



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

NEWSLETTER

AY 2021-22

SEMESTER- II

दृश्यालोकन

DEPARTMENT OF CIVIL ENGINEERING



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Inside.....

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- Activities conducted by the department
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Executive Editor's Desk



I am delighted to present to you the second edition of AVALOKAN Volume-02 Issue-II, the department of civil engineering's newsletter, which emphasises the accomplishments and happenings during the previous six months (AY 2021-22 Semester-II).

I would like to thank 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 activities done by the departments.

I congratulate the team of editorial community and department of Civil Engineering.

Director's Message



At the outset, I heartily congratulate you for initiating a new concept in the form of your departmental newsletter. The introduction of this newsletter is the result of your confidence, creativity and innovation. I am glad to note that the team have made use of this development and harnessed it in a big way in the form of this newsletter.

I am particularly glad to know that this communication will establish a tread of acquaintance with our stakeholders. I invite all of you to come join us in the initiative. I once again congratulate the whole team and hoping this will prove to be a milestone in the digital journey of college as well as the Civil Department.

HOD's Message



I am very happy to announce that our Civil Engineering Department is releasing the Departmental Newsletter "AVALOKAN" for Academic Year 2021-22 Semester-II (Volume-02 Issue-II).

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. **Foundations of Tendering-** Ability to apply for tendering in various Civil Engineering works with professional skills and knowledge of various constructions work sanctions.

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

Departmental Activities

Sr. No.	Name of Activity	In-Charge faculty/ faculties	Date
1	AICTE - ISTE Sponsored Refresher/ Induction Faculty Development Program on "Recent Advances In Strategic Civil Infrastructure"	Mr. Vivek S. Suryawanshi-Patil & Mrs. Rashmi B. Shankargauda	07-02-2022
2	Shiv- Jayanti 2022	Mr. Guruprasad A. Chavan	19-02-2022
3	Expert lecture on "Career Opportunities in Road Infrastructure"	Mr. Samarth S. Shirol	16-03-2022
4	Site Visit at Meteorological Station	Dr. Vidula A. Swami & Mrs. Vasundhara H. Lavangare	09-04-2022
5	Site Visit at Water Treatment Plant	Mr. Sunil S. Mane & Mrs. Vasundhara H. Lavangare	10-04-2022
6	Carrier guidance lecture on "Way to Technical Competitive exams"	Mr. Guruprasad A. Chavan	20-04-2022
7	Alumni Talk on "Opportunities in AEC Industry for Civil Engineers"	Mr. Rohan V. Nalavade	23-04-2022
8	Parents Meet 2022	Mr. Omkar. P. Suryavanshi	23-04-2022
9	NIRMITI 2022 "Technical Documentary Competition"	Mr. Guruprasad A. Chavan	25-04-2022
10	Social Work at Bamani Village	Mr. S. S. Varur, Mr. S. V. Lipare & Mr. S. V. Shah	26-04-2022
11	Site Visit at STAR-TECH Ready Mix Concrete Plant, Shiye	Mr. Sandeep G. Sawant & Mr. Surendranath S. Jadhav	30-04-2022
12	Expert lecture on "Identifying Entrepreneurial traits, Startup as well as its benefits"	Mr. Vidula G. Waskar & Mr. Abhijeet A. Ulagade	05-05-2022
13	Memorandum of Understanding (MoU) with Total Tech Survey Pvt. Ltd., Kolhapur	Mr. S. S. Varur & Mr. S. V. Shah	07-05-2022
14	One Day National Workshop on "Utilization of Manufactured Sand/ Crushed Sand in Construction Industry"	Mr. A. D. Patil & Mr. Samarth S. Shirol	09-05-2022
15	One Day National Workshop on "Immediate Response in Emergencies Road Safety"	Mr. Samarth S. Shirol	12-05-2022
16	Memorandum of Understanding (MoU) with Caliber Concrete Solutions, Kolhapur	Mr. Sandeep G. Sawant	19-05-2022

AICTE - ISTE Sponsored Refresher/Induction Faculty Development Program on RECENT ADVANCES IN STRATEGIC CIVIL INFRASTRUCTURE

<p>PATRONS</p> <p>Hon. Sunil Kulkarni Chairman, KIT</p> <p>Hon. Sajid Hudli Vice-Chairman, KIT</p> <p>Hon. Dipak Chougale Secretary, KIT</p> <p>Dr.V.V.Karjinni Executive Director, KIT</p> <p>Dr.M.M.Mujumdar IC Director, KIT</p> <p>Mr. Mohan Chavan Asst. Professor & Head, Civil Engg. Dept., KIT</p> <p>COORDINATOR Mr. Vivek S Suryawanshi Patil Assistant Professor KIT's College of Engineering, Kolhapur Contact : 9423277879 Email: vivvsk99@gmail.com</p> <p>CO-COORDINATOR Mrs. Rashmi B S Asst. Professor, KIT's College of Engineering, Kolhapur Contact : 8904025253 Email: rashmb039@gmail.com</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>HOW TO APPLY</p> <p>The applicants should register at Google link https://forms.gle/EJNMPGq34VofdrkV8</p> <p>Total participation is limited to 100 so we request you to register as soon as you receive this information.</p> <p>Last Day of Registration : 04/02/2022:</p> <p>ELIGIBILITY CRITERIA</p> <p>Academicians from AICTE recognized institutes from India. The selection will be initiated through mail ID provided during registration.</p> <p>CORRESPONDENCE</p> <p>All correspondence related to the Program shall be made to the faculties mentioned below: 1. Prof. Vivek Suryawanshi Patil 9423277879 vivvsk99@gmail.com 2. Prof. Rashmi B S 8904025253 rashmb039@gmail.com</p>	<p style="text-align: center;">AICTE-ISTE Induction/Refresher Program on</p> <p style="text-align: center;">Recent Advances in Strategic Civil Infrastructure</p> <p style="text-align: center;">Online Mode Platform: Cisco WebEx https://www.webex.com/</p> <p style="text-align: center;">(07/02/2022 to 12/02/2022)</p> <p style="text-align: center;">ORGANISED BY</p> <p style="text-align: center;">Department of Civil Engineering Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur (416234), Maharashtra, India</p> <p style="text-align: center;">Institute Website: www.kit.ac.in</p>
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<p>INTRODUCTION</p> <p>Transport infrastructure is an integral part of the transport system of any city or state. In connection with the development of society and industrialization of international relations due to the globalization processes, the importance of transport as a factor for economic and social development has enhanced. Various aspects of the activities related to the development of transport infrastructure have increasingly become the objects of scientific researches. Transportation as an economic factor is a measure of economic activity and at the same time transportation is a reflection of economic activity. So, the questions about transport infrastructure performance measurement and relationship between transport infrastructure and economic growth are the subjects for discussions in both academic and non-academic circles.</p> <p>This FDP will imbibe the knowledge pertaining to modern techniques and practices adopted in the field of Civil Infrastructure and make the participant aware about the future opportunities in it.</p> <p>FDP CONTENTS</p> <ul style="list-style-type: none"> Evaluation of Pavements based on functional and structural characteristics. Trends in Construction activities to improve performance of pavements Recent trends in planning of Harbour and Airports Understanding and development of mass Transportation systems. Analyze the performance of Road traffic and traffic studies required for the analysis of traffic flow The statistical information related to Metro Rail Operation. 	<p>OBJECTIVES</p> <ul style="list-style-type: none"> Understand Special problems in pavement construction and maintenance with case studies. Operations and management issues in mass Transportation systems. Airport safety and operational assessment systems. Common design and construction features important to the performance of both asphalt and concrete pavements. Recent advances in Metro Rail Infrastructure <p>EXPECTED OUTCOMES</p> <ul style="list-style-type: none"> Understand Problems related Road pavement Discuss Next generation Air Transportation Systems Safety in Air traffic control. Share knowledge, skills and best practices on various Civil infrastructure management systems. 	<p>ABOUT KIT'S COEK</p> <p>A distinguished Premier Institute in Engineering & Technology, KIT was founded by a group of visionary leading industrialists, professionals & educationist 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 Shivaji 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 & subsequently increased 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 thrice 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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Valedictory Function Prof.Vijay D Vaidya-20220212 0943-1 <P>

Influence of speed characteristics and urban infrastructure...

Type of Pavements

A layered structure supported by the subgrade soil to form the carriage way of a road

Flexible Pavement

Rigid Pavement

27 Oct, 2021

One week Faculty development Programme (FDP) was commenced on 7th February, 2022 at 9.30 am on Cisco WebEx Platform. There were total 16 sessions (03 sessions per day) scheduled during this FDP from 7th to 12th February, 2022. The program started with the Inauguration for which Main Guests Dr. Pratapsinh Kakaso Desai President, ISTE Col. B Venket irector, FDC Cell,

AICTE, New Delhi and Prof. K. S. Lokesh Former Registrar, JSS Science and Technology, Mysuru. Dr. V. V. Karjinni, Executive Director of KITCoE, Kolhapur had given welcome speech and introduced all to the Journey of KIT towards Academic Excellence. Mr. Mohan Chavan , Head of Department of Civil Engineering had introduced all to the details and objectives of the AICTE-ISTE FDP, Sessions, FDP Themes and Resource Persons.



A motivational guest talk on “Chhatrapati Shivaji Maharaj” was arranged on occasion of “Shiv- Jayanti 2022” by Mr. Sachin Kanitkar, Associate Professor, DKTE, Ichalkaranji.

Speech was organized at Open Air Theater from 2.00 pm to 4.00 pm, under Civil Engineering Student Association (CESA). Approximately 400 students from all branches have attended the motivational speech.

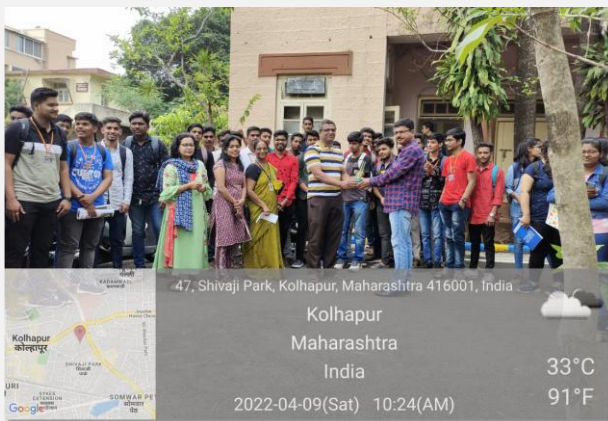
Expert lecture on “Career Opportunities in Road Infrastructure”



The lecture was arranged to make Third Year students aware about the avenues of career in infrastructure industry. The speaker for this workshop, **Mr. Neelmani Katdare** has an experience of more than 15 years in said sector.

The students were given information about organization structure of departments, the skills expected by the industry from graduates and the overall work cycles. Total 90 students attended the lecture.

Site Visit at Meteorological Station



The site visit was aimed for SY students as a part of their curriculum. The visit took place on 9th April 2022 at Meteorological Station, Kolhapur. The officers described all the instruments in the station to the students. Instruments included Pressure gauge, Wet bulb and dry bulb thermometer, evaporimeter, wind pane, anemometer, Symon's Rain-gauge, Automatic rain-gauge etc.

Site Visit at Water Treatment Plant



The site visit was aimed for SY students as a part of their curriculum. The visit took place on 10th & 11th April 2022 at Water Treatment Plant, Kagal. Our main purpose for this visit was to give the practical knowledge about how raw water is treated and how water is distributed in different village. By this visit students can be familiar with industrial environment and get knowledge of different units of water treatment plant. Also in 6th semester subject like Water and waste water Engineering requires knowledge about how components of filtration plant are constructed, so it is very much convenient to see all the practical and components in real time work environment.



A carrier guidance programme on “Way to Technical Competitive exams” was organized on 20th April 2022 by Mr. Abhishek Dhamankar, Super40, Amaravati. This program was especially arranged to guide the students for preparing of all competitive exams in Civil engineering field. Major focus of the session was on subject weightage, structure of the question papers, problem solving techniques and time management during examination.

Mr. Abhishek sir also provided link of social media platforms of Super 40 where they generally publish topic wise videos for preparation. The student benefited from all the advanced problem solving techniques given expert lecturer. The feedback was excellent from the students. Total 110 students attended the lecture.

Alumni Talk on “Opportunities in AEC Industry for Civil Engineers”

KIT's College of Engineering(Autonomous), Kolhapur
Department of Civil Engineering
A Professional Talk

Opportunities in AEC Industry for Civil Engineers

SPEAKER



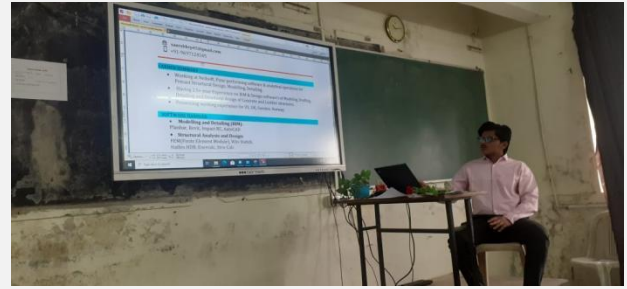
Mr. Sourabh Patil, KIT Alumni presently working in Neilsoft Pune for BIM Projects. He will share his professional experience in Neilsoft and necessary Preparation for getting placement in AEC Industry and specially Neilsoft Pune.

Mr. Sourabh Patil, Design Engineer, Neilsoft Pune

23 APRIL, 2022 , 10.00-11.30 AM
Venue: CVCRO4

Dr. R. V. Nalawade BIM Coordinator Mr. G.A. Chavan Placement Coordinator Mr. M.A. Chavan HoD
Dr. M.M. Mujumdar Director, KIT Dr. V V Karjinni Executive Director, KIT

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A Professional Talk was arranged by Dr. R. V. Nalawade (BIM Coordinator) on 23rd APRIL 2022, at 10.00 AM for students. The speaker Mr. Sourabh Patil, KIT Alumni presently working as Design Engineer in Neilsoft Pune for BIM Projects. He was invited to share his professional experience in Neilsoft and necessary preparation for getting placement in AEC Industry and specially at Neilsoft.

Mr. Sourabh Patil demonstrated Projects undertaken by him in structural detailing for a precast and composite structure. He also explained understanding of detailing standards for various countries. He discussed opportunities for fresh graduates in AEC Industry.

Parents Meet 2022



The parents meet was arranged on 23rd April 2022 at Civil engineering Department to enhance one to one faculty-parent interaction for better understanding of department policies, faculty feedback of the students and vice versa.

The meeting also focused on attending concerns of the parents regarding academic activities. The queries of parents were addressed by HOD sir and the feedback of parents was also taken.

NIRMITI 2022 “Technical Documentary Competition”

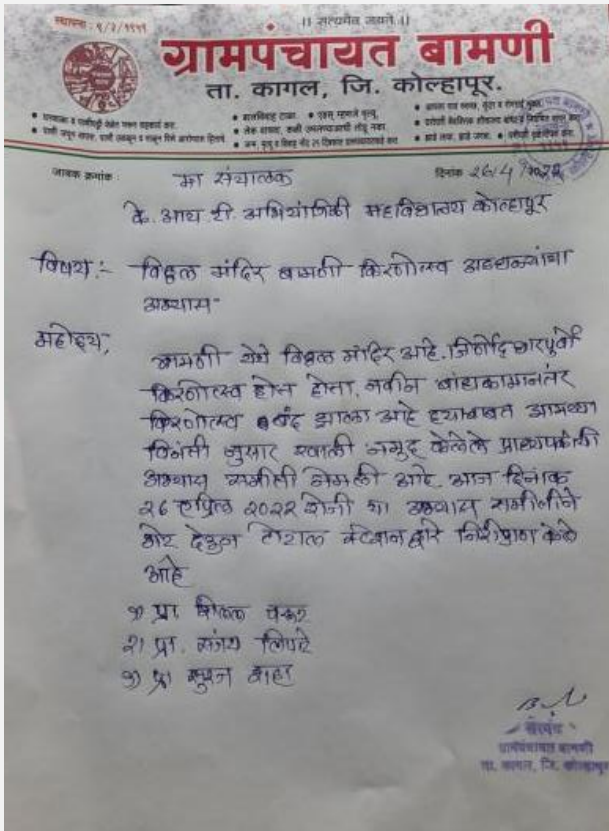


Departmental technical event “NIRMITI” under Pioneer 2022, Technical Documentary Competition, was organized on 25th April 2022.

Themes -

1. Advanced construction practices.
2. Smart Transportation.
3. Modern Foundation.

4. Top Civil engineering marvels on earth.
5. Renewable energy resources.
6. AI in civil engineering.
7. Pollution control (Air, water, Land).



A social work done at bamani village regarding kirnotsva at “Vitthal Rakhumai” Mandir on 26th April 2022. The kirnotsva was stopped due to development of mandir and surrounding area. So the Gram panchayat requested to find the obstacle in kirnotsav.

For that the survey was done using advance surveying equipment “Total Station” to find out obstacles in kirnotsav. The survey was done by Mr. Sheetal Varur, Mr. Sanjay Lipare and Mr. Suraj Shah.

Site Visit at STAR-TECH Ready Mix Concrete Plant, Shiye



Site visit was arranged at Star-tech RMC Shiye, Kolhapur on 30th April 2022. Site Visit was arranged for S.Y. B. Tech. Total 123 student visited the plant. Students to understand the Concrete Technology Course effectively. The owner and manager of RMC Plant explained the capacity, working of Automatic batching plant and RMC plant.

Star-Tech RMC prepare the concrete Mix Designs for various grades of concrete for M10 to M50. Twenty transit mixers are transporting concrete up to 50kms distance from RMC Plant. There are three stationary type schwing stetter concrete pumps 52 m³/hr. output can deliver up to 350 m horizontal and 100 m vertical distance.

Expert lecture on “Identifying Entrepreneurial traits, Startup as well as its benefits”



The expert lecture was arranged on 05th May 2022 to create Awareness of Innovation Start-up and Entrepreneurship Development. An enlightening session was delivered by all the speakers for the same. Dr. Avelo Roy briefly enlightened everyone with the various schemes for an entrepreneur, Start-Up and Innovation Festival and also encouraged students for participating in various business idea with their innovations.

Dr. Avelo Roy also guided on how one can build an Entrepreneurial attitude in himself and develop an innovative start-up. They also explained various strategies about startup, business various ideas about entrepreneurship and from which how we can build our career successfully.



The Memorandum of Understanding was signed between Department of Civil Engineering and Total Tech Survey Pvt. Ltd., Kolhapur on 07th May 2022 for period of 2 years. The main purpose of MoU is to promote practical applications in Advanced Mapping & Geo-spatial Technology.

In this MoU the company will provide

1. Resource persons for Guest lecture/ workshops etc at the students & Faculty development programs conducted at the college from time to time as per mutual consent.
2. Content for training of students & faculty on advanced instruments like Total Station, DGPS, UAV's, Ground Penetrating Radar, Lidar, drone and other advanced Digital Instrumentation.
3. Involvement of the expertise of the company personnel for inputs in curriculum/syllabus development.
4. Internship to our students in the domain areas of the company and otherwise also through the company's contact.
5. Placement assistance to students who have undergone Hands-on training courses.

One Day National Workshop on “Utilization of Manufactured Sand/ Crushed Sand in Construction Industry”

<p>PATRONS</p> <p>Hon. Sunil Kulkarni Chairman, KIT Kolhapur</p> <p>Hon. Sajid Hudli Vice-Chairman, KIT Kolhapur</p> <p>Hon. Deepak Chougale Secretary, KIT Kolhapur</p>	<p>RESOURCE PERSON</p> <p>Dr. M. C. Nataraja Professor, M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka.</p>	<p>ORGANIZING COMMITTEE</p> <p>Workshop Coordinator</p> <p>Co-ordinator</p> <p>Mr. S. S. Shiloi Asst. Professor, Civil Engg. Dept., KITCOE(Autonomous),Kolhapur 8112 05331 shiloi@kitcoe.edu.in</p> <p>Mr. A. D. Patil Asst. Professor, Civil Engg. Dept., KITCOE(Autonomous), Kolhapur 9166 297317 adpatil@kitcoe.edu.in</p>
<p>ADVISORY COMMITTEE</p> <p>Dr. V. V. Karjane Executive Director, KITCOE(Autonomous),Kolhapur</p> <p>Dr. M. M. Mujumdar I/C Director, KITCOE(Autonomous), Kolhapur</p> <p>Dr. M. A. Chavan Head, Civil Engineering Dept., KITCOE(Autonomous),Kolhapur</p> <p>Dr. (Dr.) M. B. Chougale Chairman, Kolhapur Local Centre, II</p> <p>Dr. P. V. Kulkarni Hon. Secretary, Kolhapur Local Centre, II</p>	<p>COMMITTEE MEMBERS</p> <p>Dr. S. C. Dige Dr. H. V. Sudhakar Dr. S. S. Vastur Dr. S. M. Kulkarni Dr. V. S. Suryawade Patil Dr. V. G. Wankar Patil Dr. S. S. Jadhav Dr. S. R. Mohite Dr. G. A. Chavan Dr. A. A. Udagade Dr. R. R. Chavhanekar Dr. P. P. Suryawade</p> <p>Dr. (Mrs.) V. A. Swami Dr. S. V. Upare Dr. S. S. Mane Dr. A. R. Sawant Dr. S. G. Sawant Dr. V. H. Lavangar Dr. R. V. Nalawade Dr. R. B. Shambhargondale Dr. A. K. Dhobadale Dr. R. R. Dongale Dr. S. V. Sheti</p>	<p>ABOUT KIT'S COEK</p> <p>Kolhapur Institute of Technology's College of Engineering, a Premier Autonomous Institute in South Maharashtra was established by vibrant industrialists, professionals & educationalist with global vision, which got together to give concrete shape to their dreams. As a result, KIT'S College of Engineering (Autonomous) Kolhapur is the first self financed college in Maharashtra established in 1983. KITCOE (Autonomous), Kolhapur endeavour is to identify growth areas & groom professional talent that keeps India forefront. KITCOE (Autonomous), Kolhapur offers 9 Under Graduate Programmes with intake of 670 & 6 Post graduate Programmes with intake 36 students. KITCOE(Autonomous), Kolhapur has been accredited by NAAC with 3.12 CGPA & permanently affiliated with Shivaji University</p> <p>ABOUT THE DEPARTMENT</p> <p>Since 1988, Department of civil Engineering has been imparting education and training in all aspects of Civil Engineering. Department has sound standing of 34 years in terms of experienced faculty & academics. Department is accredited by NBA. It has excellent infrastructure facilities and resources in the form of modern equipment, faculty, library references which always prove useful for various academic, research and consultancy works</p>

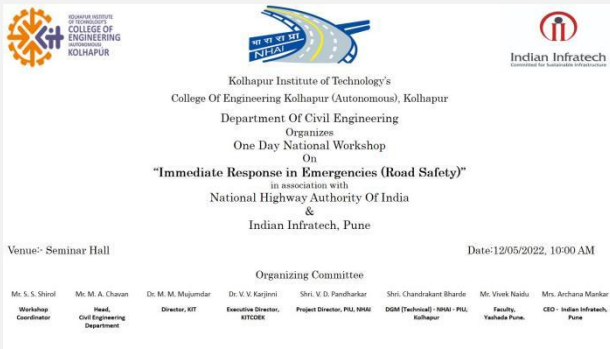
<p>INTRODUCTION</p> <p>Natural river sand is the most preferred fine aggregate material in mortar and concrete. Over the time, construction and infrastructure activity have boomed, and demand for construction material especially sand has grown many fold. The growing gap between supply and demand of natural river sand has to be addressed. An alternative to natural sand can be accomplished by processing suitable rock into fine aggregate. This is commonly termed as manufactured sand/crushed sand.</p> <p>Workshop objective is to spread awareness about the necessity of manufactured sand/ crushed sand in the present construction scenario and to disseminate the recent advancements in the manufactured sand/crushed sand amongst the practicing Civil Engineers.</p>	<p>TARGET AUDIENCE</p> <p>Academicians from AICTE recognized institutes from India, Practicing Engineers, Contractors, Students, Research Scholars and Engineers from Govt. Departments involved in construction.</p> <p>HOW TO APPLY</p> <p>The applicants need to register through below link, as per their category.</p> <p>Form for Students Form for Academicians/Industry Professionals</p> <p>Limited Entries - 200 Numbers</p> <p>Last Day of Registration : 05th May 2022</p> <p>REGISTRATION FEE</p> <p>Student: Rs. 600/- Academician : Rs. 1000/- Industry Professional: Rs. 1500/-</p> <p>PAYMENT DETAILS</p> <ul style="list-style-type: none"> Beneficiary Name: KIT'S College of Engineering Bank Name : ICICI Bank Branch: Rajawade, Kolhapur 416001 A/C No: 01669011588 IFSC Code: ICIC000186 MICR Code : 41622900 A/A Type: Current For ITR Transaction, scan the QR code shown beside.
<p>WORKSHOP CONTENTS</p> <ul style="list-style-type: none"> Introduction to manufactured sand/ crushed sand and its domain of application in mortar and concrete. Case studies on the use of manufactured sand/crushed sand in concrete Use of manufactured sand/crushed sand to produce high strength concrete grade M60 to M100. 	<p>REGISTRATION FEE</p> <p>Student: Rs. 600/- Academician : Rs. 1000/- Industry Professional: Rs. 1500/-</p> <p>PAYMENT DETAILS</p> <ul style="list-style-type: none"> Beneficiary Name: KIT'S College of Engineering Bank Name : ICICI Bank Branch: Rajawade, Kolhapur 416001 A/C No: 01669011588 IFSC Code: ICIC000186 MICR Code : 41622900 A/A Type: Current For ITR Transaction, scan the QR code shown beside.



The workshop was arranged with association with The Institution of Engineers (India) Kolhapur Local Centre on 9th May 2022 at Residency Club, Tarabai Park, Kolhapur. The resource person for the workshop was **Dr. M. C. Nataraja** (Professor, M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka). Workshop objective was to spread awareness about the necessity of manufactured sand/ crushed sand in the present the

recent advancements in the manufactured sand/crushed sand amongst the practicing Civil Engineers. Dr. M. C. Nataraja shared light on applications of crushed sand in mortar and concrete. He also gave case studies on the use of manufactured sand in concrete and use of it to produce high strength concrete grade M60 to M100. Total 150 participants registered for this workshop.

One Day National Workshop on “Immediate Response in Emergencies Road Safety”



The workshop was attended by students of Third Year and B.Tech Honors program enrolled from the department. During this workshop, students were trained by Mr. Vivek Naidu sir. The training was related to giving Cardiopulmonary Resuscitation to the person involved in accidents, handling of fire situation and basic bandage procedure to stop the bleeding. This workshop received pertinent guidance from the authorities of National Highways Authority of India.

The workshop was arranged in association with Indian Infratech, Pune & NHAI Project Implementation Unit, Kolhapur on 12th May 2022. Guest of honor for the workshop was Deputy GM Shri. Chandrakant Bharde. The workshop was arranged with an objective of imbibing awareness of Road safety amongst the potential road users & educating them about the SOP's to be practiced in case of emergencies.



The Memorandum of Understanding (MOU) was signed between Civil Department of Kolhapur Institute of Technology's College of Engineering (Autonomous), Gokul-Shirgaon, Kolhapur and Caliber Concrete Solutions Kolhapur is made on 4th MAY 2022 for 3 years. The main purpose of MoU is to to foster a platform for a joint venture between KIT and Caliber Concrete Solutions, Kolhapur.

The primary mission will be arrange lecture, training and workshops for students and faculty, to provide skill sets to students for placement, to sponsor/mentor UG students' projects with their equipment and facilities, to provide industrial exposure to students by arranging site visits and to promote various activities for social, corporate and overall development of students of KIT.

Workshop/ FDP/ Seminar attended

Sr. No.	Name	Nature of the program (Online/Offline) (Workshop/STTP/Seminar/ FDP etc.)	Title	Arranged by	Date	
					From	To
1	Mr. A. B. Sawant	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
2	Mr. S. B. Mohite	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
3	Mrs. R. B. Shankargouda	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
4	Mr. S. M. Kolekar	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
5	Mr. Rajiv R. Chavarekar	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
6	Mr. S. S. Shirol	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
7	Mrs. V. W. Patil	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
8	Mr. V. S. Suryawanshi Patil	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
9	Mr. Surendranath Shivaji Jadhav	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
10	Mr. G. A. Chavan	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Recent advances in Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	7/2/2022	12/2/2022
11	Mr. Suraj Vishwajit Shah	Online webinar	"Feminist Research Methodology"	Global Foundation for Skill Development and Enterprenership & Nirwan University, Jaipur	10/3/2022	10/3/2022
12	Mr. Suraj Vishwajit Shah	Online webinar	"Grounded Theory Methodology"	Global Foundation for Skill Development and Enterprenership & Nirwan University, Jaipur	7/4/2022	7/4/2022

Faculty Publications




1. Mr. Suraj V. Shah, Mr. Sheetal S. Varur, Dr. Vidula A. Swami “SVAGRIHA Rating and Design Tool for Green Buildings: Case Study for small standalone residential building” International Conference on Architectural Introspection of Sustainable Development Goals (ICAISDG), ISBN - 978-81-955336-1-9, PP 204-208, December 2021.
2. Mr. S. M. Kolekar, Mr. A. B. Sawant “Experimental Study on Structural Light Weight Concrete for Partial Replacement to Coarse Aggregate by Sintered Fly Ash Aggregate”, IRE Journals, Volume 5, Issue 8, ISSN: 2456-8880, February 2022.
3. Mr. S. M. Kolekar, Mr. A. B. Sawant “Fluidity of Cement Pastes with Admixtures and Super Plasticizer” IJAR SCT, ISSN (Online) 2581-9429 Volume 2, Issue 3, May 2022.
4. Mr. S. M. Kolekar, Mr. A. B. Sawant “Flexural Strengthening of Light Weight Reinforced Concrete Beams by Using Glass Fiber Reinforced Polymer” IJAR SCT, ISSN (Online) 2581-9429 Volume 2, Issue 6, May 2022.

Faculty Achievements

1. Mr. Sheetal S. Varur has completed certified training of IDEAFORGE NINJA “LIGHTWIGHT SCOUT” as Pilot by Megatronix Vision on 05th October 2021.
2. Mr. S. M. Kolekar has been invited as Event Judge in a national level technical event NAVAPRAVARTYA 2K22 for the event “Project Presentation (Non-Circuit)” held at Sant Gajanan Maharaj College of Engineering, mahagaon on 28th May 2022.

Students Achievements

Sr. No	Name	Event	Organized by	Level
1	Mr. Siddharth S. Patil	Prakalp- Project Presentation, PIONEER 2022	KITCOE, Kolhapur	Participation
2	Mr. Pruthiviraj Patil	Abhiyakti- National Level Technical Paper Presentation, PIONEER 2022	KITCOE, Kolhapur	First

Sr. No	Name of Student	Name of Department	Position	Photo
1	Suraj Janardan Patil	Water Resources Department	Assistant Engineer Grade 2	
2	Vijaykumar Dharmraj Thombre	Water Resources Department	Assistant Engineer Grade 2	
3	Piyusha Balasaheb Patil	Water Resources Department	Assistant Engineer Grade 2	
4	Pranoti Sunil Koli	Water Resources Department	Assistant Engineer Grade 2	
5	Shubham Mahesh Bhandare	Water Resources Department	Assistant Engineer Grade 2	
6	Minal Babasaheb Chougule	Water Resources Department	Assistant Engineer Grade 2	
7	Vishal Vitthal More	Water Resources Department	Assistant Engineer Grade 2	
8	Ajit Prakash Maharnur	Public Works Department	Assistant Engineer Grade 2	
9	Ajinkya Dinkar Chavan	Water Resources Department	Assistant Engineer Grade 2	
10	Meghana Amar Valvi	Soil And Water Conservation Department	Water Conservation Officer (Grade-B)	
11	Sandip Shivaji Kumbhar	Public Works Department	Assistant Engineer Grade 2	
12	Pradnya Jayprakash Patil	Public Works Department	Assistant Engineer Grade 2	
13	Mansing Anandrao Kumbhar	Water Resources Department	Assistant Engineer Grade 2	
14	Nikita Vijay Kolage	Public Works Department	Assistant Engineer Grade 2	
15	Shital Arun Vhate	Soil And Water Conservation Department	Water Conservation Officer (Grade-A)	
16	Dhobale Rohit Mahadeo	Public Works Department	Assistant Engineer Grade 2	
17	Abhishek Ajitrao Mohite	Water Resources Department	Assistant Engineer Grade 2	

Student Publication

Name of Student	Title	Publisher
Sujit R. Gadgil	DESIGN OF NO FINE CONCRETE USING POLYPROPYLENE FIBRE	Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162) UGC Approved (Journal No: 63975) & 7.95 Impact Factor Published in Volume 9 Issue 6, June-2022
Digvijay D. Chougule		
Ranjit R. Shinde		
Vishwavijay T. Shendage		
Rohit B. Shirale		

Toppers (AY 2020-21)

Sr. No.	Class	Name	CGPI	EQ % MARKS
1	B. Tech.	GAIKWAD MAYURI MADHUKAR	9.82	93.20
2	TY	CHOUGULE HERAMB SHAMRAO	9.68	91.80
3	SY	DESAI OMKAR SUBHASH	9.80	93

Placements

Sr. No.	Name of company	No. of Students Placed	Package
01	Capgemini	06	4.0 LPA
02	Byjus	01	6.0 LPA
03	Wipro	03	3.5 LPA
04	TCS-Ninja	01	3.36 LPA
05	Sterling Navigation Pvt Ltd, Sangli.	01	3.0 LPA
06	Aries Marine & Engineering Services Pvt. Ltd.	01	3.36 LPA
07	Planet Geo Tech, Pune	In Process	----

Nurturing the Lifeline: Water Resource Management in Civil Engineering



Mr. Yashraj Ajit Kajave (Final Year A)

In the vast tapestry of civil engineering, few responsibilities are as vital as water resource management. The intricate dance of preserving, supplying, and treating water is a cornerstone of human civilization. As students in this ever-evolving field, we hold the power to sustain this precious resource.

Water resource management extends far beyond taps and treatment plants. It's about orchestrating the flow of life. The sustainable management of water encompasses harnessing it efficiently, conserving it thoughtfully, and purifying it conscientiously.

In an era characterized by population growth and climate uncertainties, we face the formidable challenge of ensuring water security for all. Efficient stormwater management, wastewater treatment, and sustainable water supply systems are at the forefront of our mission.

Our responsibility as future civil engineers is clear: embrace innovations in water technology, nurture our ecosystems, and protect the lifeline that sustains us. By understanding and championing water resource management, we not only ensure access to clean water but also safeguard the planet's future. Let's strive to be stewards of this invaluable resource, ensuring that it flows pure and abundant for generations to come.

Closing the Loop: Circular Economy in Construction



Ms. Mrunmai Kalekar (Final Year A)

In the world of civil engineering, sustainability is our guiding star. One transformative concept leading the way is the circular economy in construction. It's all about reducing waste, reusing materials, and recycling resources, ensuring nothing goes to waste.

This approach not only conserves resources and lowers costs but also minimizes environmental impact. As aspiring civil engineers, we're the drivers of change. By adopting circular economy principles, we can reshape the industry, create more resilient infrastructure, and pave the path to a sustainable future where construction is both innovative and eco-conscious. It's our opportunity to build a better world, one circular step at a time.

