# AUGUST-SEPTEMBER 2021

# PUNE INSTITUTE OF COMPUTER TECHNOLOGY

## DEPARTMENT OF COMPUTER ENGINEERING



## Vision

Achieve academic excellence through education in computing to create intellectual and professional manpower to explore higher educational, research, and social opportunities.

## Mission

To impart learning by educating students with conceptual knowledge, hands on practices using modern tools and free and open source software, competency skills, and social awareness thereby igniting the young minds for innovative thinking, professional expertise and research.

## Message from Department Chair

"I am delighted to present newsletter a collection of amazing contributions from the faculties and students of computer engineering department. I feel it is a chance to thank all the contributors who directly or indirectly helped in the publication."

**M. S. Takalikar, Head – Department of Computer Engineering**

## Message from Editor's Desk

"Presenting to the readers and making the work of faculties reflect in the newsletter was really a wonderful task and on behalf of our team we present to you this wonderful ride of talent, achievements and joy."

# In This Issue

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**Editorial Team**
Prof P.A. Jain
Prof K. Gangrade
Prof A. A. Chandavale

# Placements & Internships

## Placements

- Total **196** students from department have been placed and **16** have received pre-placement offers.
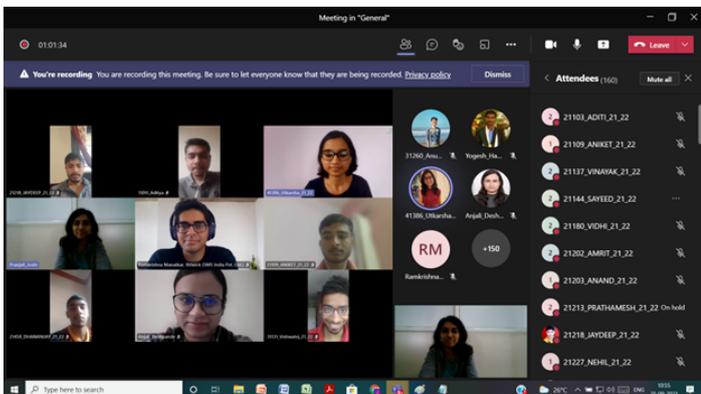- PhonePe selected 3 students and offered a package of 30.5 LPA



**Utkarsha Nehe** received pre-placement offer from Abobe with **40 LPA**. She got internship through Credit Suisse and off-campus internship offer from Adobe. She has worked as Product Intern at Adobe and also received final year project sponsorship from the professor of University of San Fransisco.

## Internships

- An" Internship Awareness Session" was conducted by Prof.Pranjali Joshi for SE and TE students and explained new internship policy Guidelines to students on 18-09-2021 .
- An" Internship Experience Sharing Session" was conducted by Prof.Pranjali Joshi for SE and TE students where Alumni and students shared their internship experience with students on 25-09-2021.



### Internship Aug-Sept-2021

| Sr.No | Company name | Selected Students |
|---|---|---|
| 1 | TechMahindra | Maithili Sabane |
| | | Aditya Mandke |
| | | Keshav Bihani |
| | | Kunal Shah |
| | | Tejas Dahad |
| | | Swatej Sonawane |
| | | Prathamesh Sonawane |
| | | Saket Gupta |
| | | Aamir Miyajiwala |
| | | Ankit Raj |
| 2 | CakeSoft Technologies | Aarkin Hrishikesh Karnik |
| | | Mitali Ravindra Sonawane |
| | | Shreyash Rajendra Dhane |
| | | Samarsinh Jitendra Salunkhe |
| | | Amey Girish Bhattad |
| | | Sakshi Harode |
| | | Neha Rajendra Marathe |
| | | Aditya Sonawane |
| 3 | Nice Pvt. Ltd | In process |
| 4 | NVIDIA | In Process |

# Activities Conducted

The Department has always believed in continuous learning of students and staff and developing their skill set according to industry. In view of this the Department has conducted following programs.

| Sr. No. | Activity | Title | No. of Participants | Duration | Staff Coordinator | Resource Person |
|---------|----------|-------|---------------------|----------|-------------------|-----------------|
| 1 | Faculty Orientation Program | Distributed Systems | 50 | One Day 21-08-2021 | Prof. M. S. Wakode Dr. A. R. Buchade | 1. Dr. R. B. Ingle 2. Dr. A. R. Buchade 3.Prof. Rajesh Bharati 4.Prof. Mahendra Jagtap 5.Prof. M. S. Wakode 6. Dr. Suresh Limkar |
| 2 | Faculty Development Program | Deep Learning for Computer Vision | 110 | Three Days 12-08-2021 14-08-2021 | Prof. P. S. Vidap | 1. Mr. Shabbir Bhusari 2. Dr. Sheetal Sonawane 3. Prof. Radhika Kulkarni 4. Dr. Bhakti Baheti 5. Mr. Vipul Vaibhaw 6. Mr. Aditya Mitkari 7. Dr. Bhushan Garware |
| 3 | Seminar | Orientation Session on GMAT and CAT | 76 | One Day 23-08-2021 | Prof. A. D. Bundele | Prof. A. D. Bundele |
| 4 | Workshop | Introduction of Tableau | 140 | Two Days 27-08-2021 28-08-2021 | Prof. P.S. Joshi | Prof. P.S. Joshi |
| 5 | Webinar | Cyber laws in legal perceptive | 250 | One Day 18-08-2021 | Prof. P. S. Vidap | Dr. Debaditya Roy |
| 6 | Webinar | Enjoying Cageless life – free from mind blockages | 70 | One Day 04-09-2021 | Prof. A. A. Chandorkar | B K Sheetal, Software Engineer, Rajyoga teacher, Dedicated |
| 7 | Invited /Expert Talk | Nontechnical Attributes that define a successful career | 300 | One Day 08-09- 2021 | Prof. A. A. Chandorkar Prof. A. A. Chandavale | Mr. Shailesh Vaidya, cofounder, CEO, Scorpius Trackers Pvt |
| 8 | Certificate Course | Data structures & object oriented programming with C++" | 71 | 30 Hours 13-09-2021- 23-11-2021 | Prof. Rutuja A. Kulkarni Prof. U.S. Pawar | Prof. Rutuja A. Kulkarni Prof. U.S. Pawar |

# Activities, Projects and MoU

| 9 | Workshop | Sensenut training | 20 | One Day 11/09/2021 | Prof. A. D. Bundele | Prof. A. D. Bundele |
|---|---|---|---|---|---|---|
| 10 | Conducted SPOS Syllabus-2019 implementation FDP session at SCOE, Pune | SPOS Unit1 overview and Assembler Design | 200 | One Day 05/08/2021 | Prof. A. A. Chandorkar | Prof. A. A. Chandorkar |
| 11 | Workshop | Competitive Programming | 130 | 20 Hours 04/09/2021 07/11/2021 | Prof. S.S.Suradkar | Mr. Varad Kulkarni Ph.D Student, dept.CDS, IISc Bangalore ‖ Ex. Engineer @PhonePe. Mr. Abizer Lokhandwala Software Development Engineer at CodeNation |

- **VEM Tooling Projects**
  - AI ML based Automatic measurement of 2D drawings
    - Development of a system for object recognition and dimensioning using different Machine learning algorithms: an automated fair generation for engineering drawing systems.
  - Automatic Dimension Extraction and Verification.
    - This a research problem to calculate the dimension of a 3D object using deep learning methods. The goal of this project is to create a system for 'Automatic dimension extraction and verification'

  Dr. R. B. Ingle is coordinating the above projects.



- **ecoRise Software Solutions LLP, Ltd**
  - CSV file data porting with TIFF data file and related data structure design and programming

  Dr. S. A. Joshi is coordinating the above project

- An MoU titled **PICT BMC QA initiative program** is signed with BMC software Pvt Ltd on 26/08/2021 for internships and project sponsorships.

# Radiance'21

PICT ACM Student Chapter-Women in Computing organized its Annual technical cum non-technical event:
A one of a kind fest, organized and managed by women & open for all, Radiance offers an extensive plethora of great events and contests, not only to improve technical skills but also to cultivate non-technical skills.



**PICT ACM chapter has won best student chapter award consecutively 4 times in a row.**

# Staff Achievements

- Two Staffs are engaged with UpGrad for video content creations under Consultancy with UpGrad Education Private Limited.
  - **Prof. P. S. Vidap** for Object Oriented Programming with Java Course
  - **Dr. G. P. Potdar** for Data Structures and Algorithm course

- **Prof**. **M. S. Wakode** has written Chapter No. 8 and 11 in "Unmanned Aerial Vehicles for Internet of Things (IoT): Concepts, Techniques and Applications" published by John Wiley and Sons on 03-08-2021 with Isbn/Issn No. 978-1- 119- 76916-3..
  - **Link of the Ebook–**
    https://www.wiley.com/enus/Unmanned+Aerial+Vehicles+for+Internet+of+Things+%28IoT%29%3A+Concepts%2C+Techniques%2C+and+Applications-p-9781119768821

- **Dr. R. B. Ingle** has written a book titled "Autonomic Computing in Cloud Resource Management in Industry 4.0" published by Springer International Publishing on 02-08-2021 with print ISBN978- 3-030- 71755-1.
  - **Link for the Ebook–** https://www.springer.com/gp/book/9783030717551#

- **Dr. A. R. Buchade** has been invited as Advisory Committee Member for 4th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2022) on 26-08-2021.

- **Dr. R. B. Ingle** has been invited as Academic Advisory Committee member in Academic Advisory Committee meeting (online) of Computer Engineering department at Army Institute of Technology for the academic year 2021-22 on 04-08-2021.

# Student Achievements

Department always encourage students to participate in various events and it is  proud to share following student achievements

| Sr. No. | Name of Student | Class | Achievement |
|---|---|---|---|
| 1 | **Krisha Bhambhani** | BE | Shortlisted for IEEE WISC (Women in Services Computing) Scholarship. The awardees are listed on IEEE WISC website |
| 2 | **Dheeraj Gonchigar** | TE | 251st rank in ICPC Pune-Gwalior regional round, 1274th rank in Google Kickstart Round E |
| 3 | **Ruturaj Dilip Patil** | SE | 1. Ranked 3rd in Code Strike Wildcard Event of Xenia '21(event of PCSB)<br><br>2. Ranked 2nd (junior category) in RC Event of CTD '21(event of PISB)<br><br>3. Advanced to final rounds of Bug-Off and Recode It events of PULZION '21(events of PASC)<br><br>4. Ranked 1100th team all across India, 7th in PICT college and 1st in college among FE students' team in the ICPC Amrita puri Regional's Preliminary Online Round 2021. |
| 4 | **Hetavi Shivanand Gandhi** | SE | "First Position in English Elocution (DEBSOC event)  and Second Position  in  Hindi Elocution (DEBSOC Event)" |
| 5 | **Namit Surana** | SE | Secured first position in *Innovative Idea Presentation organized by PVG's COE & SSD IoM Nashik* which was held on 15th September 2021. |
| 6 | **Sangmeshwar Mahajan** | SE | 1. Runner up in Radiance'21 in Web development.<br><br>2. Eligible for getting scholarship from 'DXC Progressing Minds Scholarship 2020-21' |
| 7 | **Sakshi Rathi** | SE | Got first prize in India designation challenge 2021 by JPMC. |
| 8 | **Tanisha Pareek** | SE | Achieved winner position in Sarojini event conducted by Radiance'21 PASC-W |
| 9 | **Sarthak Krishnat Hupare** | SE | 1.Hacker rank 5 star at Cpp |

# Student Corner

## PICT-Corporate Management Club

PICT-CMC is the institutional level Special Interest Group (S.I.G.) aims to promote careers in management fields and various allied options. Some of our students are management aspirants and during their journey to gain some insights about management, students felt a need for one place where they have people of common interest and grow together. It will benefit all these students for their career planning and understand the importance of management in any of the fields be it financial management, corporate management, or operations management

**PICT Corporate Management Club**

We are building a community for all the management enthusiasts out there

For Queries Contact
Dhaval Gundecha :
8459096896
Devansh Mundada :
7304473444

## Activities Conducted

## Orientation Session

**ORIENTATION**
**PICT Corporate management club**

Thank you for such an amazing response for the club!
So now here we are to make it worth a while.
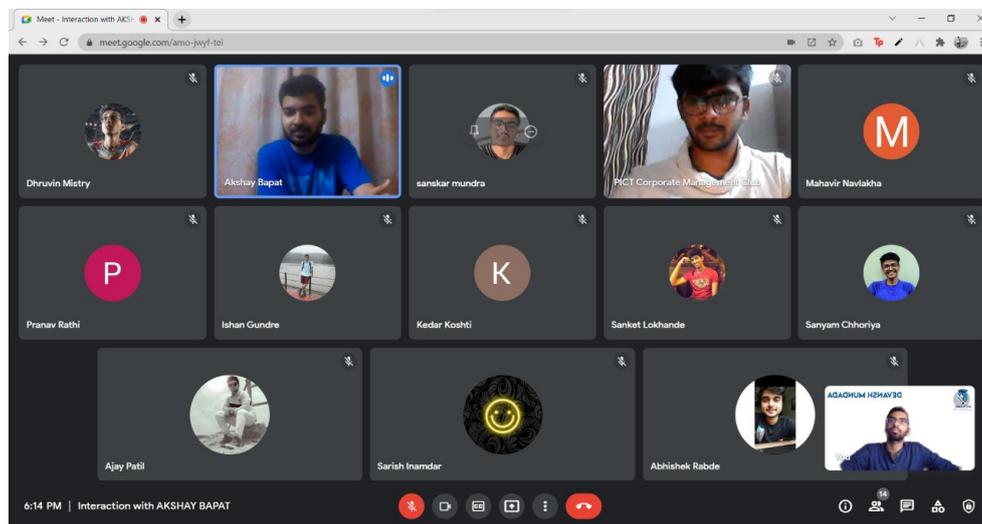
13th September 2021

6 P.M.

For Queries Contact
Dhaval Gundecha :
8459096896
Devansh Mundada :
7304473444

An orientation session was conducted by **Devansh Mundada** and **Dhaval Gundecha** where they educated all the members of the club about the vision and mission of the club along with interaction about the activities planned in the future and the description about the courses which they can take up in the management industry. The session was concluded with Q and A session and 65 students have attended the session.

# Student Corner

## An interaction with Mr. Akshay Bapat

The session was all about the cat preparation which Mr Akshay bapat did along with how did he completed his MBA and his experiences how does this suggest juniors to do and along with that he also guided upon whether you should do an MBA why you should do an MBA and a lot many questions of the members it was an overall session about how to go about a fresher MBA when you are from pict what are the problems will face and what are your pros and what are the cons



## Message from the founders

We, Founders of PICT CMC wanted to explore a different domain of careers apart from the technical domain that is the management domain. We have been in management roles since our first year and wanted to educate people regarding the same. If you don't like coding and still want to have a good career, we have got you covered. We at CMC will help you build your profile and also accompany you along with preparation. We are basically creating a group of like-minded people who want to pursue a career in the management industry. We welcome you to PICT CMC.

**Devansh Mundada**
**Dhaval Gundecha**

# Alumni Achievements

- Ms. **Anuja Musale** has scored an All India Rank AIR-511 at UPSC Civil Services Exam 2020.
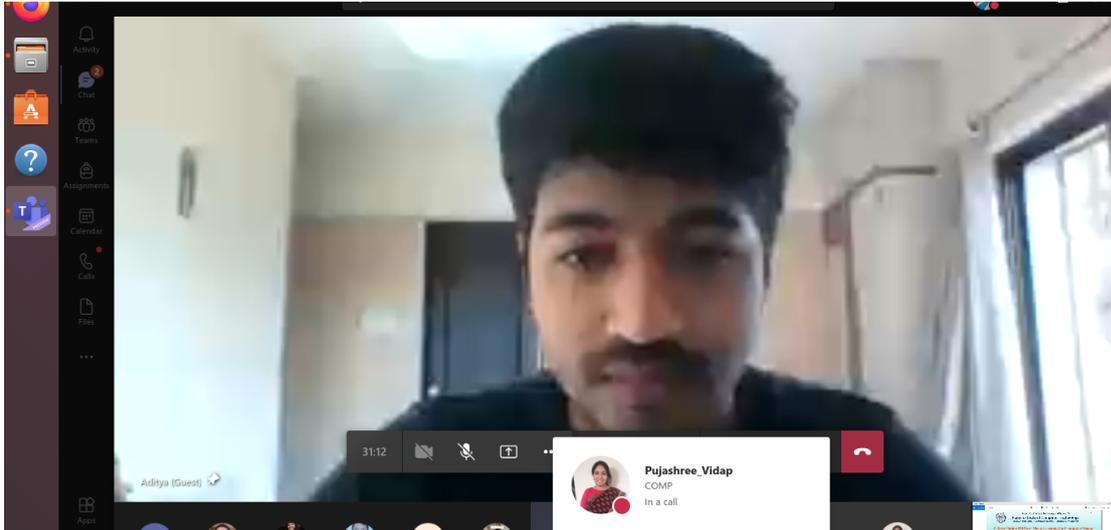


- Ms. **Neha Narkhede** Co-founder of Confluent INC has got listed on National Association of Securities Dealers Automated Quotations (**NASDAQ**) The American Stock Exchange.



## स्वबळ-संपूर्ण

'फोर्ब्ज'च्या अमेरिकेतील कर्तबगार महिलांच्या यंदाच्या यादीतील एक मराठी नाव लक्ष वेधत आहे. हे नाव आहे, नेहा नारखेडे. 'कॉन्फ्लुएंट' या क्लाउड कंपनीच्या त्या सहसंस्थापक. वयाच्या छत्तिसाव्या वर्षी त्यांचे एकूण उत्पन्न १२ कोटी ५० लाख डॉलर इतके आहे. 'फोर्ब्ज'च्या या महिन्यात जाहीर झालेल्या यादीत त्या २९व्या स्थानावर आहेत. कॅलिफोर्नियात राहणाऱ्या नेहा यांचा पाच वर्षांतील स्वबळावरचा हा प्रवास थक्क करणारा आहे. पुणे इन्स्टिट्यूट ऑफ कम्प्यूटर टेक्नॉलॉजीमधून त्यांनी २००६ मध्ये पदवी घेतली. जॉर्जिया इन्स्टिट्यूट ऑफ टेक्नॉलॉजीमधून त्या एमएस झाल्या. आधी 'ओरॅकल' आणि नंतर 'लिंक्डइन'मध्ये सॉफ्टवेअर इंजिनीअर म्हणून नोकरी केली. 'अपाची काफ्का' हे ओपन सोर्स मेसेजिंग सॉफ्टवेअर आज इव्हेंट स्ट्रीमिंग करणाऱ्या बलाढ्य कंपन्यांचे आवडते आहे. ते तयार केले आहे, तेव्हा 'लिंक्डइन'मध्ये काम करणाऱ्या जे क्रेप्स, नेहा नारखेडे आणि जून राव या तिघांनी. याच तिघांनी २०१४ मध्ये 'कॉन्फ्लुएंट' हे स्टार्टअप सुरू केले. नेहा यांनी चीफ टेक्नॉलॉजी ऑफिसर म्हणून जबाबदारी सांभाळली. आता त्या संचालक मंडळात आहेत. जूनमध्ये या कंपनीचा आयपीओ आला. कंपनीने ८२ कोटी ८० लाख डॉलर उभारले. कंपनीचे मूल्य ९.१ अब्ज डॉलर इतके झाले. तेव्हापासून नेहा यांची कंपनी चर्चेत आहे. २०१७मध्ये एमआयटी टेक्नॉलॉजीने पस्तिशीच्या आतील नवकल्पनाकार म्हणून नेहा यांचा गौरव केला होता. तंत्रज्ञान क्षेत्रातील जगातील आघाडीच्या पन्नास महिलांच्या 'फोर्ब्ज'च्या यादीत त्यांचे नाव आधीही आले होते. आता 'सेल्फ मेड विमेन'च्या यादीत यादीत इंद्रा नूयी, रेश्मा शेट्टी, जयश्री उल्लाल, नीरजा सेठी यांच्यासोबत नेहा नारखेडे हेही नाव आहे. नारखेडे कुटुंब मूळचे जळगाव जिल्ह्यातील सावदा येथील. नेहा यांचा जन्म आणि शिक्षण पुण्यात झाले. 'यशाचे संपूर्ण श्रेय बाबांना. लहानाची मोठी होत असताना त्यांनीच पुरुषांच्या क्षेत्रात पाय रोवून उभ्या असलेल्या महिलांची पुस्तके आणि गोष्टींद्वारे ओळख करून दिली,' असे त्यांनी म्हटले होते. आज त्या स्वतःच असंख्य युवतींच्या प्रेरणास्रोत बनल्या आहेत.
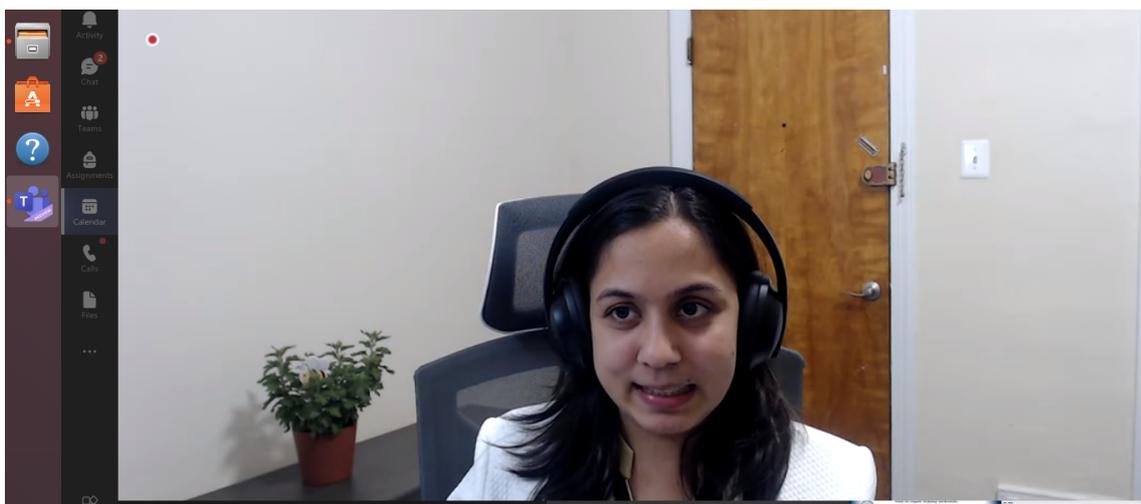
नोंद

नेहा नारखेडे

# Alumni Interaction

- **Mr. Aditya Mitkari** Machine Learning Engineer at Onward Assist was one of the resource person in Faculty Development Program on "Deep Learning for Computer Vision". He has delivered session on **"Object detection, localization and segmentation with deep learning".**
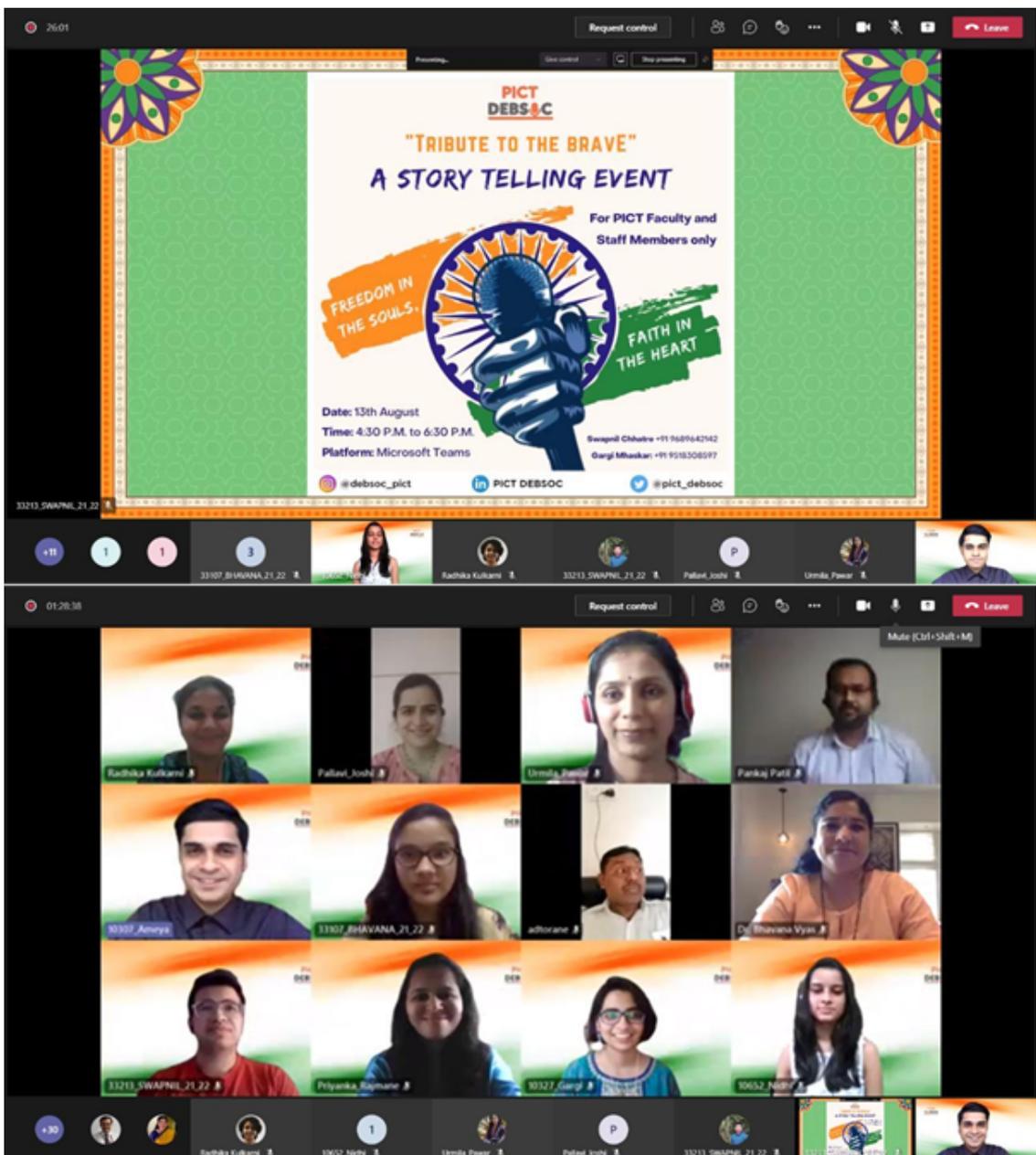


- **Dr. Bhakti Baheti** Postdoctoral Researcher at University of Pennsylvania was one of the resource person in Faculty Development Program on "Deep Learning for Computer Vision". She has delivered session on **"CNN and image classification".**



- **Mr Varad Kulkarni** Ph.D Student, IISc Bangalore and Ex. Engineer @PhonePe and Mr Abizer Lokhandwala Software Development Engineer at CodeNation are conducting competitive coding workshop for SE, TE and BE students.

- **Mr Shailesh Vaidya**, Co-founder CEO Scorpius Trackers was the resource person for the session "Nontechnical Attributes that define a successful career" arranged as part of BCSL for second year students.

Azadi Ka Amrit Mahotsav was an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of it's people, culture and achievements. Computer Department celebrated the Azadi Ka Amrit Mahotsav by singing the National Anthem together on Monday, 09th August, 2021.
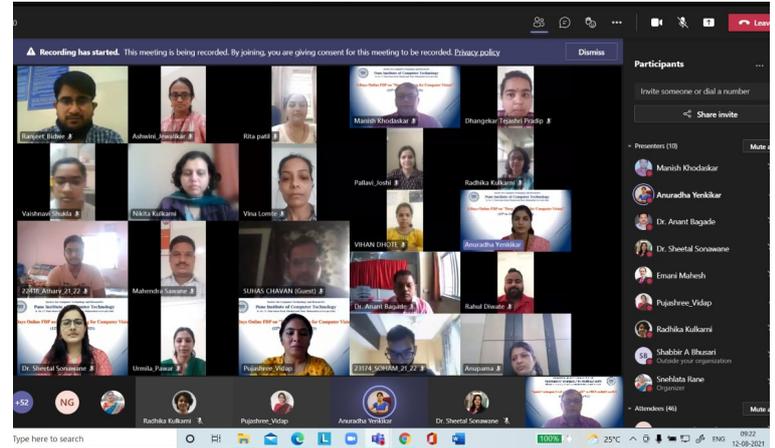
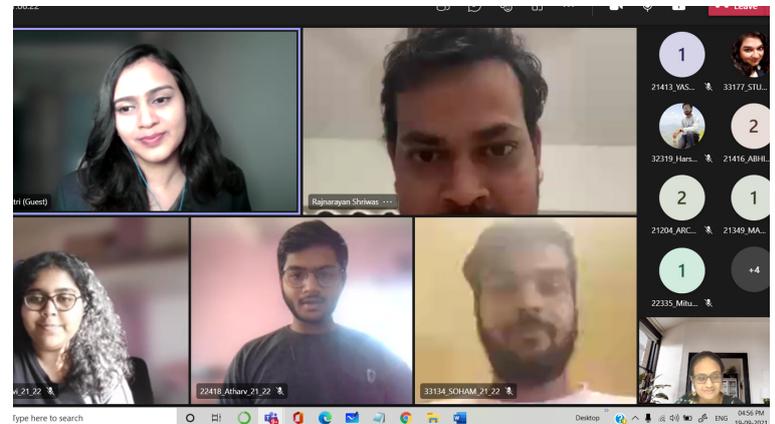# Cultural Events

# Some Glimpse

**FOP on Distributed Systems**
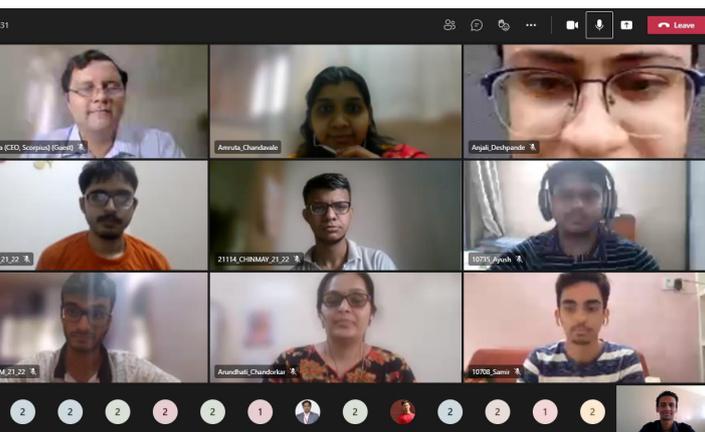


**FDP on Deep Learning for Computer Vision**



**Workshop on Tableau**



**Orientation session on GMAT/CAT**



**Session on Non-technical attributes that define a successful career**



**Certificate Course on Data Structures and Object Oriented Programming on C++**