

Pune Institute Of Computer Technology
Department of Information Technology

MAGAZINE
2023-24 ISSUE 2

Institute Vision and Mission

Vision

Pune Institute of Computer Technology aspires to be the leader in higher technical education and research of International repute.

Mission

To be the leading and the most sought after institute of education and research in emerging engineering and technology disciplines that attract, retains and sustains gifted individuals of significant potential.

Department Vision and Mission

Vision

The department endeavors to be recognized globally as a centre of academic excellence and research in Information Technology.

Mission

To inculcate research culture among students by imparting information technology related fundamental knowledge, recent technological trends and ethics to get recognized as globally acceptable and socially responsible professionals.



From left to right, bottom to top:

- Prof. N. P. Sapkal, Dr. S. C. Dharmadhikari, Dr. A. M Bagade, Dr. A. S. Ghotkar, Dr. P. T. Kulkarni, Dr. S. T. Gandhe, Dr. S. B. Deshmukh, Dr. K. A. Sultanpure, Prof. S. S. Pande, Prof. A. A. Chavan
- Prof. R.S. Malpani, Ms. S G Patil, Ms. B M Deshpande, Prof. U A Joglekar, Ms. A M Kulkani, Prof. K Y digholkar, Prof D.S.Sapkal, Prof. S A Jakhete, Dr. A V Yenikar, Prof. R A Karnavat
- Prof. S. R. Hiray, Ms. P P Verma, Prof. D P Salapurkar, Ms. S L Rane, Prof. R D Kapdi, Prof. P.S.Shinde, Prof. A A Patil, Prof. J.H.Jadhav, Prof. A.S. Kadam, Dr. J.B. Jagdale, Dr. Emmanuel M.
- Mr. B.S.Jadhav, Mr. R.Rao, Mr. S.R. Shelar, Mr. M.S. Shegokar, Prof. N.V.Buradkar, Prof. T.A.Rane, Prof. M.R.Khodaskar, Prof. J.K.Kanble, Prof. H.J.Jadhve, Prof. S.S.Shinde, Prof. G.S.Pise,
- Prof. A.C.Karve, Prof. V.R.Jaiswal, Prof. S.R.Warhade, Prof. R.B.Murumkar, Dr. A.A.Kadam

FF

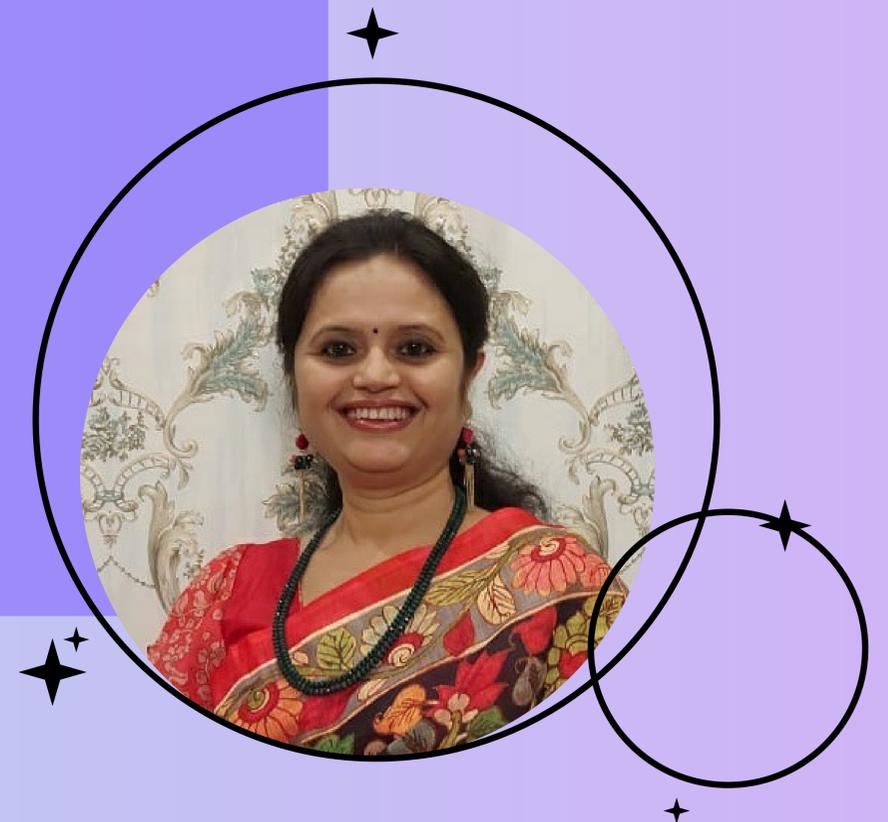
HEAD OF DEPARTMENT, IT

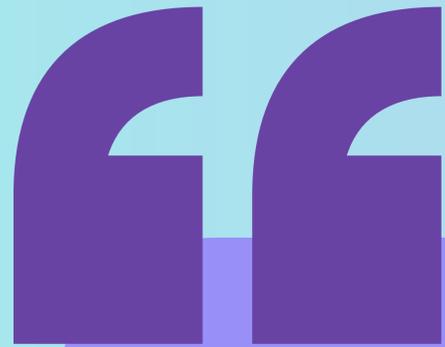
PROUDLY PRESENTING THE NEWSLETTER 2023-24, II ISSUE FOR THE DEPARTMENT OF INFORMATION TECHNOLOGY. AS THE HEAD OF THE IT DEPARTMENT, I AM HONORED TO LEAD A TEAM OF DEDICATED AND WELL-QUALIFIED FACULTY MEMBERS WHO CONSISTENTLY DEMONSTRATE EXCEPTIONAL KNOWLEDGE AND EXPERTISE IN THEIR RESPECTIVE FIELDS.

AT THE CORE OF OUR EFFORTS IS THE DESIRE TO IGNITE YOUNG MINDS, ENCOURAGING THEM TO GENERATE INNOVATIVE IDEAS FOR PROJECTS AND RESEARCH. THE IT DEPARTMENT AT OUR INSTITUTE STRONGLY BELIEVES IN THE TRANSFORMATIVE POWER OF EDUCATION, AND WE ARE DEDICATED TO PROVIDING AN ENVIRONMENT THAT FOSTERS CREATIVITY, CRITICAL THINKING, AND TECHNOLOGICAL PROFICIENCY.

AS WE CONTINUE TO EVOLVE AND ADAPT TO THE DYNAMIC LANDSCAPE OF TECHNOLOGY AND EDUCATION, I AM CONFIDENT THAT THE IT DEPARTMENT WILL REMAIN A BEACON OF EXCELLENCE. I EXTEND MY GRATITUDE TO THE ENTIRE IT DEPARTMENT COMMUNITY FOR THEIR UNWAVERING COMMITMENT AND HARD WORK.

-DR. ARCHANA GHOTKAR



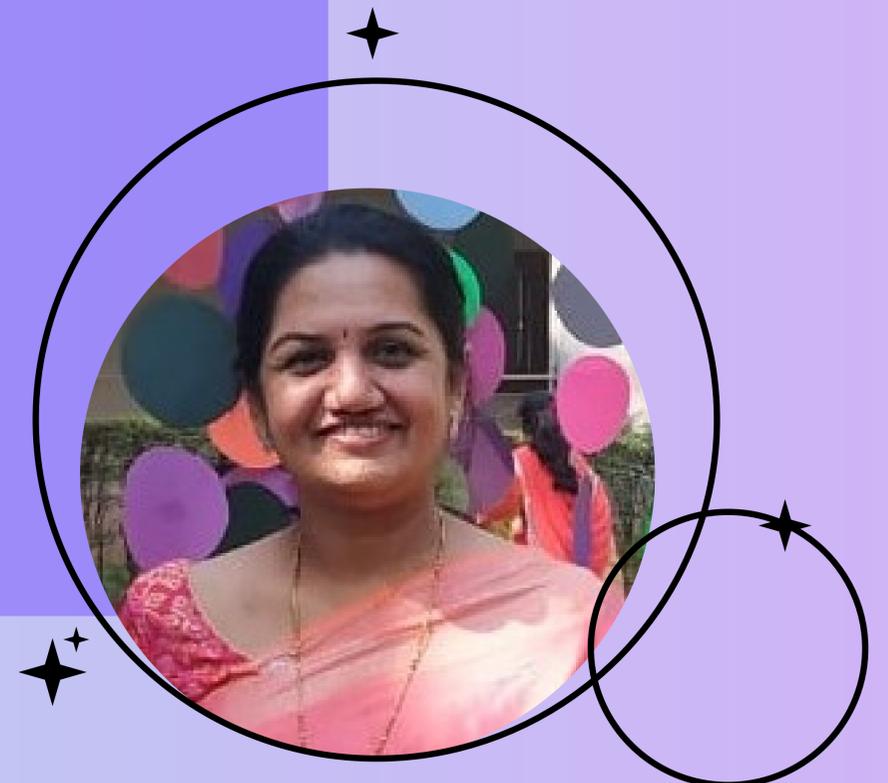


NEWSLETTER INCHARGE

AS THE NEWSLETTER INCHARGE OF THIS VIBRANT COMMUNITY, I AM THRILLED TO PRESENT A COMPILATION OF THE ACHIEVEMENTS, ENDEAVORS, AND CREATIVE EXPRESSIONS THAT DEFINE THE SPIRIT OF OUR DEPARTMENT. THIS MAGAZINE IS A REFLECTION OF THE COLLECTIVE EFFORTS AND TALENTS OF OUR STUDENTS AND FACULTY. IT IS A TESTAMENT TO THE DYNAMIC AND INNOVATIVE ENVIRONMENT THAT CHARACTERIZES OUR DEPARTMENT, WHERE IDEAS FLOURISH, AND LEARNING EXTENDS BEYOND THE BOUNDARIES OF THE CLASSROOM. THERE ARE STORIES OF SUCCESS, ACADEMIC ACCOMPLISHMENTS, AND THE DIVERSE RANGE OF ACTIVITIES THAT MAKE OUR DEPARTMENT UNIQUE.

I WOULD LIKE TO EXPRESS MY SINCERE THANKS TO OUR HEAD OF DEPARTMENT DR. A. S. GHOTKAR, FOR HER CONTINUOUS MOTIVATION, INPUT, AND SUPPORT FOR THIS NEWSLETTER ALSO I WOULD LIKE TO THANK PROF. ARCHANA KADAM AND PROF. AMRUTA PATIL FOR THE CONTENT FOR THE MAGAZINE. AND MY TEAM OF STUDENTS, SARVADNYAA AND NISHANT, FOR TIMELY DELIVERY OF THE NEWSLETTER.

-DR. JAYASHREE JAGDALE



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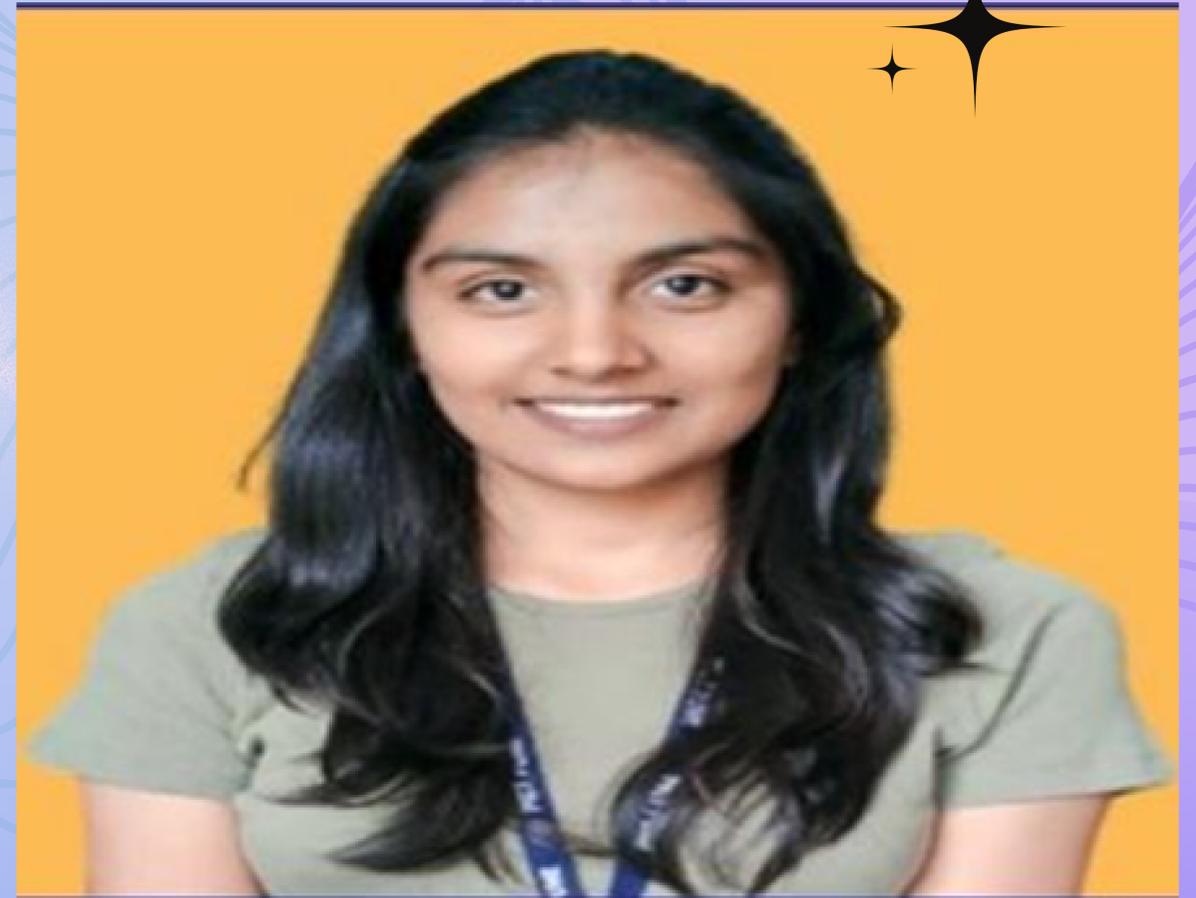




Congratulations

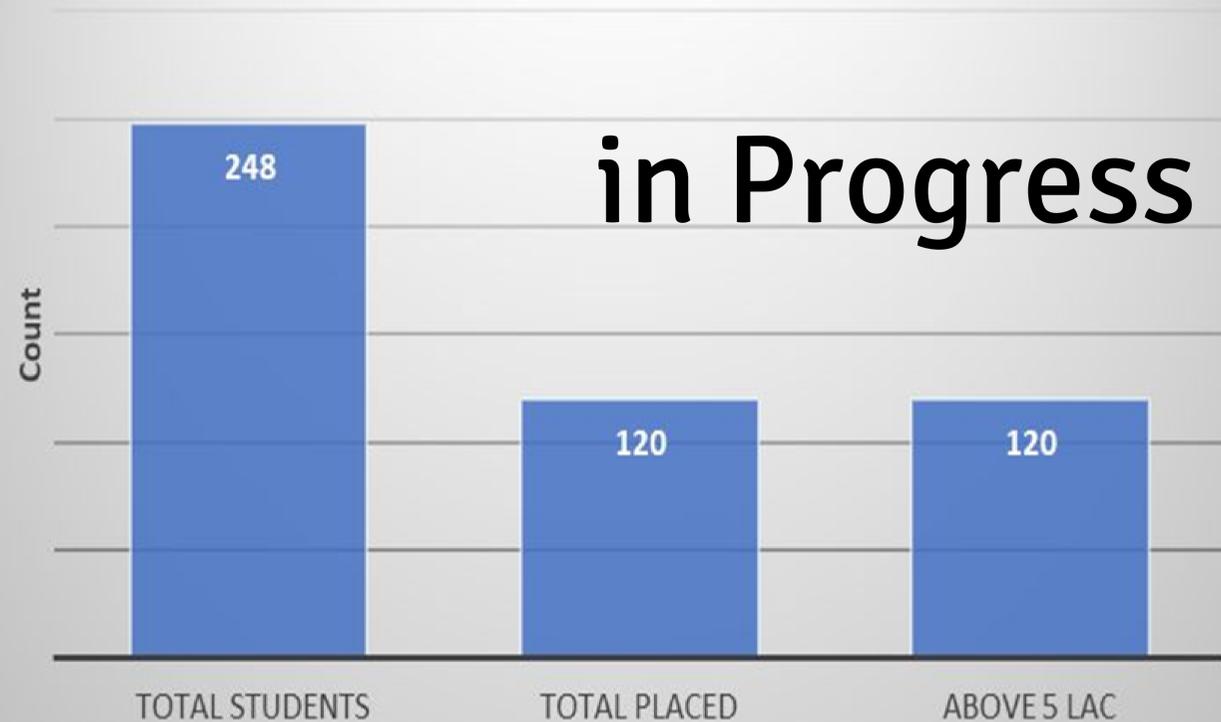
Highest Package

47 Lacs



Shraddha Pawar
(Adobe)

Placement Statistics AY 2023-24



Congratulations



Comapny	No. of students	Package in Lacs
Adobe	1	47
PhonePe	2	33
BNY Mellon	2	21.64
Druva	2	20.1
Schlumberger	2	19.73
Deutsche Bank	3	19.63
BMC	4	14
ION	4	14
Tracelink	1	13.9
eQ Technologic	3	13.88
Barclays	19	13.7



2023-24 **60.08%** Ongoing

Program	Total Students	Above 5 Lac	Below 5 Lac	Total Placed
UG	248	144	5	149

2022-23 **85.36%**

Program	Total Students	Above 5 Lac	Below 5 Lac	Total Placed
UG	246	205	5	210

2021-22 **89.85%**

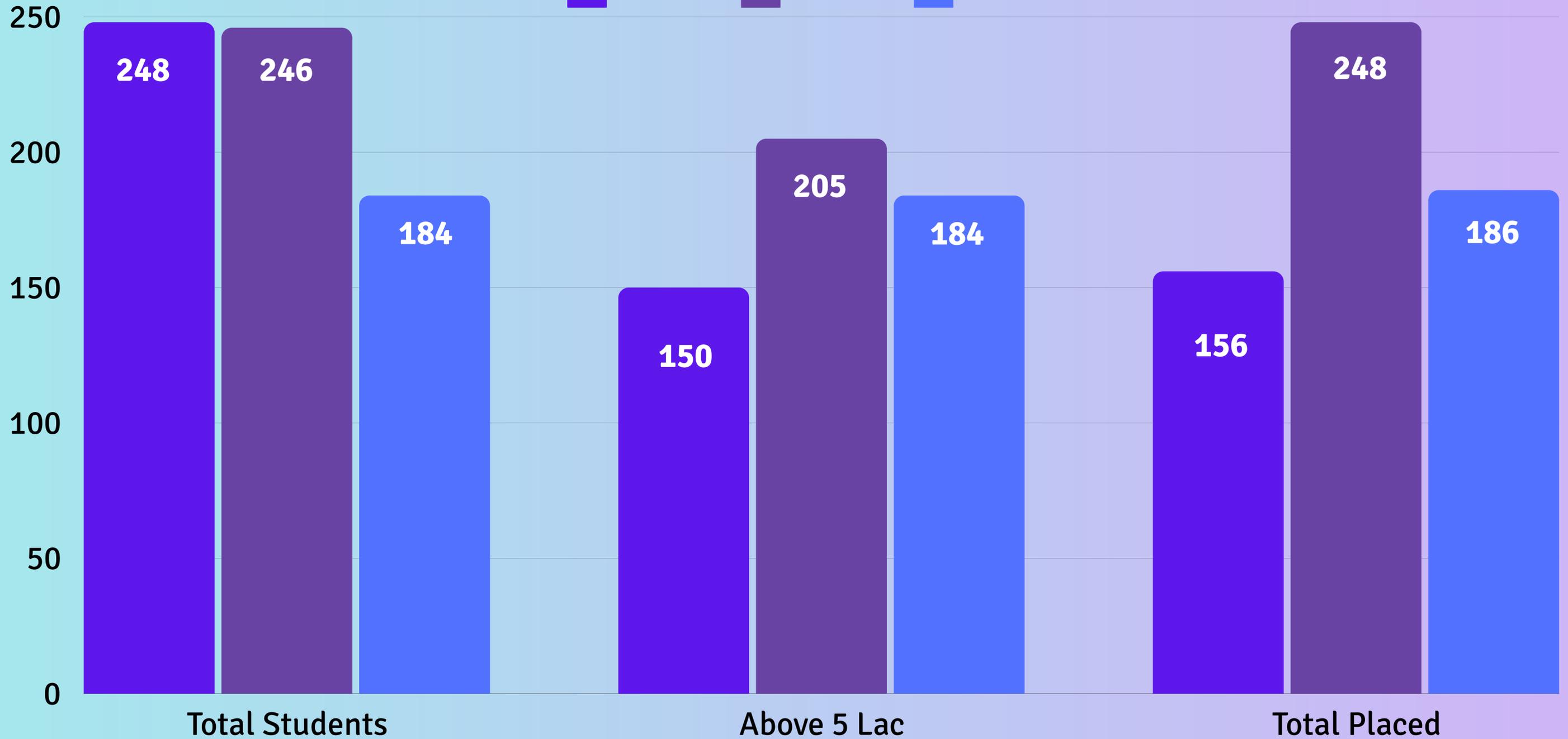
Program	Total Students	Above 5 Lac	Below 5 Lac	Total Placed
UG	207	184	2	182



PLACEMENTS

Average Package : 13.47 LPA

2023-24 2022-23 2021-22





Congratulations

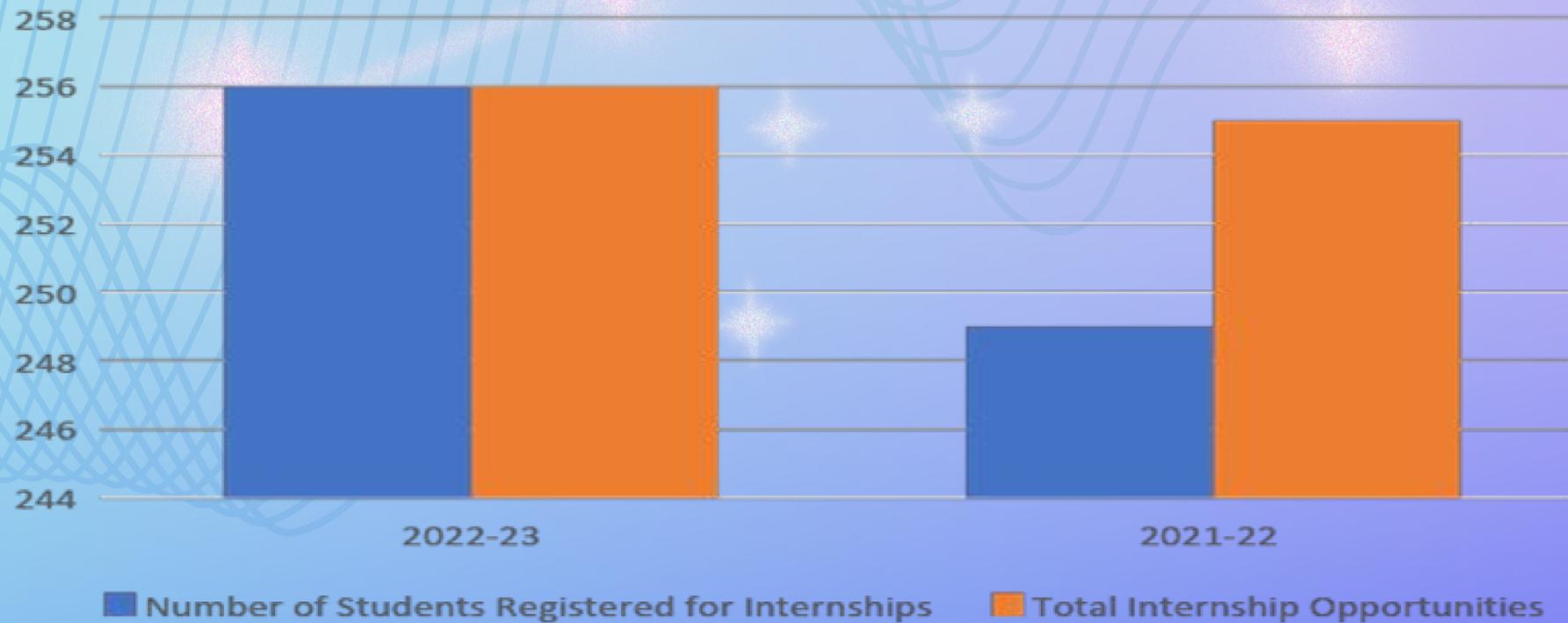
Highest Summer Internship Recieved

75K

Total Internships Offers Received

29*

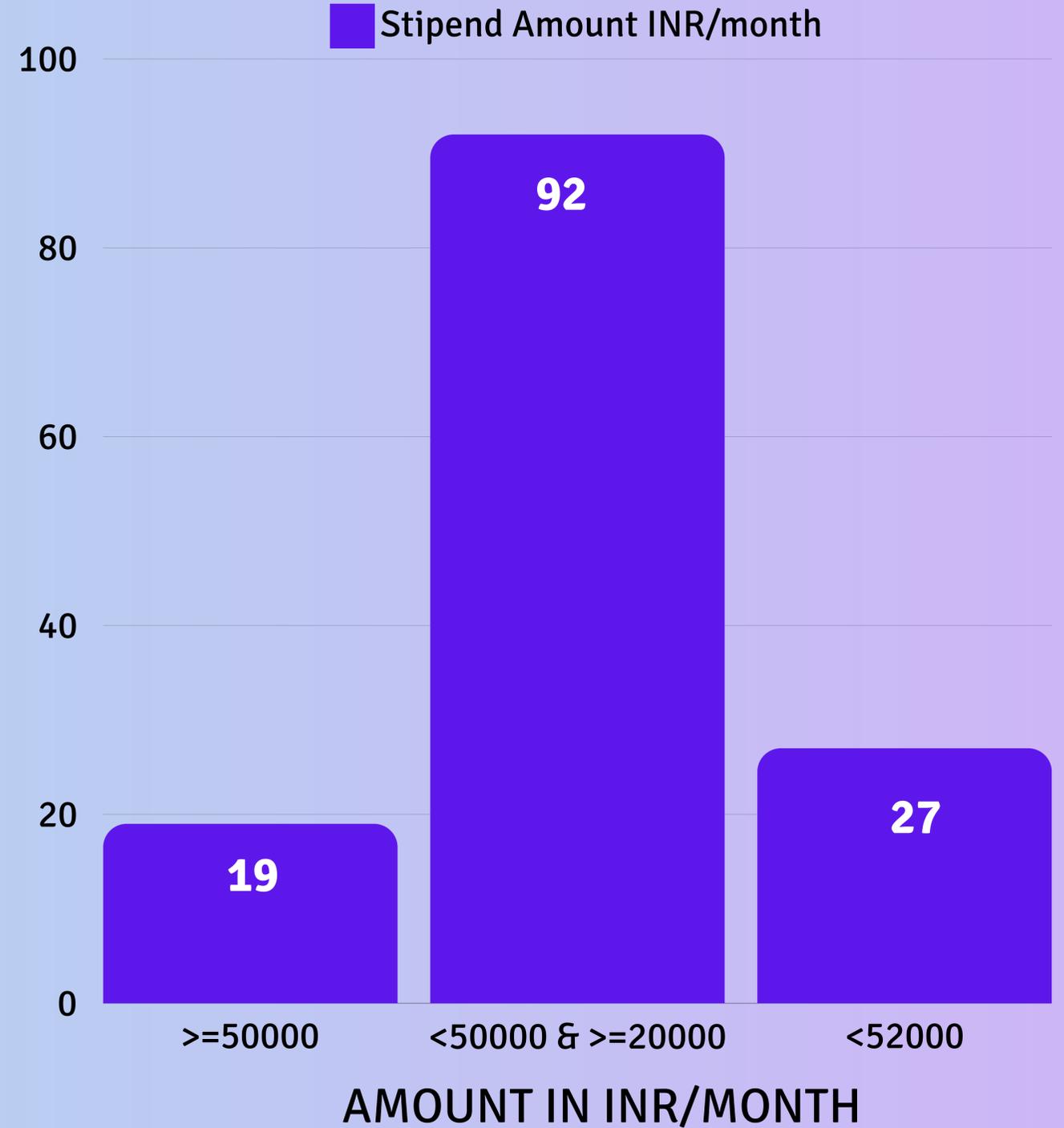
Internship Statistics



* : Ongoing



INTERNSHIPS 2022-23



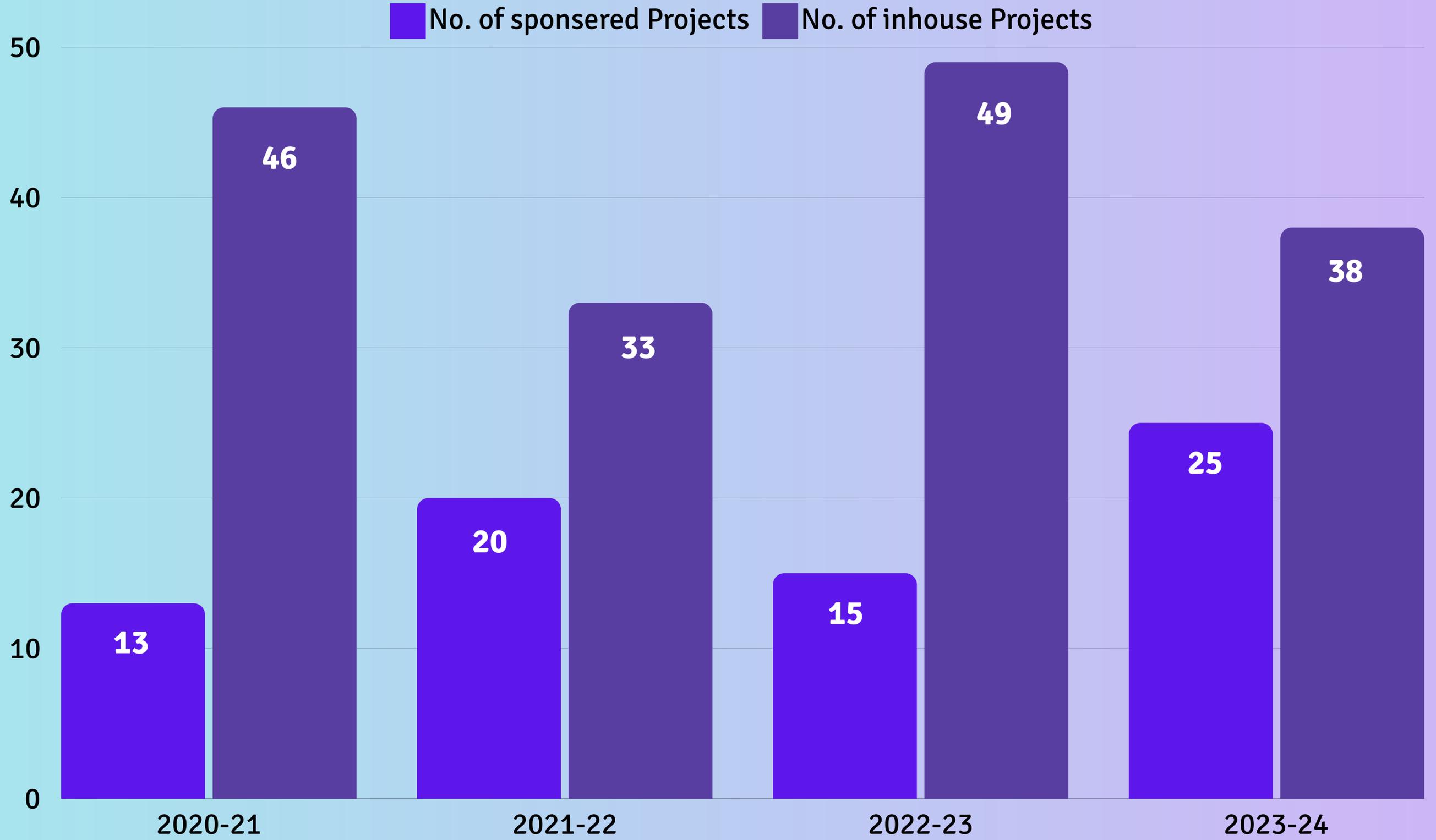


Congratulations

Sr No.	Comapny	No. of students	Stipend
1	Bajaj Byte Spark	5	20,000
2	Barclays	6	75,000
3	BMC	9	8,000
4	MasterCard	4	40,000
5	Metro-GSC	3	10,000
6	Tracelink	2	35,000

PROJECT DEVELOPEMNT

HOME

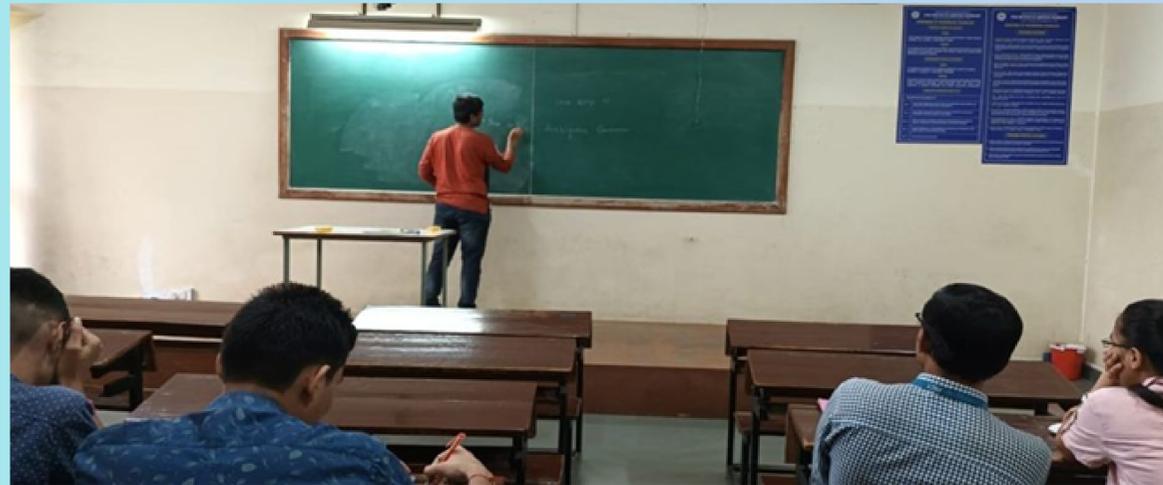


ONGOING

Company	Groups
JyoSH AI Solutions Pvt Ltd	3
Huf	2
Algo analytics Pvt Ltd	1
Veritas	8
Rajiv Gandhi Sci. & Tech. Commission, Govt. of Maharashtra	1
University of Washington	1
SnowDesign	1
Carrot	1
Innothoughts	1
Shunya.Ek	1
Web3Sheild	1
Zepsys	2

Company	Groups
Databahn	1
L3Cube	1

FLIPPED CLASSROOM



Total Registration till Date : 30

**PAPERLESS DAY ACTIVITY:
INNOVATIVE TEACHING: FLIPPED
CLASSROOM**

OBJECTIVE:

Students should learn the topics through innovative teaching.

•Steps to conduct flipped classroom activity

Assigned the topic to students for preparation

1. Related topics were already taught to students in previous lectures, so students took active participation in the activity.

2. Students referred You Tube videos for preparation & prepared within 20 min approximately.

3. 2 to 3 students come forward for explanation and solved the examples related to topic on the black board.

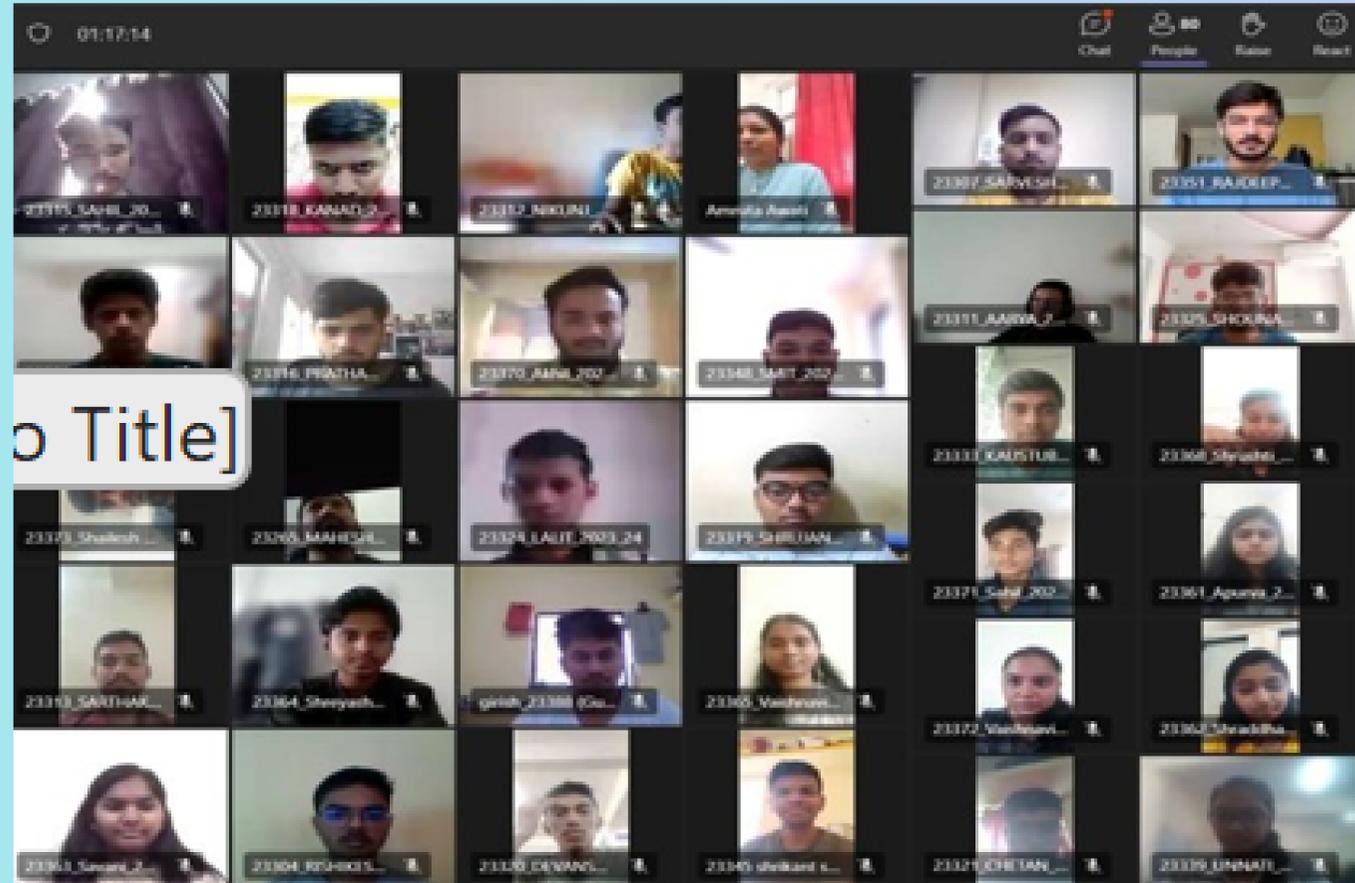
**13th September 2023
for TE 11 IT students**

Venue:A3-308

Co-ordinator:

Mrs. Deepali Salapurkar

INNOVATIVE TEACHING LEARNING



OBJECTIVE :

- To help students to get familiar with the Hackerrank platform and its features.
- Students will learn the importance of time management during coding competitions.
- To promote healthy competition and peer learning among the students.
- To encourage students to participate in coding contests and competitions.
- To equip students with skills and knowledge that will be valuable in their internship and placement opportunities.

**4 November 2023
for SE 11 IT students**

JAVA CODING COMPETITION

**Co-ordinator:
Mrs. Amruta Patil**

TECHNICAL DUMB CHARADES



Total Registration till Date : 67

**INNOVATIVE TEACHING LEARNING
MACHINE LEARNING**



**13th Sept 2023
for TE IT students
Co-ordinator:
Dr. Archana Ghotkar**

PROFESSIONAL DEVELOPMENT ACTIVITIES

OBJECTIVE :

Creative Thinking, Understanding User Requirements, Team Work, Applying HCI Principles, Time Management

HOME



**PROTOTYPE DESIGN EXHIBITION CUM
COMPETITION FOR WALLET/PURSE**



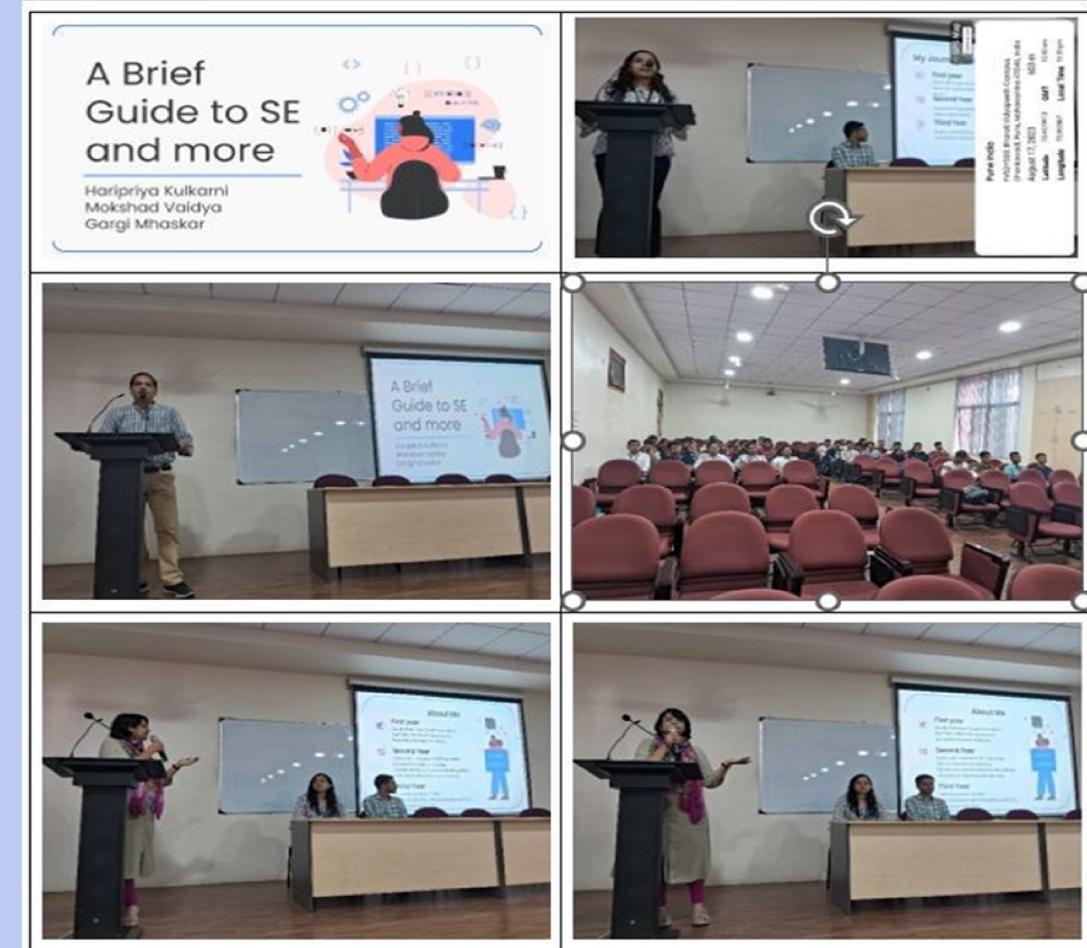
**PROTOTYPE DESIGN EXHIBITION CUM
COMPETITION FOR STATIONARY
ITEMS STORAGE BOX**

A view Sharing Session on Journey to Fetch Top Job Opportunities For SE Students

- Inspire and motivate through success stories.
- Provide insights into how to fetch the top job opportunities
- Share interview experiences and skill development insights.
- Address concerns, network, and offer industry guidance.

27 August, 2023

No. of Participants: 80+



Resource Persons:

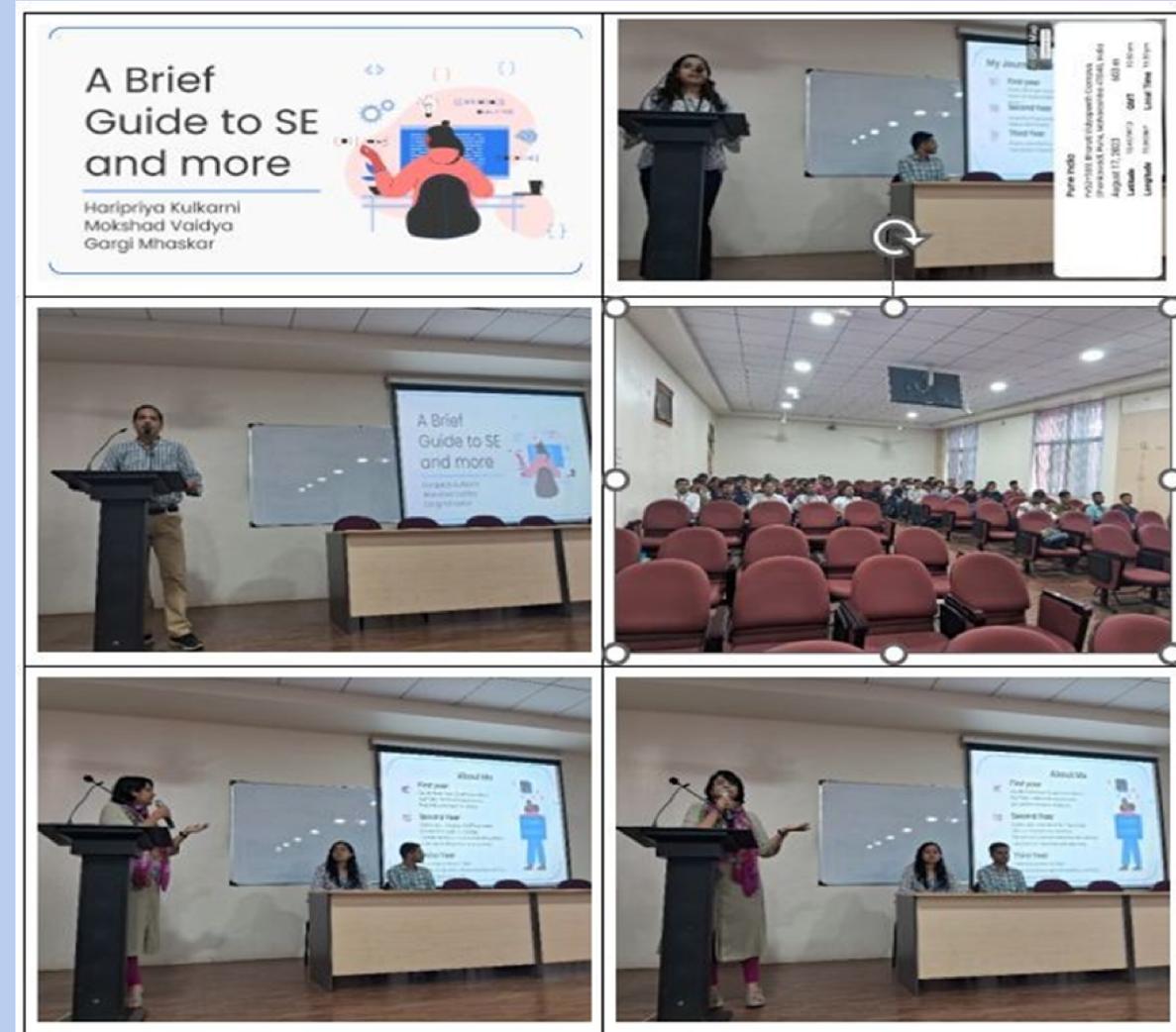
Gargi Mhaskar, Mastercard
Haripriya Kulkarni, TIAA
Mokshad Vaidya, Tracelink

A view Sharing Session on Journey to Fetch Top Job Opportunities For TE Students

- Align career aspirations through an interactive offline session
- Develop personliazed career paths via self-assessment and analysis
- Share insights from successful student's job acquisition journeys.
- Provide techniques for juggling placement prep and studies effectively
- Explore placed students' insights on coding, problem-solving, and voding significance.

4 August, 2023

No. of Participants: 180+



Resource Persons:

Mr. Darshan Bhandari
Mr. Aditya Agrawal
Mr. Jamshed Damania

Teach success story: Empowering women from campus to career For Female students

- To focus on skill development, providing practical insights and guidance to help female IT students.
- To share interview experiences and skill development insights.
- To offer valuable career exploration and guidance
- Inspire and motivate through success stories.

12 September , 2023

No. of Participants: 76



Resource Persons:

Miss. Shraddha Uchit Pawar,
BE Students having PPO offer of 47 LPA from
Adobe, BE(IT), PICT,Pune

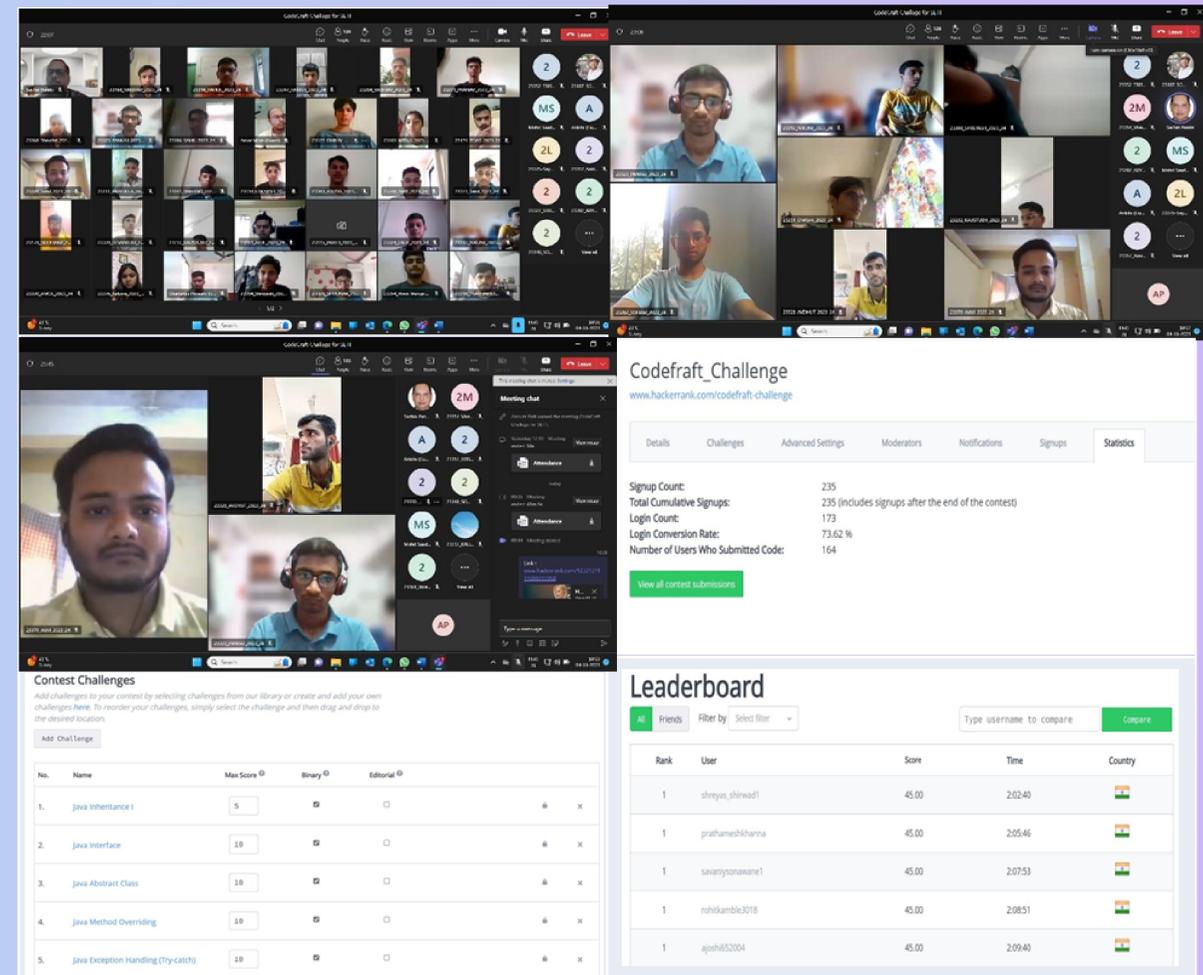
CodeCraft Challenges: A Coding Competition

For SE Students

- To help students to get familiar with the HackerRank platform and its features.
- To provide guidance and tips for effectively tackling coding challenges
- and competitive programming questions.
- To promote healthy competition and peer learning among our students.
- To encourage students to participate in coding contests and competitions.
- To equip students with skills and knowledge that will be valuable in their internship and placement opportunities.

4 November , 2023

No. of Participants: 232



Platform: Hackerrank

GUIDANCE SESSION



OBJECTIVE :

- Understanding GRE and IELTS :
- Deconstructing the GRE : Explore the Structure and Components of the GRE exam.
- Deciphering IELTS and TOEFL : Key Aspects and Test Structure of IELTS and TOEFL.

17 October 2023

**Speaker:
Mr. Ayush Gala
PICT CE, 2024**

GEAR UP TO STUDY ABROAD

Let's Upgrade For Placements For TE Students

- Learn how to build a resume for specific job or internship requirements.
- Develop leadership skills and the ability to work effectively in diverse groups.
- Practice effective participation and moderation in group discussions.
- Learn how to prepare for different types of interviews (e.g., technical, behavioural).
- Develop the ability to adapt communication style to different audiences.
- Learn techniques for structuring and delivering effective presentations.



Speaker :
Mr. Chirag Shah

**Leadership & Business Coach, Pan-India
Corporate Trainer, Motivational Speaker,
Mentor, Consultant**

Let's Upgrade For Placements



18, 19, and 20 October, 2023

No. of Participants: 255+

Co-ordinators :

Mr. Hrushikesh Joshi
Mrs. Amruta Patil
Mrs. Snehalata Rane



THE ETHICAL RAMIFICATIONS OF MODERN IMPLANT TECHNOLOGY

- MEGA NADAR, TEIT

Brain Computer-Interface (BCI) is an intriguing yet controversial topic as one of its goals is to directly “wire-up” computer chips to human brains. One such example is the company Neuralink, founded by entrepreneur Elon Musk, which envisions to achieve “a merger with artificial intelligence”. Brain implants interfere with the natural brain-human interaction evidently, the intersection of human brains and machines opens up a complex landscape, one with wide possibilities and serious ethical questions.

The BCI technology isn’t entirely new, as it has been instrumental for patients distressed with neurological disorders. For instance, this technology enables a person suffering from a severe spinal injury, to regain their ability to communicate. Even “deep brain stimulation” (DBS) is regularly used to alleviate severe symptoms like tremor or vigor in patients suffering from Parkinson’s disease when medication is ineffective.

Research in the field of neurotechnology is taking place at a rapid pace. Now BCI can translate neural signals into sentences at speed a of a normal conversation (150 words per minute). The company Neuralink has received a green flag to conduct human clinical studies from the US FDA. Considering the pressing issues, UNESCO had held a global dialogue on the ethics of neurotechnology, in 2023.

Currently research seeks to optimize the long-term stability and biocompatibility of such brain implants to make them viable not only for healthcare but also for enhancing human capabilities. A whole new spectrum of possibilities arises when BCI is used to record and stimulate various regions of the brain to interact with machines with just a thought. However, for this to work in sync with the human brain, in order to improve efficiency and reduce the inevitable side effects of the interference, the idea is to make the electrical stimulations dependent on the actual brain activity. The latter is recorded online, thus making real time communication possible not only with machines but eventually with other brains too. This closes the loop.

Stimulation amends activity, activity influences stimulation. So, the neural-chip has to be constantly learning from the brain. The goal is for the system to “know” what the human being would do in a particular situation.

However, isn’t that the problem too? The neural-chip could record, retrieve and manipulate more detailed and voluminous data about what is going on “inside” a person’s mind. If thoughts can be used as data, can data they want, be propped in individual minds too? This leads to concerns regarding the privacy and safety of individuals.

Today businesses revolve around data. IT conglomerates thrive on the data they possess. Neural data- which captures individual’s basic reactions and emotions are in high demand in the consumer market. If office computers, mobile phones and industrial facilities can be “hacked” and taken over by viruses or Trojan – why would this not be possible for a brain computer interface?

Sensitive information can be extracted to blackmail persons in power, groundbreaking ideas could be stolen from thoughts itself! If hacked, what physical and psychological damage could the user face? Another major concern is the malfunction of the neural chip. Is healthcare upgraded enough to handle this? Could inserting such computer chips in the brains of children and teenagers, interrupt the “normal” maturation of the brain?

If a negative action were to be carried out by a human while using the BCI, like a car accident automated by the neural-chip, would it be the user’s fault or the fault of technology? Is our judicial system even remotely equipped to deal with such situations? As evolvment in implant technology is majorly taking place in the US and Europe, ushering the creation of “super-human”. Wouldn’t this widen the gap between countries and increase inequalities pushing for a “super-human” rat race?

As we advance towards a future where the “human” and the “machine” will closely interface, clear policies become imperative as our guardrails of safety. In our attempt, we should make ourselves aware of the notions of “person” and “personal identity”, which are the most relevant criteria for the ethical evaluation of intervening technology. The future will show if we eventually become cyborgs and look back on this very point as the deciding junction. But the discussion on whether we need to get technological devices “plugged” in our brains and at what cost, must begin today.

THE RISING TREND: WHY OPEN SOURCE PROJECTS ARE EMBRACING NEXTJS 2 -TANISH CHARTHANKAR , SE IT

An open-source project is one whose codebase is publicly available, such as Linux, React, and various other software solutions. For a considerable time, many web-related projects utilized the MERN stack, consisting of MongoDB, Express, ReactJS, and NodeJS. However, over the past two years, there has been a notable shift towards adopting NextJS, a framework introduced by Vercel, a renowned hosting services company.

NextJS, built on top of ReactJS, has emerged as a game-changer in web development by addressing several existing challenges. Its rapid adoption can be attributed to unique features like tackling the waterfall issue and providing server-side rendering capabilities.

To understand the impact of NextJS, let's consider a large codebase for a significant website. In the past, users often experienced screen flashes, resulting in delayed loading times for components such as the app bar. This issue, known as the waterfall effect, has been efficiently mitigated by NextJS, ensuring minimal screen flashes, if any.

One pivotal feature of NextJS is its server-side rendering capability. Regardless of the framework used, a server ultimately delivers HTML, CSS, and JavaScript understood by the browser. With NextJS, when a client requests a particular webpage, the framework renders the necessary content on its server, including images. The HTML, CSS, and JavaScript for the image are then included in the response, eliminating the need for the client machine to render it. This approach significantly reduces the waterfall effect, enhancing overall performance.

Another noteworthy aspect of NextJS is its SEO optimization power. SEO, or search engine optimization, determines how websites are ranked on search engines like Google. NextJS, by rendering content on its server, allows search engines to

The Rising Trend: Why Open Source Projects are Embracing NextJS 1 automatically rank websites based on keywords present in the HTML returned from the NextJS server. This capability enhances SEO and aids in efficient scraping through websites.

NextJS also simplifies development by enabling the integration of both backend and frontend code within a single application. In the past, the backend and frontend were treated as separate entities, lacking a common structure. NextJS bridges this gap, providing developers with a unified platform.

Additionally, NextJS supports TypeScript and includes TailwindCSS by default, offering added convenience for developers. Being a React framework for the web, NextJS builds upon React's features, introducing enhancements such as server-side rendering.

Considering that NextJS runs the backend on its server, developers can deploy NextJS applications with their backend for free on the NextJS server for low-scale usage.

In conclusion, the rapid adoption of NextJS by open-source projects can be attributed to its ability to address common issues in web development, such as the waterfall effect, server-side rendering, SEO optimization, and the integration of backend and frontend code. With its user-friendly features, NextJS is proving to be a valuable asset for developers seeking efficient and streamlined solutions in the dynamic landscape of web development.



DETERMINING OPTIMAL NUMBER OF EPOCHS IN MACHINE LEARNING

-SOHAM YEDGAONKAR
SE IT

Machine learning a field of study associated with statistical data ,imitating the way that humans learn which gradually increases the accuracy in predicted missing data [result] . Machine learning models are trained with specific datasets passed through the algorithm.

Each time when all the training dataset is passed through a algorithm is known as a epoch. Another way to define an epoch is the number of passes a training dataset takes around an algorithm. Learning algorithms take hundreds or thousands of epochs to minimize the error in the model to the greatest extent possible. The number of epochs may be as low as 10 or high as 1000 and more. A learning curve can be plotted with the data on the number of times and the number of epochs. Each epoch increases the accuracy of the model on training data set. Does this mean that more the number of epochs,higher the model's real accuracy ??

Let's understand it with a example

A farmer is working on his farm with a single crop every season . If he has only experienced less no of seasons then he can make mistakes as he is a newbie in this profession Here comes the situation of under fitting.

Now assume he is working with the same crops now for a decade. Would he be able to work with a new crop ?No Here comes the issue of over fitting.

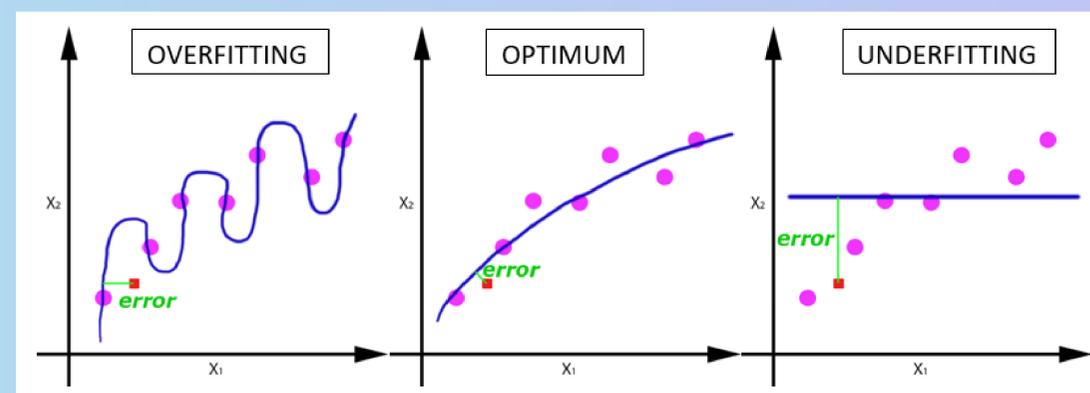
Too low a value causes under fitting, which leads to inaccurate predictions on both training data and test data. Too high a value causes overfitting, which causes accurate predictions on training data, but inaccurate predictions on test data (which is what we care about).

To tackle this problem we need to find Exact no of epochs required Method

Validation error[Errors which arise while working on the validation dataset.]is the main key to this answer as long as the validation errors in the model are decreasing we can go forward with more epochs.So do we need to check the validation errors after each epoch . No This is practically impossible for a large number of epochs.

Here comes the solution: To adjust early stopping rounds which means no of rounds for which the errors are arising in series for stopping the epochs. Here comes the important point : Validation errors might increase for one epoch and decrease in the next so we should assign it's value carefully.

[THIS METHOD IS ALSO USED IN NEURAL NETWORK AND DEEP LEARNING]



Let's Upgrade For Placements For SE Students

- Develop public speaking skills.
- Learn how to build a resume for internships and placements
- Practice effective participation and moderation in group discussions.
- Prepare for technical and behavioural of interviews.
- Develop the ability to adapt communication style to different audiences.
- Learn techniques for structuring and delivering effective presentations.

No. of Participants: 250+



26, 27, and 28 October, 2023

Speaker

Mr. Chirag Shah

**Leadership & Business Coach, Pan-India
Corporate Trainer, Motivational Speaker,
Mentor, Consultant**

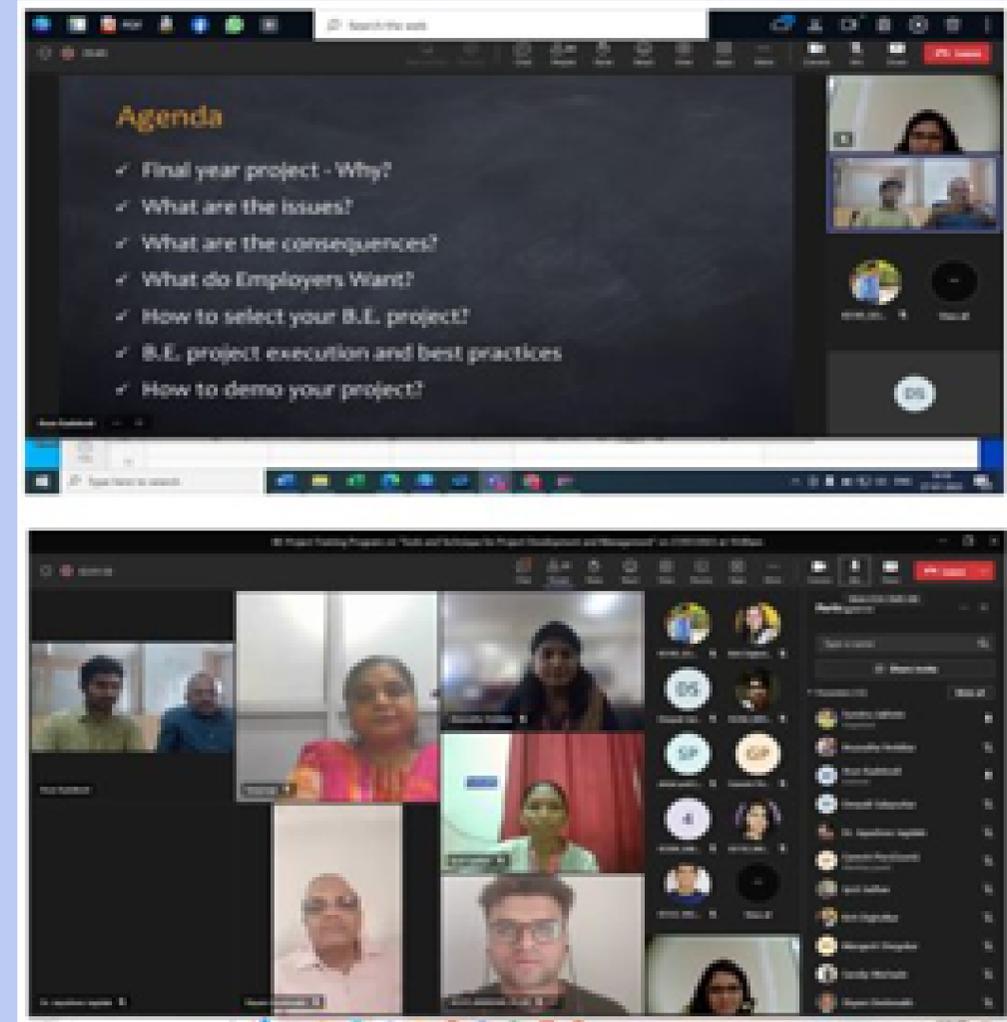
Tools and Techniques for Project Development and Management For BE-IT Students

To get familiar with

- The need and challenges of project development and management
- Process of project Management in industry
- Agile Project Management
- Tools for Project Management and their demonstration

15 September 2023

No. of Participants: 172



Speakers

Mr. Arun Kadekodi
Co-founder and CEO of Soft Corner Pune

Dr. Rohan Kadekodi
Department of Computer Science Uni of Texas at Austin

Effective Research Paper Writing

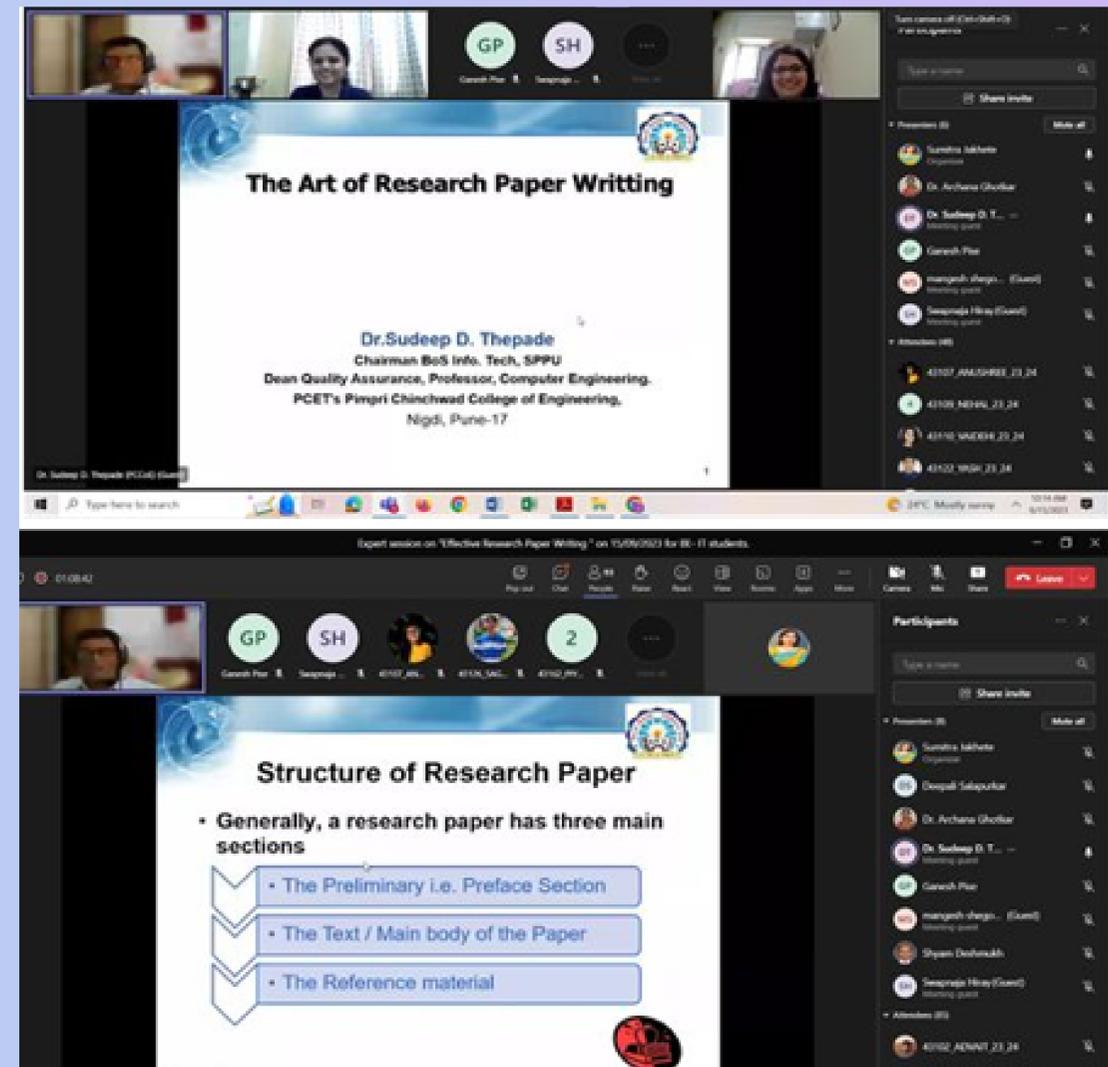
For BE-IT Students

To get familiar with

- Types of Technical Papers, Topic Selection, Structure of Research Paper, Ethics in research paper
- Paper publication, Indexing citations, Different types of papers, Effective techniques for technical writing

15 September 2023

No. of Participants: 120



Speaker

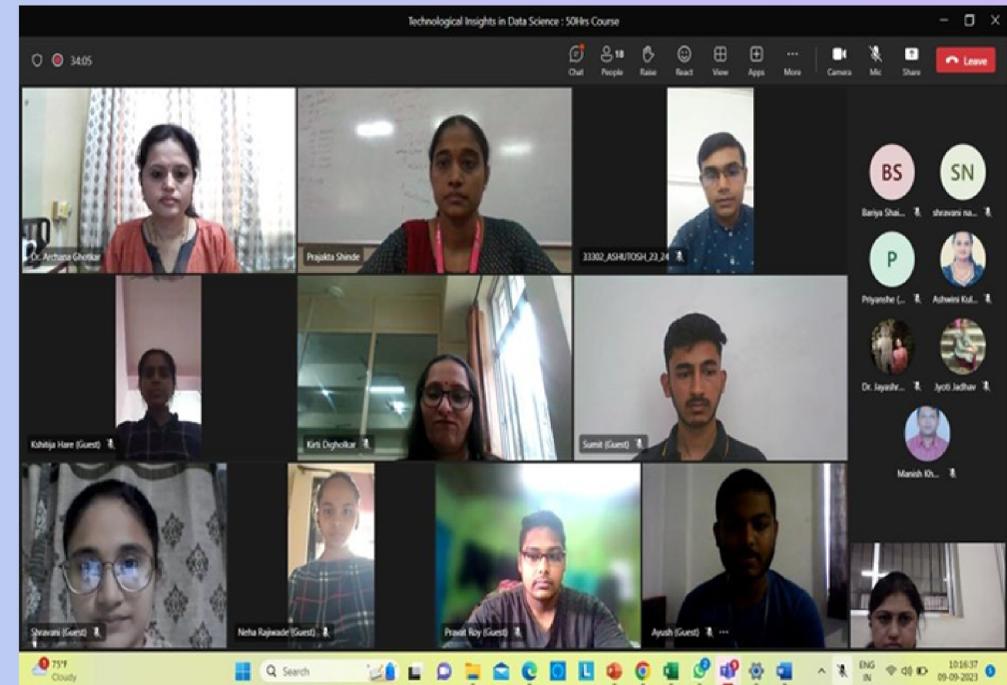
Dr. Sudeep D. Thepade
Chairman BoS, Information Technology, SPPU,
Pune

50 Hours Course on “Technological Insights in Data Science”

- To provide the participant enough exposure to the variety of applications that can be built using ML & DL techniques
- To get exposure to Hadoop & big data analytics

9 September to 14 October 2023

No. of Participants: 26
Out of Maharashtra: 4



Resource Persons:

Mr.Yogesh Murumkar, Director, Bharat soft solutions

Dr. Archana Ghotkar, PICT
Dr. Shweta Dharmadhikari, PICT
Mrs. Kirti Digholkar, PICT
Mrs. Archana Kadam, PICT,
Mrs. Prajakta Shinde, PICT
Ms. Sumitra Jakhete, PICT
Ms. Rachna Karnavat, PICT
Mrs. Swapnaja Hiray, PICT

40 Hours Bridge Course C++ Programming Language

- Start by grasping the fundamental concepts of C++
- Gain a deep understanding of object-oriented programming principles and techniques in C++
- To familiarize with the standard library, memory management and performance Optimization in C++

21 August to 15 September, 2023

From Maharashtra: 75
From PICT: 48



Resource Persons:

Mr. Somnath Jagadale. Senior Software Developer,
Mobileum Technologies, Mumbai
Mr. Amit Borkar, Technology Consultant

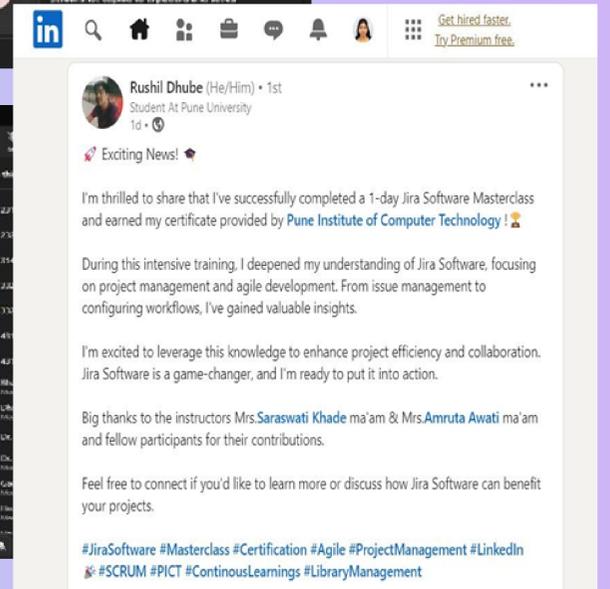
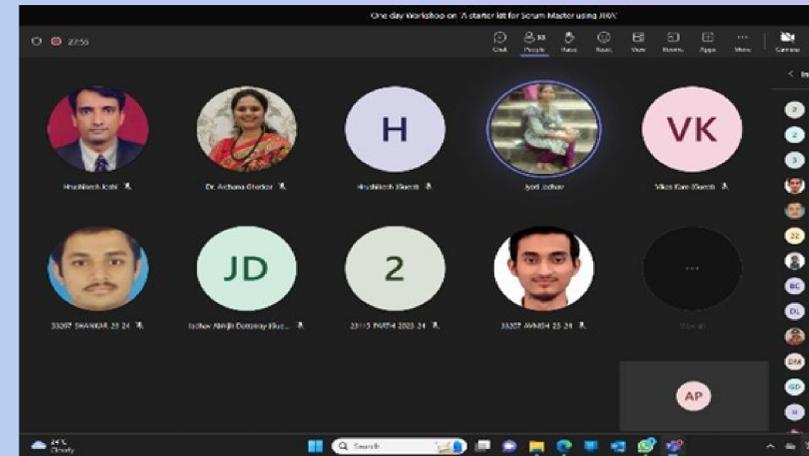
Prof. Tushar Rane, PICT
Prof. Jyoti Jadhav, PICT
Prof. Abhijit Karve, PICT
Prof. Kirti Digholkar, PICT
Prof. Amruta Patil, PICT
Prof. Deepali Salapurkar, PICT
Prof. Archana Kadam, PICT

One Day Workshop on A Starter Kit for Scrum Master using JIRA

- To provide a comprehensive understanding of Agile principles, Scrum methodology and practical JIRA usage
- To enable effective teamwork, problem-solving, and the application of Agile concepts in project
- To provide aspiring Scrum Masters with the knowledge and guidance needed to pursue certification and excel in their roles
- To demonstrate how JIRA can accelerate Agile journey with hands-on

23 September, 2023

Total Registration: 42
Faculties outside PICT: 11



Resource Persons:

Ms. Saraswati Khade, Scrum Master, Amdocs, Pune

Mrs. Amruta Patil, Asst. Professor, PICT, Pune

Awareness session on C-DAC's Basic Certificate Course in AI For TE-IT Students

- To provide a comprehensive understanding of Agile principles, Scrum methodology and practical JIRA usage
- To enable effective teamwork, problem-solving, and the application of Agile concepts in project
- To provide aspiring Scrum Masters with the knowledge and guidance needed to pursue certification and excel in their roles
- To demonstrate how JIRA can accelerate Agile journey with hands-on

14 September 2023

Total Registration: 42
Faculties outside PICT: 11



Resource Persons:

Ms. Saraswati Khade, Scrum Master, Amdocs, Pune

Mrs. Amruta Patil, Asst. Professor, PICT, Pune

CERTIFICATE COURSES

Certification Course, Workshop	Participants	Hours	Dates	Fund Generated in Rs.
Certificate course on "Technological Insights in DataScience"	26	50	9/09/2023to 14/10/2023	Rs.13000/-
Bridge course on- C++Programming Language	75	40	21/08/2023to 15/09/2023	Rs.37500/-
Aone day workshopon "Astarterkit forscrumMasterusing JIRA"	42	6	23/09/2023	Rs.4200/-

RESEARCH AND CONSULTANCY

Name	Project Title	Funding Agency	Sanctioned Amount in Rs.	Status
Dr. Jayashree Jagdale	An e-learning, Recognition and Assessment platform in Indian Sign Language	RGSTC Govt.of Maharashtra	9800000/- (0.98 Cr)	Ongoing

Name	Project Title	Status
Dr. A. M. Bagade	IoT based Physical Movement Monitoring and Early Identification of Dementia based on wandering patterns for the Elderly	Submitted

RESEARCH AND CONSULTANCY

Name	Client Organization	Title of consultancy of project	Amount Received	Duration
Dr. Archana Ghotkar	Sameer Ahirroa Ardent Privacy Ltd	For Privacy system: classification of structured and unstructured data	2,35,000	23-07-2022 to 23-06-2023 (completed)
Mr.Vishal R.Jaiswal Mr.Sandip R. Warhade	Huf India Private Ltd	Gemba Walk Application	3,50,000	01/07/2023 – 31/03/2024

RESEARCH AND CONSULTANCY : MOU

HOME	Name of company	Date of signing	Duration of MoU	SPOC	Objectives	Activities under MoU
	C-DAC Pune and NASSCOM	19-05-2023	2 years	Dr.A. S. Ghotkar/ Dr. S.C.Dharmadhikari	Hub and Spoke model for AR/VR and AI under C-DAC NASSCOM FutureSkill PRIME Program	120 hrs of certification course
	JyoSHAI Soutions pvt.ltd.	08-09-2022	3 years	Mrs. R.A. Karnavat	Sponsored Lab	Internship and BE projects
	NTTData	27-07-2022	1 year	Dr.A.M. Bagade	Internship	Internship at Japan for students
	Mithi Software	07-10-2021	3 years	Mr.M.R.Khodaskar	Internship, placement, support forentrepreneurship	BE-Project

RESEARCH AND CONSULTANCY : MOU

Name of company	Date of signing	Duration of MoU	SPOC	Objectives	Activities under MoU
MasterCard Technology Pvt. Ltd.	17-05-2022	3 years	Dr. A. M. Bagade	CollaborationAnd Research	Sponsored Projects 5G, Consultancy Project under process
Veritas	01-05-2021	2 years	Dr. A. M. Bagade	Projectdevelopment, Consultancy	Sponsored project-10 (Completed)
Algo Analytics	07-04-2021	2 years	Mr.M.R.Khodaskar	Project-Based Seminar (TE- PBS) with Final Year Project for UG students, Internship opportunities and Final Placements for UG/PG students	Sponsored projects- Internships

RESEARCH PUBLICATION

1. Research Papers published in National / International , esteemed Journals / Conferences: 13

2. Patents:

Name	Title of patent	Patents Published	Status of petant
Dr.Shyam Deshmukh	Machine Learning based Health Monitoring WearableDevice	04-07-2023	Published
Dr.Archana S. Ghotkar	Video Conferencing Utility for the Deaf and Dumb	9-07-2023	Published
Dr.EmmanuelM	Recommendation System using context& User actions	31-08-2023	Granted



The objective of this event –

- To provide the platform to the students to get insights into their seminar topic
- To find the possible problem statements for final year project
- To minimize the gap between academia and industry for final year project implementation based on industry



**POSTER PRESENTATION ACTIVITY
SEMINAR TOPICS (ALL TE IT STUDENTS)
DATE:14/10/2023**

DEPARTMENT ACTIVITIES

Poster Presentation Activity Contd.

HOME



GPS Map Camera



Pune, MH, India
Chandrabhaga Nagar Road, Dhankawadi, Pune,
411046, MH, India
Lat 18.458065, Long 73.850893
10/14/2023 02:28 PM GMT+05:30
Note : Captured by GPS Map Camera



GPS Map Camera



Pune, MH, India
Chandrabhaga Nagar Road, Dhankawadi, Pune,
411046, MH, India
Lat 18.458161, Long 73.850888
10/14/2023 11:17 AM GMT+05:30
Note : Captured by GPS Map Camera



GPS Map Camera



Pune, MH, India
Chandrabhaga Nagar Road, Dhankawadi, Pune,
411046, MH, India
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Note : Captured by GPS Map Camera



DEPARTMENT ACTIVITIES

Poster Presentation Activity Contd.

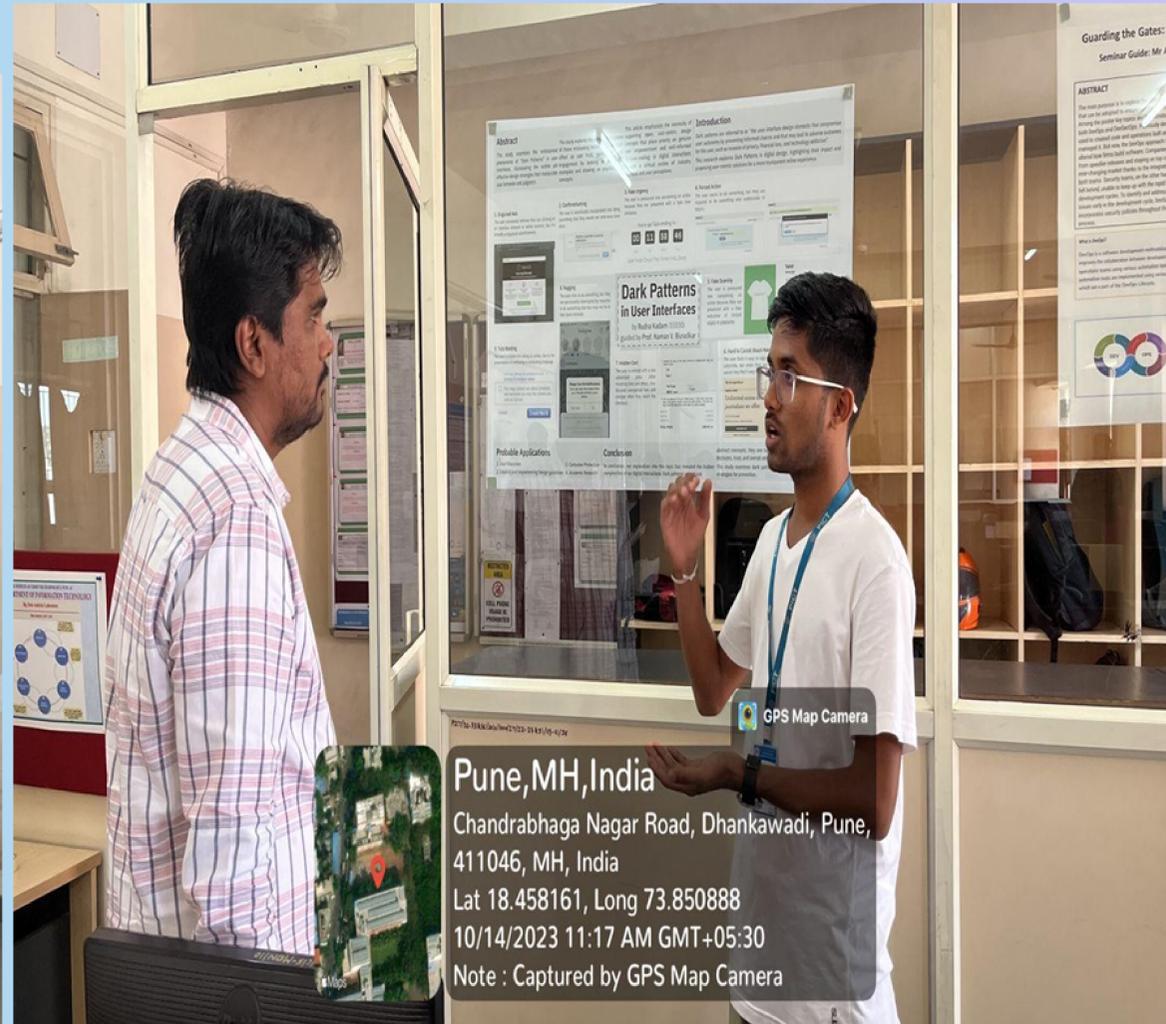
HOME



GPS Map Camera



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DEPARTMENT ACTIVITIES

Poster Presentation Activity Contd.

HOME

Year	Date	No. of participating students	No. of judges
2023-24	14/10/2023	Registrations:104 Selected Posters:30 Presented:22	5
2022-23	29/10/2022	Registrations:23 Posters Presented:09	8
2020-21	22/05/2021	07(53groups)	10

DEPARTMENT ACTIVITIES

Poster Presentation Activity Contd.

HOME



RUDRAKSH KHANDELWAL

1ST PRIZE



AARAV NAIR

2ND PRIZE



NAMAN LABHSETWAR

3RD PRIZE



PARENTS MEET

HOME



Pune Institute of Computer Technology, Pune - 411043
Department of Information Technology

VISION AND MISSION

Institute Vision
PICT aspires to be the leader in higher technical education and research of international repute.

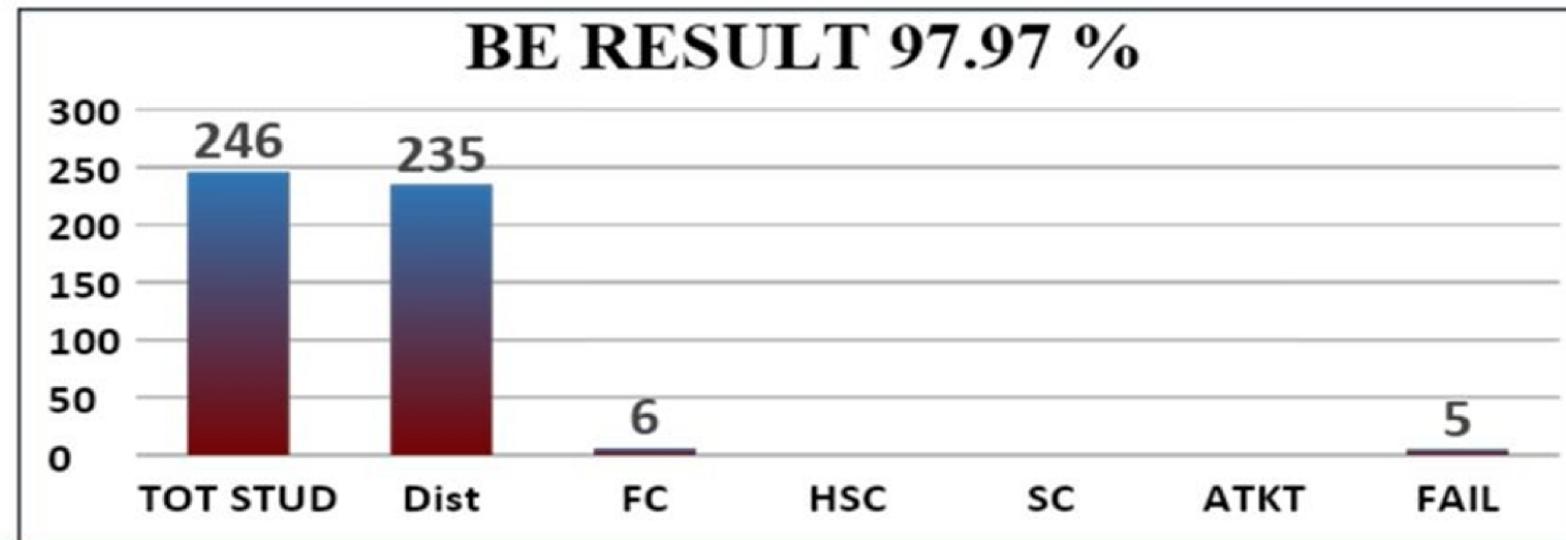
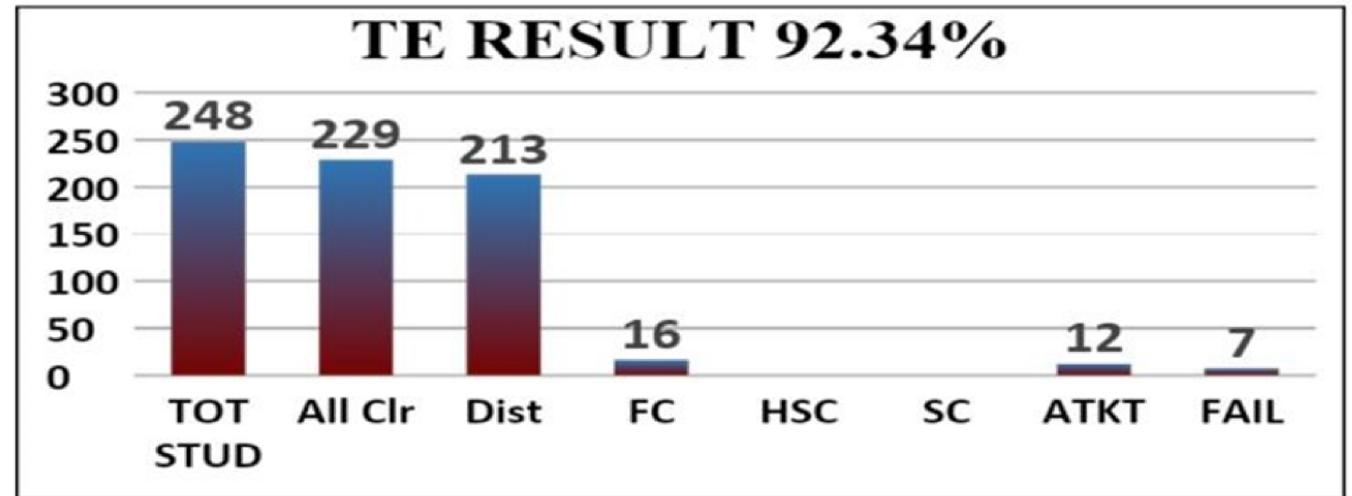
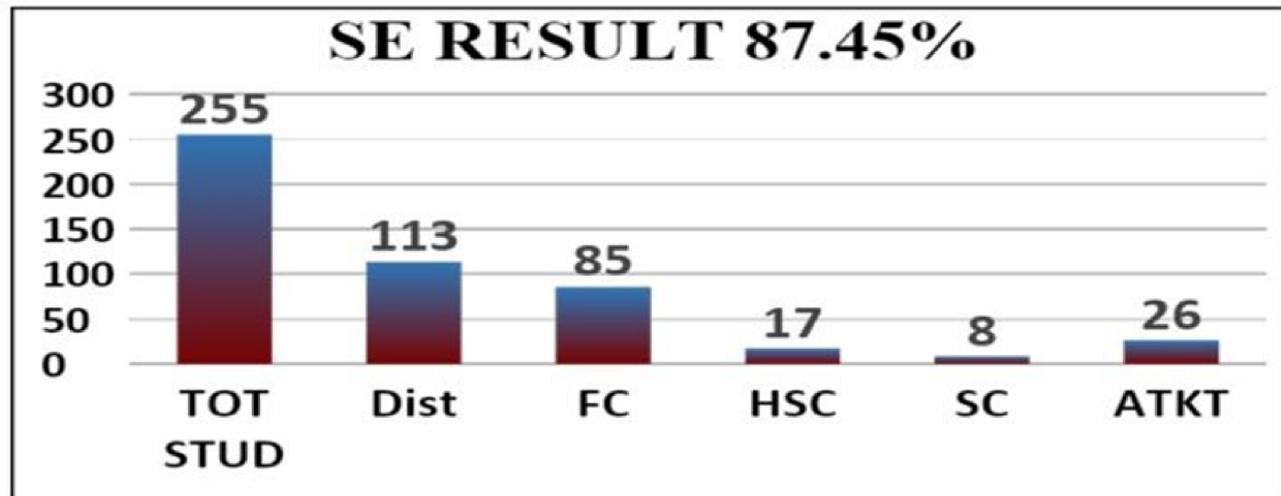
Institute Mission
To be leading and most sought-after Institute of education and research in emerging engineering and technology disciplines that attracts, retains and sustains gifted individuals of significant potential.

Department Vision
The department endeavors to be recognized globally as a centre of academic excellence and research in Information Technology.

Department Mission
To inculcate research culture among students by imparting information technology related fundamental knowledge, recent technological trends and ethics to get recognized as globally acceptable and socially responsible professionals.

DATE: 28TH OCTOBER 2023
MODE: HYBRID

RESULT ANALYSIS



2022-23



FINAL YEAR

- | | |
|------------------|----|
| 1. JAIN SAMYAK | 10 |
| 2. BHAVESH OSWAL | 10 |
| 3. HARISH VERMA | 10 |

4. BAJAJ ANUSHREE SHRIGOPAL
5. DHAVAL YASH YOGESH
6. PATIL KARTIK TUSHAR
7. PENDSE RIYA ABHIJIT
8. RATHI GARIMA SHARADKUMAR
9. SONAWANE PRATIK RAVINDRA
10. SHAHARE TITIKSHA SUNIL

RANK HOLDERS



THIRD YEAR

- 1. BARATE SARVADNYAA 10
- 2. BANASURE ATHARVA 10
- 3. JADHAV SHANTANU 10

- 4. PATIL VISHAL
- 5. KOKATE TANMAY
- 6. THOKAL SAMIR
- 7. SHRAVANI PINGALE
- 8. THORAT SHIVANJALI
- 9. KHANDELWAL RUDRAKSH
- 10. AGRAWAL PURVEE

SECOND YEAR



- 1. KATKAMWAR SAHIL 10
- 2. ADAM ANKITA 10
- 3. LAGAD SAYALI 10

- 4. SHAH MAHI MUKESH
- 5. JADHAV SWIKAR KIRAN
- 6. BOCHARE CHETAN UMESHRAO
- 7. PATIL SEJAL KAILAS
- 8. KHAIRE SHUBHAM ANIL
- 9. MONE SHRUTI MAHESH
- 10. PHATAK SOHAM SACHIN

Congratulations

STAFF ACHIEVEMENTS

Dr. Shweta Dharmadhikari
has been selected as
Member Board of Studies IT,
SPPU, Pune.



Congratulations

STAFF ACHIEVEMENTS

Mrs. Kirti Y. Digholkar

has completed

**IUCEE's International
Engineering Educator
Certification Program
with Distinction.**





Following staff has successfully Completed 2 weeks
“Train the Trainer Program on AI”
under ‘FutureSkills PRIME’ Programme, C-DAC Pune.

- Dr. Archana Ghotkar
- Dr. J. B. Jagdale
- Mr. R.B.Murumkar
- Mrs. P. S. Shinde
- Mrs. S. R.Hiray
- Mrs. A.S. Kadam
- Mrs. D. P. Salpaurkar





Following staff has successfully Completed 2 weeks

“Training the Trainer Program on AR/VR ” by C-DAC Pune.

- Mrs. K. Y. Digholkar
- Mrs. R. A. Karnavat
- Mrs. J. H. Jadhav
- Mrs. A. A. Patil





The following staff attended
3-day UHV-ISelf-Funded offline workshop -
“AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)”

Dr. Archana Ghotkar
Dr. Anant Bagade
Mr. Manish Khodaskar
Dr. Shyam Deshmukh
Mr. Sachin Pande
Ms. Rachna Karnavat
Mr. Vishal Jaiswal
Mr. Ravindra Murumkar
Mr. Sandeep Warhade



Pune, Maharashtra, India
SCTR'S Pune Institute of Computer Technology Near, Trimurti Chowk, Bharati Vidyapeeth Campus, Dhankawadi, Pune, Maharashtra 411043, India
Lat 18.457744°
Long 73.850814°
18/08/23 09:25 AM GMT +04:30

Name	Subject
Mrs.Rachana Karnavat	Deep Learning
Mr.Tushar Rane	Cyber Security and Privacy
Mrs.Deepali Salapurkar	Theory of Computation
Mr.Sandip Wharade	Automation in Manufacturing

PARTICIPATION IN HACKATHON



Winner of COEP's Mindspark 2023

Student Name: Om Nikam

Sponsored by: Tata Power, Tata group

Format: 24 hours offline

Problem statement: EnergyVista Blitz: 16-bit Open-source gamification hackathon Challenge



PARTICIPATION IN HACKATHON



Manasi Lavekar Qualified for finale in All India Women Hackathon





EXCELLENCE IN CULTURAL EVENTS

ICONCLAVE IIIT PUNE 2023

*First Runner UP
(Dance Competition)*

Unnati Rathi (SE IT)

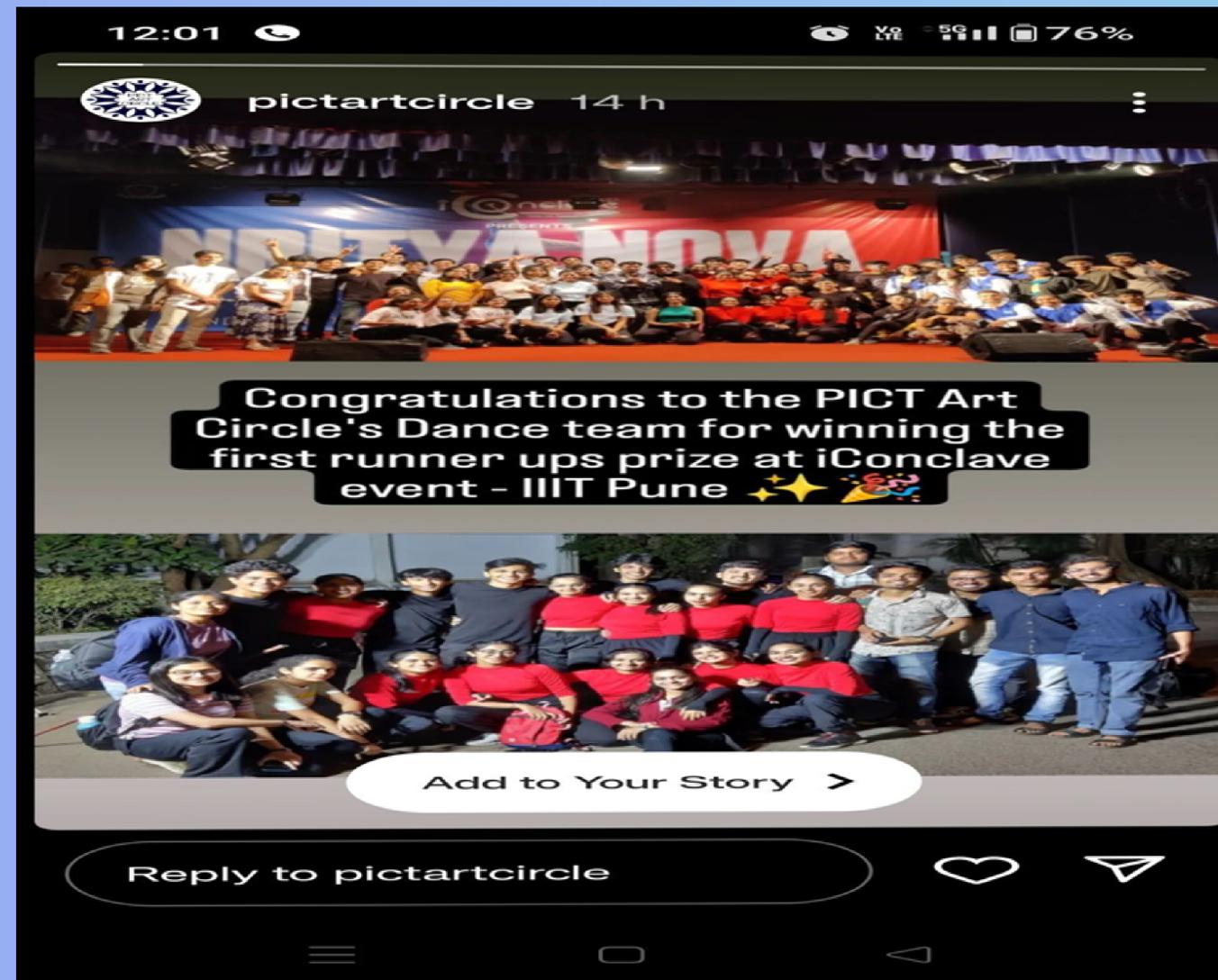
Mira Sharma (SE IT)

Shravani Pingale (TE IT)

Dhanashri Gawai (TE IT)

Vaishnavi Thakur (TE IT)

Shrinesh Kamble (TE IT)



DESIGN AND CONTENT

Sarvadnyaa Barate

Nishant Tanksale

MENTOR

Dr. Jayashree Jagdale



020-24371101 EXT : 400



hodit@pict.edu



Building 'A3', PICT, Pune