TECHNOSITES KITCOEK

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Technosites KITCoEK

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DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

2024

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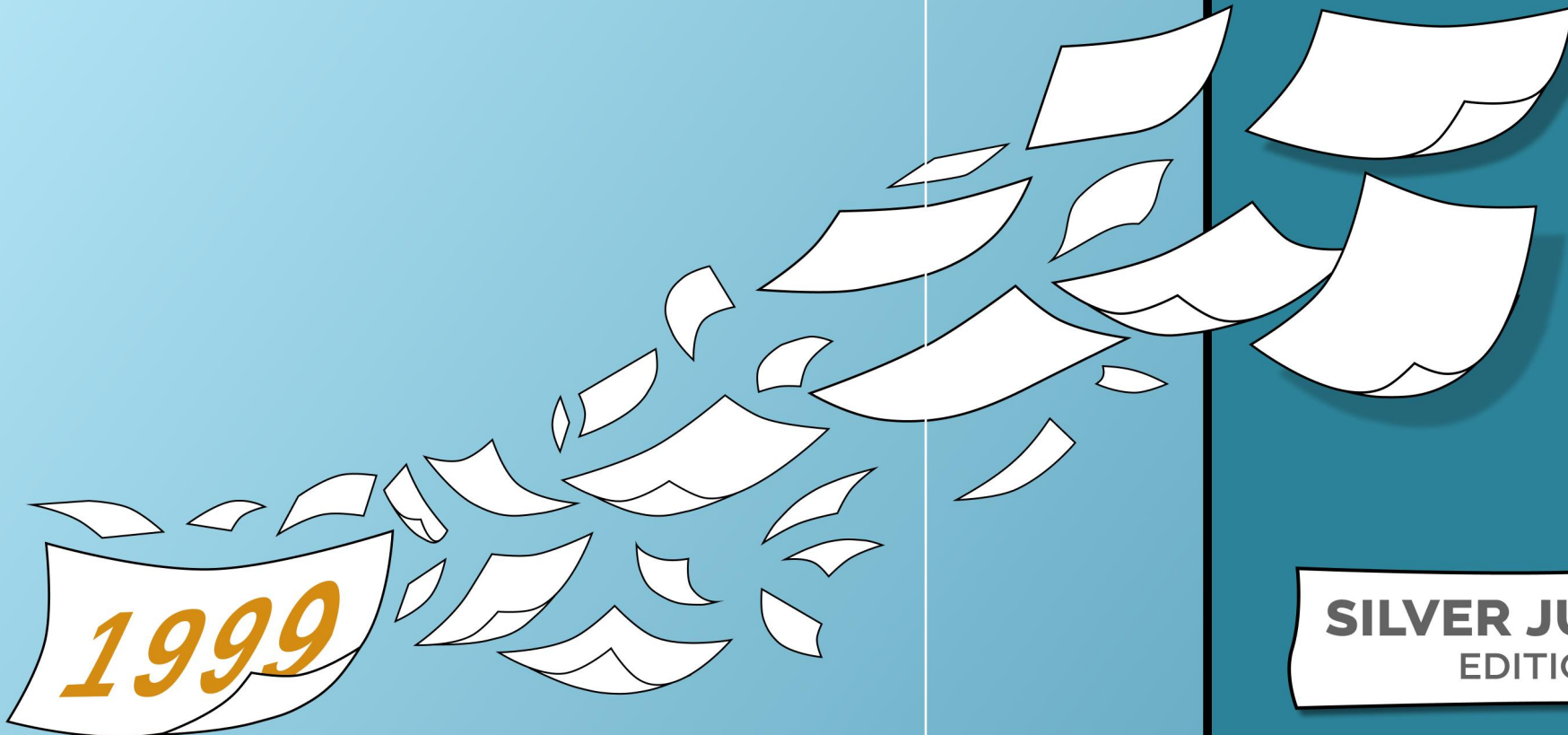
SILVER JUBILEE
EDITION

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Department Mission

To empower students with essential technical comprehension and skills.

To create awareness of societal and ethical needs in the field of Computer Science and Engineering.

To build competency among the students with modern tools and technologies and collaborative research.

Department Vision

To be preferred choice of stakeholders by building core theoretical and practical skills in the students and abreast them to be globally competent with the latest technologies, skills and developments emerging in the field of Computer Science and Engineering.

GLIDING THROUGH TIME: OUR KEY ACHIEVEMENTS

MESSAGE FROM HOD
DR. LINGARAJ A. HADIMANI

What does the latest edition of our department newsletter signify?

As the Head of the Department, I take immense pride in presenting this newsletter, which encapsulates our journey of over 25 years in nurturing future-ready engineers. It reflects our commitment to excellence, innovation, and holistic student development, showcasing our academic programs, research initiatives, and vibrant campus life.

Can you highlight the department's evolution over the past 25 years?

Established in 1999, our department has grown from strength to strength, adapting to the ever-evolving technological landscape. We've introduced specialized programs like B.Tech (Honors) in Artificial Intelligence & Machine Learning and M.Tech in Data Science, aligning our curriculum with industry needs and global trends.

How does the department ensure academic excellence and research prominence?

We maintain academic rigor through a blend of experienced faculty and state-of-the-art infrastructure. Our research initiatives focus on emerging areas like AI, data science, and cybersecurity, fostering an environment that encourages innovation and critical thinking among students.

What role does industry collaboration play in student development?

Industry collaboration is integral to our approach. Through internships, live projects, and guest lectures, students gain practical insights and exposure to real-world challenges, enhancing their employability and readiness for the professional world.

How does the department celebrate its 25 years of existence?

We celebrate this milestone by reflecting on our achievements, acknowledging the contributions of our faculty, students, and alumni, and reaffirming our commitment to excellence. This celebration is a testament to our collective efforts and a stepping stone towards future endeavors.

What message do you have for the KIT community?

I extend my heartfelt gratitude to all who have been part of this journey. As we look ahead, let us continue to collaborate, innovate, and uphold the values that have been the cornerstone of our success. Together, we will continue to shape the future of Computer Science and engineering education

SUCCESS STORIES OF ALUMNA

Name:

Aparna Malikarjun Teli

Batch (Year of Graduation):

2011

Current Company & Designation:

Persistent as a Project Lead

College Experience & Growth:

Starting from first year till last year, we were introduced to actual curriculum of computer science and engineering. Starting from basics CSE , the subjects covered most complex , practical and theoretical knowledge areas. Various coding languages like Java, .net were part of the curriculum which helped us to know our interest areas to make a place in industry confidently. Database concepts, Information security, computer networks, operating systems, data structures these subjects were important.

Technical Resources & Platforms:

There are various YouTube channels which provide free resources. As far as online courses / Certifications are considered platforms like Udemy, Pluersight are great. Also, platforms like LeetCode, GeeksForGeeks provide coding questions which are real challenge for brain and showcasing completion of these sessions is a great value add in resume. Students can try these platforms as well.

Advice for Students:

Hard work and smart attitude is the key! If you are confident about your knowledge and your workspace then sky is the limit. Don't waste your time on focusing many things at a time, instead pick one and get expertise.

STAY CRAZY, STAY HAPPY!!

Name:

Harish Janardan Godbole

Batch (Year of Graduation):

2009

Current Company & Designation:

GSLabs GAVS, Project Lead

College Experience & Growth:

In KIT COEK, my engg journey was all about Computer Science subjects, theory sessions, practicals and projects. I am happy to learn basic engg in first and Computer Science engg subsequently from our college. Understanding concepts and performing hands-on led to gaining technical expertise with confidence and further automatically to self-development. Interactions with our lecturers/professors led us to channelizing our energy in right direction and getting fruitful results in terms of growth and satisfaction.

Technical Resources & Platforms:

Below platforms/certifications will help you for increasing your knowledge :
1. Engineering books
2. Classroom lectures
3. Hands-on and variations
4. Udemy, geeksforgeeks, coursera
5. Leetcode, HackerRank for problem solving
6. Basic certifications on Cloud computing, Artificial Intelligence

CS Concepts in the Industry:

Fundamental Computer Science concepts are :
1. Programming languages
2. Operating systems
3. Networking
4. Information Retrieval
5. Data structures and Algorithms
6. System design

Emerging Trends & Future Readiness:

1. Generative AI
2. DevOps
3. LLM in AI
4. Kafka

KEEP YOUR ATTITUDE AND EFFORTS IN A POSITIVE WAY

Name:

Kedar Dhananjay Kapare

Batch (Year of Graduation):

2009

Current Company & Designation:

HARMAN INTERNATIONAL, PRINCIPAL ENGINEER

Placement Preparation:

I would advice students to make use of online study platforms. Nowadays lot of study material is also available in form of videos, series of lectures and categorised questions to prepare. Currently in the markets AI & ML are in boom, along with data related opportunities. And this will keep on updating and new technologies will be always evolving.
So, I would advice to be clear with concepts, logics and problem solving. I would request students to think by themselves.

Technical Resources & Platforms:

15 years back, I don't remember using internet much for placement related preparations. But the books of programming languages, OS concepts, Data structures and Algorithms were very helpful.
Now a days there are many online coding platforms like leetcode, hackerearth, hackerrank, geeksforgeeks and many more.

ENJOY WHAT YOU ARE LEARNING. BE CONCEPTUAL.

Faculty research and achievements

ELSEVIER

image vision COMPUTING

Image and Vision Computing

Certificate of Reviewing

Awarded for 1 review in October 2024
presented to

LINGARAJ HADIMANI

in recognition of the review contributed to the journal

The Editors of Image and Vision Computing

Elsevier Reviewer

Dr. LINGARAJ HADIMANI

Dr. LINGARAJ HADIMANI, our esteemed Head of Department, has been awarded a Certificate of Reviewing by the prestigious journal Image and Vision Computing. The certificate recognizes his valuable contribution of reviewing one article for the journal in October 2024. This achievement highlights Dr. Hadimani's expertise and dedication to the field, and brings pride to our department.

Dr. Lingaraj A. Hadimani

Our esteemed Head of Department, Dr. Lingaraj A. Hadimani, along with team members Mr. Jambukeshwar Pujari, Mr. Umesha Somanatti, and Mr. Basavaraj A Patil, has been granted a design registration (No. 383004-001) by the Indian Patent Office for their innovative "Machine Learning Based Stress Detection Device." The registration, effective from April 4, 2023, recognizes the novelty and originality of their design. This achievement showcases our department's commitment to cutting-edge research and development in the field of AI-driven healthcare solutions.

Mrs. Deepali K. Jadhav

Collaborative Effort: The patent has been registered in the names of Mrs. Deepali K. Jadhav, Dr. Sangram Patil, and Dr. Jaydeep B. Patil from the CSE department, highlighting their expertise in developing innovative solutions.
The design patent for the "SMART BRAIN TUMOR DETECTION AND PREDICTION DEVICE" showcases the department's commitment to leveraging technology for healthcare applications and pushing the boundaries of innovation in medical diagnostics.

Ms. Sonal Ayare Ma'am

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Student research and achievements

SiH 2025: Hardware Edition:

Our department students won the first prize at Smart India Hackathon 2025. They won a cash prize of 1 lakh rupees.

Students:

1. Ritesh Bakare
2. Avdhut Pailwan
3. Pushkaraj Yadav
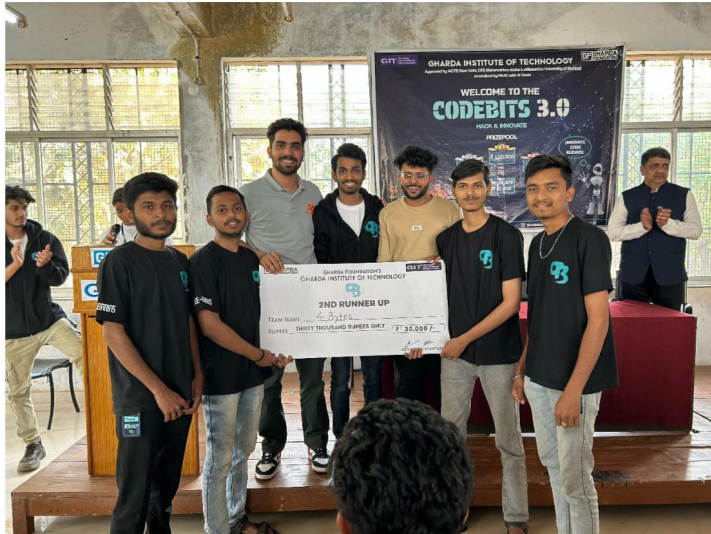4. Vedant Chilbule
5. Yash Petkar

Sinhgad Hackathon

A team consisting of our Second Year CSE students have secured the Joint Second position in 'Sinhgad Hackathon', a reputed 24 hour State-level hackathon organized by SKNSCOE, Pandharpur.

Students:

1. Saprem Khot
2. Niranjan Pawar
3. Abhay Patil
4. Sneha Mogali

Code Bits 3.0 (Hackathon)

Third Year CSE students have secured the Second Runner-Up position in "Code Bits 3.0", a prestigious two-day national-level hackathon organized by Gharda Institute of Technology, Dabhil, Ratnagiri.
Demonstrated exceptional problem-solving skills and innovation, winning a cash prize of ₹30,000!

Students:

1. Pruthviraj Patil   3. Vijaykumar Lad
2. Pruthviraj Deshmukh   4. Sajid Mujawar

Coding Competition at NIT Kolhapur

SY student Shrirang Kulkarni, along with his teammate Vinay Kamble from the AIML department, secured first place in a national-level coding competition held at NIT Kolhapur on 4th April 2025.

Techno Bharti

CSE Department students from KIT's College of Engineering delivered an outstanding performance at "Techno Bharti", held on 28th February at Bharati Vidyapeeth College of Engineering, Kolhapur.

Project Expo – from 35 Teams
Winners:
1. Shreyash Sargar (TY A56)
2. Utkarsh Powar (TY A49)
3. Yash Powar (TY A50)
4. Sourabh Yelpale (TY A70)

C-Pro Master's – from 150 participants
Winners:
1. Diksha Khade (SY A58)
2. Sneha Mogali (SY A36)

CodeFusion – from 200 participants
Winners:
1. Ayush Kadam (TY A19)
2. Sachin Chougule (TY A7)
Runner-Up:
3. Niranjan Pawar (SY A02)
4. Saprem Khot (SY A05)

SIH Innovation, Design, and Entrepreneurship (IDE) Bootcamp at IIT Jammu, organized by AICTE

Our Department students Yash Petkar (B.Tech CSE), Vedant Chilbule(SY CSE), and Prerna Rawale (BTech E&TC) participated in the 5-day SIH Innovation, Design, and Entrepreneurship (IDE) Bootcamp at IIT Jammu, organized by AICTE, Wadhwani Foundation, and MoE's Innovation Cell.

Their hard work and innovative ideas led them to secure 1st place in the Pitch Deck competition held on the final day of the event.

We're proud to share that a large number of our students are actively completing NPTEL certification courses in various technical and interdisciplinary domains. Many have earned Gold and Silver badges, showcasing their dedication to continuous learning and academic excellence. These certifications from IITs and IISc add great value to their profiles and reflect their commitment to going beyond the classroom.
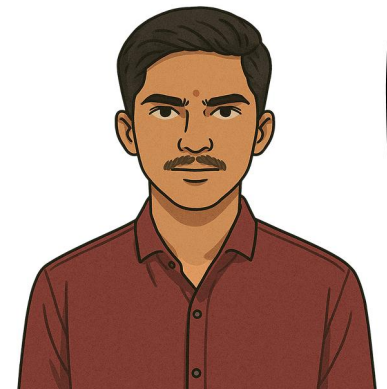
DEPARTMENT TOPPERS:

T.Y. CSE Topper

Name :
Ayush Kadam

### S.Y. CSE Topper

Name :
Niranjan Pawar

Review from GATE Topper:

I started seriously preparing for GATE after I attempted it in my third year.

My approach was simple: Complete the syllabus, revise regularly, and focus on solving Previous Year Questions (PYQs), which I believe are essential for understanding question trends and concepts.

Consistency and staying calm under pressure played a key role in improving my performance.

As for resources, I had taken an online Unacademy subscription for video lectures and test series. For PYQs, I referred to the GateOverflow website and PDFs.
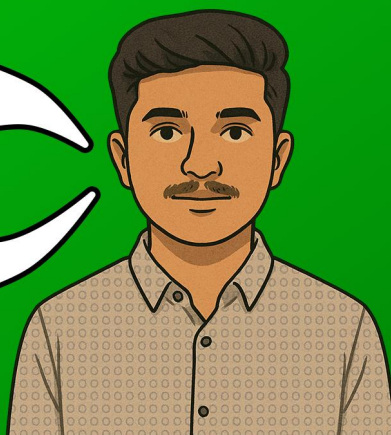
Name :
Atharv Vijay Naik

AIR : **100**   Gate Score : **880**

Departmental Placement Highlights – Academic Year 2023–24

We are proud to share the remarkable placement achievements of our students for the academic year 2023–24. This year witnessed an impressive number of students securing opportunities in a diverse range of reputed organizations, reflecting the strong academic foundation, technical skillset, and professional readiness our department fosters.

Several top-tier companies from various domains – including software development, IT services, automation, analytics, cloud solutions, and financial technology – extended placement offers to our students. Some of the prominent recruiters this year include:

- JiBe
- Infosys
- HSBC
- Connection Loops
- Sankey Solutions
- Zensar Technologie
- Cognizant Pvt. Ltd.
- RSquareSoft Technologies
- Spcl Infotech Services Pvt. Ltd.
- Jade Global Software Pvt. Ltd.
- Wynum Automation Services Pvt. Ltd.
- QualityKiosk Technologies Pvt. Ltd.
- Thinqloud Solutions Pvt. Ltd.
- Vandanam Smarttech Pvt. Ltd.
- Ayaskanta Analytics Pvt. Ltd.
- TechVerito Software Solutions

With multiple students placed in many of these companies, the placement season was a testament to the consistent efforts of our training and placement cell, faculty members, and the commitment of our students. We take pride in the growing industry trust in our talent and look forward to continued success in the years to come.

Heartfelt congratulations to all placed students on beginning a promising new chapter in their professional journeys!

Message from
CSE Department TPO:

1. Over the past 25 years, how have the placement trends evolved for the Computer Science and Engineering department at our institute?

In early years, the number of companies coming for placements were less, low package. As years progresses new MNCs are coming for placements, packages increased, startups increased.

2. What major factors—both internal and external—do you think have influenced placement outcomes over the years?

Internal:
Syllabus updates, lab infrastructure increased, faculty development programs benefited. Various online courses such as NPTEL, coursera helped a lot.
External:
Industry demands increased.

3. How has the role of the TPO and the placement cell evolved in the last two and a half decades, especially after the covid?

Post covid things got changed rapidly. Information collection, sharing done through digital platforms. TPOs are helping in arranging mock interviews, more coding practice, and involvement of alumni now need to increase.

4. Could you highlight any notable companies or organizations that have consistently recruited from our department over the years?

Service based companies like TCS, Wipro, capgemini, jade global..
Product based companies like Wynum, Tech verito etc plays very important role.

5. What advice would you give to current CSE students to help them maximize their placement opportunities?

Practice more and more on coding platforms. Build a strong resume. Focus on basics. Carry out multiple projects. Create a linkedin profile. Connect with alumni as well as with tech persons.

6. As we celebrate 25 years of the CSE department, what is your vision for the future of placements here?

To give jobs to every student. Vision is to have more entrepreneurs. Salary package increment.

Departmental events
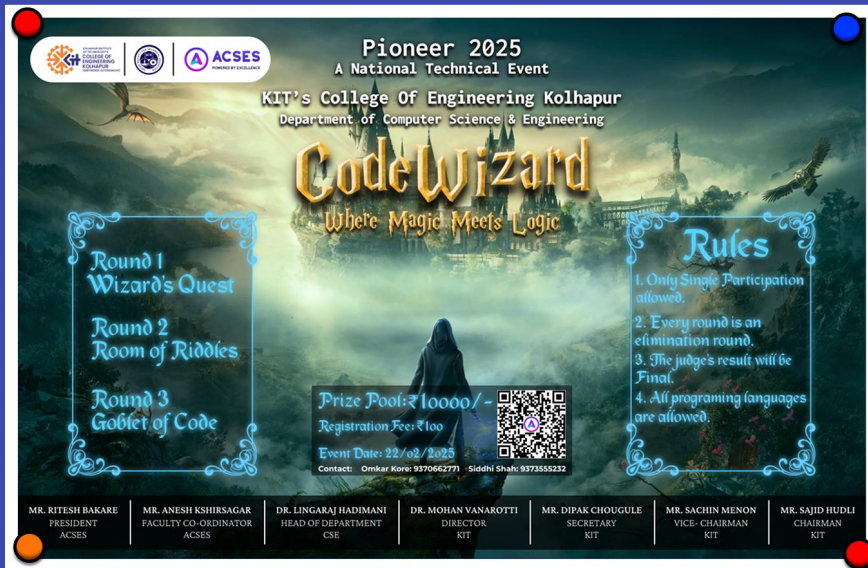
CodeWizard
– Where Magic Meets Logic

Organized by: ACSES (CSE Student Association)
Event Date: During Pioneer 2K25 Tech Fest
CodeWizard was a thrilling coding competition with three exciting rounds:
- **Aptitude Round: Logical and analytical aptitude tests.**
- **Pseudocode & Puzzle Round: Solving puzzles and designing algorithms.**
- **Coding Round: Real-time coding challenges to test programming skills.**

The event brought together students in a competitive yet fun environment, blending logic and magic in coding.

Functional Programming Workshop
– Mr. Nilesh Miskin

A deep dive into the paradigm of functional programming, covering concepts like immutability, higher-order functions, and pure functions, helping students understand modern software development styles.

Logo Making Competition
– Celebrating 25 Years of CSE

In celebration of the 25th Anniversary of the CSE Department, a Logo Making Competition was held. Students showcased their creativity by designing logos symbolizing the department's growth, legacy, and vision for the future.

Expert Talk on Career Guidance –
Mr. Sudharma Mokashi

An insightful session delivered by Mr. Sudharma Mokashi, a former Googler, who guided students on navigating career paths in tech, preparing for interviews, and exploring roles at global companies.

LaTeX Workshop

Students were introduced to LaTeX, a powerful tool for professional document preparation, widely used for research papers, reports, and academic content formatting.

Data Science and ML Workshops – by Mr. Hakim

Two in-depth workshops conducted by Mr. Hakim, focusing on practical aspects of Data Science and Machine Learning, using tools like Python, Pandas, and scikit-learn. Students explored real-world datasets and built basic predictive models.

Figma Workshop

A hands-on workshop where students learned the fundamentals of UI/UX design using Figma, a widely used collaborative design tool. It helped bridge design and development understanding.

Expert Lecture on RPA – Mr. Sunil Deokule

Alumnus Sunil Deokule introduced students to Robotic Process Automation, its applications in industry, and the tools used (like UiPath), emphasizing automation's role in modern business processes.

Professional Work Growth Workshop – Alumni Panel

Third-year students benefited from a unique workshop featuring our distinguished alumni – Sandeep Karkhanis, Rajendra Kodmelwar, and Dinesh Kohok – who shared real-world workplace experiences, career growth strategies, and professional etiquette.

Ethical Hacking Workshop – Mr. Yash Ghorpade

A one-day interactive workshop on Ethical Hacking conducted by Mr. Yash Ghorpade, introducing TY students to cybersecurity concepts, penetration testing, and ethical hacking tools.

Senior faculty members and their messages

Mr. Mahesh Salunkhe Sir:

1. How did the idea of starting this department originate, and what was the initial vision behind it?

In the early 90s, the software industry was just taking root in India. It was predicted that it would touch every domain of society. By keeping this in mind, the management started the CSE branch to meet the future needs of software professionals in society.

2. What were some of the key technical subjects and tools taught in the early years, and how have they evolved over time?

In the early years, the key courses were C/C++ programming, Digital logic, Computer Architecture, Algorithms, Discrete Maths, Theory of Computation, Compilers, Networking, HTML, ASP, PHP, and VB were the key courses. Over the years, the courses related to computer architecture have become less relevant, and courses related to programming (including web), parallel algorithms, Security, and Distributed systems have received more importance. The core courses like discrete maths, theory of computation, algorithms, and networking are still of the same importance in the syllabus. And very recently. In the last five years, courses related to AIML, and ARVR have gained a place. Also, courses related to cloud computing, advanced web programming like node js, react express js have been included in the syllabus as per the demand of the industry.

3. Can you share some milestones or technical achievements that you feel proud of in this 25-year journey?

MoUs with various industries, IITB Nodal centre for conducting Workshops, Autonomy, Project-based learning (in collaboration with Erasmus University), Hosting Hackathon three times.

4. How has the department's infrastructure—labs, software, and teaching tools—transformed over the years?

In a nutshell, the department's infrastructure has been updated with the times. I remember, in the early years, we used to access the internet via a dial-up mode of 128kbps speed, and today, we access the internet via a 1.5GBps leased line. Blackboard teaching shifted to OHP presentations, LCD projectors, and, finally, Smartboards. Similarly, labs and software have evolved over the years.

5. How has the department encouraged student participation in technical events, research, and projects? How has the department encouraged student participation in technical events, research, and projects?

In recent years, the education sector all over the world has become student-friendly. We are not an exception to it. We always encourage students to participate in Hackathon, paper presentations, workshops, etc. Students have also brought laurels to the department by participating in such events. Our students have won first/second prizes in the Hackathon. Several students have won other programming contests.

Ms. Deepali Jadhav Ma'am:

1. How did the idea of starting this department originate, and what was the initial vision behind it?

The idea came from the rising demand for IT professionals in the late '90s. Our goal was to build a strong foundation in computer science and evolve with technology.

2. What were some of the key technical subjects and tools taught in the early years, and how have they evolved over time?

Early subjects included C, Data Structures, and OS, using tools like Turbo C++ and Oracle. Today, we teach AI, ML, and Cloud using Python, Git, and modern frameworks.

3. How has the department kept pace with emerging technologies?

As an autonomous department, we regularly update our curriculum with inputs from industry experts, and we've introduced labs and electives in AI, Data Science, and Cybersecurity.

4. Any milestones or technical achievements you're proud of?

Consistently high placement records, student participation in national hackathons, and successful alumni are some of our proudest achievements.

5. How has the department's infrastructure evolved?

We've grown from basic labs to 8 modern labs including AR/VR and IoT, all fully equipped with AC, high-speed systems, and collaborative seating.

6. What role have alumni and industry played in shaping the department?

Alumni contribute as mentors and recruiters. Industry collaborations help us keep the curriculum relevant and provide students with internship and placement opportunities.

7. How is student participation in tech events and projects encouraged?

Through coding clubs, research support, technical festivals, and hands-on project mentoring by faculty.

8. What is your vision for the department's future?

To become a hub of innovation and entrepreneurship, with strong research, global exposure, and industry-driven learning.

9. How has the syllabus evolved over time?

It's become more industry-aligned, skill-focused, and flexible, with modern electives, practical learning, and soft skills integration.

" From foundation to flourishing—25 years strong! I hope to connect more with our young students and guide them toward new possibilities. "

THE TEAM

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