



Maratha Vidya Prasarak Samaj's  
**Karmaveer Adv. Baburao Ganpatrao Thakare**  
**College of Engineering, Nashik**

Permanently Affiliated to Savitribai Phule Pune University  
5 Programs are Accredited By National Board of Accreditation (2022-2025)



An Autonomous Institute Permanently affiliated to Savitribai Phule Pune University

**STRONG EDUCATIONAL FOUNDATION TO ADVANCE YOUR CAREER**

# INFORMATION TECHNOLOGY

## NEWS LETTER 2024-25

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### ABOUT THE DEPARTMENT

The Department of Information Technology is established in 2008-09. The Department has intake of 60 students. The Department of Information Technology was established with a vision to develop quality engineers to meet the current trends in the emerging world of IT. Department has well qualified faculty members to impart knowledge to the students about the latest technologies in IT field. Department has 9 laboratories which are well equipped with necessary software along with WI-FI connectivity and also intended to provide technical support for Website development of different educational Institutions under MVP Samaj. Different Student development centered programs are arranged in the Department.

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## VISION, MISSION AND OBJECTIVES OF DEPARTMENT:

### **VISION**

To be the Centre for excellence in the development of IT solutions with specific approach of industry interface blended learning and project-based learning leading to the development of globally competent graduates and life-long learners.

### **MISSION**

Committed to develop students as competent IT professionals for employment and self-employment by adapting to the innovative and interactive academic process to acquire domain specific technical knowledge, soft skills and social responsibilities

### **PROGRAM EDUCATIONAL OBJECTIVES**

Graduates will analyze, design and implement modern computing problems by applying their knowledge of mathematics, information technology, and emerging technologies. Graduates will possess an attitude & aptitude for research, entrepreneurship and higher studies in the field of Information Technology.

Graduates will be aware of their professional, ethical, social responsibilities and contributions towards the betterment of society through active engagement with professional societies and other community activities.

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## Activities And Events

| Sr. No | Date                           | Session Title                                                      | Speaker             | Organization                                                                  | Audience                                      |
|--------|--------------------------------|--------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------|-----------------------------------------------|
| 1      | 6 <sup>th</sup> January 2025   | <u>Orientation Program Students</u>                                | Dr. S. A. Talekar.  | Department of Information Technology                                          | Information Technology TE Students            |
| 2      | 21st January 2025              | Industry Visit Report: Faculty Development Adventure               | Dr. S. P. Jadhav    | 21st January 2025                                                             | IT faculty members                            |
| 3      | 18 <sup>th</sup> January 2025  | Expert Talk on “Recent Trends in Data Science & Big Data Analytics | Mr. Praveen Andhale | Helical IT Solutions Pvt Ltd Hyderabad.                                       | final year IT students.                       |
| 4      | 15 <sup>th</sup> January, 2025 | <u>Industrial visit at Lazy Developer TechED, Nashik</u>           | Mr. Khemraj Parate  | Lazy Developer TechED, Nashik                                                 | Information Technology SE students            |
| 5      | 10th January 2025.             | <u>Department Advisory Board Meeting</u>                           |                     | Department of Information Technology                                          | Information Technology staff abd DAB members. |
| 6      | 21 <sup>st</sup> Feb 2025      | <u>Expert Talk on “Career Guidance in Higher Studies”</u>          | Mr. Mayur Tadekar   | Information Technology and Information Technology Students Association (ITSA) | third- and final-year Information Technology  |



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|    |                                                    |                                                                           |                         |                                                                                                                        |                                                         |
|----|----------------------------------------------------|---------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| 7  | 25 <sup>th</sup> Feb<br>2025                       | <u>Expert Talk on “Blockchain<br/>Technology”</u>                         | Ms. Rutuja<br>Dalvi     | Department<br>of<br>Information<br>Technology<br>and<br>Information<br>Technology<br>Students<br>Association<br>(ITSA) | final year<br>Information<br>Technology<br>students     |
| 8  | 18 <sup>th</sup> Feb<br>2025                       | <u>Expert Talk on “Career<br/>Guidance”</u><br>”                          | Miss. Mansi<br>Gaikar   | Department of<br>Information<br>Technology                                                                             | third year<br>Information<br>Technology<br>students     |
| 9  | 25 <sup>th</sup><br>February<br>2025               | <u>Industrial visit to ESDS<br/>Software Solution Ltd</u>                 |                         | ESDS Software<br>Solution Ltd                                                                                          | Third Year<br>Information<br>Technology<br>students     |
| 10 | 17 <sup>th</sup> October<br>2024                   | <u>Industry Visit Report at<br/>“Nashik Smart City, Nashik<br/>”</u><br>– | Mr. Anil Tatkod         | Department of<br>Information<br>Technology                                                                             | Information<br>Technology<br>students                   |
| 11 | 13 <sup>th</sup> &<br>14 <sup>th</sup> Feb<br>2025 | <u>Two Days Workshop on<br/>illumination Models &amp;<br/>OpenGL</u>      |                         | Department of<br>Information<br>Technology                                                                             | Second<br>Year<br>Information<br>Technology<br>students |
| 12 | 22 <sup>nd</sup><br>February<br>2025               | <u>Teacher-Parents Meet<br/>Interaction</u>                               | by Dr. S. A.<br>Talekar | Department of<br>Information<br>Technology                                                                             | Parents.                                                |

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## Orientation Program Students



The Department of Information Technology organized an Orientation Program for third year students on 6<sup>th</sup> January 2025. In this program, Dr. S. A. Talekar HOD discussed about placements, NEP, ITSA and activities conducted under it, rules, and regulations of college. Dr. S. P. Jadhav and Ms. T. S. Pawar discussed about academic planning and execution. Dr. V. R. Sonawane lightened on importance of Outcome Based Education (OBE), program outcomes, program specific outcomes, program educational objectives and how it is implemented in the department. Ms. R. R. Tajanpure and Mr. N. S. Ujgare discussed about PBL, internship, industry institute interaction, how to find out companies for internship.

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## Industry Visit Report: Faculty Development Adventure



**Date:** 21st January 2025

**Venue:** Zensar Learning Academy

The Faculty Development Adventure, held on 21st January 2025, was a transformative event aimed at empowering participants with advanced industry knowledge and skills. Hosted at Zensar Learning Academy, the program featured dynamic sessions on full-stack development, AI advancements, UI design, agile practices, and engineering excellence. The event was designed to address contemporary industry demands and equip faculty with the tools to bridge academic and industry gaps.

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## Expert Talk on “Recent Trends in Data Science & Big Data Analytics”



**Mr. Praveen Andhale (Helical IT Solutions Pvt Ltd Hyderabad) guiding the**

Department of Information Technology organized expert talk on “Recent Trends in Data Science & Big Data Analytics” on 18<sup>th</sup> January 2025 for pre final year IT students. Mr. Praveen Andhale (Helical IT Solutions Pvt Ltd Hyderabad) was invited as a resource persons for this expert talk. Expert’s introduced themselves during expert talk, shared valuable knowledge about data analytics pipeline and recent trends in data analytics. Expert’s also explained tools and techniques for data visualization such as Apache AirFlow. TE IT students took the benefits of this expert talk.

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## Industrial visit at Lazy Developer TechED, Nashik



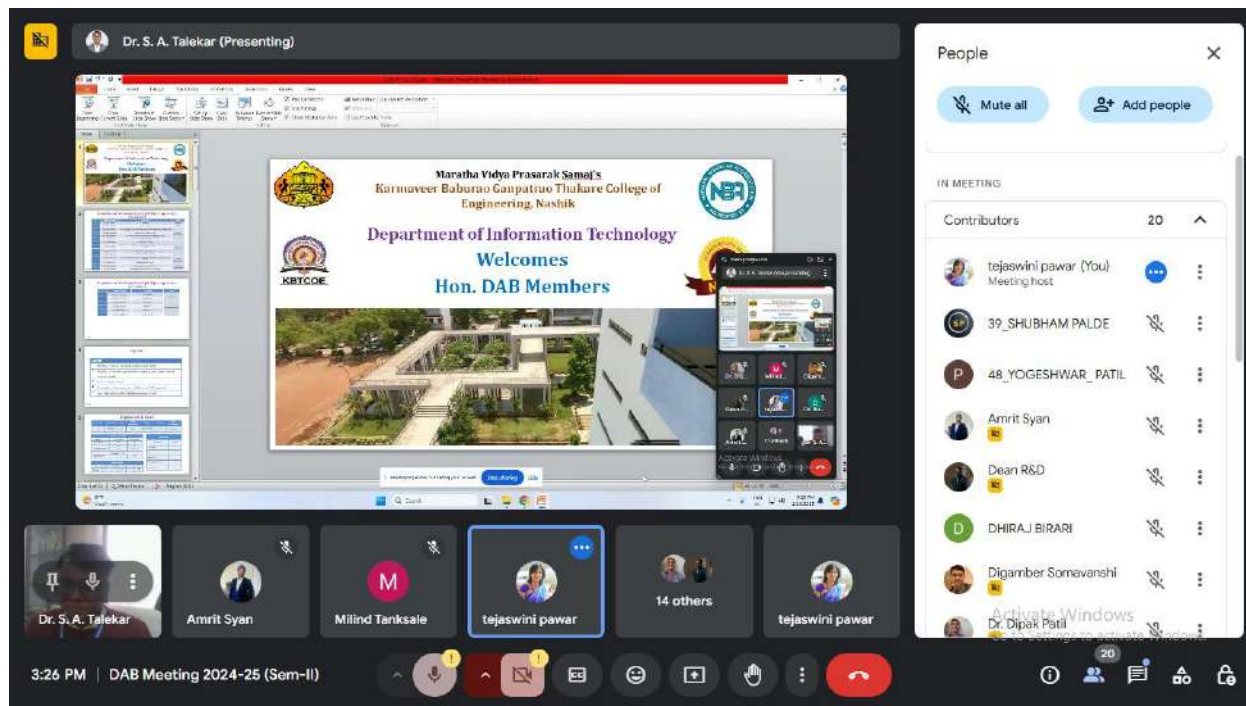
**Dr. Jaya Suryawanshi and Students during the visit**

Full stack development as well as Startup is recent developing area in the field of Information Technology. IT department organized a field visit to Lazy Developer TechED, Nashik on 15<sup>th</sup> January, 2025. The primary objective of this industry is to provide the best of infrastructure and adequate production and processing facilities. Mr. Khemraj Parate from Lazy Developers TechED explained entire process execution in his presentation. Followed by presentation visit is organized for students in which they saw all machinery and actual working. This field visit was coordinated by Ms. B. A. Ahire., Dr. S. P. Jadhav and Dr. J. R. Suryawanshi also visited Lazy Developer TechED. All SE IT students took benefits of this field visit.



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## Department Advisory Board Meeting



The Department of Information Technology organized a Departmental Advisory Board (DAB) meeting on 10th January 2025. Dr. S. A. Talekar (HoD, IT), IT faculty members and DAB members were present for the meet. DAB members were welcomed by IQAC member Ms. T. S. Pawar. The key discussions included enhancing industry interaction, creating awareness of IT Industry ethics among students, autonomy syllabus structure of IT and AIDS.

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## Expert Talk on "Career Guidance in Higher Studies"



Department of Information Technology and Information Technology Students Association (ITSA) of KBT College of Engineering, Nashik, organized an expert talk on "*Career Guidance on Higher Studies*" for third- and final-year Information Technology students on 21<sup>st</sup> Feb 2025. The session aimed to provide valuable insights into various higher education opportunities, including postgraduate studies in India and abroad, competitive exams like GATE, GRE, TOEFL, and career prospects in research and industry. The expert emphasized the importance of choosing the right specialization, scholarship opportunities for a successful career.

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Students actively participated in the interactive session, gaining clarity on different career paths and future prospects. The talk proved to be highly beneficial in helping students make informed decisions about their academic and professional journey. The Expert Talk arranged by Prof.Pravin R Pachorkar under guidance of our Respected Head of Department Dr. S.A.Talekar.

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## Activity Name: Expert Talk on "Blockchain Technology"



Department of Information Technology and Information Technology Students Association (ITSA) of KBT College of Engineering, Nashik, organized an expert talk on "*Blockchain Technology & its Applications*" for final year Information Technology students on 25<sup>th</sup> Feb 2025 by Industry expert Ms. Rutuja Dalvi. She is a Web 3 Developer and as well as Blockchain Experts. The session provided an in-depth understanding of blockchain fundamentals, decentralized ledger systems, and key applications across industries such as finance, healthcare, and supply chain management.



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The expert explained the working of blockchain, including cryptographic security, consensus mechanisms, and smart contracts. Practical use cases, emerging trends like NFTs and DeFi, and career opportunities in blockchain development were also discussed. The interactive session allowed students to clarify doubts and explore real-world blockchain applications. The event successfully enhanced students' knowledge of this transformative technology, preparing them for future career prospects in blockchain and related domains. The Expert Talk arranged by Prof.Pravin R Pachorkar under guidance of our Respected Head of Department Dr. S.A.Talekar.

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## Activity Name: Expert Talk on "Career Guidance"



Department of Information Technology and Information Technology Students Association (ITSA) of KBT College of Engineering, Nashik, organized an expert talk on "*Career Guidance*" for third year Information Technology students on 18<sup>th</sup> Feb 2025. The session aimed to provide insights into career opportunities, industry trends, and essential skills required for professional growth. The expert speaker discussed various career paths, including software development, cybersecurity, data science, cloud computing, and entrepreneurship.

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The session also highlighted the importance of internships, networking, and continuous learning in a rapidly evolving tech landscape.

Students actively participated in the Q&A session, gaining valuable guidance on career planning and skill development. The event successfully motivated students to explore opportunities and prepare for their future careers. The Expert Talk arranged by Prof.Pravin R Pachorkar under guidance of our Respected Head of Department Dr. S.A.Talekar.

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## Industrial visit to ESDS Software Solution Ltd.



An Industrial visit to “ESDS Software Solution Ltd.”, Reliable Tech Park, B Wing, Thane - Belapur Rd, Gavate Wadi, MIDC, Airoli, Navi Mumbai, Maharashtra 400708, was organized by the Information Technology Department of MVP’S KBTCOE on Tuesday, 25<sup>th</sup> February 2025. 43 Third Year Information Technology students and three faculties visited to Industry. At company comprehensive seminar session on Cloud Computing and its significance in today's technological landscape was given. The session covered topics such as Cloud architecture, deployment models, and benefits for businesses and individuals. The tour of their Data Center and Server rooms was organized. It provided practical exposure to cloud computing, data center management, and cyber security solutions. The interactive session with industry experts helped us understand real-world IT challenges and innovations.



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## Industry Visit Report at “Nashik Smart City, Nashik ”



**Mr. Anil Tadkod (Nashik Smart City, Nashik)**

On February 22<sup>nd</sup>, 2025, the Department of Information Technology organized an Industry Visit Report at “Nashik Smart City, **Nashik**”. This visit's goals are to raise awareness of rapid urbanisation and growth in recent years of Nashik . Nashik stands out as a prime example of urban transformation amidst rapid population growth, accompanied by the pressing need for expanded infrastructure, improved livelihoods, and an enhanced quality of life. Nashik, once renowned as a pilgrimage center, has embarked on a deliberate journey to evolve into a meticulously planned Smart City. **Mr. Anil Tadkod** provided information on several projects underway, including the Smart City project, urban mobility projects, & infrastructure projects. 100 Information Technology students and 2 faculties visited to “Nashik Smart City, **Nashik**.”

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## Two Days Workshop on illumination Models & OpenGL



Department of Information Technology organised Two Day Workshop on “Illumination Models and OpenGL for Second Year Information Technology under Information Technology Students Association on 13<sup>th</sup> & 14<sup>th</sup> Feb 2025. On **Day 1**, students were introduced to **illumination models** (Ambient, Diffuse, and Specular lighting), shading techniques (Phong & Gouraud), and **3D transformations**. They also had hands-on practice in implementing lighting effects using OpenGL. On **Day 2**, the focus was on advanced **OpenGL pipeline concepts**, working with **textures, materials, and shaders**, and implementing **real-time lighting techniques**. The session concluded with a **mini-project**, where students created basic 3D scenes using OpenGL.

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The workshop provided **practical exposure**, bridging the gap between theory and application, and equipping students with essential skills for graphics programming. It was a highly interactive and informative session that enriched students' knowledge in the field of computer graphics. The Expert Talk arranged by Prof. Dhiraj Birari under guidance of our Respected Head of Department Dr. S.A.Talekar.

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## Teacher-Parents Meet Interaction



Department of Information Technology organized Parents-teachers meet on 22<sup>nd</sup> February 2025. The aim of the meeting was to make parents aware of attendance and result of their ward. The meet was attended by 45+ parents and teachers. Welcome address and introductory speech was proposed by Dr. S. A. Talekar. He gave the brief introduction of the efforts taken by the department during the current semester. Class coordinators Dr. J. R. Suryavanshi, Ms. B. A. Ahire, Ms. T.S. Pawar showed attendance to parents and result. Placement coordinator Mr. N. S. Ujgare also discussed regarding student placement and cleared doubts coming from the parents. All subject teachers discussed about performance of students.

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Department of Information Technology organized expert talk on “Human-Computer interaction in Health Care on 20/09/2024 for Third Year IT students Sagar B. Katarnaware CEO, SEED Infotech branch head was invited as a resource person for this expert talk Firstly; he gave brief introduction of himself. In the expert talk, he shared valuable knowledge regarding the topic, how Human-Computer interaction work in Health Care. He also explained the Job opportunities in Human-Computer interaction. He delivered the knowledge on interface & design; TE IT students took the benefits of this expert talk.



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## Hands-on Workshop on Software Testing



The Department of Information Technology organized a Hands-on workshop on Software Testing from 6<sup>th</sup> February 2025 to 8<sup>th</sup> February 2025. The resource person **Mr. sagar katarnaware** is having 10+ years of experience as a Tech lead in IT industry and consultation. He has also worked on 15+ foreign client projects which covered the most of the software testing content. The key achievement of this workshop was that students were confident enough to test their final year project using testing tools that were discussed during the workshop. The Workshop was arranged by Dr. Santosh Pandurang Jadhav under guidance of our Respected Head of Department Dr. S.A.Talekar.

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## Industry Visit Report: Vigyan Ashram



**Date:** 24th February 2025

**Venue:** Vigyan Ashram, Pabal, Pune

Visit to Vigyan Ashram was organized on 24th February 2025 which is 5 acre land located at a small village named Pabal near to Pune. The purpose of the visit was to explore the methodologies, tools, and learning environment which will be needed for the students for project development and finding problem statements for the projects. During the Visit students from all streams visited FABLAB 0 which is the first digital fabrication lab in India equipped with modern tools and technology to support interdisciplinary projects, encouraging

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students to apply theoretical knowledge to practical challenges.. Students have also visited various ongoing multi-disciplinary projects that fosters hands-on learning, creativity, and collaboration among students. At the end an interactive session with Dr.Arun Dixit , Head-Design Innovation Center was conducted who highlighted the importance of experiential learning in developing essential 21st-century skills and reinforced the need to integrate such innovative approaches into mainstream education.