



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

NEWSLETTER

AY 2021-22

SEMESTER- I

वर्षावलोकन

DEPARTMENT OF CIVIL ENGINEERING



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Inside.....

- Vision, Mission, PO, POE, PSO
- List of activities conducted by department
- Activities conducted by department
- Faculty Participation
- Faculty Publications
- Faculty Achievements
- Student Toppers
- Student Achievement
- Student Placement

Executive Editor's Desk



I am delighted to present to you the second edition of AVALOKAN Volume-02 Issue-I, the Department of Civil Engineering's Newsletter, which emphasizes the accomplishments and happenings during the previous six months (AY 2021-22 Semester-I).

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 the 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-I (Volume-02 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.

WORKSHOP/FDP/SEMINAR CONDUCTED

Sr. No.	Name	Nature of the program (Online/Offline) (Workshop/S TTP/Seminar/FDP etc.)	Title	Arranged by	Date	
					From	To
1	Mr. Suraj Vishwajit Shah	Online National webinar	Two Day National Webinar on "Recent Trends in Concrete"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur in Association with Ultra-Tech, Kolhapur and THE INSTITUTIONS OF ENGINEERS (INDIA), KOLHAPUR LOCAL CENTRE	20/8/2021	21/8/2021
2	Mr. Sheetal S. Varur & Mr. Suraj Vishwajit Shah	Online webinar	One day webinar on "GIS for Interdisciplinary Studies"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur in Association with Environmental Systems Research Institute (ESRI), India	26/8/2021	26/8/2021
3	Dr. A. K. Khebudkar, Mr. O. P Suryawanshi	Offline worksho	One day hands on workshop on "Low cost solutions for water supply systems	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	9/9/2021	9/9/2021
4	Mrs. Rashmi B. Sankargauda	Online FDP	AICTE Training And Learning (ATAL) Academy, One Week Faculty Development Programme	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	25/10/2021	29/10/2021



Two Day National Webinar on "Recent Trends in Concrete"

KOHAPUR INSTITUTE OF TECHNOLOGY'S COLLEGE OF ENGINEERING (AUTONOMOUS), KOLHAPUR
DEPARTMENT OF CIVIL ENGINEERING
 In Association with
THE INSTITUTIONS OF ENGINEERS (INDIA), KOLHAPUR LOCAL CENTRE
 is organizing
Two Day National Webinar on "Recent Trends in Concrete"

Resource Person

Mr. Udaysingh Bisen
Regional Head,
Technical Services,
Ultra-Tech Cement Limited,
Solapur.

Mr. Vishrantkumar Zambre
Officer,
Building Products Division,
Ultra-Tech Cement Limited,
Pune.

Topic- Lets Explore the Concrete.....!!! **Topic- Advanced Building Products**

- DAY- Friday & Saturday
- DATE- 20/08/2021 & 21/08/2021
- TIME- 10.30 am To 12.30 am
- PLATFORM- Cisco Webex

• For Registration & Details Scan QR Code

• All students, faculties and Engineers can attend the webinar.
 • Registered participants will get the certificate after successfully attending the webinar.

Mr. S. V. Shah Coordinator Asst. Professor	Mr. Mohan A. Chavan Head Civil Engg. Dept	Dr. Mahesh B.Chougule IIEI, Chairman Kolhapur Local Centre	Dr. V. V. Karjinni Director KIT's COEK
Shri. Deepak Chougule Secretary KIT's COEK	Shri. Sajid Hudli Vice Chairman KIT's COEK	Shri. Sunil Kulkarni Chairman KIT's COEK	

Durable Relations

Concrete is a composite material that consists of cement paste and aggregate particles and can be formed in various types. It may be considered to consist of three phases: a cement paste, the aggregate, and the interfacial transition zone (ITZ) between them.

Interfacial Transition Zone (ITZ)

- The cement particles in fresh concrete can not pack together as efficiently when they are in close vicinity with aggregates.
- Shrinkage stresses are exerted on the cement paste by aggregate particles during drying. This causes the water to separate from the cement particles.
- The resulting corner region around the aggregate particles with more water and fewer cement particles is referred to as the ITZ.

Trust & Love – Keeping water cement ratio perfect & well graded aggregates
Respect – Using Plasticizers
Care – Micro fine Products

Improving the microstructure of ITZ and reducing the permeability of concrete with lowest water/cement ratio by using Admixtures and proper gradation of the total aggregates.

Degree of Workability (IS : 456 - 2000)

Blinding Concrete : Shallow Sections ; Pavement using Pavers	Very Low	5-25
Mass Concrete ; Tightly reinforced sections in Slabs, Beams, Walls, Columns; Floors ; Hand Placed Pavements ; Canal Lining ; Strip Foundations	Low	25 - 75
Heavily Reinforced Sections in Slabs, Beams, Walls, Columns ; Slip form Work ;	Medium	50 - 100
Pumped Concrete	High	75 - 100
Trench Fill ; In - Situ Piling Tremie Concrete	Very High	100 - 150

Building Products Division

• Classified M25 grade concrete without any integral waterproofing compound

• M25 grade concrete with 200g of "NITRATECH Weather Pro200" integral waterproofing compound

Result : slump value reduced 50mm

Integral Liquid Water Proofer **HER PRO WP+200**

Improves the performance properties of Fresh concrete and mortar

- ✓ Complies with IS-2645 & 9103
- ✓ Reduce porosity, improves water resistance
- ✓ Reduces W/C ratio & 10 % Increase compressive strength.
- ✓ Enhances workability & density
- ✓ Increases cohesion

SKU : L.S. 10, 20, 50 Ltr

Online Two Days National Webinar was organized in Association with The Institution of Engineers (India), Kolhapur Local Center, for students, faculties and engineers. The purpose of webinar was introduction of recent trends in concrete to the participants. Total 200 participant registered for this webinar. The platform for the webinar was Cisco Webex.

On the first day Mr. Udaysingh Bisen (Regional Head, Technical Services, Ultra-Tech Cement Limited, Solapur) spoke on topic "Lets Explore the Concrete" which was on the properties of concrete and on the second day Mr. Vishrantkumar Zambre (Officer, Building Products Division, Ultra-Tech Cement Limited, Pune) gave talk on "Advanced Building Products". This webinar benefited the participants

Webinar on "GIS for Interdisciplinary Studies"



Kolhapur Institute Of Technology's
College Of Engineering (Autonomous), Kolhapur
Department of Civil Engineering

In Association with
Environmental Systems Research Institute (ESRI), India
is organizing
Webinar on

"GIS for Interdisciplinary Studies"

AGENDA

- Introduction to GIS & ESRI as the pioneer in the field of GIS
- Latest Features / Functionalities of ArcGIS
- Relevance and application of GIS in various fields of Engg
- Use cases & case studies for diff study streams
- Institutional academic offerings from ESRI India
- Career roadmap for students
- Questions & Answers

Resource Person

Mr. Vinit Bitla
Presale Technical
Consultant,
Educational
Vertical,
Environmental
Systems Research
Institute (ESRI),
India.

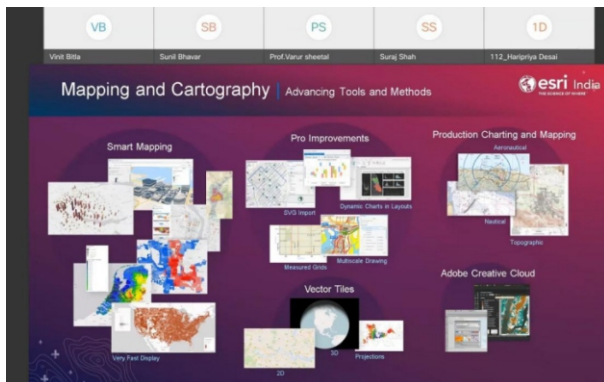
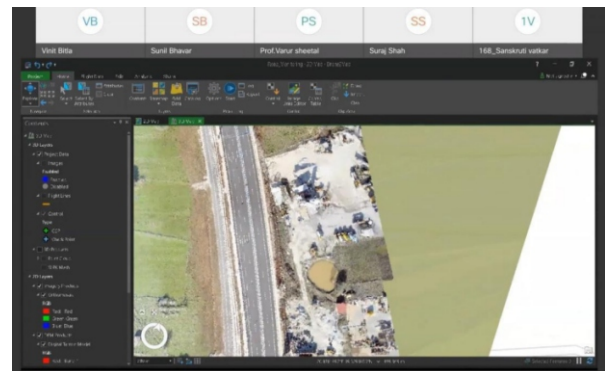
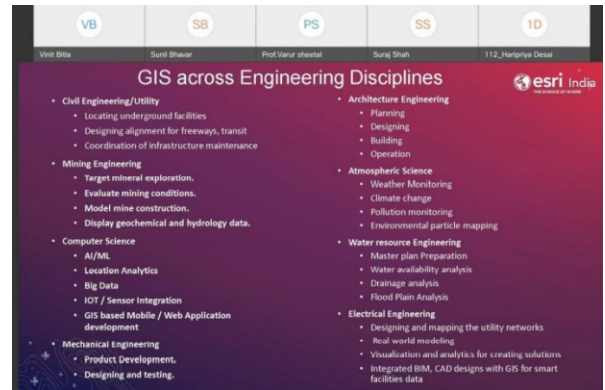
When & Where

Thursday, August 26, 2021 @ 10 am

Platform- Cisco Webex

<https://kitcoek.webex.com/kitcoek/j.php?MTID=mc766b117d75ef0bc3b02ae7d38a31964>




Mr. S. V. Shah Co-Coordinator Asst. Professor	Mr. S. S. Varur Cordinator Asst. Professor	Mr. Mohan A. Chavan Head Civil Engg. Dept	Dr. V. V. Karjinni Director KIT's COEK
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Online Webinar was organized in Association with Environmental Systems Research Institute (ESRI), India for the students of third and final year of all departments of the college. The purpose of webinar was introduction of GIS and its application in various fields of engineering.


The resource person Mr. Vinit Bitla shared his views and experience in field of GIS with various case studies and also explained Use cases for diff study streams. He also gave career road-map for students. His view benefited the participants and we received the positive feedback from the webinar.

Workshop on "Optimization of Branched Piped Water Supply Network With JALTANTRA- Free Tool For Everyone"

स्थापत्य विभाग के. आय. टी. अभियांत्रिकी महाविद्यालय (स्वायत्त), कोल्हापूर, आय. आय. टी., मुंबई, आणि ग्रामीण पाणीपुरवठा विभाग, जिल्हा परिषद कोल्हापूर, आयोजित आणि, विज्ञान आणि तंत्रज्ञान विभाग (भारत सरकार) यांच्या सहयोगाने एक दिवसीय कार्यशाळा

"Low Cost Solutions for Improving Water Supply Systems"



प्रमुख वक्ते
डॉ. प्रदीप काळबर
 सहयोगी प्राध्यापक
 Centre for Urban Science & Engineering, IIT Bombay

प्रमुख अतिथी
 मा. श्री. संजयसिंह चव्हाण (मुख्य कार्यकारी अधिकारी [भा. प्र. से.], जिल्हा परिषद, कोल्हापूर)
 सन्मानित अतिथी
 मा. श्री. सुनिल कुलकर्णी (चेअरमन, के. आय. टी. अभियांत्रिकी महाविद्यालय, (स्वायत्त))
 मा. श्री. साजिद हदली (झा. चेअरमन, के. आय. टी. अभियांत्रिकी महाविद्यालय, (स्वायत्त))
 मा. श्री. दिपक चौगुले (सचिव, के. आय. टी. अभियांत्रिकी महाविद्यालय, (स्वायत्त))
 डॉ. विलास लि. काजिंनी (संचालक, के. आय. टी. अभियांत्रिकी महाविद्यालय, (स्वायत्त))

संयोजक
 प्रा. मोहन आ. चव्हाण, (विभाग प्रमुख, स्थापत्य विभाग)
समन्वयक
 डॉ. आदित्य कि. खेबुडकर, (सहयोगी प्राध्यापक, स्थापत्य विभाग) ९४२१२३३९३३
सहसमन्वयक
 प्रा. ओंकार प्र. सुर्वेगी, (सहाय्यक प्राध्यापक, स्थापत्य विभाग) ९४२१२३३७७३

नोंदणीसाठी लिंक: <https://forms.gle/3pkCCzAyrVuvdVx8> नोंदणीसाठी खालील विविध बटुगार बॉट स्कॅन करा.

स्थळ: के. आय. टी. अभियांत्रिकी महाविद्यालय (स्वायत्त), कोल्हापूर
 वि.स. ११९ बी/१-३, मोकळ गिरगाव, कोल्हापूर ४१६ २३४
 महाराष्ट्र

दिनांक : गुस्वार, ०९ सप्टेंबर २०२१ सकाळी : ०९:०० वाजता



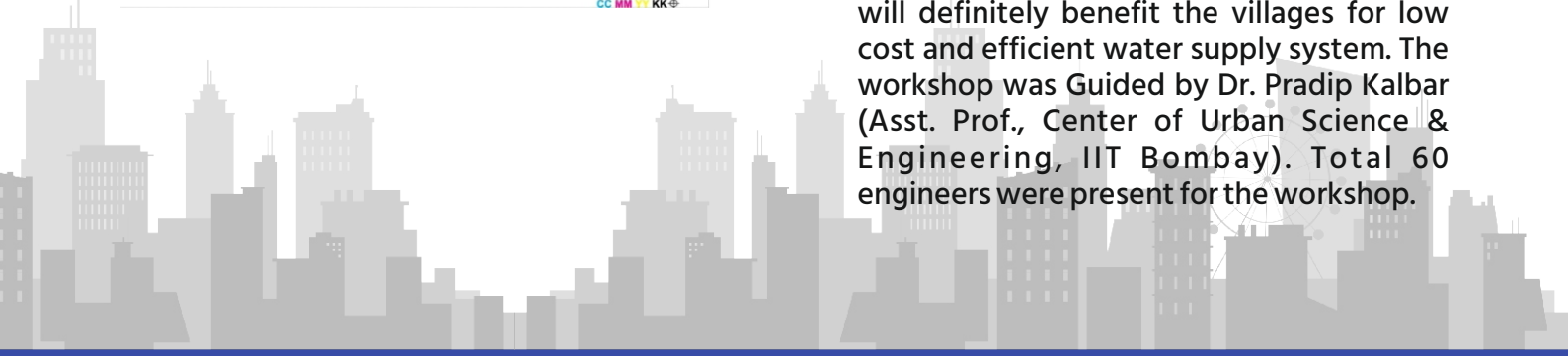
जि. प. च्या अभियंत्यांना 'जलतंत्र' सॉफ्टवेअरचे प्रशिक्षण
 केआयटीमध्ये कार्यशाळा : कमी खर्चात पाणी योजनांच्या नियोजनाचे मार्गदर्शन

कोल्हापूर, ११ : केआयटी अभियांत्रिकी महाविद्यालय (स्वायत्त) आणि जिल्हा परिषद कोल्हापूर यांच्या संयुक्त प्रयत्नांमुळे आय. आय. टी. मुंबईच्या सहयोगाने आयोजित झालेल्या 'जलतंत्र' सॉफ्टवेअरच्या प्रशिक्षण कार्यशाळेत आज सकाळी सुरुवात झाली. या कार्यशाळेत जिल्हा परिषद कोल्हापूरच्या अभियंत्यांना 'जलतंत्र' सॉफ्टवेअरचा उपयोग करून घ्यायचा आहे, याबाबतचे मार्गदर्शन देण्यात येईल. या कार्यशाळेत सहभागी झालेल्या अभियंत्यांना या सॉफ्टवेअरचा उपयोग करून घ्यायचा आहे, याबाबतचे मार्गदर्शन देण्यात येईल.

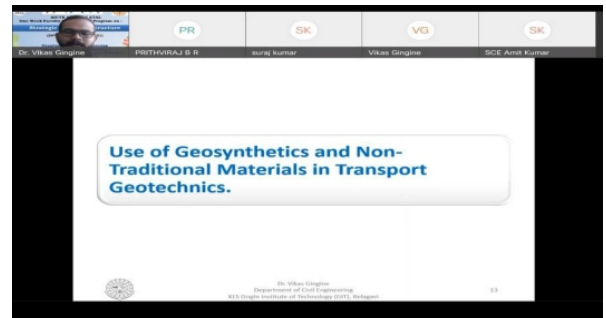
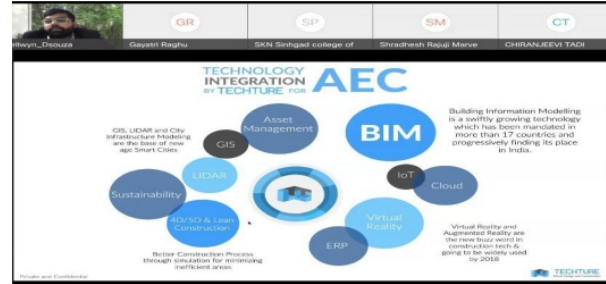
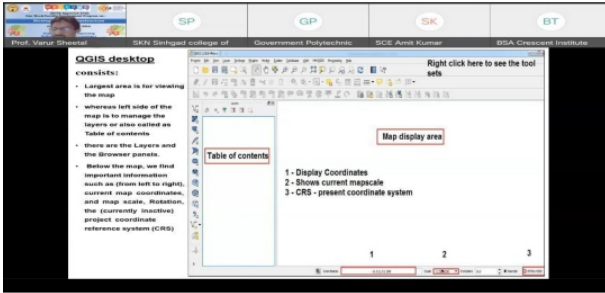
कार्यशाळा आयोजित करणारे अधिकारी : डॉ. आदित्य कि. खेबुडकर, सहयोगी प्राध्यापक, स्थापत्य विभाग, के. आय. टी. अभियांत्रिकी महाविद्यालय, कोल्हापूर. या कार्यशाळेत सहभागी झालेल्या अभियंत्यांना या सॉफ्टवेअरचा उपयोग करून घ्यायचा आहे, याबाबतचे मार्गदर्शन देण्यात येईल.

कार्यशाळा आयोजित करणारे अधिकारी : डॉ. आदित्य कि. खेबुडकर, सहयोगी प्राध्यापक, स्थापत्य विभाग, के. आय. टी. अभियांत्रिकी महाविद्यालय, कोल्हापूर. या कार्यशाळेत सहभागी झालेल्या अभियंत्यांना या सॉफ्टवेअरचा उपयोग करून घ्यायचा आहे, याबाबतचे मार्गदर्शन देण्यात येईल.

One day workshop was arranged with association with IIT, Bombay and Zilla Parishad, Kolhapur for engineers of Water Supply Department, Zilla Parishad, Kolhapur. In this workshop, training of "JALTANTRA" software was given to all the engineers of Zilla Parishad. This software is based on low cost techniques for water supply system. Using this software and the new techniques invented by IIT(Bombay) it will definitely benefit the villages for low cost and efficient water supply system. The workshop was Guided by Dr. Pradiip Kalbar (Asst. Prof., Center of Urban Science & Engineering, IIT Bombay). Total 60 engineers were present for the workshop.



AICTE Training And Learning (ATAL) Academy: One Week Faculty Development Programme (FDP) on, "Strategic Civil Infrastructure"



AICTE Training and Learning (ATAL) Academy Sponsored Online Faculty Development Program on "Strategic Civil Infrastructure" Department of Civil Engineering, Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur was commenced on 25th October, 2021 at 9.30 am on Cisco WebEx Platform. The program started with the Inauguration Function for which Mr. M.N. Sreehari Chief Executive Officer, Consortia of Infrastructure Engineers, CEO, Intelligent Traffic Solutions, India Bangalore - was invited as a Chief Guest.

Dr. V. V. Karjinni, 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 Department of Civil Engineering had introduced all to the details and objectives of the ATAL FDP, Sessions, FDP Themes and Resource Persons. There were total 14 sessions (03 sessions per day) scheduled during this FDP from 25th to 29th October, 2021. The number of participant registered for the FDP was 119.

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. Suraj Vishwajit Shah	AICTE Sponsored One Week Online Faculty Development Programme	"Futuristic Trends in Civil Engineering"	Department of Civil Engineering, New Horizon College of Engineering, Bengaluru.	05-07-2021	10-07-2022
2	Mr. A. B. Sawant	ISTE approved Online/SF-STTP/FDP Programm	"Structural Health Monitoring, Retrofitting and Rehabilitation"	Rasiklal M. Dhariwal Sinhgad School of Engineering, Pune, Maharashtra	12-07-2022	16-07-2021
3	Mr. Suraj Vishwajit Shah	Two Days Online National Webinar	"Foundations for Infrastructure Facilities: Principles and Sustainable Practices"	Department of Civil Engineering, Don Bosco College of Engineering, Fatorda, Goa	02-09-2021	03-09-2021
4	Mr. Suraj Vishwajit Shah	Online FDP	"Software Applications in Civil Engineering"	"BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI, Karnataka"	06-09-2021	10-09-2021
5	Mr.Omkar Prakash Suryawanshi	Online FDP	"Software Applications in Civil Engineering"	"BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT, BALLARI, Karnataka	06-09-2021	10-09-2021
6	Mr.Omkar Prakash Suryawanshi	Offline Workshop	One day hands on workshop on "Low cost solutions for water supply systems"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	09-09-2021	09-09-2021
7	Mr. Suraj Vishwajit Shah	One week online Faculty Development Program	"Recent Advances in Civil Engineering"	Department of Civil Engineering, Sharad Institute of Technology, College of Engineering, Yadrav (Ichalkaranji) in association with Indian Society for Technical Education	13-09- 2021	13-09- 2021

8	Mr. A. B. Sawant	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Immersive Virtual Reality"	KIT's College of Engineering (Autonomous), Kolhapur	14-09- 2021	18-09-2021
9	Mr. Suraj Vishwajit Shah	One week STTP	"Recent Trends in Civil Engineering" Sustainable Practices"	Department of Civil Engineering, Rajgad Dnyanpeeth's Shree Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune	25-10-2021	29-10-2021
10	Mr. Surendranah Shivaji Jadhav	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	25-10-2021	29-10-2021
11	Mr. Rajiv R. Chavarekar	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	Robotics and Artificial Intelligence	KIT's College of Engineering (Autonomous), Kolhapur	08-11- 2021	12-11-2021
12	Mr. A. B. Sawant	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	Robotics and Artificial Intelligence	KIT's College of Engineering (Autonomous),	08-11- 2021	12-11-2021
13	Mr. Surendranah Shivaji Jadhav	Online FDP	Green Technology and Sustainability Engineering	Civil & Environmental Engineering Department, KIT's College of Engineering, Kolhapur	25-11-2021	29-11-2021
14	Mr. A. B. Sawant	A. B. Sawant Online Training Program	ONLINE WORKSHOP ON NAAC	Jharkhad Government Tool Room, Ranchi	18-12- 2021	18-12-2021
15	Mr. Surendranath Shivaji Jadhav	Online Workshop	Audit and Repair Rehabilitation of Concrete Structure	Ultra Tech Cement Ltd	07-05-2022	07-05-2022
16	Mr. Rajiv R. Chavarekar	Online FDP	Recent Advances in civil Engg.	Department of Civil Engineering, Sharad Institute of Teccchnology college of Engineering (Autonomous), Ichalkaranji	13-09-2021	17-09-2021
17	Mr.Omkar Prakash Suryawanshi	Online Webinar	Two Days National Online Webinar On "Recent Trends In Concrete"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	20-08-2021	20-08-2021

18	All Faculties	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	25-10- 2021	29-10-2021
19	All Faculties	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Strategic Civil Infrastructure"	Department of Civil Engineering, KIT's College of Engineering (Autonomous), Kolhapur	25-10- 2021	29-10-2021
20	Mr.Omkar Prakash Suryawanshi	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Green Technology and Sustainability Engineering 2021-22"	Civil & Environmental Engineering Department, KIT's College of Engineering,	25-11- 2021	29-11- 2021
21	Mr. A. B. Sawant	AICTE Training And Learning (ATAL) Academy, One Week Online Elementary Faculty Development Programme	"Green Technology and Sustainability Engineering 2021-23"	Civil & Environmental Engineering Department, KIT's College of Engineering, Kolhapur	25-11- 2021	29-11- 2021



Special Achievement



Mr. Sandeep G. Sawant (M.E. Civil, Ph. D. Research Scholar (Civil Engineering)) has received Young Researcher Award 2021 by Institute of Scholars for publishing paper titled "Strengthening of RC Beam using Glass Fiber Reinforced Polymer" in conference Innovative Trends in Civil Engineering for Sustainable Development organized by IEI, Pune Local Center and RIT, Islampur, Sangli in 2018

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Certificate


Young Researcher Award 2021
awarded to

Sawant Sandeep Ganapati

M.E. Civil, Ph.D. Research Scholar (Civil Engineering)
Assistant Professor
Department of Civil Engineering
KIT'S College of Engineering (Autonomous)
Kolhapur, Maharashtra

For the work with following details:

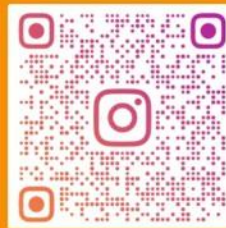
Publication Type: Conference
Paper Title: Strengthening of RC Beam-Using Glass Fiber Reinforced Polymer.
Conference Name: Innovative Trends in Civil Engineering for Sustainable Development
Organizer: IEI, Pune Lokal Center and RIT, Islampur Sangali
Year: 2018
Page No.: 179-194


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