



KOLHAPUR INSTITUTE
OF TECHNOLOGY'S
**COLLEGE OF
ENGINEERING**
(AUTONOMOUS),
KOLHAPUR



NEWSLETTER

AY 2022-23

SEMESTER- I

व्यवहार

DEPARTMENT OF CIVIL ENGINEERING



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Inside.....

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- Activities conducted by department
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Executive Editor's Desk



I am delighted to present to you the third edition of AVALOKAN Volume-03 Issue-1, the department of civil engineering's newsletter, which emphasizes on the accomplishments and happenings during the previous six months (AY 2022-23 Semester-I).

I would like to thank Dr. Mr. M. A. Chavan (HOD, Civil) for ongoing inspiration, contributions, and intermittent feedback for the final draft of "AVALOKAN." I would also like to thank editorial committee for continuous feedback. I express my sincere gratitude to the Management, Executive Director, Director, and HOD for their support, encouragement, and openness to our ideas. I sincerely hope you enjoy reading the pages that come next.

About the department

The department of civil engineering was established in year 1988. The intake capacity is 120. The department is equipped with total 10 labs with an investment of Rs. 1,36,93,135.86 which are used for various academics, research and consultancy works.

The department of civil Engineering has accredited by NBA thrice for three years terms 2005, 2008 and 2018. The Department is again maintaining an accredited status since 2020.

The Department and students are benefited by knowledge rich academicians having more than 30 years of experience in field, teaching and consulting engineering projects.

Executive Director's Message



I am indeed happy to know that the Civil Engineering department has taken initiative in realizing its biannual newsletter "Avalokan" and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of Civil Engineering.

Director's Message



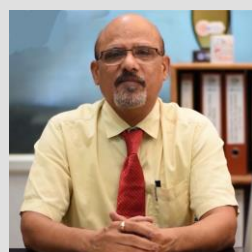
Dear Readers,

With an immense pleasure, I welcome the third edition of "Avalokan", a biannual newsletter of Department of Civil Engineering. It is our cumulative efforts to provide an intriguing platform to design our future course of action in coherence to innovate, experiment, lead and learn, with the vision of the individual departments and the institute. It showcases their activities, initiatives and achievements.

At the outset, I congratulate the entire team for initiating a new concept in the form of a Newsletter that it coupled with creativity and confidence. I hope it will prove to be a milestone, creating enormous innovations and interest in readers mind. I extend my congratulations to all the contributors as this newsletter is the result of their tireless effort and determination. I wish and hope as days past, this newsletter would grow to the best of itself. With this message, keep turning the page on making the dream work!

#team work made the dream work

HOD's Message



I am very happy to announce that our Civil Engineering Department is releasing the Departmental Newsletter "Avalokan" for Academic Year 2022-23 Semester-I (Volume-03 Issue-I).

This newsletter provides an overview of how a department develops over the course of a semester, including faculty growth, student activities, and industrial interaction.

In conclusion, our collective efforts have been focused on creating a platform for assessment so that we may plan our future course of action in line with the vision of the department and the institute. I congratulate the Executive editor and Editorial committee for their great effort to make this news letter as a reality. Also I invite the readers of newsletter for their contribution and suggestions.

Vision

To produce a dynamic and compatible civil engineer who will meet the requirements of local and global industries and impart services to the society.

Mission

- To make the students responsible towards society through technical guidance, exhibition and awareness campaigns.
- To inculcate flexibility and dynamism in instructional method along with sound knowledge base through modern tools, discipline and hard work.
- To create academic excellence by encouragement to students for participation and to win laurels for attaining self-esteem and personality development.
- To inculcate discipline and hardworking attitude in students.

Program Outcomes

Engineering knowledge- Apply the knowledge of mathematics, science, engineering fundamentals, and engineering specialization to the solution of complex engineering problems.

Problem analysis- Identify, formulate, research literature, and analyze engineering problems to arrive at substantiated conclusions using first principles of mathematics, natural, and engineering sciences.

Design/development of solutions- Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.

Conduct investigations of complex problems- Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

Modern tool usage- Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

The Engineer and society- Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

Environment and sustainability- Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Ethics- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Individual and team work- Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.

Communication- Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions.

Project management and finance- Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

Life-long learning- Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

1. **Foundation for work on site-** Ability to understand, visualize & work on site quality control systems through consultancy work in the department.
2. **Ability to apply knowledge-** Ability to apply knowledge in various fields to provide solution to new ideas and innovations through the departmental expertise in various fields in civil engineering.
3. **Pursue Career Path-** Show excellent performance in academics to pursue higher studies and succeed in engineering service examinations.

Program Educational Objectives

Graduates, after completion of programme will be able to:

1. **Preparation-** To pursue an education in enriching knowledge of civil engineering.
2. **Core Competence-** To work with a firm foundation in mathematical, scientific, engineering and logical fundamentals of civil engineering required to solve civil engineering problems and also to pursue higher studies.
3. **Breadth-** To exhibit good scientific and engineering breadth related to computers, environmental issues and remote electronic applications so as to comprehend, analyze, design and execute civil engineering projects.
4. **Professionalism-** To acquire professional and ethical attitude, effective communication skills, teamwork and leadership skills and ability to relate various issues for uplift.
5. **Learning environment-** To have an academic environment excellence, leadership, guidelines and lifelong learning needed for successful professional career in civil engineering.

ACTIVITIES

Sr. No.	Name of Activity	In-Charge	Date
1	Industrial Visit to Radhanagari Dam	Mr. Omkar P. Suryawanshi	29-06-2022
2	One week Training program on “Software Application in Structural Engineering”	Mr. Omkar P. Suryawanshi	19-07-2022 to 24-07-2022
3	One day Training program on “How to prepare for DXC”	Mr. Guruprasad A. Chavan	19-07-2022
4	One week online national level workshop on "Recent Advances in Port & Harbor"	Mr. Samarth S. Shirol	04-08-2022 to 08-08-2022
5	One week online hands on training program on “Introduction to Soil and Water Assessment Tool (SWAT)” using open source tools (QSWAT Modelling)	Dr. Vidula Swami, Mrs. Vasundhara H. Lavangare	20-08-2022 to 29-08-2022
6	Orientation Program for S.Y. B.Tech. 2022-23	Mr. Shital Kolekar and all teaching and non teaching faculty	13-09-2022
7	Inauguration of Indian Geotechnical Society Student Chapter	Mr. Guruprasad A. Chavan	15-09-2022
8	Expert Lecture on "GATE Preparation 2023"	Mr. Suraj V. Shah	18-09-2022
9	Workshop on "Hand-on Training on TS, DGPS & QGIS"	Mr. Sheetal S. Varur Mr. Suraj V. Shah	24-09-2022 to 26-09-2022
10	One Day Workshop on “Career opportunities for Civil Engineering students in the software industry”	Mr. Guruprasad A. Chavan	20-10-2022
11	Three Days Technical Training for TATA POWER	Mr. Guruprasad A. Chavan	06-11-2022
12	Field Visit- Site Exploration of Six laning of National Highway Project	Mr. Guruprasad A. Chavan	10-11-2022
13	Industrial Visit "MHADA Housing Project"	Mr. Abhijeet D. Patil	23-11-2022
14	One Day Technical Training for Adani Group	Mr. Guruprasad A. Chavan	07-12-2022
15	Placement opportunities for Civil Engineering students	Mr. Guruprasad A. Chavan, Dr. Amit Sarkar	20-12-2022

Industrial Visit to Radhanagari Dam and Kalamawadi Dam



The department of Civil Engineering organized industrial visit to Radhanagari dam and Kalamawadi Dam for Second Year B. Tech students as part of curriculum for subject Hydrology and Water Resources Engineering & Environmental Engineering on 29th August 2022. Two faculties Mr. O. P. Suryawanshi and Mr. S. S. Shirol accompanied the visit.

The purpose of visit was to make students understand components of dam and details about Inspection and Maintenance, Safety Assessment, Upgrade and Rehabilitation, Research and Study, Monitoring and Data Collection

Overall, the objective of a site visit to a dam was to assess its current condition, identify any issues, and plan for future improvements or maintenance.

One Week Training Program on “Software Application in Structural Engineering”

DEPARTMENT OF
CIVIL ENGINEERING



ONE WEEK TRAINING PROGRAMME ON
SOFTWARE APPLICATION IN STRUCTURAL
ENGINEERING

Schedule of starts from
19th - 24th July 2022

Training Program Outcomes

Modeling, Analysis and Design of RCC Residential
Building Using IS 456:2000.

Modeling, Analysis And Design of Steel Structures
Using IS 800:2007

Scan QR code
for Registration

Registration link:

<https://forms.gle/hxPmK5N1oGbhQtKD9>



Mr. O. P. Suryawanshi
Programme co-ordinator

Mr. S.B. Mohite
Training Coordinator

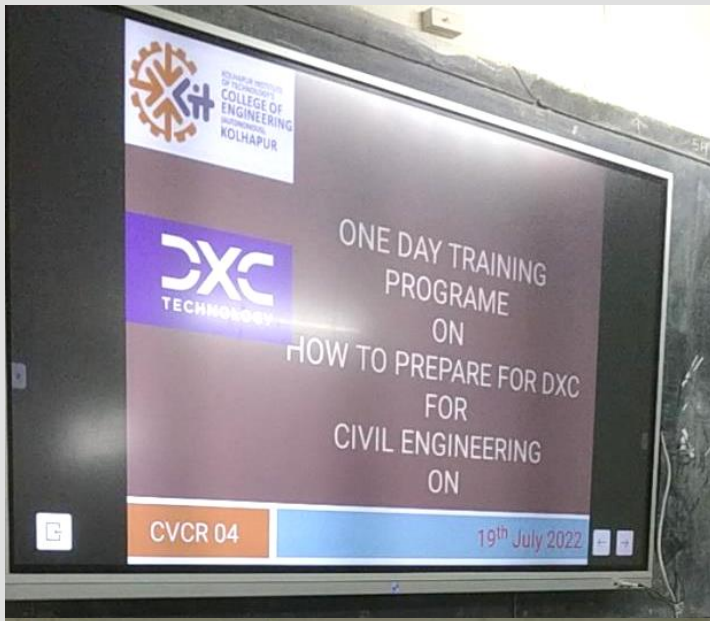
Mr. M. A. Chavan
Head, Civil Engg. Dept.



Department of Civil Engineering had organized one week Training program on “Software Application in Structural Engineering” from 19th July 2022 to 24th July 2022. The training program was arranged for students of third year and final year B.Tech. to make them competent in field of Structural Engineering.

The training was taken by Asst. Prof. Omkar Prakash Suryawanshi. Students were able to learn Modelling, Analysis and Design of both RCC Residential Buildings and Steel Structures.

One Day Training Program on “How to Prepare for DXC”




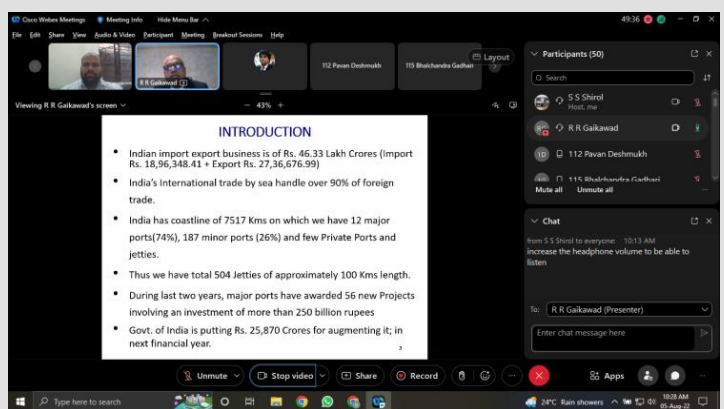
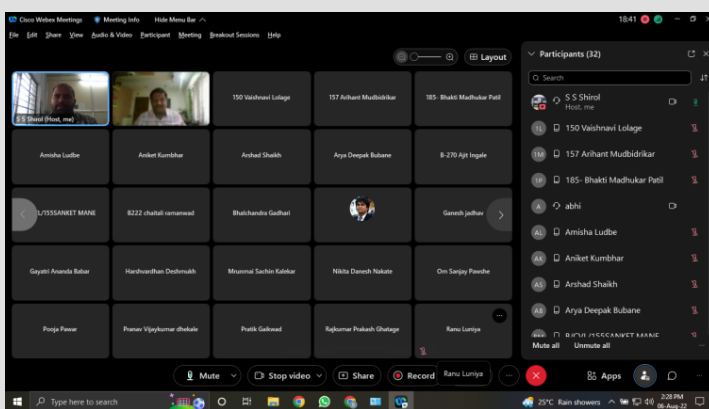
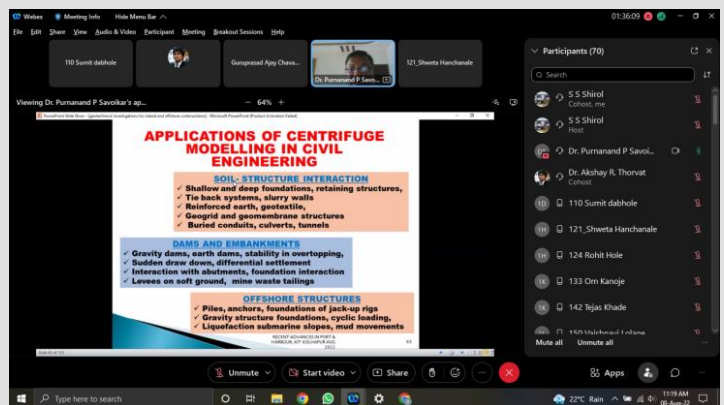
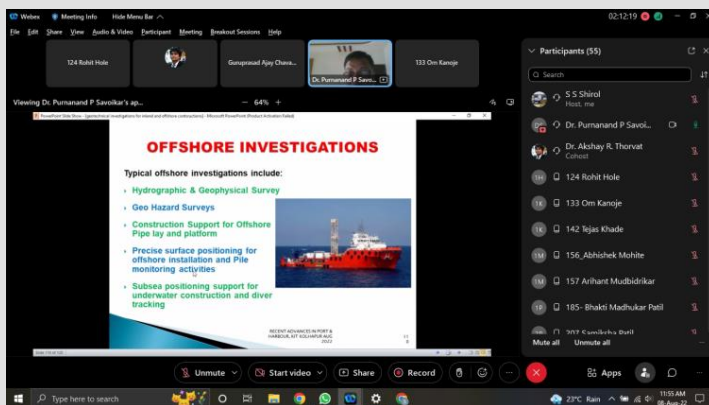
Department of Civil Engineering had organized one day Training program on “How to prepare for DXC” on 19th July 2022 prior to interview schedule of Dixon Technologies. Total 19 students were shortlisted for interview. The training was give by Asst. Prof. Guruprasad Chavan.

This training was arranged especially for DXC interview process and skills sets related to resume formation, coding, software language and overall preparation. In addition to this structured question bank was also provide to students with well designed answers. As result our 9 students were selected with pay package of 4.20 LPA.

One week national level workshop on "Recent Advances in Port & Harbor"

<p>PATRONS</p> <p>Hon. Shri. Sunil Kulkarni Chairman, KIT</p> <p>Hon. Shri. Sajid Hudli Vice-Chairman, KIT</p> <p>Hon. Shri. Deepak Chougale Secretary, KIT</p> <p>ADVISORY COMMITTEE</p> <p>Dr. V. V. Karjinni Executive Director, KIT</p> <p>Dr. M. B. Vanarotti Director, KIT's CoE</p> <p>Dr. M. M. Mujumdar Registrar, KIT's CoE</p> <p>Mr. Mohan Chavan Asso. Professor & Head, Civil Engg. Dept., KIT</p> <p>Dr. Akshay R. Thorvat Head, Civil & Environmental Engg. Dept., KIT</p> <p>Er. (Dr.) M. B. Chougale Chairman, Kolhapur Local Centre, IEI</p> <p>Er. P. V. Kulkarni Hon. Secretary, Kolhapur Local Centre, IEI</p>	<p>RESOURCE PERSONS</p> <p>All the resource persons are from renowned academic institutions spread across India and working professionals with significant experience.</p> <p>COORDINATOR</p> <p>Mr. S. S. Shirol Assistant Professor Civil Engineering Department KIT's College of Engineering, Kolhapur Contact : 8412053531 Email: shivji_samarth@kitcoeek.in</p> <p>COMMITTEE MEMBERS</p> <table border="0"> <tr> <td>Er. S. G. Dige</td> <td>Dr. (Mrs.) V. A. Swami</td> </tr> <tr> <td>Er. H. V. Sadolikar</td> <td>Er. S. V. Lipare</td> </tr> <tr> <td>Er. S. S. Varur</td> <td>Er. S. S. Mane</td> </tr> <tr> <td>Er. S. M. Kolekar</td> <td>Er. A. B. Sawant</td> </tr> <tr> <td>Er. V. S. Suryawanshi-Patil</td> <td>Er. S. G. Sawant</td> </tr> <tr> <td>Er. V. H. Lavangao</td> <td>Er. V. H. Lavangao</td> </tr> <tr> <td>Er. V. G. Waskar-Patil</td> <td>Dr. R. V. Nalawade</td> </tr> <tr> <td>Er. S. S. Jadhav</td> <td>Er. R. B. Shankargouda</td> </tr> <tr> <td>Er. S. B. Mohite</td> <td>Dr. A. K. Khebudkar</td> </tr> <tr> <td>Er. G. A. Chavan</td> <td>Er. R. B. Dongale</td> </tr> <tr> <td>Er. A. A. Ulagaddi</td> <td>Er. S. V. Shah</td> </tr> <tr> <td>Er. R. R. Chavarekar</td> <td></td> </tr> <tr> <td>Er. O. P. Suryawanshi</td> <td></td> </tr> </table>	Er. S. G. Dige	Dr. (Mrs.) V. A. Swami	Er. H. V. Sadolikar	Er. S. V. Lipare	Er. S. S. Varur	Er. S. S. Mane	Er. S. M. Kolekar	Er. A. B. Sawant	Er. V. S. Suryawanshi-Patil	Er. S. G. Sawant	Er. V. H. Lavangao	Er. V. H. Lavangao	Er. V. G. Waskar-Patil	Dr. R. V. Nalawade	Er. S. S. Jadhav	Er. R. B. Shankargouda	Er. S. B. Mohite	Dr. A. K. Khebudkar	Er. G. A. Chavan	Er. R. B. Dongale	Er. A. A. Ulagaddi	Er. S. V. Shah	Er. R. R. Chavarekar		Er. O. P. Suryawanshi		<p>COLLEGE OF ENGINEERING KOLHAPUR</p> <p>Kolhapur Institute of Technology's COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR DEPARTMENT OF CIVIL ENGINEERING & ENVIRONMENTAL ENGINEERING in association with</p> <p>The Institution of Engineers (India) (ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1932) Kolhapur Local Centre</p> <p>One Week National Workshop on "Recent Advances in Port & Harbour" Online Mode</p> <p>(04th Aug 2022 to 08th Aug 2022)</p> <p>Institute Website: www.kitcoeek.in</p>
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<p>INTRODUCTION</p> <p>Ports & Harbour form a major component of Water Transport Network in our country. The infrastructure development in this sector has been remarkable in the recent years. The ports in India handle 95% of trade volume. There are 12 major ports in the country - 6 on the eastern coast and 6 on the western coast. India has ~205 non-major ports. In FY22 all key ports in India handled 650.52 million tonnes (MT) of cargo traffic. In Union Budget 2022-23, the total allocation for the Ministry of Shipping was Rs. 1,709.50 crore (US\$ 223.1 million).</p> <p>Strong growth potential, favourable investment climate and steps provided by state governments have encouraged domestic and foreign private players to enter the Indian ports sector. In addition to the development of ports and terminals, the private sector has extensively participated in port logistics services. The Indian government announced that seven major ports worth US\$ 274 million will commence operations under the public-private partnership model in 2021-22.</p> <p>In June 2021, Adani Ports and Special Economic Zone Ltd (APSEZ) handled cargo volume of 75.69 MMT, registering a YoY growth of 83%, in the first quarter of FY 2021-22. With rising demand for port infrastructure due to growing import (crude, coal) and containment, public ports (major ports) will fall short of meeting demand.</p>	<p>OBJECTIVES</p> <ul style="list-style-type: none"> To address key Terminologies, Concepts, Challenges in Port and Harbour Development. To understand the design considerations for water front structures. To discuss the general functions, responsibilities and planning frameworks and actions of all operational units. To focus on safety operations and sustainable development of Port Infrastructure. To discuss the scope and opportunities for Civil Engineering graduates in the sector. <p>TARGET AUDIENCE</p> <p>This workshop is organized for the students enrolled in B.Tech Civil and Civil and Environmental Engineering Programme who will be entering their final year in Academic Year 2022-2023.</p> <p>HOW TO APPLY</p> <p>The students of Final Year Engineering are instructed to fill out the google form by visiting the Link.</p> <p>Alternatively, they can scan the below QR code.</p> 	<p>ABOUT KIT'S COEK</p> <p>A distinguished Premier Institute in Engineering & Technology, Kolhapur Institute of Technology was founded by a group of visionary leading industrialist, professionals & educationalist in 1983. The first amongst self financed engineering colleges in Maharashtra, KIT has focused mission to transform into a Centre of Excellence in Engineering Education & Research. KIT is located 7 kms away from Kolhapur city & 2.5 kms from Shivajy University, it has a beautiful campus with internet access through Wi-Fi facility.</p> <p>ABOUT THE DEPARTMENT</p> <p>The department of Civil Engineering was established in year 1988 with an intake capacity of 30 students. The intake capacity was then increased to 60 in the year 2007 & revised to 120 in year 2011. The department is equipped with total 10 labs with an investment of Rs. 1,36,93,135.86 which are used for various academics, research and consultancy works.</p> <p>The college has been accredited by NAAC with 3.12 CGPA. The department of Civil Engineering has been accredited by NBA three for three years terms 2005, 2008 and 2018 earlier. The Department is again maintaining an accredited status since 2020. The college has been granted autonomous status as well from the year 2017-18.</p>
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The Department of Civil & Civil and Environmental Engineering in association with The Institution of Engineers India, Kolhapur Local Centre had organized a one week national level workshop on "Recent Advances in Port & Harbour" in online mode from 04th August 2022 to 08th August 2022. The said workshop was organized with a motive of making the students aware of the developments happening in the water based transportation. This workshop is also going to benefit them hugely in the upcoming potential campus placement opportunities.

The workshop was organized by Mr. S. S. Shirol, Assistant Professor of Civil Engineering Department and Dr. A. R. Thorvat, Associate Professor & Head, Civil and Environmental Engineering Department.

All the resource persons invited for this workshop were industry professionals with vast experience of executing port infrastructure projects. The workshop received the necessary guidance from Dr. V. V. Karjinni, Executive Director, KIT.

One week hands-on training program on “Introduction to Soil and Water Assessment Tool (SWAT) using open source tool (QSWAT)”

PATRONS

Hon. Sunil Kulkarni
Chairman, KIT Kollhapur

Hon. SajidFudli
Vice-Chairman, KIT Kollhapur

Hon. Deepak Chougale
Secretary, KIT Kollhapur

ADVISORY COMMITTEE

Dr. V. V. Karjinal
Executive Director, KIT, Kollhapur

Dr. M. B. Vanarotti
Director, KIT's CoE, Kollhapur

Er. M. A. Chavan
Head, Civil Engineering Dept.,
KIT's CoE, Kollhapur

Introduction to Soil and Water Assessment Tool (SWAT) using open source tools

Fees Rs. 3000 per Student
And Rs. 5000 for academicians

5 days hands on
Online training program

20th 21st, 27th, 28th, 29th August 2022

Workshop Coordinators

Dr. Vidula A. Swami
Professor, Civil Engg. Dept.
Contact: 8551990900
Email: swami.vidula@kitcoek.in

Mr. S. S. Varur
Asst. Professor, Civil Engg. Dept.
Contact: 9225815108
Email: varur.sheela@kitcoek.in

Ms. V. H. Lavangare
Asst. Professor, Civil Engg. Dept.
Contact: 738278851
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DEPARTMENT OF CIVIL ENGINEERING

Kolhapur Institute of Technology's
COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR



In Association with

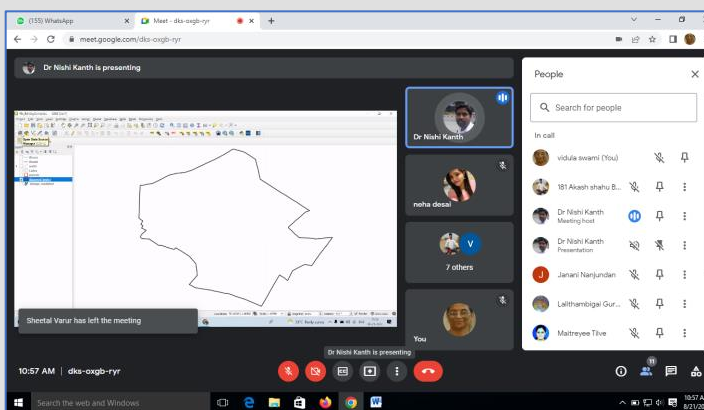
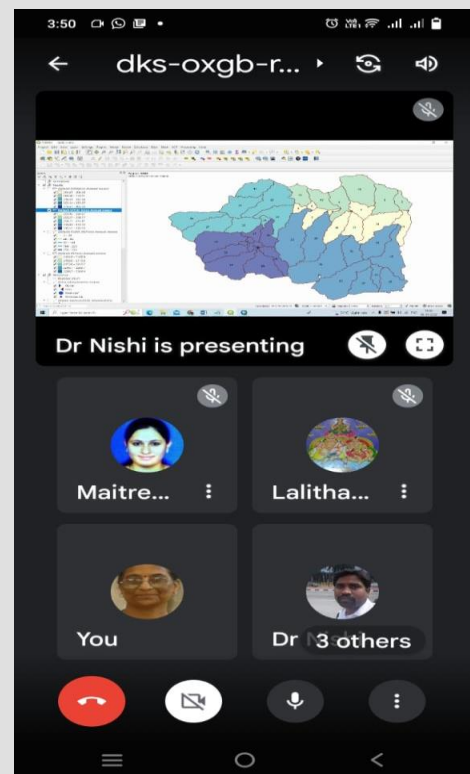
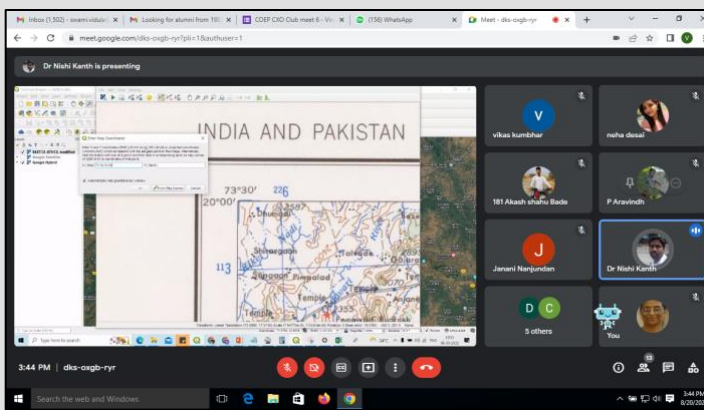
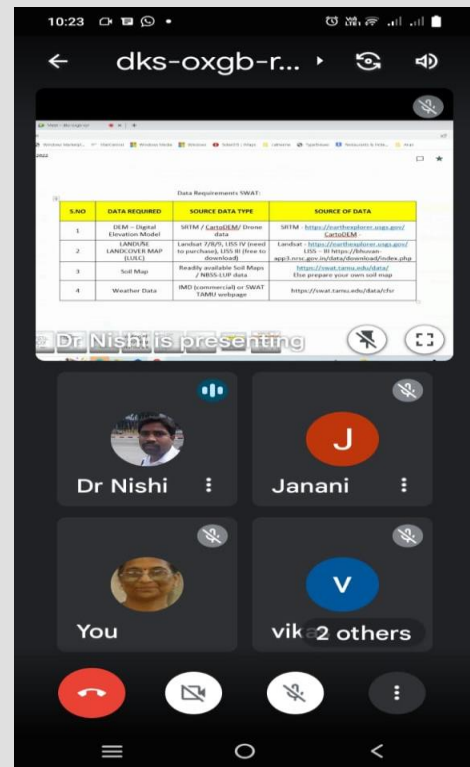


Soil & Water Assessment Tool SWAT

Introduction to Soil and Water Assessment Tool (SWAT) using open source tools

20th 21st, 27th, 28th, 29th August 2022

RESOURCE PERSON
Dr. Nishikanth C.V.



Department of Civil Engineering organized one week hands on training program jointly with HAGROIS company, Chennai on “Introduction to Soil and Water Assessment Tool (SWAT)” using open source tools (QSWAT Modelling) from 20th August to 29th August on week end days. Many Ph.D. scholars along with our students attended the training.

The training made the students to get know about the basics of QGIS, and SWAT. Data preparation for the entire QSWAT. This training made students confident in working with QSWAT.

The training was taken by Dr. Nishikanth C.V.



Department of Civil Engineering had organized a inaugural function of Indian Geotechnical Society (IGS)-Student Chapter on Thursday, 15th September 2022, at 10.30 am.

The guests invited for the inaugural function were Er. Vikas Patil (Chairman- IGS Pune Chapter), Er. Sunil Bhavsar (Executive committee member Pune Chapter) The expert speaker invited for the inaugural function was Er. Vikas Patil (Chairman- IGS Pune Chapter).

The expert speaker Er. Vikas Patil Reddy delivered an expert talk on the topic on Innovative Technologies for High Rise Retention "Graviloft Technology". Which is used for high side retention, retaining wall. Expert also guided students on future and scope in geotechnical engineering.

Total 120 participants were present for this inaugural function of IGS- Student Chapter KITCOEK.

Prof. G. A. Chavan Faculty Advisor of Student Chapter did the announcements of students representatives For IGS- Student Chapter. The following student members took the oath for the various posts of this 'IGS- Student Chapter', KITCOEK.

- Mr. Ranjitsinh Dagadu Kumbhar- President
- Mr. Nilesh Ramchandra Dudhalkar- Vice President
- Ms. Vedanti Mohan Chavan- Secretary
- Ms. Sakshi Shivaji Nesarkar- Treasurer

KIT's College of Engineering (Autonomous),
Kolhapur

DEPARTMENT OF CIVIL ENGINEERING

Expert talk on
GATE PREPARATION 2023

By Mr. Aniket Budhale
GATE AIR (143)

DATE- 18/09/2022
DAY- Sunday
TIME- 11.30 am
VENUE- CVCR04



Following will be the agenda's of the sessions

- GATE Syllabus in details
- How to Prepare for GATE 2023-24
- IIT/ NIT admission through GATE
- Job opportunity through GATE
- A glance of UPSC conducted Indian Engineering Services Exam

Mr. S. V. Shah
Coordinator

Prof. M. A. Chavan
HOD

Dr. M. M. Mujumdar
Registrar

Dr. M. B. Vanarotti
Director



Dr. V. V. Karjinni
Executive Director

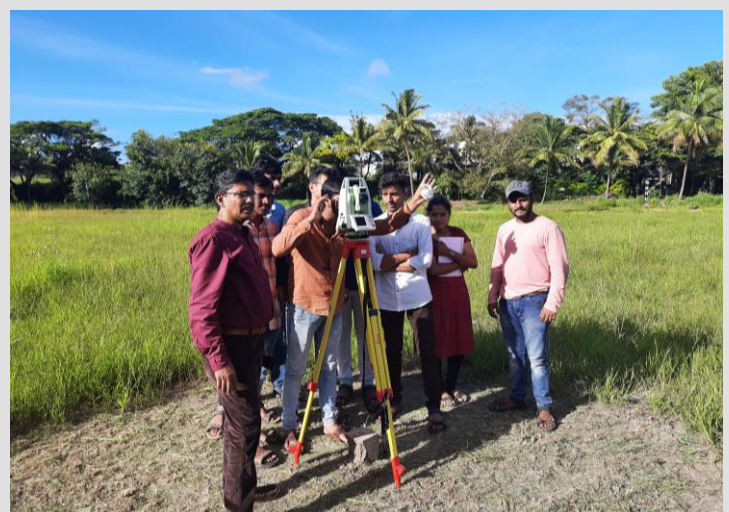


Department of Civil Engineering has organized Expert lecture on "GATE Preparation 2023" for third year students on 18th September 2022. Guest for Expert lecture was Mr. Aniket Budhale (GATE AIR 143). This expert lecture was arranged keeping the mind upcoming GATE exam of 2023. Mr. Aniket Budhale gave detailed information on GATE syllabus, preparation techniques, benefits and admission through GATE. He also gave insight about UPSC exam and its preparation.

Students got guidance from the GATE expert which benefitted them the get clear image of preparation techniques and also got some idea about UPSC which will definitely benefit them in preparation of exams.

Five Days Workshop on “Hands-on Training on Total Station, DGPS and QGIS”

<p>Introduction:</p> <p>> A total station is an electronic/optical instrument used in modern surveying and building construction that uses electronic transit theodolite in conjunction with electronic distance meter (EDM). It is also integrated with microprocessor, electronic data collector and storage system.</p> <p>> Differential Global Positioning System, (DGPS) is an enhancement to Global Positioning System that uses a network of fixed ground based reference stations to broadcast the difference between the positions indicated by the satellite systems and the known fixed positions.</p> <p>> QGIS functions as geographic information system (GIS) software, allowing users to analyze and edit spatial information, in addition to composing and exporting graphical maps. QGIS supports raster, vector and mesh layers. Vector data is stored as either point, line, or polygon features. Multiple formats of raster images are supported, and the software can georeference images.</p> <p>Objective:</p> <p>> To handle modern mapping instruments Total Station, DGPS and GIS software QGIS software.</p> <p>Outcome:</p> <p>> To measure length, angle, RL, area, remote height, remote distance & staking out small plan using Total Station.</p> <p>> To obtain global coordinates and elevation w.r.t. MSL using radio and GSM network using DGPS.</p> <p>> To view, edit, print, and analyze geospatial data using free and open tool QGIS software.</p>	<p>Patrons</p> <p>Shri. Sunil Kulkarni (Chairman, KIT) Shri. Sajid Huddi (Vice Chairman, KIT) Shri. Deepak Chaugule (Secretary, KIT)</p> <p>Advisory Committee</p> <p>Dr. V. V. Karjinni (Executive Director, KIT) Dr. M. B. Vanaratti (Director, KIT's CoE (Autonomous)) Dr. M. M. Mujumdar (Registrar, KIT's CoE (Autonomous)) Er. M. A. Chavan (HOD, Civil Engineering) Dr. V. A. Swami (Professor, Civil Engineering)</p> <p>Coordinator</p> <p>Er. Sheetal S. Varur, (Asst. Prof., Civil Engineering), 9225815108</p> <p>Co-coordinator</p> <p>Mr. Suraj V. Shah, (Asst. Prof., Civil Engineering), 9940476926</p> <p>Target Participants</p> <p>The faculty members and students of engineering and polytechnic institutions, research scholars, PG Scholars etc.</p> <p>Instructions to Participants</p> <ul style="list-style-type: none"> • Registration fees- 4000 Rs./- • Certificate will be provided after successful attending and completing workshop. • Last date of registration - 22/09/2021 • Mode of conduction - Offline <p>Scan QR code to register for workshop</p> <p>Registration Link: http://svrl.it/ibwhg</p>	<p>KIT's College of Engineering (Autonomous), Kolhapur</p> <p>DEPARTMENT OF CIVIL ENGINEERING</p> <p>organizes</p> <p>Five Days Workshop on "Hands-on Training on Total Station, DGPS and QGIS"</p>  <p>24th to 26th September 2022 and 16th & 17th October 2022</p> 
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Department of Civil Engineering one week workshop on “Hands-on Training on Total Station, DGPS and QGIS” from 26th to 28th September and 16th to 17th October 2022. The workshop was organized with a motive of make the students to handle modern mapping instruments Total Station, DGPS and GIS software QGIS software.

Students will be able to stake out small plan using Total Station also can obtain global coordinates using DGPS and analyze geospatial data using QGIS software

The workshop was organized by Mr. S. S. Varur and Mr. S. V. Shah.

One Day Workshop on “Career opportunities for Civil Engineering students in the software industry”



Department of Civil Engineering had organized One Day Workshop on “Career opportunities for Civil Engineering students in the software industry”. Purpose was make student more competent for campus drive especially for Capgemini on 20th October 2022.

The one day workshop was coordinated by Mr. G. A. Chavan, Placement coordinator, Civil Engineering Department, KITCoEK.

Speaker-

- Ms. Yashashwini Dhanyakumar Patil, Software Engineer (Analyst), Capgemini India
- Mr. Neel Prakash Akolkar, Software Engineer (Senior Analyst), Capgemini India

In this workshop total two sessions each of two hours were conducted.

Mr. Neel guided on technical terms of software industry, various opportunities and overall process of placement drive with details of all stages interview.

Ms. Yashawini explored the initial challenges while entering in the software industry for civil engineer and also guided on how to prepare for the same.

Student got knowledge of challenges as well as opportunities in the Software Industry for civil engineers.

Three Days Technical Training for TATA POWER



Department of Civil Engineering had organized Three days Technical Training for Final Year students for TATA Power Campus Drive-2022. Purpose was to make student more competent for campus drive.

The three day training was coordinated by Mr. G. A. Chavan, Placement coordinator, Civil Engineering Dept, KITCoEK.

All the faculties of department delivered the sessions. Total 6 sessions of 2 hours each were delivered during this three day training.

This training benefitted the students and as a result total 09 students are placed with pay package of 6.64 LPA.

Field Visit- Site Exploration of Six laning of National Highway Project



Kagal, Maharashtra, India
Kagal Bus Depo, Service Rd, Kagal, Maharashtra
416216, India
Lat 16.591599°
Long 74.30841°
10/11/22 12:07 PM GMT +05:30



Kagal, Maharashtra, India
H8HF+Q2V, Kagal, Maharashtra 416216, India
Lat 16.579271°
Long 74.323012°
10/11/22 01:17 PM GMT +05:30



Kagal, Maharashtra, India
SHAHU SARKAR KARKHANA, near KAGAL,
Kagal, Maharashtra 416216, India
Lat 16.59661°
Long 74.308384°
10/11/22 11:00 AM GMT +05:30



Kagal, Maharashtra, India
Kagal Bus Depo, Service Rd, Kagal, Maharashtra
416216, India
Lat 16.591616°
Long 74.308131°
10/11/22 12:02 PM GMT +05:30



Kagal, Maharashtra, India
H8X4+2PV, Pune - Bengaluru Hwy,
Kagal, Maharashtra 416216, India
Lat 16.597982°
Long 74.307605°
10/11/22 10:32 AM GMT +05:30

Kagal, Maharashtra, India
6, NH 48, near Laxmi Tekdi, GIDC,
Kagal, Maharashtra 416216, India
Lat 16.600817°
Long 74.307238°
10/11/22 10:32 AM GMT +05:30

Department of Civil Engineering had organized field visit for T.Y. B.Tech. students to "Six laning of National Highway" (Kolhapur to Satara) and visit to MHADA Construction site on 22nd November 2022.

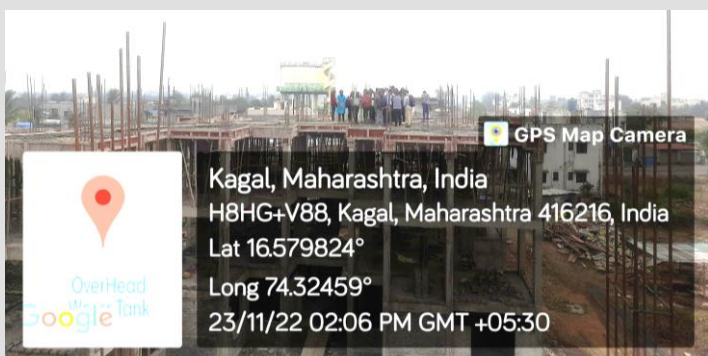
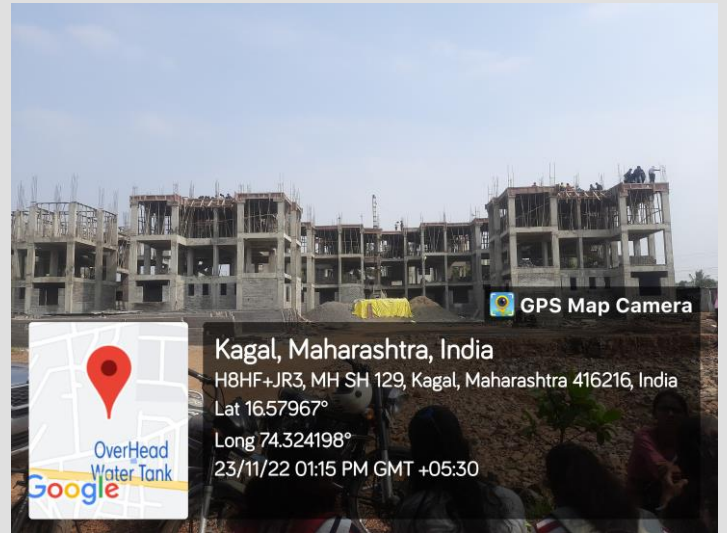
Field visit to National Highway gave students knowledge of site exploration, bore log, soil strata and geotechnical investigation for foundation design.

Site visit to MHADA construction site gave students knowledge about footing depth, footing design and specifications regarding RCC structure. Nearly 150+ students attended this site visit.

Coordinator for visit

1. Mr. Guruprasad A. Chavan, Faculty Advisor, IGS- Student Chapter, KITCoEK
2. Mr. Mohan A. Chavan, Head & Asso. Prof, Department of Civil engineering

Industrial Visit "MHADA Housing Project"



Department of Civil Engineering had organized field visits to MHADA Construction site on 23rd November 2022 for final year students for the lab course of Concrete Structural Design.

The purpose of site visit was to make student understand preparation of structural drawings and detailing in Civil Engineering

Students got knowledge of Reinforcement detailing of slab, Reinforcement detailing of beam, Reinforcement detailing of staircase etc.

All the student of final year were present during the visit accompanied by course teachers and other faculties.

One Day Technical Training for Adani Group



Department of Civil Engineering had organized One day Technical Training for Final Year students for Adani Campus Drive- 2022. Purpose was to make student more competent for campus drive.

The one day training was coordinated by Mr. G. A. Chavan, Placement coordinator, Civil Engineering Dept, KITCoEK.

Speakers-

Mr. M. A Chavan- Structural Design

Mr. S. S. Varur- Advance Survey

Mr. G. A. Chavan- Geotechnical Engineering & drive process and preparation.

Mr. S. S. Shirol- Transportation Engineering

Mr. S. B. Mohite- Construction Materials and

All faculties had guided students regarding overall drive process and preparation. Also question answer session was session conducted.

This training benefitted the students and as a result total 09 students are placed with pay package of 6.00 LPA.

Lecture on Placement Opportunities



Department of Civil Engineering had organized a session on "Placement opportunities for Civil engineering students" by Dr. Amit Sarkar, Dean corporate relations, KITCoEK on 20th December 2022 for S. Y. B.Tech. students of civil engineering Department. The session was coordinated by Mr. Guruprasad A. Chavan, Placement coordinator, Civil Engineering Dept, KITCoEK.

Dr. Amit Sarkar guided the students by sharing details of upcoming drives and also placement drives arranged in the present semester. He also guided students on preparation for drives and ethical practices. This benefitted students to understand the process of placement in campus and how to prepare for such placement drives.

Faculty Participation

Sl. No.	Name	Nature of the program	Title	Arranged by	Date
1	Mr. S. V. Shah	International Short Term Training Programme	Contrivance of Sustainable Development Goals (SDGs) for Environmental Conservation	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan, India	24/06/2022 to 30/06/2022
2	Mr. S. V. Shah	One Day Workshop	NAAC Criteria for Assessment in Line with NEP	IQAC and ISTE Chapter, KIT's College of Engineering (Autonomous), Kolhapur	19/06/2022 to 19/06/2022
3	Mr. S. V. Shah	12 Week Faculty Development Program	Advance Geomatics Engineering	National Programme on Technology Enhanced Learning (NPTEL)	07/04/2022 to 19/10/2022
4	Mr. Amol B. Sawant	12 Week Faculty Development Program	Design of Reinforced Concrete Structures	National Programme on Technology Enhanced Learning (NPTEL)	07/04/2022 to 19/10/2022
5	Mr. S. M. kolekar	12 Week Faculty Development Program	Design of Reinforced Concrete Structure	National Programme on Technology Enhanced Learning (NPTEL)	07/04/2022 to 19/10/2022
6	Mr. S. G. Sawant	12 Week Faculty Development Program	Design of Reinforced Concrete Structure	National Programme on Technology Enhanced Learning (NPTEL)	07/04/2022 to 19/10/2022
7	Mr. A. D. Patil	12 Week Faculty Development Program	Design of Reinforced Concrete Structure	National Programme on Technology Enhanced Learning (NPTEL)	07/04/2022 to 19/10/2022
8	Mrs. V. G. Waskar	12 Week Faculty Development Program	Design of Reinforced Concrete Structure	National Programme on Technology Enhanced Learning (NPTEL)	07/04/2022 to 19/10/2022
9	Mr. S. V. Shah	Training Programme	Energy Simulation – Energy Conservation Building Code (ECBC)	Maharashtra Energy Development Agency (MEDA) in association with Administrative Staff College of India (ASCI) and supported by Bureau of Energy Efficiency(BEE)	08/04/2022 to 08/06/2022
10	Mr. O. P. Suryawanshi	One Day Workshop	NAAC Criteria for Assessment in Line with NEP	IQAC and ISTE Chapter, KIT's College of Engineering (Autonomous), Kolhapur	19/06/2022 to 19/06/2022
11	Mr. S. S. Shirol	One Day Workshop	NAAC Criteria for Assessment in Line with NEP	IQAC and ISTE Chapter, KIT's College of Engineering (Autonomous), Kolhapur	19/06/2022 to 19/06/2022
12	Mr. S. V. Shah	IP Awareness/Training program	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	KIT'S COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR Jointly Organized by Intellectual Property Office and MoE's Innovation Cell, India	29/07/2022 to 29/07/2022
13	Mr. O. P. Suryawanshi	IP Awareness/Training program	NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION	KIT'S COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR Jointly Organized by Intellectual Property Office and MoE's Innovation Cell, India	29/07/2022 to 29/07/2022
14	Mr. S. V. Shah	National Level One Day Seminar	Challenges of Implementing NEP 2020 in Higher Education Institute	KIT's College of Engineering, KIT's IMER, IQAC Kolhapur	18/08/2022 to 19/08/2022
15	Mr. O. P. Suryawanshi	National Level One Day Seminar	Challenges of Implementing NEP 2020 in Higher Education Institute	KIT's College of Engineering, KIT's IMER, IQAC Kolhapur	18/08/2022 to 19/08/2022
16	Mr. S. S. Shirol	National Level One Day Seminar	Challenges of Implementing NEP 2020 in Higher Education Institute	KIT's College of Engineering, KIT's IMER, IQAC Kolhapur	18/08/2022 to 19/08/2022
17	Mr. S. V. Shah	One week Faculty Development Program	Advancement in Civil Engineering	Yashoda Technical Campus, Department of Civil Engineering, Satara in Association with ISTE, New Delhi	23/08/2022 to 27/08/2022
18	Mr. Amol B. Sawant	One week Faculty Development Program	Advancement in Civil Engineering	Yashoda Technical Campus, Department of Civil Engineering, Satara in Association with ISTE, New Delhi	23/08/2022 to 27/08/2022
19	Mr. Amol B. Sawant	Two Days FDP	Capacity building of HEI through Research Initiatives	Reseach & Development Cell, KIT in association with Mayura AICTE IDEA Lab, ISTE & Institutional Innovation Council	11/11/2022 to 11/12/2022
20	Mr. S. V. Shah	Short Term Training Program	Self-Sustainable Buildings	Presidency University, Department of Civil Engineering, Bengaluru in Association with KSTA	09/12/2022 to 16/09/2022
21	Mr. Amol B. Sawant	Short Term Training Program	Self-Sustainable Buildings	Presidency University, Department of Civil Engineering, Bengaluru in Association with KSTA	09/12/2022 to 16/09/2022

Faculty achievement in National Programme on Technology Enhanced Learning (NPTEL) Courses

Sr. No.	Name of Faculty	NPTEL Course Name	Weeks	Percentage (%)	Medal
1	Mr. S. M. Kolekar	Design of Reinforced Concrete Structure	12	75	Elite + Silver
2	Mr. A. B. Sawant	Design of Reinforced Concrete Structures	12	58	Successfully Completed
3	Mr. A. D. Patil	Design of Reinforced Concrete Structure	12	90	Gold
4	Dr. R. V. Nalawade	Project Planning & Control	8	86	Elite + Silver
5	Mrs. V. G. Waskar	Design of Reinforced Concrete Structure	12	49	Successfully Completed
6	Mr. S. G. Sawant	Design of Reinforced Concrete Structure	12	60	Elite
7	Mr. S. V. Shah	Advance Geomatics Engineering	12	62	Elite



Mr. Shital M. Kolekar



Mr. Amol B. Sawant



Dr. Rohan V. Nalawade



Mr. Abhijeet D. Patil



Mrs. Vidula R. Waskar-Patil



Mr. Sandeep G. Sawant



Mr. Suraj V. Shah

Placements

Sr.No.	Selected Candidate Name	Recruiting Company Name	Package (LPA)
1	KALEKAR MRUNMAI SACHIN	DXC Technologies	4.20
2	GHATAGE RAJKUMAR PRAKASH		
3	PATIL VISHAL SURYAKANT		
4	MOHITE ABHISHEK SANJAY		
5	KUSHIRE RUTUJA MOHAN		
6	KUMBHAR ABHISHEK VIJAY		
7	PATIL RUTUJA BAJIRAO		
8	DHUMAL VINAYAK SANTOSH		
9	KAJAVE YASHRAJ AJIT		
10	PAWAR POOJA SANDEEP	Tata Consultancy	3.60
11	PATIL VISHAL SURYAKANT		
12	KAJAVE YASHRAJ AJIT		
13	PAWAR POOJA SANDEEP	Tata Power	6.64
14	NAIK ANIKET PANDURANG		
15	DESAI OMKAR SUBHASH		
16	BADE AKASH SHAHU		
17	PATIL BHAKTI MADHUKAR		
18	KAJAVE YASHRAJ AJIT		
19	POOJA BHAGVANKADAM		
20	SUJATA VISHNU PATIL		
21	ANISHA GAJANAN PRADESDHI		
22	GHATAGE RAJKUMAR PRAKASH	Adani Group	6.00
23	KAJAVE YASHRAJ AJIT		
24	KARIGAR SHREYASH SHIVAJI		
25	KHADE TEJAS SURESH		
26	LATKAR SRUSHTHI VINAY		
27	MOHITE ABHISHEK SANJAY		
28	PRATIK VISHNU GAIKWAD		
29	PUJARI SWAPNIL NANASAHEB		
30	UDAGE SAMARTH ANKUSH		

• Student Placed in TATA Power



POOJA SANDEEP PAWAR



BHAKTI MADHUKAR PATIL



SUJATA VISHNU PATIL



POOJA BHAGVAN KADAM



ANISHA GAJANAN PRADESDHI



ONKAR SUBHAS DESAI



ANIKET PANDURANG NAIK



YASHRAJ AJIT KAJAVE



AKASH SHAHU BADE

• Student Placed in Adani Group



KAJAVE YASHRAJ AJIT



ABHISHEK SANJAY MOHITE



PUJARI SWAPNIL NANASAHEB



UDAGE SAMARTH ANKUSH



KHADE TEJAS SURESH



LATKAR SRUSHTHI VINAY



RAJKUMAR PRAKASH GHATAGE



PRATIK VISHNU GAIKWAD



KARIGAR SHREYASH SHIVAJI

• Student Placed in DXC Technologies



RUTUJA MOHAN KUSHIRE



RUTUJA BAJIRAO PATIL



MRUNMAI SACHIN KALEKAR



VISHAL SURYAKANT PATIL



RAJKUMAR PRAKASH
GHATAGE



VINAYAK SANTOSH DHIMAL



ABHISHEK VIJAY KUMBHAR



KAJAVE YASHRAJ AJIT



ABHISHEK SANJAY MOHITE

Student Achievements

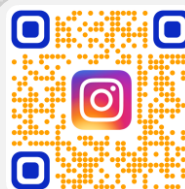
Student Participation

Sr. No.	Name	Class	Event Name	Position
1	Pallavi Hanmant Jadhav	T.Y.	“Nirmiti” at CiviKriti 2K22 A National Level Technical Symposium, Government College of Engineering, Karad	Runner Up
2	Pallavi Hanmant Jadhav	T.Y.	“Rachanakriti” at CiviKriti 2K22 A National Level Technical Symposium, Government College of Engineering, Karad	Runner Up
3	Pallavi Hanmant Jadhav	T.Y.	“Quiz Competition” at VASTU- 2K22, RIT, Rajaramnagar	Participated
4	Gayatri Chandrakant Ayarekar	T.Y.	“Nirmiti” Technical Documentary Competition, PIONEER 2K22 KITCoE, Kolhapur	Runner Up
5	Amey Umesh Kumbhar	T.Y.	“Debate Competition” 42nd Youth Festival organised by Shivaji University Kolhapur	2nd Rank (District Level) and 3rd Rank (Central Level)
6	Amey Umesh Kumbhar	T.Y.	Vidhansabha Committee, KITMUN 2022, KITCoE, Kolhapur	Runner Up
7	Amey Umesh Kumbhar	T.Y.	Maharashtra State Electricity Distribution Company under the scheme of Central Government known as Ujjwal Bharat - Ujjwal Bhavishya Power@2047	Participated

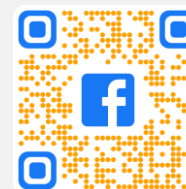
Toppers

Class	Name	CGPI	EQ % MARKS	Rank
Final Year	PATIL RAJMOHAN MAHESH	9.66	91.6	1st
	DESAI SHARVARI BHASKAR	9.588	90.88	2nd
	GHATAGE PRIYANKA MURLIDHAR	9.57	90.7	3rd
Third Year	CHAVAN ROHIT SAMBHAJI	9.61	91.10	1st
	TIBILE MANASI SHIVAJI	9.36	88.60	2nd
	PATIL VISHAL SURYAKANT	9.32	88.20	3rd
Second Year	MAHEKAR RUTIKA RAJENDRA	9.59	90.90	1st
	DESAI SHREYASH FATTESING	9.48	89.80	2nd
	PATIL RASIKA MARUTI	9.34	88.40	3rd

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Revolutionizing Civil Engineering with 3D Printing and Prefabrication



Mr. Karansinh Hindurao Magadam
(TY A)

In the ever-evolving world of civil engineering, two groundbreaking technologies are making waves: 3D printing and prefabrication. These innovative methods are revolutionizing the industry by offering speed, sustainability, and versatility like never before. 3D printing has burst onto the scene as a game-changer for civil engineers. This technology empowers us to construct intricate structures layer by layer, with remarkable precision.

Its incredible speed, cost-effectiveness, and design flexibility are transforming the way we build. Traditional construction often demands extended timelines and extensive manual labor. 3D printing, in contrast, expedites the construction process, reducing costs and minimizing environmental impacts. Moreover, its flexibility in design permits the creation of complex geometries and organic shapes, pushing the boundaries of what's possible in civil engineering. But the benefits don't stop there. 3D printing can be sustainable. By using eco-friendly materials and reducing waste, it's an eco-conscious choice. This technology can also be applied on-site, reducing the need for heavy machinery and lowering transportation costs.

Prefabrication is another trailblazing method in civil engineering. It involves crafting building components in a controlled factory environment and assembling them on-site. This approach results in better quality control, increased worker safety, and enhanced efficiency. Prefabrication aligns perfectly with sustainability goals. It reduces waste, saves energy, and improves resource management. By minimizing exposure to adverse weather conditions, it ensures consistent, high-quality results.

These innovative technologies are poised to lead civil engineering into the future. As students and professionals in this field, we have the unique opportunity to embrace these transformative methods, participate in cutting-edge research, and help shape a more efficient, sustainable, and creative industry.

In conclusion, 3D printing and prefabrication are not just buzzwords; they represent the future of civil engineering. These technologies offer exciting possibilities for speed, sustainability, and design freedom. Let's embrace them with enthusiasm and lead the way toward a better, more sustainable world.

Pioneering Sustainable and Green Infrastructure

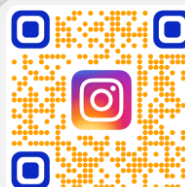


Mr. Amey Umesh Kumbhar
(TY A)

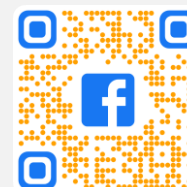
Sustainability is the cornerstone of modern civil engineering. As students in this dynamic field, we hold the key to a greener, more sustainable future. Sustainable and green infrastructure prioritizes resource efficiency, reduced environmental impact, and renewable materials. By embracing these principles, we not only build stronger, smarter, and more environmentally friendly structures but also mitigate climate change and create lasting, positive impacts on the world.

Let's continue to lead the way in adopting and promoting sustainable and green infrastructure, setting the stage for a brighter, greener, and more resilient tomorrow.

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