



MARATHA VIDYA PRASARAK SAMAJ'S

**Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering, Nashik**

NBA
NATIONAL BOARD
OF ACCREDITATION
• MECHANICAL
• COMPUTER
• INSTRUMENTATION AND CONTROL
• CIVIL
• INFORMATION TECHNOLOGY (IT)



Permanently Affiliated to Savitribai Phule Pune University Vide Letter No. : CA/1542 & Approved by AICTE New Delhi - Vide Letter No. : 740-89-32 (E) ET/98 AISHE Code - C-41622

INFORMATION TECHNOLOGY

NEWS LETTER 2023-24

VOL-VI ISSUE-2

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	January 17 th 2024	Expert Talk on “Block chain use cases and industry applications”	Rutuja Dalvi	Department of Information Technology	Information Technology Students
2	January 24 th 2024	Industry Visit at “Centre for Development of Advanced Computing (CDAC) ,Navi Khargha,Mumbai ”.		Department of Information Technology	Information Technology Students
3	January 2 nd 2024	Session on Consultancy Services: Opportunity and challenges in IT Sector	Mr. Sandip Shinde	Impact Innovation Coach, TCS Digital Impact Square, Nashik .	Faculty members.
4	2 nd January 2024 – 6 th January 2024	Workshop on “Data Analytics using cloud”		Department of Information Technology and AICTE (Edunet Foundation)	Third year and Final Year Information Technology students
5	January 19 th 2024	Industry Visit Report at ESDS, Navi Mumbai	Ms. Ridimma ESDS, Navi Mumbai	Department of Information Technology	Third year Information Technology students

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6	February 14 th 2024	Expert Talk on "Security and privacy related issues in Distributed system"	Miss Alpana Borse	Assistant Professor at Pimpri Chinchwad College of Engineering, Pune	Final Year IT students
7	February 24 th 2024	Department Advisory Board Meeting	Dr. S. A. Talekar	Head of Department	IT faculties and DAB members
8	February 13 th 2024	Expert Talk on "Sentiment Analysis"	Tejas. S. Dusane	Founder & CEO The Digitrack Media, Nashik	Final Year IT students
9	February 28 th 2024	Expert Talk on "Recent Trends in Data Science & Big Data Analytics"	Mr. Praveen Andhale	Helical IT Solutions Pvt Ltd Hyderabad	TE IT students
10	February 6 th 2024	Discussion on Project based Learning	Mr. Durvesh Bhuse	Department of Information Technology	Second Year IT students
11	February 17 th 2024	Session on Leadership and Personality Development : Team Building	Ms. Premlata Mishra	Director, Advent Tech. Pvt. Lmt., Nashik.	third year IT students
12	February 23 rd 2024	Session on Leadership and Personality Development: Personality Development	Ms. Rupa Shinde,	Counselor ,MVPS's KBTCOE	third year IT students

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February 23 rd , 2024	Industry Visit Report at "Sivananda Electronics, Nashik	Miss. Mansi Gaikar	Sivananda Electronics, Nashik	Information Technology students
February 11 th 2024	Expert Talk on "Keyframe-Graphics Programming Using OPENGL"	Mr. Mayur Tadekar (AstoMedComp)	AstoMedComp	Second Year IT students
March 4 th 2024	Employability skill program	Dr. S. A. Talekar	Department of Information Technology head	
March 7 th 2024	River Conservation and Sanitation		Kr. V. N. Naik Shikshan Prasarak Sanstha's Arts, Commerce & Science College	
March 15 th 2024	Expert Talk on "Essential Cyber Security Practices in Software Engineering"	Prof. Ulape Deepak	Sanjay Ghodawat University, Kolhapur	SE IT students
April 10 th 2024	Expert Talk on "AI Revolution: Transforming Education and Research"	Dr.V.R.Sonawane	SND College of Engineering and Research Center, Yeola	Students and faculty

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April 6 th 2024	SHODH 2K24		SNJB's Late Sau. K. B. Jain College Of Engineering, Chandwad	
April 19 th and April 20 th 2024	Workshop on "Hackshield: Journey into Cyber Security"	Mr. Tanmay Dixit	Department of IT & ISTE student branch of MVPS's KBT College of Engineering	third year
April 6 th 2024	Expert Talk on "Intellectual Property Rights and Regulatory Affairs."	Dr. Mrudula Bele	Associate Professor , MVP's College of Pharmacy ,Nashik	for second- year IT students

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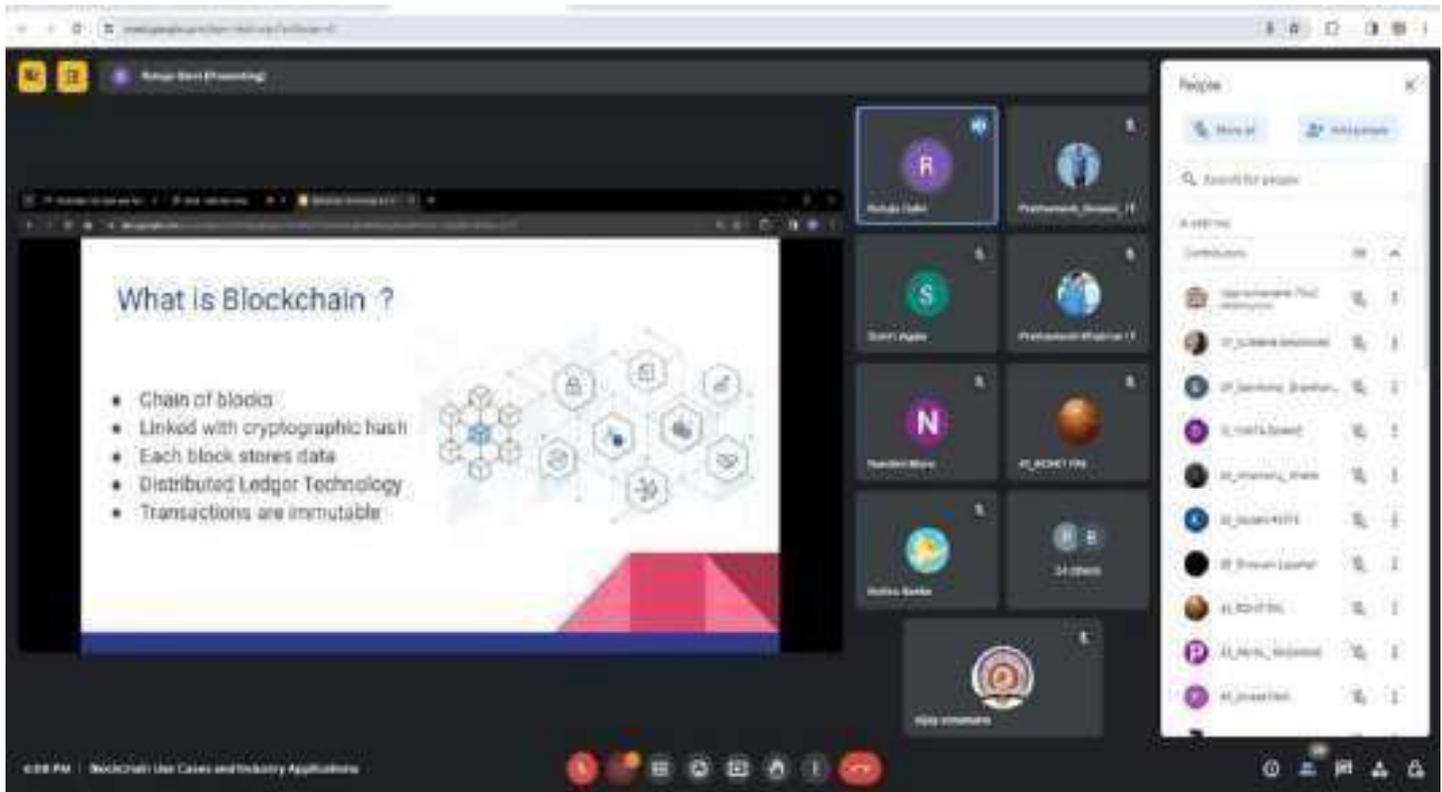
Activities And Events

National / International Conference

Sr. No.	Name of Authors	Title of Paper	Name of Conference	Date
1	S. A. Talekar	Design and Development of Sketch Based Image Retrieval Using Deep Learning	i11th National Conference on Recent Advances in Computer Engineering [RACE 2024]	April 4th & 5th , 2024
2	S. A. Talekar	Career Counseling GPT	11th National Conference on Recent Advances in Computer Engineering [RACE 2024]	April 4th & 5th , 2024
3	S. A. Talekar	Career Counseling GPT	INTERNATIONAL CONFERENCE ON RECENT TRENDS AND ADVANCEMENTS IN COMPUTING TECHNOLOGIES (ICRTACT-2024)	April 25th & 26th , 2024
4	Mrs. B. A. Ahire	Multi parameter Multilevel (MPML) Based Trust Management System for Healthcare	MEDITERRANEAN SMART CITIES CONFERENCE (MSCC 2024)	May 2 - 4, 2024

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Expert Talk on "Block chain use cases and industry applications"



Rutuja Dalvi (PG Diploma - Blockchain Development)

Session Details:

Topic: Block chain use cases and industry applications **Date:** January 17, 2024 (Wednesday)

Time: 6:00 PM

Resource Person: Rutuja Dalvi (PG Diploma – Block chain Development)

Google Meet Link: <https://meet.google.com/bqw-vkot-wqo>

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The Department of Information Technology organized an online session on Blockchain technology by Rutuja Dalvi. This session aims to delve into the diverse use cases and industry applications of Blockchain. Rutuja Dalvi, a distinguished alumna of our College currently based in Canada, is actively contributing to the Blockchain domain. She brings a wealth of experience and knowledge to share with our students. This session provided a unique opportunity for students to gain valuable insights into Blockchain technology and explore its applications across various industries.

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Industry Visit Report at "Centre for Development of Advanced Computing (CDAC) ,Navi Khargha, Mumbai



Guidance session for the students during the session at Centre for Development of Advanced Computing

On January 24th, 2024, the Department of Information Technology organized an Industry Visit at "Centre for Development of Advanced Computing ,Navi Khargha,Mumbai ". The objectives of this visit is awareness about the working Environment, Working Methods, Employment practices of Industry. To experience the working environment of the Industry & to establish a link between theories taught in a classroom and actual practical concepts. 36 IT students and 2 faculties visited to Centre for Development of Advanced Computing, Mumbai. Session was conducted on Cloud Computing, High Performance Computing etc. Students received the knowledge of recent Technology Trends & Job Opportunities in CDAC.

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Session on Consultancy Services: Opportunity and challenges in IT Sector



Mr. Sandip Shinde interact with staff

Session on Consultancy Services Opportunity and challenges in IT Sector was organized by department of information technology on 06/01/2024 for faculty of IT and Computer department. The speaker for session was Mr. Sandip Shinde who is working as Impact Innovation Coach, TCS Digital Impact Square, Nashik . Objective of the session was to obtain Guidance on Establishing Consultancy in the IT Industry. Mr. Sandip Shinde discussed points as to focus on Consultancy Opportunities in Traditional Industries Instead of IT, to Explore Data Science as a Key Area for Consultancy in the Banking Sector, to Shift Towards a Coaching Role for Extended Engagement with Students. Total 24 faculties attended the session.

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05 - Days Workshop on "Data Analytics using cloud"



Participant Photo

The Information Technology Department of the institute in association with AICTE (Edunet Foundation) organized a 05 – Days Workshop on “**Data Analytics using cloud**” during 02th 2024 to 06th 2024 January 2024. 14 students from TE Information Technology & 16 students from BE Information Technology class took the advantage of this workshop.

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Industry Visit Report at ESDS, Navi Mumbai



Navi Mumbai, Maharashtra, India

Plot No. Gen 71/1 & Gen -71/1/1, TTC Industrial Area, Mahape MIDC, Sector 2, Kopar Khairane, Sector 2, Kopar Khairane, Navi Mumbai, Maharashtra 400710, India

Lat 19.102943°

Long 73.021536°

19/01/24 12:04 PM GMT +05:30

Guidance session for the students during the session by Ms. Ridimma ESDS, Navi Mumbai

On January 19th, 2024, the Department of Information Technology organized an Industry Visit for third year students. Too aware about the working Environment, Working Methods, Employment practices of Industry

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Industrial visit to ESDS Software Solutions



An Industrial visit to “ESDS Software Solutions.”, Plot No. Gen 71/1 & 71/1/1, Mahape Road, Mahape, Navi Mumbai, Maharashtra 400710, was organized by the Information Technology Department of MVP’S KBT COE on Tuesday, 19th January 2023. 39 Information Technology students and three faculties visited to ESDS Software Solutions. The session covered topics such as Cloud architecture, deployment models, & benefits for businesses and individuals. The tour of their Data Center and Server rooms was organized to give students a firsthand look at the cutting-edge technology & practices employed by a leading Cloud Service Provider ESDS Software Solutions.

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workshop seminar on " Cyber security in Edge Computing enabled Internet of Things"

Priya Ramanlal Patel, a final-year student of Information Technology. Recently, she attended a 7-day workshop seminar on "Cyber security in Edge Computing enabled Internet of Things" at ABV - Indian Institute of Information Technology and Management, Gwalior.

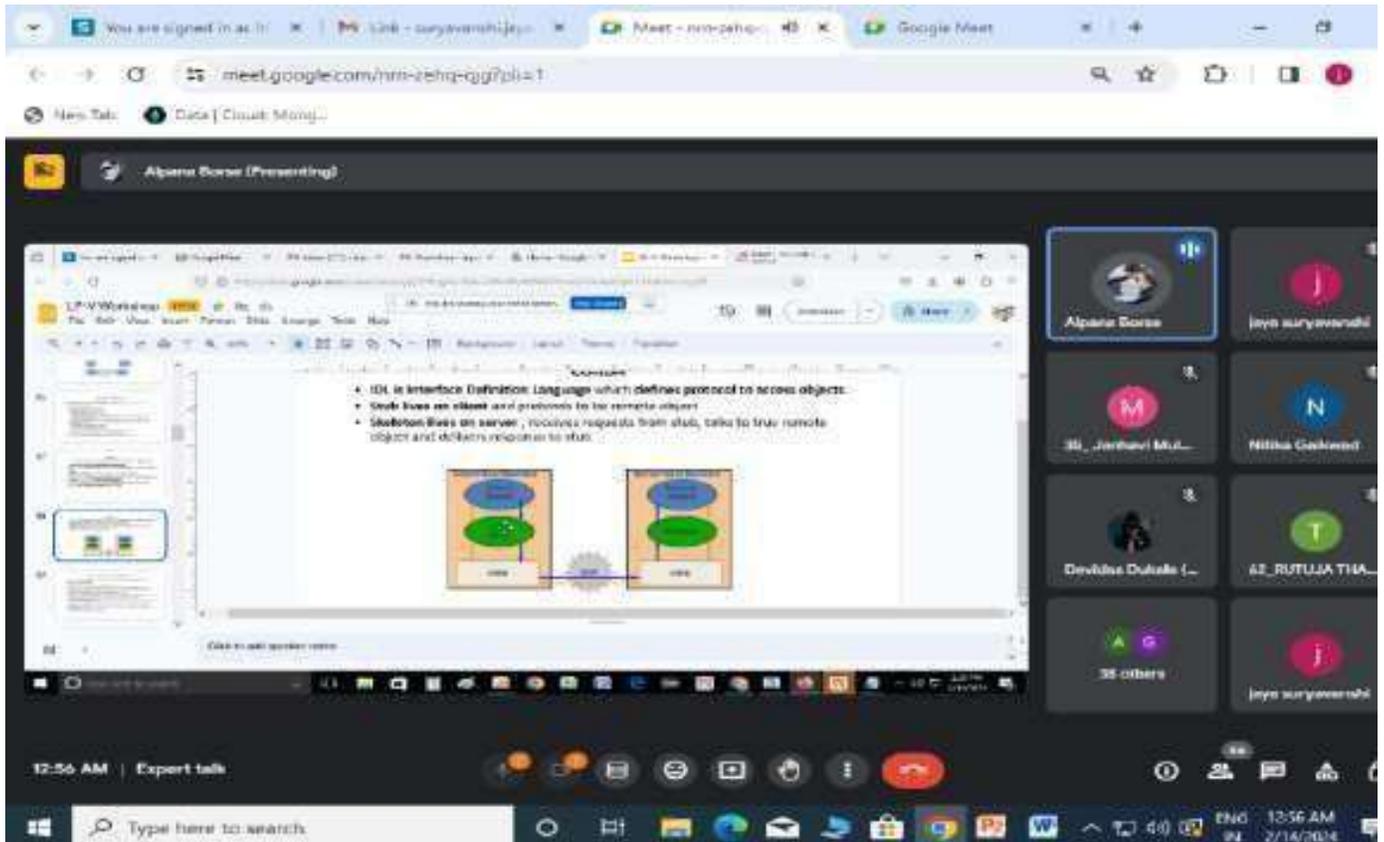
During the workshop, I gained knowledge about various new aspects of cybersecurity and the Internet of Things. The session covered topics related to edge computing, the use of cybersecurity in edge computing, and the relationship between edge computing and IoT. Furthermore, I learned about the future scope of this field and how rapidly technology is growing in this sector.



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Expert Talk on "Security and privacy related issues in

Distributed system"



The Department of Information Technology organized an expert talk on **"Security and privacy related issues in Distributed system "** on 14th February 2024 for Final Year IT students. Miss Alpana Borse (Assistant Professor at Pimpri Chinchwad College of Engineering , Pune) was invited as a resource person for this expert talk. Security and privacy are critical concerns in distributed systems due to their inherent complexity & the distributed nature of data and computation. She explored Data Breaches, Denial of Service (DoS) Attacks of Distributed systems with examples and Consensus Attacks. Total 60 students attended the session.

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Department Advisory Board Meeting

The Department of Information Technology had organized a Department Advisory Board meeting on 24th February 2024. The meeting started at 10:30 am. The Meeting was conducted online. Dr. S. A. Talekar (HoD, IT), IT faculties and DAB members were present for the meet.

The agenda of the meeting was:

1. Review of previous meeting.
2. Briefing of curricular gap identified and content beyond syllabus
3. Initiative regarding Autonomy and NEP
4. Industrial training and real life assignments for students
5. Any other relevant point with permission of board

DAB members were welcomed by DAB coordinator Ms. R. R. Tajanpure. Head of Department, Dr. S. A. Talekar gave the department presentation and addressed the previous DAB minutes of the meeting. Fruitful discussion was carried out with DAB members in the view of autonomy & NEP implementation. Meeting ended with a vote of thanks.



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Expert Talk on "Sentiment Analysis"



Nashik, Maharashtra, India
25, Manik Nagar, Nashik, Maharashtra 422005, India
Lat 20.011962°
Long 73.763782°
13/02/24 11:15 AM GMT +05:30

T. S. Dusane (Founder & CEO The Digitrack Media, Nashik) guiding the students during the session.

Department of Information Technology organized expert talk on "Sentiment Analysis" on 13th February 2024 for Final Year IT students. T. S. Dusane (Founder & CEO The Digitrack Media, Nashik) was invited as a resource person for this expert talk. Firstly he gave brief introduction of Digital Marketing & also explains SEO & SMO tools of Digital Marketing. In the expert talk, he shared valuable knowledge and shows practical demonstration of analytics by using different tools. BE IT students took the benefits of this expert talk

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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 students during the session

Department of Information Technology organized expert talk on “Recent Trends in Data Science & Big Data Analytics” on 24th February 2024 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. Expert’s also explained tools and techniques for data visualization such as Apache Air Flow. TE IT students took the benefits of this expert talk.

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Discussion on Project based Learning

The Department of Information Technology had organized a discussion on Project based Learning for the Second Year IT students on 6th Feb 2024. Mr. Durvesh Bhuse discussed with the students about his current projects as mediguide, car and home security system, sansacares. He also discussed about new firm registration process, different phases of project impementation and insights. Students actively participated in this siscussion.



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Teacher-Parents Meet



Glimpse of Teacher-Parents Meet Interaction

Department of Information Technology organized Parents- teachers meet on 26th February 2024. The aim of the meeting was to clear the doubts of parents & students regarding academics, examinations and Placement. The Meeting was conducted on Offline Mode. The meet was attended by 50+ parents and teachers. For this meeting, Dr. S. R. Devane (Principal) Dr. V. M. Birari (Vice Principal, MVPS's KBT COE Nashik), Dr. S. A. Talekar (HoD, IT), Dr. D.D. Lokhande (Education Officer), Mr. M. N. Adake(Training & Placement officer), Prof. B. N. Shinde (College Examination Officer), all faculty and parents of the student were present for the meet.

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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. Dr. S. R. Devane guided the parents regarding the initiatives taken by the institute & management. Dr V. M. Birari welcomed the parents and share the planed of the institute plans of the current academic semester and clears all the doubts of all parents. Department IQAC coordinator Dr. S P Jadhav explained the teaching process of department in the current semester. He also talked about the certification courses and Internship. Afterward Institute Placement officer Mr. M. N. Adake& Department Placement coordinator Mr. N. S. Ujgare also discussed regarding student placement and cleared all the doubts coming from the parents. Mentor Coordinator Ms. R.R.Tajanpure explained the importance and effectiveness of the mentoring system. Lastly, Dr. S. A. Talekar proposed the vote of thanks.

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Session on Leadership and Personality Development: Team Building



Department of Information technology organized workshop on “Leadership and Personality Development” for Third year audit course – 6 and under this workshop one of the session on team building was conducted by Ms. Premlata Mishra, Director, Advent Tech. Pvt. Lmt., Nashik. The session was interactive and activity based. In the session she has covered different topics like, Group Dynamics, Managing Team Performance & Team Conflicts, how to build a good team? Teamwork & Team building Interpersonal skills. Total 66students from third year IT attended the session and it was very impactful and interesting.

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Poster Competition



Exciting update! Vaishnavi Patole and Pratiksha Bhamre outstanding student from S.E.I.T. have triumphed in the Poster Competition, securing the prestigious First Prize. Let's also extend our warm congratulations to Ms. Asmita Pawar, who demonstrated exceptional knowledge and clinched the Third Prize in the Quiz Competition. These impressive accomplishments unfolded amidst the Science Day festivities orchestrated by the Department of E &TC Engineering. Kudos on this remarkable achievement!

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Session on Leadership and Personality Development :

Personality Development

Department of Information technology organized workshop on “**Leadership and Personality Development**” for Third year audit course – 6 and under this workshop one of the session on team building was conducted by Ms. Rupa Shinde, Counselor ,MVPS’s KBTCOE., Nashik. The session was interactive and activity based. In the session she has covered different topics like How to Change Our Character, Influence of Thought, Take the Whole Responsibility on Yourself, Self-analysis, Goal setting: Wish List, SMART Goals, Blueprint for success, Short Term, Long Term, Lifetime Goals. Confidence Building etc. Total 60 students from third year IT attended the session and it was very impactful and interesting.

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Industry Visit Report at "Sivananda Electronics, Nashik"



Miss. Mansi Gaikar (Sivananda Electronics,

On February 23rd, 2024, the Department of Information Technology organized an Industry Visit Report at "Sivananda Electronics, Nashik". This visit's goals are to raise awareness of the working environment, Working Methods, Employment practices of Industry. To experience the working environment of the Industry and to establish a link between theories taught in a classroom and actual practical concepts. 53 Information Technology students and two faculties visited to "Sivananda Electronics". Miss Mansi Gaikar shown different Electrical testing and measuring instruments like **Multi meter, Clamp Meter, Insulation Tester, etc.** Madam explained product working on ATmega16L. The ATmega16L is a microcontroller from Atmel, which is now part of Microchip Technology. It belongs to the AVR family of microcontrollers and is widely used in various embedded systems and projects due to its features, capabilities, and ease of programming.

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Expert Talk on "Keyframe-Graphics Programming Using OPENGL"



Mr. Mayur Tadekar (AstoMedComp) guiding the students during the session.

Department of Information Technology organized expert talk on “Keyframe-Graphics Programming Using OPENGL” on 11th February 2024 for Second Year IT students. Mr. Mayur Tadekar (AstoMedComp) was invited as a resource person for this expert talk. Firstly he gave brief introduction about OpenGL its software interface, different computer graphics libraries. In the expert talk, he shared valuable knowledge regarding Creating animations using Transformations in OpenGL. SE IT students took the benefits of this expert talk.

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Employability skill program



M. R. Jaykar Employability Skill Programme photo

Department of Information Technology head Dr. S. A. Talekar has been invited as a resource person in the M. R. Jaykar employability skill program, which is sponsored by Savitribai Phule University. In this program, Sir guides students about searching for data over the internet & information cyber security.

There are different Internet data search engines for security researchers, like Criminal IP, Shodan, ZoomEye, Censys, GreyNoise, and Security Trails. Sir, give detailed knowledge about this tool. Sir also solved different doubts about the tools.

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NSS River Conservation and Sanitation Drive



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Department of Information Technology Three NSS Volunteers from KBCOE were selected for One day workshop under the initiative "River Conservation and Sanitation" which was held on 7th March 2024 by Kr. V. N. Naik Shikshan Prasarak Sanstha's Arts, Commerce & Science College, Nashik.

During this one day cleanliness drive, all the volunteers from different colleges gathered together at 7:30 in the Morning and everyone contributed their best to clean the Godavari River. River Conservation Poster Competition was also held the same day. Various students from respective colleges had made the hand-made posters and have explained them with the appeal for saving the rivers from getting polluted.

Our College volunteers also participated in this inter-college poster presentation competition by making two posters on the topic "Save River For The Future" and secured First Rank in it.

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Expert Talk on “Essential Cyber Security Practices in Software Engineering”



Department of Information Technology organized expert talk on “**Essential Cyber Security Practices in Software Engineering**” on 15th March 2024 for SE IT students. The distinguished resource person for the session was Prof. Ulape Deepak from Sanjay Ghodawat University, Kolhapur. With his extensive expertise in the realm of cyber security, Prof. Deepak delivered a comprehensive discourse on the fundamental principles. The expert talk provided invaluable insights into the ever-evolving landscape of cyber security, equipping SE IT students with the knowledge and skills necessary to identify vulnerabilities. Prof. Deepak elucidated on various strategies and techniques aimed at fortifying software engineering practices against potential cyber-attacks, emphasizing the significance of proactive measures in ensuring robust security frameworks.

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Expert Talk on "AI Revolution: Transforming Education and Research"



Dr.V.R.Sonawane delivered session on "AI Revolution at SNDCOE&RC, Yeola.

Dr. V.R. Sonawane conducted a session at SND College of Engineering and Research Center, Yeola on April 10, 2024. The focus was on how AI is changing education and research. Dr. Sonawane explained how AI can personalize learning and speed up research. He showed examples of AI tools already helping in classrooms and labs. Students and faculty discussed how AI can shape the future of learning and discovery. Dr V.R Sonawane stressed the importance of using AI responsibly and ethically. The session sparked ideas on integrating AI into education and boosting research efforts. It left attendees excited about the possibilities AI brings to education and research.

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Competition Held at SNJB "SHODH 2K24"



First in Shodh 2K24 at SNJB's Late Sau.K.B. Jain College Of Engineering,Chandwad

On April 6th 2024, SNJB's Late Sau. K. B. Jain College Of Engineering, Chandwad organized a competition entitled " Shodh 2K24 – 5Th National Level Project Competition" . In this competition, our project group entitled "Empower HER-Women Safety Solution" has Participated. Our group had four members

1. Poorvita Bakliwal
2. Ashwini Fegade,
3. Shubham Rajput,
4. Manish Helte.

We represented our project having various features like sos, healer's community, Camera Module, Danger zone alert and electric shock module. We won first Prize in this competition and our experience of participating to this competition was really good.

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Two Days Workshop on "Hackshield: Journey into Cyber Security"



Mr. Tanmay Dixit, Cyber Expert, Cyber Sanskarguiding students of IT department

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The Department of Information Technology and ISTE student branch of MVPS's KBT College of Engineering, Nashik, in association with Cyber Sanskar organized 2 days workshop on "Hackshield: Journey into Cyber Security" on 19th and 20th April, 2024. The workshop covers topics like Basics of cyber security, Google dorking, Cyber Forensics Basics, OSNIT Tools & Techniques, Social Media Hacking and Social media crime investigation and Bug Bounty. The workshop was conducted by Mr. Tanmay Dixit, Cyber Expert, Cyber Sanskar. Speakers shared their valuable knowledge regarding topic and shown demonstration of different Cyber Security tools. 23 participants from third year took the benefit of this workshop.

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Expert Talk on "Intellectual Property Rights and Regulatory Affairs"



On April 6th 2024, the Department of Information Technology organized an expert session for second-year IT students titled " Intellectual Property Rights and Regulatory Affairs." For this expert talk, Dr. Mrudula Bele, Associate Professor , MVP's College of Pharmacy ,Nashik was invited as a resource person. She explained IP rights, Different types and categories of IP. Additionally, she also explained the intellectual property system needs to balance the rights and interests of different groups: of creators and consumers; of businesses and their competitors; of high- and low-income countries.. Students studying SEIT benefited from this expert discussion.