomous body under Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce and Industry].

- NABL has been established with the objective to provide Government, Industry Associations and Industry in general with a scheme for third- party assessment of the quality and technical competence of testing and calibration laboratories.

- NABL offers accreditation services to the laboratories in a non- discriminatory manner.

- NABL is an accreditation body, with its accreditation system established in accordance with ISO/ IEC 17011. “Conformity Assessment – Requirements for Accreditation bodies accrediting conformity assessment bodies”.



-Dr.G.R.Gandhe

NABL ACCREDITATION

NABL Accreditation Services

- Testing laboratories in accordance with ISO/ IEC 17025 ‘General Requirements for the Competence of Testing and Calibration Laboratories’
- Calibration laboratories in accordance with ISO/ IEC 17025 ‘General Requirements for the Competence of Testing and Calibration Laboratories’
- Medical testing laboratories in accordance with ISO 15189 ‘Medical laboratories – Requirements for quality and competence’
- Proficiency Testing Providers (PTP) in accordance with ISO/IEC 17043 “Conformity assessment – General requirements for proficiency testing” and
- Reference material producers (RMP) in accordance with ISO 17034 “General requirements for the competence of reference material producers”.

What is Accreditation?

“Accreditation is the third-party attestation related to a conformity assessment body conveying formal demonstration of its competence, impartiality and consistent operation in performing specific conformity assessment activities”.

Third Party – National Accreditation Board for Testing and Calibration Laboratories (NABL)

Competence – Ability to apply knowledge and skills to achieve intended results.

Organization e.g. – Testing Laboratory

Specific tasks e.g. – Tensile Testing, Ultrasonic Testing, etc..

NABL ACCREDITATION

Benefits of Accreditation

International
Recognition



Access to Global Market



Time and Money Efficient



Enhanced customer
confidence and satisfaction



Robust Quality
Management
System



Continual
improvements

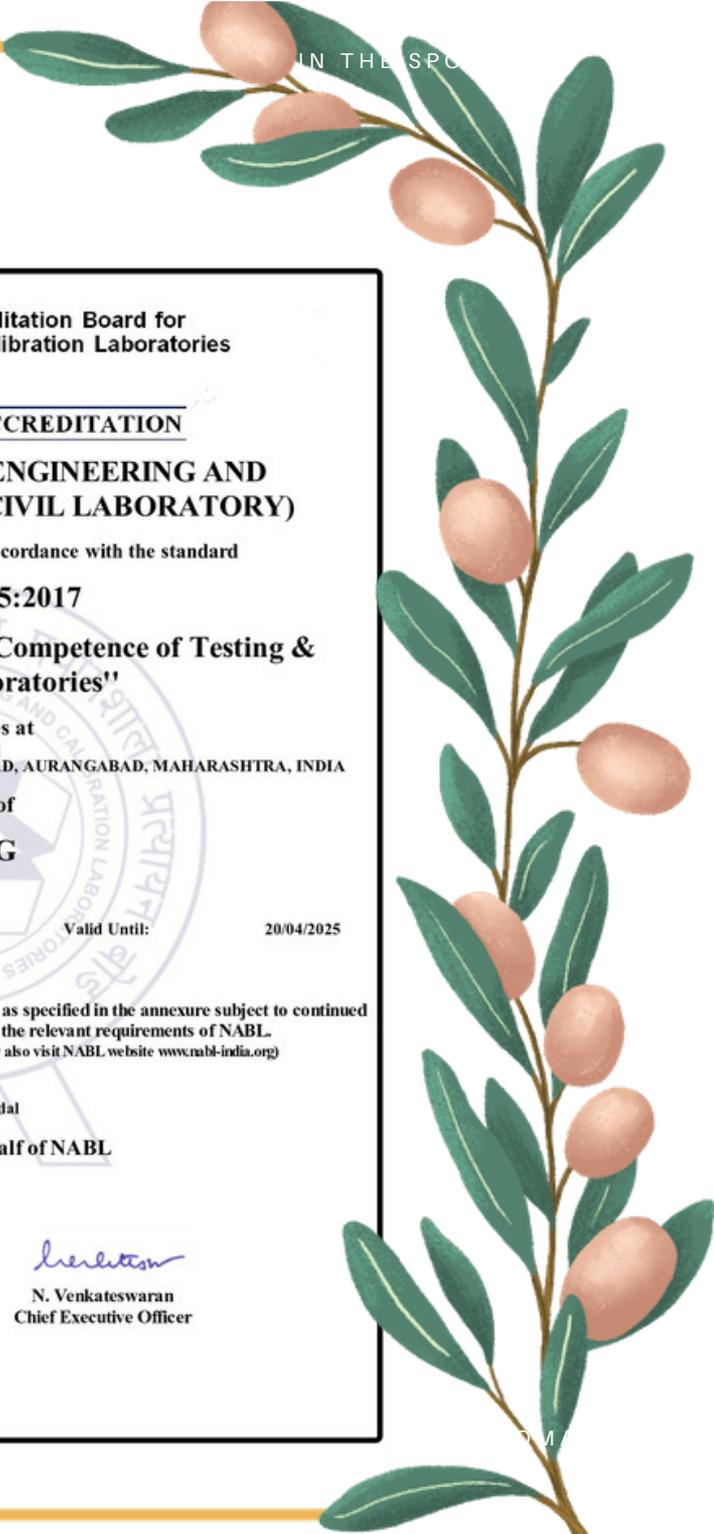


Cost Reduction



Better operational
Control

NABL ACCREDITATION



  National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

**DEOGIRI INSTITUTE OF ENGINEERING AND
MANAGEMENT STUDIES (CIVIL LABORATORY)**

has been assessed and accredited in accordance with the standard
ISO/IEC 17025:2017
**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at
DEOGIRI COLLEGE CAMPUS, RAILWAY STATION ROAD, AURANGABAD, MAHARASHTRA, INDIA

in the field of
TESTING

Certificate Number: TC-11565
Issue Date: 21/04/2023 Valid Until: 20/04/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : Marathwada Shikshan Prasarak Mandal

Signed for and on behalf of NABL




N. Venkateswaran
Chief Executive Officer

MEDIA COVERAGE

पुण्य नगरी

देवगिरीच्या प्रयोगशाळेला एनएबीएल मान्यता

छत्रपती संभाजीनगर : देवगिरी अभियांत्रिकी व व्यवस्थापनशास्त्र महाविद्यालयातील सिव्हिल अभियांत्रिकी विभागाच्या प्रयोगशाळेला नॅशनल ॲक्रेडिटेशन बोर्ड फॉर टेस्टिंग ॲण्ड कॅलीब्रेशन लेबोरेटरीज (एनएबीएल) मान्यता मिळाली आहे. एनएबीएल ही संस्था चाचणी आणि कॅलीब्रेशन प्रयोगशाळासाठी राष्ट्रीय मान्यता मंडळ म्हणून ओळखले जाते. एनएबीएल ही एक स्वतंत्र संस्था असून कॉलीटी कौन्सिल ऑफ इंडियाच्या (क्यूसीआय) अधिपत्याखाली काम करते, या अंतर्गत सरकारी संस्था, निमसरकारी संस्था आणि प्राथमिक संस्थांचे गुणवत्तेचे निष्पक्ष मुल्यमापन केले जाते. या प्रयोगशाळेमधील कॉर्कोट क्युब, पेव्हर ब्लॉक, वाळू, खडी. एन.डी.टी. टेस्टिंग तसेच लोखंड बांधकामासंबंधातील माती व मुरुम यांचे परिक्षण हे एन.ए.बी.एल. ने प्रमाणित केलेले आहे.

Chhatrapati Sambhajanagr Edition

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देवगिरी महाविद्यालयात उभारणार हवा गुणवत्ता केंद्र

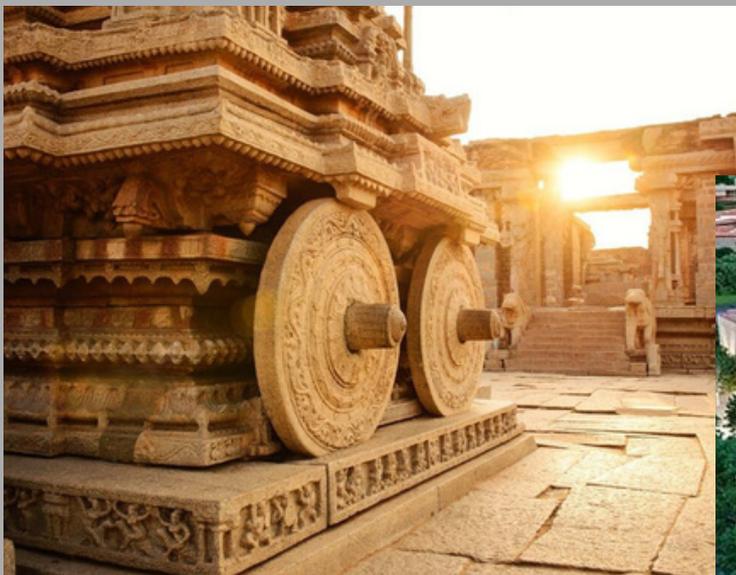
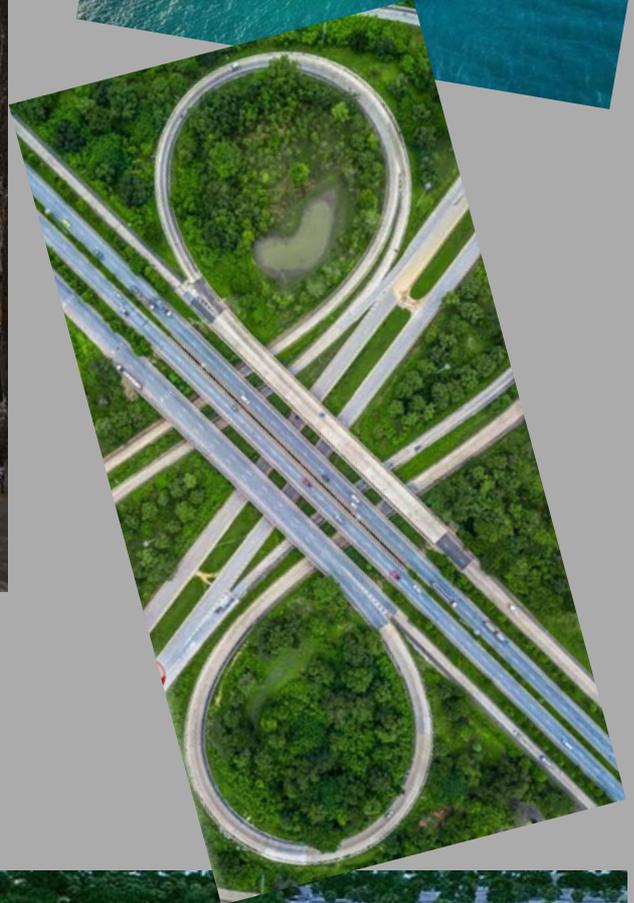
प्रतिनिधी | औरंगाबाद

मराठवाडा शिक्षण प्रसारक मंडळाच्या देवगिरी अभियांत्रिकी महाविद्यालय, महाराष्ट्र प्रदूषण नियंत्रण मंडळ, केंद्रीय प्रदूषण नियंत्रण मंडळ यांच्या संयुक्त विद्यमाने देवगिरी महाविद्यालयाच्या परिसरात सतत वातावरणातील हवा गुणवत्ता केंद्र (CAAQMS) उभारण्यात येणार आहे. या कामाचे संस्थेचे सरचिटणीस आमदार सतीश चव्हाण, महाराष्ट्र प्रदूषण मंडळाचे विभागीय प्रादेशिक अधिकारी डॉ. प्रवीण जोशी यांच्या हस्ते २२ ऑगस्ट रोजी भूमिपूजन केल्याचे महाविद्यालयाचे संचालक डॉ. उल्हास शिऊरकर दिली. या केंद्रासाठी महाविद्यालयाने महाराष्ट्र प्रदूषण नियंत्रण मंडळाला जागा उपलब्ध करून दिली आहे. या केंद्रामध्ये हवेतील विपारी वायू, धूलिकणाचे हवेतील प्रमाण दाखवणारे यंत्र उपलब्ध असतील. तसेच यात कार्बन मोनॉक्साइड, नायट्रोजन ऑक्साइड, अमोनिया आणि ओझोनसारखे विपारी वायूचे हवेतील प्रमाण महाराष्ट्र प्रदूषण नियंत्रण मंडळ आणि केंद्रीय प्रदूषण नियंत्रण मंडळाच्या संकेतस्थळावर दाखवले जातील. यामुळे पाच किलोमीटर परिघाच्या आतील हवेतील विपारी घटक,

तापमान, आद्रता, पाऊस, हवेची दिशा व तीव्रता, सूर्याच्या किरणांचे मापन, अभ्यास व विश्लेषण करण्यास मदत हाईल, असे डॉ. शिऊरकर

प्रसाच्या हार्दिक शुभेच्छा

शुभेच्छक-
संजय तुळशीराम जाटवे
(मोठे बाबा), संध्या संजय
जाटवे (मोठी आई),
अनिता सुनील जाटवे
(आई-बाबा), सभद्राबाई





MARATHWADA SHIKSHAN PRASARAK MANDAL'S
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MANAGEMENT STUDIES
DEOGIRI COLLEGE CAMPUS, STATION ROAD,
AURANGABAD-431005 (M. S.)

PH. No. 0240 - 2367575, 2367555, 2367546

Email Id: admin@dietms.org.

Website: www.dietms.org