



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



KIT's College of Engineering, Kolhapur (An autonomous institute)

Department of Computer Science and Engineering

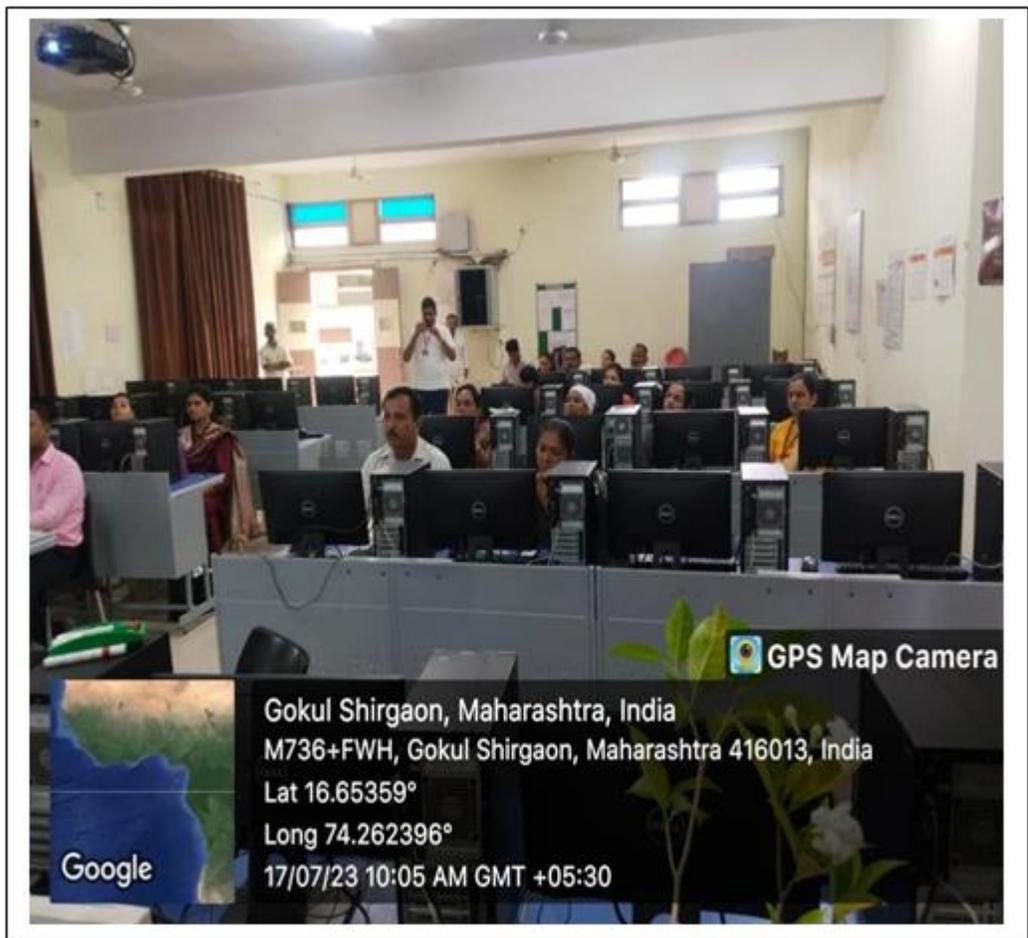
ACTIVITY 1

- **Name of Activity:** ISTE Approved One Week National Short Term Training Program (STTP) on "Cyber Security and Blockchain Technology" organized by the department of CSE in association with ISTE, New Delhi
- **Date and Time:** 17th to 21st July, 2023 (One week) from 09:30 am to 4:30 pm
- **Mode:** Offline
- **Venue :** IoT Lab, Department of CSE
- **Attendees:** 40 participants from KITCoEK and other institutes
- **Coordinators:** Mrs. Ranjeeta Pandhare, Mr. Samadhan Palkar, Assistant Professors, CSE
- **Convenor:** Dr. A. S. Patil, Head, CSE
- **Expert/Instructor Details:**
 - **Mr. Vinit Nirwane**, Cyber Security Operations Senior analyst, TIAA, Pune
 - **Mr. Omkar Kumbhar**, Offensive Security Engineer, PayPal, Bengaluru, Karnataka
 - **Mr. Rahul Sonkamble**, Assistant Professor, MIT ADT University, Pune
- **Contents:**
 - Basics of Cyber Security
 - Offensive Cyber Security
 - Defensive Cyber Security
 - Introduction to Blockchain technology
 - Blockchain Frameworks

- **Details:**

Day1 -17th July, 2023

Day1 started with the inauguration of STTP by Dr. A. S. Patil, Head, CSE. The resource person Mr. Vinit Nirwane, Cyber Security Operations Senior analyst, TIAA, Pune was introduced and felicitated by HoD, CSE. Mr.Vinit started with the sessions with introduction to cyber security, then on defensive security and also conducted the lab sessions. Total 40 participants registered and attended the training from KITCoEK and various other institutes and colleges. There were 3 sessions per day, session1 – 9:30 am to 11:00 am, session2 : 11:30 am to 1:30 pm, session 3: 2:30 pm to 4:30 pm



Day2 -18th July, 2023

Day2 started with concepts on defensive cyber security and hands on sessions on tryhackme website which the website in order to study the concepts of Cyber security and certification along-with the Kali Linux tools on security, Mr, Vinit Nirwane delivered excellent sessions for consecutive 2 days.

Col. Pratapsinh Raorane (Retd.) Sir visited the training program on the day and enlightened the participants on the modern trends on cyber security with his valuable experience and thoughts.

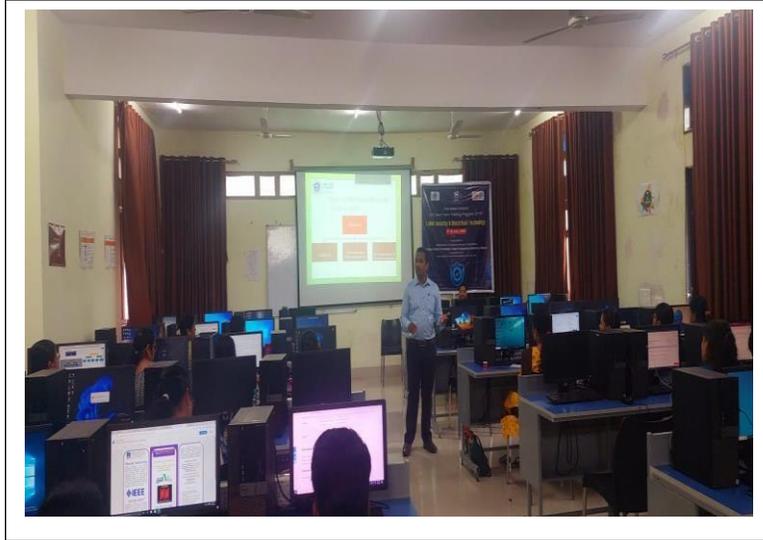
Day3 – 19th July, 2023

Day3 sessions were conducted by Mr. Omkar Kumbhar, Offensive Security Engineer, PayPal, Bengaluru,Karnataka. He delivered the training on offensive Cyber security and hands on sessions on security tools.



Day 4– 20th July, 2023

On Day4 of the STTP, Blockchain technology was introduced by Mr. Rahul Sonkamble, Assistant Professor, MIT ADT University,Pune. He took excellent sessions on Blockchain introduction, Blockchain applications, current trends in BC and lab sessions on BC for participants.



Day5 – 21st July, 2023

On the last day of the training, Prof. Sonkamble delivered sessions on BC framework- Ethereum and hand-on sessions on solidity programing on BC.

Valedictory program was done in the last session where Dr. A. S. Patil addressed the participants with his valuable thoughts and Mrs. Ranjeeta Pandhare delivered the vote of thanks for the program. The program was ended with Certificate distribution and feedback of participants. The training program was done successfully with the team efforts of Faculty Coordinators , Convenor , teaching and non-teaching faculty and support of KIT Management.

STTP Brochure

One Week National
ISTE Short Term Training Program
(STTP)

Cyber Security & Blockchain Technology

17 - 21 July, 2023




Organized by
Department of Computer Science & Engineering
Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur
In Association With
Indian Society For Technical Education, New Delhi



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CONVENER

Dr. A. S. Patil
Dean Academics and HOD CSE

CO-ORDINATORS

Mrs. Ranjeeta Pandhare
Assistant Professor, CSE
8806719196

Mr. Samadhan Palkar
Assistant Professor, CSE
9623953922

ADVISORY COMMITTEE

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ABOUT KIT's CoEK

Premier Institute in engineering & Technology established in 1983 by a group of visionary industrialists, professionals and educationalists. The vast exposure and experience of its founders has helped Kolhapur Institute of Technology's College of Engineering Kolhapur to establish its identity as an Institute of repute in the field of Engineering and Management education. The first among the self-financed engineering colleges in Maharashtra. The Institute has been awarded "A Grade Status with CGPA 3.12" by The National Assessment and Accreditation Council (NAAC), Bengaluru. Institute has successfully received accreditation for six departments (Civil Engineering, Computer Science & Engineering, Environmental Engineering, Electronics Engineering, Mechanical Engineering, and Production Engineering) by National Board of Accreditation (NBA), New Delhi, which is Govt. body for accreditation of programs in institutes. The Institute has also received Permanent Affiliation by Shivaji University Kolhapur and has received Autonomous status. We are committed to students and stakeholders for best results and following it successfully produced more than 15000 engineers getting campus placements and becoming entrepreneurs becoming one of the most prominent and successful Institute for Engineering Education in western Maharashtra.

ABOUT CSE

The Computer Science and Engineering Department was started in the year 1999 with intake capacity of 60 seats. From 2018, the Department has an additional intake of 60 students, so total UG intake is 180 students. We are running M.TechCSE(Data Science) with 6 intake. CSE is identified as one of the most challenging and as an essential source of tools and techniques for advancement in every multidisciplinary areas. It has been accredited by NBA in 2008 and recently in 2018. We have highly committed and competitive team of faculty fraternity, who experiments and adapts new innovative pedagogy methods for making all the technical concepts clear as well to keep our students abreast with the latest technologies, skills and developments emerging in this field. We have 5 Doctorate Faculty member and 13 Faculty members are pursuing PhD from various universities. This practice has proved our students very challenging and successful in various domains of competitions at university, state and national level.

ABOUT FDP

The One Week ISTE Short Term Training Program (STTP) has been scheduled in KIT's College of Engineering(Autonomous) Kolhapur by department of CSE from 17th July 2023 - 21st July 2023. The aim of STTP is give wide exposure to participants of cyber security area which is need of today's fast growing Internet and dependencies of individuals and businesses for different kind of day to day needs. Along with this STTP going to explore the most demanding and widely used Blockchain technology in detail from basic to advanced concepts. More focused lab sessions are the heart of this program. By attending this STTP participant acquire necessary practical skills and get wide exposure to different tools and techniques in the current market.

SCHEDULE

Date (July)	Content
17/07/2023	Cyber Security
18/07/2023	Ethical Hacking
19/07/2023	Bitcoin Network and Payments
20/07/2023	Smart Contracts and Ethereum
21/07/2023	Hyperledger and Alternative Blockchain

Venue
IoT and Machine Learning Lab, CSE Department
Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur

Who can attend
All the faculty members/PG Student/Industry Person/PhD Scholar from the Engineering/Polytechnic/Computer Science colleges can attend the program

RESOURCE PERSONS

Mr. Vinit Nirwane
Cyber Security Operations Senior Analyst, TIAA

Mr. Rahul Sonkamble
Assistant Professor, MIT ADT University, Pune

Mr. Omkar Kumbhar
Offensive Security Engineer, Paypal

REGISTRATION FEES

Rs. 500/- will be charged towards registration fees for all types of participants. Payment Link is available in online registration form.

REGISTRATION LINK

<https://forms.gle/Ee1hagGAcM7nYww66>

(Or) Scan this QR Code For FDP Registration



WhatsApp GROUP

<https://chat.whatsapp.com/INvCWUe6GF5C8z0yZdB110>

(Or) Scan this QR Code To join WhatsApp Group



REGISTRATION FORM

One Week National
ISTE Short Term Training Program
(STTP)

Cyber Security & Blockchain Technology

17- 21 July 2023




Organized by
Department of Computer Science & Engineering
Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur
In Association With
Indian Society For Technical Education, New Delhi

Name: _____

Designation: _____

Department: _____

Institute: _____

Address: _____

Mobile No: _____

Email: _____

Signature: _____

Head
Department of Computer Science and Engineering

ACTIVITY 2

- **Name of Activity:** SY Induction program for the Students of SY B.Tech, CSE
- **Date and Time:** 22nd August, 2023, 10:00 to 11:30 am
- **Venue:** Seminar hall, Main building, KITCoEK
- **Attendees:** SYCSE students of Div A, B and C
- **Coordinators:**
 - Mrs. Ranjeeta Pandhare, Assistant Prof., CSE dept.& CSI Faculty coordinator
 - Mrs. Y. S. Narule, Assistant Prof., CSE dept
 - Ms. Sheetal Dinde, Assistant Prof., CSE dept
 - Mr. Vivek Ugale, Assistant Prof., CSE dept
- **Details:**
 - Induction program was conducted for SY. B.Tech CSE students of SY B.Tech Div A,B and C in Seminar hall, Main building of the institute
 - Dr. M. B. Vanarotti, Director, KITCoEK addressed the students about KIT and encouraged the students to their academics and other activities of the department.
 - Dr. Ajit S. Patil, Head, Dept of CSE, introduced the information about the department and its activities/progress done up till now.
 - Dr. Amit Sarkar, TPO guided about the T& P activities of the institute and department.
 - SY Students enthusiastically attended & participated in the induction program
- **Photos/Moments:**



ACTIVITY 3

Activity:	A Guest Lecture on Advanced Java Programming
Date:	21st October, 2023
Time:	9am to 12pm
Venue:	Seminar Hall, KIT's College of Engineering, Kolhapur
Coordinator Name:	Mr. Mahesh S Salunkhe, Mr. Sameer B Patil
Present Audience:	Third year students of the department
Expert Details:	Mr. Nilesh Miskin, Chief Digital Officer, Vikasietum, Pune
Report Author/s:	Mr. Mahesh S Salunkhe

SUMMARY

Mr. Nilesh focused mainly on the following concepts:

- 1. Streams**
- 2. Lambda Expressions and**
- 3. Functional Programming**

Around 150 students attended the lecture.

Photos/Movements:





Shot on OnePlus
By समीर पाटील



Shot on OnePlus
By समीर पाटील

ACTIVITY 4

Date: November 5, 2023

Time: 9:00 AM to 4:00 PM

Venue: Lab 7-8, CSE Department

The PYCRAFT Python Workshop was a one-day event held on November 5, 2023, at the CSE Department of KIT's College of Engineering. The workshop was designed to introduce participants to the fundamentals of Python programming and provide them with hands-on experience coding in Python.

The workshop was led by Mr. Zebaam Mulla, a Python expert with more than 10 certificates in python and having four-star rating. The workshop commenced at 9:00 AM with a warm welcome and introduction of Mr. Zebaam Mulla by our faculty Coordinator Mr. Sandip Rabade Sir. He also empathizes the boom of python programming in various field & wholesomely welcomed the participants too. Mr. Avdhut Pailwan was the Event coordinator for the PYCRAFT.

Workshop Highlights

- Introduction to Python programming
- Fundamentals of Python syntax
- Control structures (loops, conditional statements)
- Functions
- Data structures (lists, tuples, dictionaries)

Mr. Zebaam began with the fundamentals of Python programming, covering topics such as variables, data types, and basic syntax. His teaching style was engaging and accessible, making it easy for participants to grasp even if they were new to programming.

Participants were introduced to control structures such as loops and conditional statements. Mr. Mulla used practical examples to illustrate these concepts, making them relatable and understandable. He explained the concept of functions and how to define and use them in Python. Participants learned about various data structures like lists, tuples.





ACTIVITY 5

A brief about the event:

On 25th February, KITCOEK witnessed the event of CODE VENTURE, organized by TEAM ACSES of the Computer Science and Engineering Department.

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

PIONEER 2024
WHERE TECHNOLOGY MEETS TOMORROW
A NATIONAL LEVEL TECHNICAL EVENT

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

25 FEB 2024 | REGISTRATION FEE - ₹100/-

CODE VENTURE
WELCOME TO THE CODING SAFARI

POP QUEST
(C / PYTHON)
ROUND 1 : APTI HUNT
ROUND 2 : PSEUDO MAZE
ROUND 3 : CODE JUMANJI

OOP QUEST
(C++ / JAVA)
ROUND 1 : APTI HUNT
ROUND 2 : PSEUDO MAZE
ROUND 3 : CODE JUMANJI

Prizes Worth- ₹10000/-

CONTACT :
RITESH BAKARE - 7249531065
ARYA MANE - 7507666000

Mr. Swaroop Chavan Mr. Sandip Rabade Dr. Lingaraj Hadimani Dr. Mohan Vanarotti Mr. Dipak Chougule Mr. Sajid Hudli Mr. Sunil Kulkarni
President, ACSES Faculty coordinator, ACSES Head, Department CSE Director, KITCOEK Secretary, KITCOEK Vice-Chairman, KITCOEK Chairman, KITCOEK

The Inauguration ceremony took place at the OAT (Open Air Theater) at 10:00 am. It was a great pleasure to have Mr. Kabir Gaikwad as the Chief Guest for the inauguration. Sir is a Head Corporate HR at ATLAS COPCO, Pune and along with him we also had Mr. Gopi Chand Merugu Deputy Secretary, UGC, New Delhi.

The inauguration function was convened by Honorable Director Dr. Mohan Vanarotti, along with Dr. Jitendra Bhat (Dean Student Activity), Prof Deepali Jadhav (Convener Pioneer 2024) and Prof. Ashwini Shinde.





The arrival of students was started by 9:00 am. The event commenced with the traditional Deep Prajwalan and Saraswati Pujan at 10:10 am.

With over 450+ registrations, Code Venture surpassed expectations, drawing participants from various places and colleges nearby Kolhapur. This report aims to provide a comprehensive overview of the event, highlighting its key features, success factors, and the impact it has had on the college community.



The dignitaries were then invited to deliver their welcome address, emphasizing the importance of technology and its applications in today's world. Before that the students were instructed to seat in classes CSCR 03 and CSCR 04. Then 2 batches were created and students were distributed in these batches. Accordingly, classes were allocated to them. The much-awaited Lab Inauguration took place at 11:00 am, and the team was ready to conduct the first round.

Objective :

The objective of Code Venture is to provide participants with an opportunity to gain knowledge and skills for prior placement activities, specifically in the areas of aptitude, puzzles, and coding. The competition aimed to stimulate participants for improving their problem-solving abilities, algorithmic thinking, and coding proficiency. Promoting "Excellency in Technical Knowledge" and the overall welfare of students.

EVENT STRUCTURE & FLOW OF ROUNDS:

With over 450+ registrations, Code Venture surpassed expectations, drawing participants from various places and colleges nearby Kolhapur. This report aims to provide a comprehensive overview of the event, highlighting its key features, success factors, and the impact it has had on the college community.



Code Venture was structured to challenge participants' skills across three distinct rounds, each designed to assess different facets of technical proficiency:

1. APTIHUNT
2. PSEUDOMAZE
3. CODE JUMANJI

The rounds were conducted on Hacker rank platform. The programming competition began with ROUND 1, BATCH 1 of POP Category at 11:30 am. Followed by Batch 2, of OOP as well as POP Category students at 12:30. The students participated enthusiastically, showcasing their programming skills and technical knowledge. The Round 1 of AptiHunt served as a platform to evaluate participants' aptitude and logical reasoning skills. Through a series of thought-provoking puzzles and brain teasers, participants were tasked with unravelling complex problems.



The Round 1, was soon concluded by 1:45pm and results were displayed on the official website of ACSES as well

as on the Instagram page of ACSES. The results were displayed within 15min of completion of 1st round, and the next round of “Pseudo Maze” was started at 2:00pm.

A round dedicated to testing participants’ proficiency in algorithms and data structures. Participants encountered a series of coding challenges, ranging from basic to advanced, requiring them to leverage their understanding of algorithms to devise efficient solutions.



The competition was intense, with students trying to put their best foot forward to win the coveted prize. The final Round of “Code Jumanji” started at 3:30 after a short break and display of results. The students of both POP and OOP categories competed to be the winner.

The culminating round, Coding Jumanji, pushed participants to showcase their coding skills by tackling real-world programming problems. The participants displayed exceptional skills, which was evident as they put in a lot of hard work and dedication. The final round was completed by 4:30 and the scores of participants were tallied and the participants were instructed to be present in CSCR 03 classroom for the Valedictory ceremony.

Results and Valedictory Ceremony:

The Valedictory ceremony began at 5:15. The event was graced by the following guest:

1. Dr. Lingaraj Hadimani (Head, Computer Science and Engineering Department)
2. Prof. Sandip Rabade (Faculty Coordinator, ACSES)
3. Prof. Ranjeeta Pandhare (Faculty, CSE department)
4. Prof. Ajay Kapase (Faculty, CSE Department).

We also had Swaroop Chavan (President, ACSES), and Gauresh Kamat (Vice-president, ACSES).

Firstly, the dignitaries were felicitated and then we had a small interaction of Head of Department with students, and then Prof. Sandip Rabade and Prof. Ranjeeta Pandhare also shared their experience and words. Then the results were announced.

The results are as follows:

POP CATEGORY:

- Winner: Pratik Patil
- Runner- up: Parth Gaikwad

OOP CATEGORY:

- Winner: Ayush Kadam
- Runner-up: Nimish Joshi.



Conclusion:

In conclusion, Code Venture exemplifies the pinnacle of technical excellence and innovation at KIT College. Through its meticulously crafted rounds and robust participation, the event has not only showcased the talent and skill of its participants but has also fostered a culture of collaboration and learning. As we reflect on the success of Code Venture, we are reminded of the transformative power of community-driven initiatives in shaping the future of technology and engineering.

ACTIVITY 6

- **Name of Activity:** One day Workshop on “Ethical hacking” by the department
- **Date and Time:** 23rd March, 2024, 9:30 am to 5:00 pm
- **Mode:** Offline Venue: CSCR03 and CSE lab 7 , CSE dept.
- **Attendees:** 100 participants from TYCSE (Ethical hacking program elective group of students)
- **Registrations:** Free
- **Coordinators:** Ms. Ranjeeta Pandhare, Assistant Prof., CSE dept.& Mrs. Yogita Narule, Assistant Prof, CSE
- **Expert/Instructor Details:**
 - Mr. Yash Ghorpade, Software developer, Bentley systems, Pune
- **Contents of the Workshop**
 - ◆ Introductory concepts of Ethical hacking
 - ◆ Session hijacking
 - ◆ Web Hacking
 - ◆ Digital Signatures
 - ◆ Hands-on lab sessions on demonstration of cyber-attacks and Kali Linux tools

Photos/Moments:



