

BITS & BYTES

2024-25

**EVENTS,
WORKSHOPS & TRAININGS**

**INDUSTRIAL
COLLABORATIONS**

**STUDENT
PROFESSIONAL
ASSOCIATIONS**

INTERNSHIPS

ACHIEVEMENTS

**ACADEMIC
INITIATIVES**

**STUDENT
ARTICLES**

**DEPARTMENT OF
INFORMATION
TECHNOLOGY**

APSIT



(NBA ACCREDITED)

Editorial



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Magazine Editor



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Magazine Co-Editor



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Graphic Designer



Umesh Udayar
Art Director

Principal's Desk



Dr. Uttam D. Kolekar
Principal

PhD (Electronics and Telecommunication Engineering)

I am delighted to announce the release of our institute's Department of Information Technology magazine, "Bits & Bytes," now in its seventh consecutive year. This publication is dedicated to realizing our primary vision: transforming students into globally competent IT professionals.

"Bits & Bytes" serves as an inspiration for both students and faculty to remain ambitious and aim for higher goals. By showcasing the achievements and innovations within our department, the magazine highlights the continuous pursuit of excellence that defines our community. We eagerly anticipate the successful journeys of our young aspiring engineers as they embark on their professional paths.

The dedicated efforts of the Editorial Board in producing this magazine are highly commendable. Their hard work and commitment have resulted in a publication that truly reflects the dynamic and forward-thinking nature of our department. I extend my heartfelt congratulations to the students and faculty on their accomplishments and wish them the best in their future endeavors.

We invite you to explore the latest edition of "Bits & Bytes" and join us in celebrating the achievements and aspirations of our vibrant IT community. Together, we look forward to a future filled with innovation, excellence, and success.

- Dr. Uttam D. Kolekar
Principal



Dr. Kiran Deshpande
HOD,
Department of Information Technology

With great pride, we present the latest edition of our IT Department magazine, "Bits & Bytes," highlighting the remarkable achievements of our students and faculty during the 2023-2024 academic year. Our students have made excellent use of academic initiatives, industry collaborations, and internships to enhance their skills. Their innovation is evident through notable successes like earning recognition in the IBM Hack Challenge 2023 and registering 11 copyrights for their BE projects.

Alongside technical excellence, we remain committed to nurturing moral values, ensuring our graduates are both skilled professionals and responsible citizens. The strong bond between students and faculty drives our department's progress and success.

I sincerely congratulate the Editorial Team for their dedication in bringing this edition to life and wish them continued success. We invite you to explore "Bits & Bytes" and celebrate our community's accomplishments as we move forward with confidence and inspiration.

- Dr. Kiran Deshpande
HOD,
Department of Information Technology.

INSTITUTE'S

VISION

APSIT aspires to be a premier institute producing globally competent engineering professionals to contribute towards socio-economic growth of India.

MISSION

To provide conducive and collaborative environment to meet contemporary & future Engineering challenges by project based and value-added education with the support of trained faculty.

DEPARTMENT'S

VISION

To be a prime center of excellence by transforming students into globally competent IT Professionals.

MISSION

M1: To develop, support and maintain state-of-art infrastructure to serve as a potent resource hub for the IT industries.

M2: To inculcate the problem solving, analytical, logical skills and to promote the culture of creativity and innovation among the students.

M3: To adapt with the transformation of the technology emphasizing on interdisciplinary studies, exposure to emerging technologies and imbibing high standards of professional ethics and social responsibilities in all endeavors.

Department Program Educational Objectives

PEO 1 PREPARATION: To make students competent for higher studies and employable, to meet industrial requirements.

PEO 2 CORE COMPETENCE: To develop students having core competence in science, mathematics and fundamentals of Information Technology to address everchanging industrial requirements globally.

PEO 3 BREADTH: To create academically conducive environment to learn engineering skills in the domains such as Database, Data Analytics, Application Development and Allied Technologies.

PEO 4 PROFESSIONALISM: To enrich students with professional ethics, leadership qualities, and entrepreneurial skills.

PEO 5 LIFE LONG LEARNING: An ability to engage in lifelong learning for effective adaptation to technological developments.

Department Program Specific Outcomes

Program Specific Outcomes

PSO1 To use modern computer languages, environments and platforms in creating innovative Carrier paths in the areas of database, data analysis and application development.

PSO2 To apply theoretical foundations of Information technology in developing solutions for engineering problems that meet automation needs of industry and society.

PSO3 To design and implement efficient real-time solutions using evolving knowledge of information technology by demonstrating the practices of professional ethics and the concern for societal and environment well being.



Department Infrastructure

Academic Infrastructure

- Air-Conditioned Classrooms and Tutorial Rooms equipped with touch interactive projection system
- Well-equipped Air-Conditioned Laboratories connected to Centralized Server Room.
- Media-Equipped Air -Conditioned Seminar hall.
- Online Departmental Library Management System.

Computational Facility

- Number of Computational Nodes available in Department: 300
- Number of Blade Server Systems: 05
- PC to Student ratio: 1:1.
- Dedicated leased line of Internet
- Wi-Fi Access & CCTV Surveillance.
- NVIDIA DGX workstation for AI & Data Science research.
- iOS Lab for cross platform application development

Highlights

- Use & accessibility of remote servers during laboratory sessions.
- E-Learning Facility with Moodle.
- Online Tests for Self Assessment.
- Virtual Classroom & Web Conferencing facility for Query Sessions.
- Authentication based Internet access and printing facility for students.
- Cloud Storage for Students.
- Online Lab assignments submission & assessment with feedback. (E-assessment).
- Online Academic Feedback Facility for Students.
- Lab availability for students after academic hours.
- Expert Talks, Value addition Programs & Project Based Learning.
- Student Technical Clubs like Cybersecurity, AI & ML, DevOps for collaborative learning.
- Online Mentoring Portal.
- Free GATE, GRE and Pre-Placement Training.
- E-books through Pearson, Tata Mcgraw Hill, Online Library.



Student Achievement

Results for A.Y. 2024-25

ODD Semester

SE IT

Name	CGPA
KAJARE SAHIL	10
PANDHARE BHUMIKA	10
MANE HRUGVEDA	10
SAHU RUDRANARAYAN	9.87
SHAIKH ISMAEEL	9.87

TE IT

Name	CGPA
SADALGEKAR CHINMAYEE	10
SAWANT OMKAR	10
WALKE PAWAN	10
CHALKE MAITHILI	9.87
PATIL SANIKA	9.87

BE IT

Name	CGPA
PANDEY ADARSH	9.86
YUKTI OGARE	9.73
JOSHI MRUNMAYI	9.73
GOLE MANJIRI	9.59
BHAVSAR PRAKRUTI	9.45

Results for A.Y. 2024-25

EVEN Semester

SE IT

Name	CGPA
MANE HRUGVEDA: 10	10
SAHU RUDRANARAYAN: 10	10
BOREKAR VAIDEHI -9.97	9.97
PANDHARE BHUMIKA: 9.97	9.87
CHAVAN ADITYA: 9.87	9.87
VARKUTE DEEP: 9.87	9.87

TE IT

Name	CGPA
MISHRA MAYANK: 10	10
SAWANT OMKAR: 10	10
WALKE PAWAN: 10	10
CHANDGAONKAR OMKAR: 9.86	9.86
MADIWAL VIJAY: 9.86	9.86

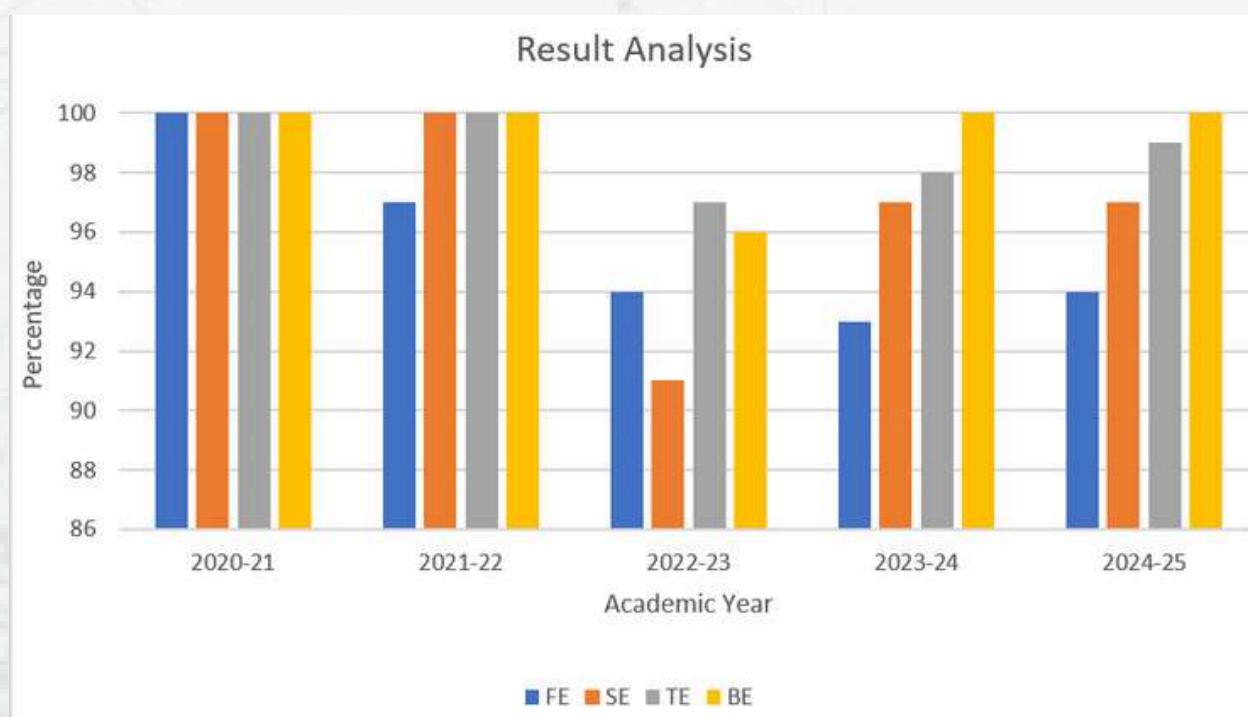
BE IT

Name	CGPA
SHAH ABDUL HADI	9.85
PATEL RIYA	9.70
MESTA SUMIT	9.55
PANDEY ANSHIKA	9.55
JOSHI MRUNMAYI	9.55

Result Analysis

As a premium institute we are providing our students with complete ecosystem for their overall development. Along with this we keep on enhancing the teaching learning processes continuously by bringing in latest technology and trends. This all can be realized through excellent performance by our students in university examination.

Academic Year	Study Year			
	FE	SE	TE	BE
2020-21	100%	100%	100%	100%
2021-22	97%	100%	100%	100%
2022-23	94%	91%	97%	96%
2023-24	93%	97%	98%	100%
2024-25	94%	97%	99%	100%



Testimony

Any department is said to thrive when the faculty and the students produce results that are visible. We honor the academic achievements of students, who have excelled in their endeavors and we are immensely proud of their success. This has been possible because of smart, innovative teaching methodologies augmented with time intensive planning & efforts put in by Faculties & students.

- Dr. Sonia Aneesh, Exam Coordinator.

Technical

(Course Completion Statistics through Industrial Collaborations)

Red Hat Academy

Course name

- Introduction to Openshift Application
- Redhat Openshift-I Container & Kubernetes
- Red Hat Open Stack Administration (CL110)

Course Completion Statistics

147

109

81

Oracle Academy

Course Name

- Java Foundation
- Database Foundation

Course Completion Statistics

115

150

Cisco Networking Academy

Course name

- CPA: Programming Essentials in C++
- Cyber Security Essential
- CCNA: Introduction to Networks
- Linux Essentials
- Python Essentials-2
- Introduction to IoT and Digital Transformation
- Ethical Hacker

Course Completion Statistics

94

45

111

115

148

117

103

Technical

(Course Completion Statistics through Industrial Collaborations)

IBM cognitive class

Course name

- Build your own chatbot
- Accessing Hadoop Data Using Hive
- Data Analysis with Python
- Build an IoT Blockchain Network for a Supply Chain
- Spark Fundamentals I & II

Course Completion Statistics

51
105
85
120
110

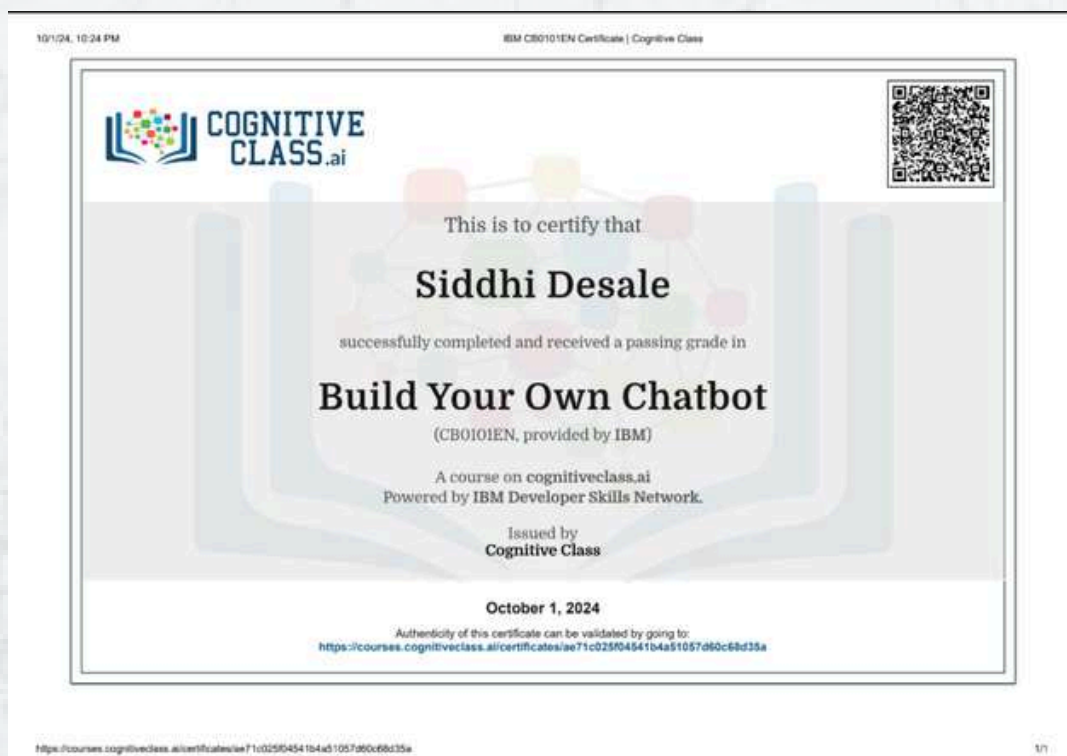
HackerRank

Course Name

- Problem Solving Basic Course

Course Completion Statistics

57



Technical

Research Publications

To inculcate research culture among-est students, Department has develop ecosystem to ensure publication of their BE project work in reputed International conference and Journals

Paper Tittle	Team Member	Name of Conference
Medilink: AI and Blockchain Based Comprehensive Webframework for Maintaining Health Records	Atharva Makode Yash Kasar Yatish Gharat Yuvraj Gage	Scopus
Modelling Comprehensive Webframework for Enhancing Administrative Efficiency in An Educational Institute	Praniv Prabhu Warungshe Siddhi Sandip Desale Sushant Sunil Mhatre	Scopus
MindMetrics: Advanced Mental Health Diagnosis and Tailored Recommendations through Multimodal AI	Karan Rajkumar Jain Yash Prakash Jain Urvi Ajay Joshi Swapnil Mandar Joshi	Scopus
EduFlex: ML Driven Crossplatform Application for Displaying and Acknowledging Students's Achievements	Sumit Ganesh Mesta Sankalp Sanjay Gunjal Siddhart Deepak Devre Soham Mahendra Dalvi	Scopus
ProjectSpace: A Comprehensive Webframework to Manage Academic Projects by using Genetic Algorithms and Machine Learning	Prakruti Hiren Bhavsar Payal Ramesh Gupta Akanksha Pandurang Bhoir Nimisha Giridhar Idekar	Scopus
Elderly: Developing Cross Platform Application for Addressing Requirements of Senior Citizens	Vedanti Sanjay Nandvikar Ishaan Jambhekar Janhvi Koske	Scopus
AarogyaMarg: ML-Driven Application for Improved Healthcare Access and Experience	Kaushik Rajesh Prabhu Nerurkar Amogh Mahesh Parulekar Riya Ashokbhai Patel Ajit Ashok Pawar	Scopus

Technical

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Paper Tittle	Team Member	Name of Conference
Smart Diagnosis : A Machine Learning-Driven Web Framework for Enhanced Diagnosis of ADHD	Aditya Bharat Ellhe Avisha Rajesh Shah Jash Kalpesh Mehta	Scopus
Designing and Developing Comprehensive Framework with Improved Insights for Optimizing Talent Acquisition Process of Engineering Graduates	Anurag Dilip Sawant Abdul Hadi Khalid Shah Shravandeep V Yadav	Scopus
ElevateEats: ML- Based Food Ordering System For Health-Conscious Diners	Sujal Ashok Sharma Mayur Manohar Parab Shubham Santosh Yadav Ankul Vijendra Yadav Vedangi Patil	Scopus
Orchestrating Use of ML for Developing Data-Driven Training and Placement Management System.	Pratik Sanjay Rajvir Siddhesh M Pednekar Sanika Samir Yadhikar	Scopus
SpeakFree: An AI Based Application for People with Speech Impairments	Adarsh Vimlesh Pandey Anshika Vijay Pandey Yukti Kailash Ogare	Scopus
HappyMind : An Advanced and Insightful E-Learning Platform to Address the Needs of students with Autism	Ashwini laxman Nipurte Chinmay Patil Sejal Otavkar Darshan Ramesh patil	Scopus
Blockchain-Enabled Smart EV Charging Framework for Commuters	Amitesh Singh Yadav Yash Vitthal Patil Nihal Santosh Singh Sarvesh Suhas Takle Miheet Nilesh Shah	Scopus
DermiQ: An Intelligent Skin Disease Detection System using Machine Learning	Shrushti Devendra Patil Tanmay Sunil Patil Muskan Brijesh Singh	Scopus

Student Achievement

19th Aavishkar Research Convention, contributing to various innovative projects across multiple domains. Their enthusiastic involvement showcased their research aptitude, creativity, and collaborative spirit throughout the event.

Participated Students Bhavsar Prakruti, Gupta Payal, Apte Yash, Chalke Maitali, Bhoir Akanksha, Chandgaonkar Omkar, Idekar Nimisha, Kotian Jitesh, Joshi Urvi, Shah Abdul Hadi, Yadav Shravandeep, Jain Karan, Jain Yash, Joshi Swapnil, PrabhuNerurkar Kaushik, Deore Pooja, Sawant Anurag, Wagh Rutuja, Kothawala Kashish, Ananya Mishra



Student Achievement

Student Participation

- Mayank Mishra
- Anurag Sawant, Abdul Shah
- Chirag Malde
- Pranav Jadhav
- Shrey Nagda
- Bharatkumar M G

Name of Event

AI Agent Hackathon with IBM watsonx
Hackoverflow 3.0
Technoscript 2025
HackConquest Hackathon
Hackcelestial 1.0 Tech Alegria 2024
SQL Mastery Bootcamp



Student Achievement

Third year student, Mr. Bhavesh Marathe cracked GATE 2025 and secured AIR 12813 in Computer Science & Information Technology.



Final year student, Mr. Swapnil Joshi cracked GATE 2025 and secured AIR 9572 in Data Science & Artificial Intelligence



Student Achievement

Shreyash Narvekar secured 2nd position in Redhat India Final Challenge Contest held on 14th September 2024 hosted by Red hat Academy Partner Bhagyashree IT solutions.



Bhavika Band secured 2nd position in Innovations in AI Category at Hackscript 6.0, a National Level Hackathon organized by A. P. Shah Institute of technology.



Student Achievement

Swapnil Joshi, Alok Sahoo, Aptab Shaikh, Ismaeel Shaikh, Jigyasa Singh, Shweta Wadkar, Siddhi Thanekar, Vaibhavi Naik, Arsh Siddique, Shubham Pawaskar, Shreyash Narvekar, Amit Rajagore secured Elite class in various NPTEL courses.



Prof. Sonia Aneesh, Karan Jain, Hrugveda Mane, Mayanak Mishra, Bhavesh Marathe & Dhruv Mahayavanshi secured Silver +Elite class in various NPTEL courses.



Student Achievement

Mayur Parab secured an impressive Third Place in the Inter-Zonal (State Level) Badminton Tournament (Team-Men) 2024-25, organized by the University of Mumbai.



Student Achievement

Student team with members Shivani Zagade, Manas Tare, Adarsh Pandey, Vedangi Patil, Kaushik Prabhunerurkar and Amogh Parulekar with mentor Prof. Charul Singh of Department of Information Technology was runner up in Smart India Hackathon (SIH) 2024.



Student Achievement

Students from Information Technology have completed Zscaler Zero Trust Associate certification offered by Zscaler Academy, 2024.



PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY



Congratulations

**For Successfully Completing Prestigious IT Certification
Zscaler Zero Trust Associate offered by**



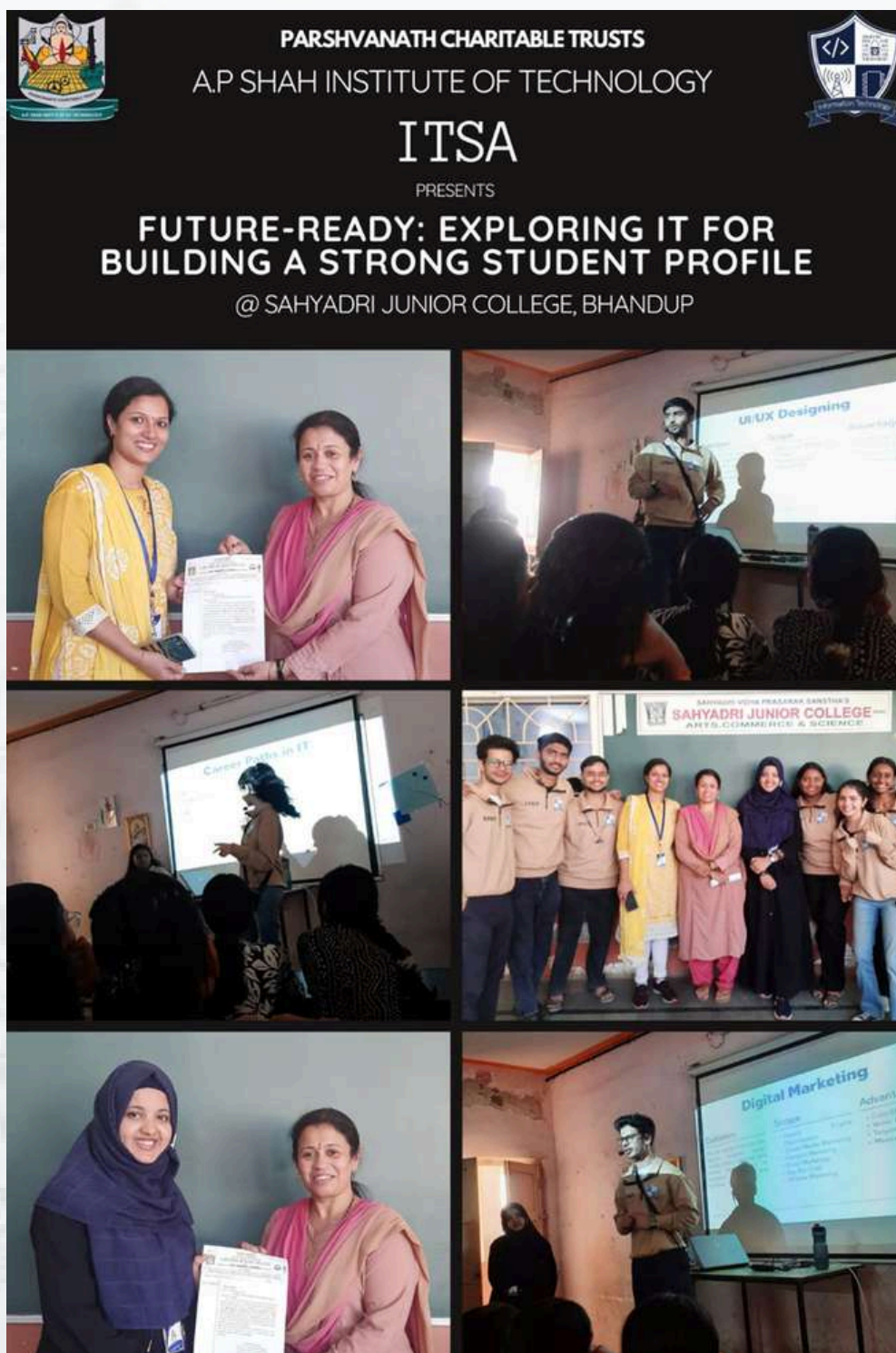
Student Achievement

Shreyas Narvekar has been appointed as the Student Ambassador of Red Hat Academy. He takes over the esteemed responsibility from Bharat Sharma Sharma, the previous Student Ambassador.



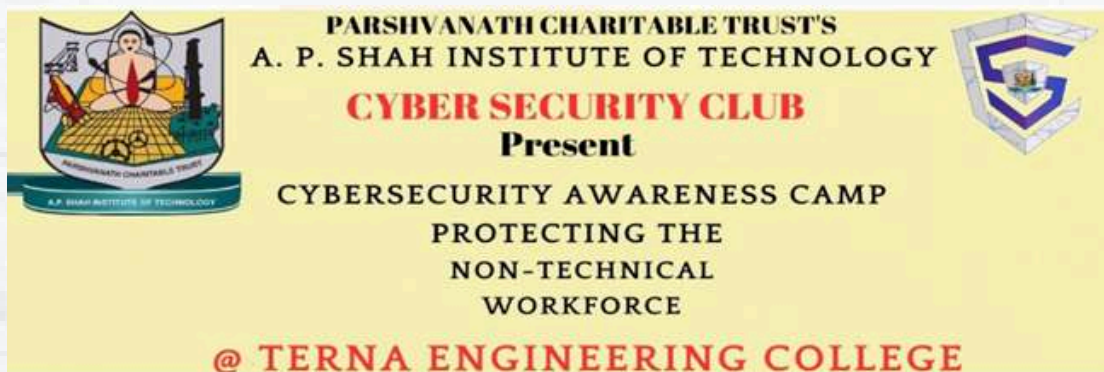
Student Achievement

ITSA organized a Social Event "Future-Ready : Exploring IT for building a strong student profile " at Sahyadri Junior College of Arts, Commerce & Science, Bhandup on 7th February 2025 to educate commerce sector students about various aspects and opportunities about IT .



Student Achievement

Cybersecurity Club organized a Social Outreach Program "Cybersecurity Awareness: Protecting the Non-Technical Workforce" at Terna College of Engineering, Nerul on 29 January 2025 to educate non-technical staff about cyber threats, online scams, and best security practices, empowering them to stay safe in the digital world.



Ojus 2025: Annual Sports Meet

Boys Singles and Doubles

Players

- Mohit Mekalu (Carrom singles)
- Mayur Parab (Badminton singles)
- Mayur Parab, Aniruddha patre (Badminton doubles)

Result

Winner
Winner
Winner

Girls Singles and Doubles

Players

- Shruti Thakur (chees)
- Shweta Bhutada (Table tennis double)
- Shravani Sawant (Table tennis double)
- Shravani Sawant (Table tennis singles)

Result

Runner up
Winner
Winner
Winner

Outdoor Sports

Players

- Box Cricket (Girls)
- Monsoon tournament box cricket (Girls)
- Dodge Ball Girls
- Tug of war (Boys)
- Box cricket Boys
- Tug of War (Girls)
- OVERARM Cricket (Boys)
- Volleyball (Boys)

Result

Winner
Winner
Winner
Winner
Winner
Winner
Winner
Runners up

Department Trophy Winner













Faculty Achievement





Dr. Uttam Kolekar

Dr. Uttam Kolekar was honored with Principal Excellence Award-2024 (Western Zone) and Best Outreach & Brand Promotion Award – 2024 for AICTE internship.



Dr. Kiran Deshpande





Mr. Ganesh Gourshete

Mr. Ganesh Gourshete was awarded with the Educator Excellence Award - 2024 (Western Zone) for AICTE AWS Virtual Internship.



Ms. Sonia Aneesh

Ms. Sonia Aneesh was awarded with the Educator Excellence Award - 2024 (Western Zone) for AICTE AWS Virtual Internship.





Ms. Yamini Patil

Ms. Yamini Patil was awarded with the Educator Excellence Award - 2024 (Western Zone) for AICTE Google for Developer Virtual Internship.



Ms. Geetanjali Kalme

Ms. Geetanjali Kalme was awarded with the Educator Excellence Award - 2024 (Western Zone) for AICTE Celonis Virtual Internship.



Technical



Dr. Sameer Nanivadekar

Dr. Sameer Nanivadekar has been given charge of IEEE Bombay Section Interim Chair. IEEE is one of the largest professional organisation dedicated to advancing technology for benefit of humanity.



Ms. Sonal Balpande

aws  certified

Sonal Balpande

AWS Certified Solutions Architect - Associate



VALIDATION NUMBER: f054e3e198ef4a09b62a4d0f02f9c78c

VALIDATE AT: <https://aws.amazon.com/verification>

Issue Date: December 8, 2024

Expiration Date: December 8, 2027

Technical



Mr. Vishal Badgujar

Mr. Vishal Badgujar successfully published a utility patent entitled “Risk Level Analysis For AI Based Open Source Architecture”



Ms. Manjusha Kashilkar

- Ms. Manjusha Kashilkar successfully published a Software patent entitled “A Deep Learning Based an Autonomous Waste Segregation Humanoid Sorter System”.
- Ms. Manjusha Kashilkar has contributed as an Author for the Book entitled “ MASTERING NETWROK SECURITY ADVANCED TECHNIQUES AND TECHNOLOGIES “ published in Scicrafthub International Publication.



Department of Information Technology

PATENT PUBLISHED



Mr. Vishal Badgujar
Assistant Professor-IT, APSIT
Published Utility Patent

Ms. Manjusha Kashilkar
Assistant Professor-IT, APSIT
Published Software Patent

Technical

Research Publications

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DermiQ: An Intelligent Skin Disease Detection System using Machine Learning	Ms. Geetanjali Kalme	Scopus
VSecureSphere: Developing Virtual Lab for Simulating Safe Enviornment for Multiple Cyber Attacks Patterns	Mr. Vishal Badgujar & Ms. Sneha Dalvi	Scopus



PROFESSIONAL STUDENT ASSOCIATIONS

CSI

Computer Society of India



Throughout the academic year, the A. P. Shah Institute of Technology has been a hub of innovation and learning, hosting a series of dynamic events organized by the esteemed Computer Society of India (CSI). These events have not only enriched the educational experience of students but also reinforced the institute's commitment to fostering a culture of excellence in technology and beyond.

The CSI events at A. P. Shah Institute of Technology serve as catalysts for exploration and discovery across a spectrum of technological disciplines. Each event is meticulously curated to provide students with opportunities to engage, learn, and excel in their chosen fields, while also encouraging interdisciplinary collaboration and professional growth.

One of the hallmarks of CSI events at A. P. Shah Institute of Technology is their diversity in content and focus. From technical workshops on software development, cybersecurity, and data analytics to seminars on emerging trends like artificial intelligence and blockchain, these events cater to a wide range of interests and career aspirations among students.

CSI

Computer Society of India



Sr. No.	Title of Expert Talk	Date
1	Eduskills Google Android Tech Camp	22/07/2024 to 24/07/2024
2	Aavishkar Research Convention: A Platform for Young Researchers	29/07/2024
3	Crack the Drive: Tips and Tricks For placement Success"	08/08/2024
4	Optimize your skills and shine in interviews"by Tanay Jain	09/08/2024
5	How to prepare for Aptitude Test of KPMG Placement Drive"	09/08/2024
6	Empower Your Future: Strategic Career Planning" by Sheedhar Joshi	21/08/2024
7	Latex Essentials	25/09/2024
8	Elevate your JAVA Skills:OOP Techniques & JDBC Mastery	02/10/2024
9	Intellectual property Simplified: A guide to Patents and Copyrights	10/01/2025
10	Research paper mastery: Art of Writing reserach papers with impact	10/01/2025
11	Google AIML tech camp	13/01/2025 to 15/01/2025

CSI

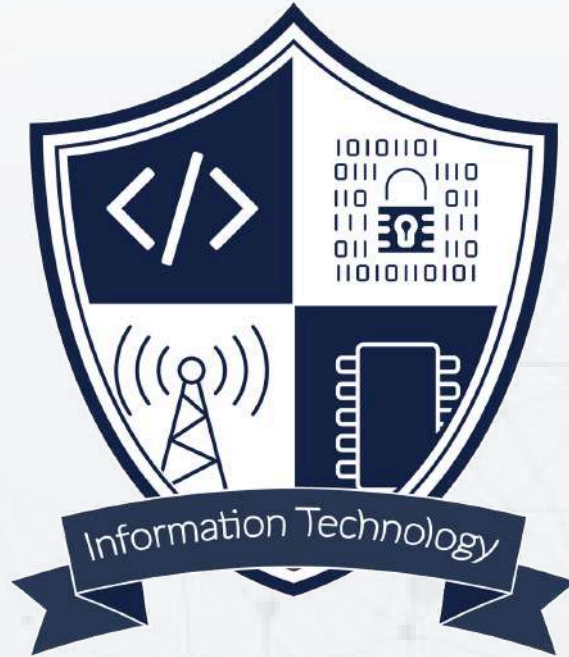
Computer Society of India



Sr. No.	Title of Expert Talk	Date
1	Cybersecurity Awareness	08/01/2025
2	Elevate and Excel: How to make it big in IT	20/01/2025
3	Aptitude Training TE IT batch 2026	20-01-2025 to 24-01-2025
4	Aptitude Training SE IT batch 2027	20-01-2025 to 24-01-2025
5	Uncover key strategies and insights to empower your GRE Success	11/02/2025
6	GATEway to Success" Session	27/02/2025
7	AI driven Ideathon	01/03/2025
8	Dissecting and Embedded system	04/03/2025
9	Enterprise Grade Linux Deployment: Architecting scalable network installation with DHCP, TFTP and secure repository management	11/03/2025
10	Python for Data Analytics	18/03/2025
11	Advanced Scheduling Algorithms for Operating System	19/03/2025

ITSA

IT Students Association



The IT Student Association (ITSA) at APSIT recently hosted a series of impactful events aimed at nurturing entrepreneurial spirit among students. Harsh Mavadiya, founder of ByExpertise and a distinguished SE-IT student, led a session focused on effectively proposing and developing business ideas. Harsh's practical examples and emphasis on innovation as a driver for startups resonated well with attendees from both IT and mechanical departments, who actively participated in pitching their concepts.

Following this, ITSA introduced the Business Month initiative, comprising sessions on idea proposal, entrepreneurial mindset development, and a final pitch event. The PitchFest, held on March 10th and 17th, showcased diverse student teams presenting before a review panel including Dr. Sameer Nanivadekar, Dr. Kiran Deshpande, and other esteemed faculty members. Their insightful feedback and guidance helped refine student proposals, with Aryan Kumar from TE-Computer department winning first prize for his functional concept.

ITSA

IT Students Association



Sr. No.	Title of Expert Talk	Speaker	Date
1	GUI Quest-JAVA Edition: Unleash the Power of Intuitive Interface Design	Omkar chandgaonkar & Aditya chaudhari	03/09/2024
2		Varad mahale & Pritam ninganaik	04/09/2024
3		Dhruv mahyavanshi & Mayank mishra	23/09/2025
4	Web Flow-GUI Essentials: Harness the Potential of Intuitive Interface	Shreyash pawar & bharat sharma	03/09/2024
5		Soham dalvi & sumit mesta	04/09/2024
6		Shivani zagade & vedang patil	23/09/2025
7	Engineer's Charades: Draw & Decode	Chinmayee sadalgekar & ojas patrikar	25/09/2024

ITSA

IT Students Association

Sr. No.	Title of Expert Talk	Speaker	Date
1	Python to Pro: From Basics to Web Mastery	Ananya mishra & kirti more	03/02/2025
2		Maithali chalke & Abhishek kumbhar	04/02/2025
3		Harshal sakpal & Rahul sharma	05/02/2025
4	Bridging the Gap: UI, Data & ML	Riya patel & ammar nagarji	04/02/2025
5		Bharat sharma & shreyash pawar	06/02/2025
6		Anshika pandey & Manas tare	06/02/2025
7	AI-ML Data Cleaning and Preprocessing	Ananya mishra & yash apte	10/03/2025
8	Explore Encryption and Decryption Techniques for Data Security	Ananya mishra & yash apte	10/03/2025
9	JAVA Bootcamp	Ammar nagarji	11/03/2025
10	Web Development Bootcamp	Amit Rajegore & Omkar sawant	12/03/2025
11	SoftSkills Essentials:A Young Mind's Guide to Life	Dhruvil panchal	17/03/2025

CLUBS

APSIT's DevOps Club



DevOps club serves as a hub of innovation and collaboration, embodying the very essence of modern software development practices. DevOps isn't merely a methodology; it's a transformative approach that unifies development and operations, forging a path towards seamless integration and uninterrupted delivery. Through a series of hands-on workshops and expert talk sessions, we empower our members with practical skills and profound knowledge. These interactive sessions provide a unique opportunity to dive deep into the latest tools and methodologies that drive the DevOps revolution. By embracing automation, continuous monitoring, and iterative improvements, we expedite the delivery of top-notch software while ensuring its reliability.

CLUBS

APSIT's DevOps Club

The speakers elaborated on the automation tools and practices crucial for streamlining tasks, enhancing efficiency, and minimizing errors in modern IT environments. The core focus of the webinar was the deployment of private clouds using Red Hat technologies. Students gained insights into Red Hat's solutions for building, managing, and scaling private cloud infrastructures, fostering a deeper understanding of cloud computing principles.

Sr. No.	Title of Expert Talk	Date
1	Exploring Linux From Basic to Command Line Mastery	13/03/2025
2	RHEL System Admin	28/02/2025
3	HacktoberFest	04/10/2024
4	Introduction to Devops	19/09/2024
5	Red Hat Linux Automation Using Ansible	09/08/2024



CLUBS

APSIT's Cybersecurity Club

Empowering Cyber Security Enthusiasts: The APSIT Cyber Security Students Expert Club

Cyber Security remains a dynamic frontier in Information Technology, with threats constantly evolving in the digital age. Hackers exploit vulnerabilities in individuals, governments, and corporations, making cybersecurity expertise invaluable. Recognizing this, APSIT has fostered a robust research culture through the Cyber Security Students Expert Club, encouraging students to explore this critical domain and interact with peers sharing similar interests.

The club recently hosted Ms. Shreya Bhutada, an APSIT alumna pursuing MS in Cybersecurity Risk Management at Indiana University Bloomington. Her insights underscored the global demand for cyber security professionals across sectors like banking, government, and retail. Additionally, Mr. Swapnil Bodekar, Product Security Associate at SAP Lab India, conducted a workshop on system defense strategies, emphasizing tools like Burp Suite and ZAP for vulnerability testing.

Furthermore, Mr. Bhaktij Koli, a Full Stack Developer, introduced open-source security tools and Mr. Yash Umredkar discussed social engineering attacks. The club also organized a webinar on next-gen firewalls with industry experts from Palo Alto Networks, highlighting career opportunities and certifications like PCCET aligned with cybersecurity frameworks.

APSIT's Cyber Security Students Expert Club equips students with practical skills and knowledge essential for thriving in the cybersecurity landscape, preparing them for impactful careers safeguarding digital infrastructures.

CLUBS

APSIT's Cybersecurity Club



Sr. No.	Expert Talk/Hand on Training	Date
1	Cyber Security Awareness Session	08-01-2025
2	Elevating Your Expertise to Cybersecurity & Ethical Hacking	04-09-2024
3	Digital Cyber Safety Poster Competition	12-03-2025
4	Cyber Security Awareness Program (Terra Engineering College)	29-01-2025
5	Cyber Security Awareness Program (Saket College)	24-09-2024

INTERNSHIPS

Internship Details of A.Y. 2024-25

Sr No	Student Name	Name of organization where internship is done	Starting Date	Ending Date
1	Sakshi Santosh Jagtap	Zummit Infolabs	08/12/2024	12/12/2024
2	Mayank Ashok Mishra	Bharat IC	01/06/2025	04/04/2025
3	Aditya Suresh Chaudhari	Blink Digital (India) Private Limited	20/05/2025	20/08/2025
4	Yash Mandar Apte	WealthEra FinTech Pvt Limited	12/01/2024	31/03/2025
5	Maithili Suresh Chalke	WealthEra FinTech Pvt Limited	12/01/2024	31/03/2025
6	Abhishek Sunil Kumar Kumbhar	Bharat IC	01/06/2025	04/04/2025
7	Zahra Feroz Surve	Boppo technologies	20/12/2024	10/02/2025
8	Swayam MukeshShah kumar	LearnWik solutions	06/05/2024	07/05/2024
9	Sanika Sanjay Urade	InLighnX Global Private Limited	25/07/2025	25/08/2025
10	Sagar Sankar Behera	Codify tech	29/05/2024	29/09/2024
11	Aditya Suresh Chaudhari	InLighnX Global Pvt. Ltd	25/06/2025	25/07/2025
12	Ritesh Zambare	NoviTech R&D Pvt Ltd	6 Apr 2025	7 Apr 2025
13	Rutuja Kiran Manore	RigelX Infotech Private Limited	06/04/2025	07/04/2025
14	Omkar Vilas Chandgaonkar	RigelX Infotech Private Limited	06/01/2025	07/07/2025
15	Pranav Tanaji Tanaji	RigelX Infotech Private Limited	06/01/2025	07/06/2025

Internship Details of

A.Y. 2024-25

Sr No	Student Name	Name of organization where internship is done	Starting Date	Ending Date
16	Rutuja Milind More	RigelX Infotech Private Limited	06/01/2025	07/01/2025
17	Kinjal Ashok Paradkar	RigelX Infotech Private Limited	06/02/2025	07/03/2025
18	Prasad Ravindra Kotian	RigelX Infotech Private Limited	06/04/2025	08/04/2025
19	Prabhat Deepak Mahadik	RigelX Infotech Private Limited	06/01/2025	07/01/2025
20	Raj Alpesh Mehta	RigelX Infotech Private Limited	06/02/2025	07/04/2025
21	Bhavesh Arjun Marathe	RigelX Infotech Private Limited	07/01/2025	07/03/2025
22	Anjali Lal Singh	RigelX Infotech Private Limited	06/01/2025	07/01/2025
23	Anubhav Bhupendra Singh	RigelX Infotech Private Limited	06/02/2025	07/03/2025
24	SANKET SHARNAPPA KURLE	RigelX Infotech Private Limited	06/01/2025	30/07/2025
25	Ananya Yogesh Mishra	RigelX Infotech Private Limited	06/01/2025	07/01/2025
26	Bhavesh Arjun Marathe	RigelX Infotech Private Limited	06/01/2025	07/01/2025
27	Soham Mahendra Dalvi	DSW	02/03/2025	31/07/2025
28	Shivani Zagade	DSW	02/03/2025	31/07/2025
29	Karan Jain	DSW	02/03/2025	31/07/2025
30	Sonal Mallah	DSW	02/03/2025	31/07/2025

Internship Details of A.Y. 2024-25



AICTE Virtual Internship Program

Completion Statistics (I Half A.Y. 2024-2025)

Cohort 9 (July- Sep 24)

Sr. No.	Domain	Industrial Collaboration	No. of Completion
1	Zscaler Zero Trust Cloud Security Virtual Internship	Zscaler Academy	45
2	Zscaler Networking Virtual Internship	Zscaler Academy	34
3	Web Full Stack Developer Virtual Internship	Google for Developer	5
4	Palo Alto Cybersecurity Virtual Internship	Palo Alto Networks Cybersecurity Academy	34
5	Microchip Embedded System Developer Virtual Internship	Microchip	2
6	Juniper Networking Virtual Internship	Juniper Networks Cloud and Automation Academy	2
7	Java Full Stack Developer Virtual Internship	Google for Developer	4
8	Google Cloud Generative-Ai Virtual Internship	Google for Developer	35
9	Google Android Developer Virtual Internship	Google for Developer	31
10	Google Ai-ML Virtual Internship	Google for Developer	57
11	Ethical Hacking Virtual Internship	Eduskills	9
12	AWS Data Engineering Virtual Internship	AWS Academy	20
13	Aws Cloud Virtual Internship	AWS Academy	11
14	Alteryx Data Analytics Process Automation Virtual Internship	Alteryx Academy	4

AICTE Virtual Internship Program

Completion Statistics (I Half A.Y. 2024-2025)

Cohort 10 (Oct-Dec 24)

Sr. No.	Domain	Industrial Collaboration	No. of Completion
1	Altair Data Science Master Virtual Internship	Altair	4
2	Aws Cloud Virtual Internship	AWS Academy	11
3	Aws Data Engineering Virtual Internship	AWS Academy	3
4	Celonis Business Analyst Virtual Internship	Celonis	15
5	Ethical Hacking Virtual Internship	EduSkills	34
6	Fortinet Network Security Associate Virtual Internship	Fortinet	7
7	Google AI-ML Virtual Internship	Google for Developers	33
8	Google Android Developer Virtual Internship	Google for Developers	34
9	Java Full Stack Developer Virtual Internship	EduSkills	26
10	Juniper Networking Cloud Virtual Internship	Juniper Networks Cloud and Automation Academy	3
11	Python Fullstack Developer Virtual Internship	EduSkills	10
12	Web Full Stack Developer Virtual Internship	EduSkills	46
13	Zscaler Networking Virtual Internship	Zscaler Academy	3
14	Zscaler Zero Trust Cloud Security Virtual Internship	Zscaler Academy	2

AICTE Virtual Internship Program

Completion Statistics (II Half A.Y. 2024-2025)

Cohort 11 (Jan-Mar 25)

Sr. No.	Domain	Industrial Collaboration	No. of Completion
1	ALTAIR DATA SCIENCE MASTER VIRTUAL INTERNSHIP	ALTAIR	6
2	AWS AI-ML VIRTUAL INTERNSHIP	AWS Academy	12
3	AWS CLOUD VIRTUAL INTERNSHIP	AWS Academy	7
4	AWS DATA ENGINEERING VIRTUAL INTERNSHIP	AWS Academy	2
5	CELONIS BUSINESS ANALYST VIRTUAL INTERNSHIP	Celonis	3
6	ETHICAL HACKING VIRTUAL INTERNSHIP	Eduskills Academy	4
7	FORTINET NETWORK SECURITY ASSOCIATE VIRTUAL INTERNSHIP	Fortinet	8
8	GOOGLE AI-ML VIRTUAL INTERNSHIP	Google	12
9	GOOGLE ANDROID DEVELOPER VIRTUAL INTERNSHIP	Google	11
10	GOOGLE CLOUD CYBERSECURITY VIRTUAL INTERNSHIP	Google	7
11	GOOGLE CLOUD GENERATIVE-AI VIRTUAL INTERNSHIP	Google	7
12	JAVA FULL STACK DEVELOPER VIRTUAL INTERNSHIP	Eduskills Academy	7
13	JUNIPER NETWORKING CLOUD VIRTUAL INTERNSHIP	Juniper Networks Cloud and Automation	3
14	MICROCHIP EMBEDDED SYSTEM DEVELOPER VIRTUAL INTERNSHIP	Microchip Academy	2
15	PYTHON FULLSTACK DEVELOPER VIRTUAL INTERNSHIP	Eduskills	55
16	WEB FULL STACK DEVELOPER VIRTUAL INTERNSHIP	Eduskills	10
17	ZSCALER NETWORKING VIRTUAL INTERNSHIP	ZSCALER	5
18	ZSCALER ZERO TRUST CLOUD SECURITY VIRTUAL INTERNSHIP	ZSCALER	6

AICTE Virtual Internship Program

Completion Statistics (II Half A.Y. 2024-2025)

Cohort 12 (Apr-June 25)

Sr. No.	Domain	Industrial Collaboration	No. of Completion
1	AI - ML VIRTUAL INTERNSHIP PROGRAM	AWS Academy	9
2	CLOUD VIRTUAL INTERNSHIP	AWS Academy	4
3	DATA ENGINEERING VIRTUAL INTERNSHIP	AWS Academy	14
4	NETWORKING VIRTUAL INTERNSHIP PROGRAM	Juniper Networks Cloud and Automation Academy	2
5	ALTAIR DATA SCIENCE MASTER VIRTUAL INTERNSHIP	ALTAIR	9
6	ALTERYX DATA ANALYTICS PROCESS AUTOMATION VIRTUAL INTERNSHIP	ALTERYX	2
7	CELONIS BUSINESS ANALYST VIRTUAL INTERNSHIP	CELONIS	4
8	CELONIS PROCESS MINING VIRTUAL INTERNSHIP	CELONIS	44
9	GOOGLE AI-ML VIRTUAL INTERNSHIP	GOOGLE	8
10	GOOGLE ANDROID DEVELOPER VIRTUAL INTERNSHIP	GOOGLE	26
11	MICROCHIP EMBEDDED SYSTEM DEVELOPER VIRTUAL INTERNSHIP	MICROCHIP	19
12	PYTHON FULLSTACK DEVELOPER VIRTUAL INTERNSHIP	EDUSKILLS	13
13	ZSCALER NETWORKING VIRTUAL INTERNSHIP	ZSCALER	34
14	ZSCALER NETWORKING VIRTUAL INTERNSHIP	ZSCALER	6



INDUSTRIAL COLLABORATIONS

APSIT's partnerships with renowned industry leaders bring significant benefits to students by bridging the gap between academics and real-world applications. These collaborations expose students to current industry practices, tools, and technologies, enhancing their technical and professional skills. Through hands-on training, workshops, internships, and industry-led courses, students gain practical experience and are better prepared for the workforce. Additionally, the availability of globally recognized certifications through platforms like AWS, Cisco, Oracle Academy, and PALOALTO adds substantial value to their resumes, boosting employability and opening doors to international opportunities.

Industry-Academia Synergy for a Smarter Future



Cisco Networking Academy



Virtusa Center of Excellence



Redhat Academy



AI & Deep Learning lab powered by NVIDIA



Oracle Academy



Blue Prism Academy



AWS Academy



Celonis Academic Alliance for Process Mining



Microchip Academic Alliance for embedded Application Development



Palo Alto Cyber Security Academy



Cisco Networking Academy



Juniper Networks Cloud And Automation Academy



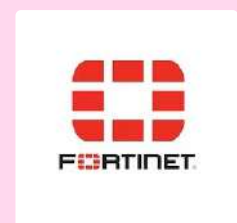
Google For Developer



Zscaler Academic Alliance for Cloud Security



Data Science Wizard (DSW)



Fortinet Academy for Network Security

Industry Impact Through Excellence in Leadership and Outreach

Principal Dr. Uttam Kolekar was honored with the Principal Excellence Award – 2024 (Western Zone) and the Best Outreach & Brand Promotion Award – 2024 for outstanding efforts in promoting AICTE internships, enhancing industry-academia engagement and visibility.



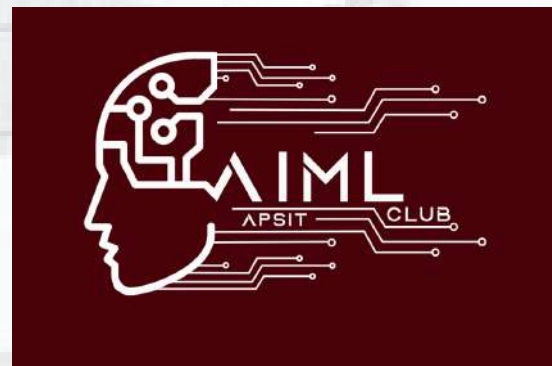
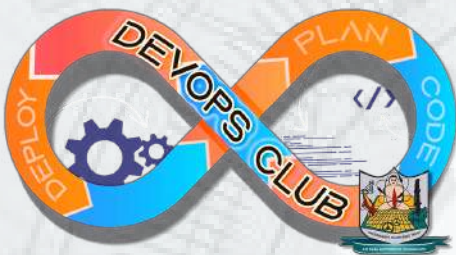
Dr. Kiran Deshpande (HOD-IT) received the Best Performing Center of Excellence Coordinator Award – 2024 (Western Zone) for exemplary execution and coordination of the AICTE virtual internship program, significantly contributing to skill-building and employability among students.



OPEN SOURCE EXPERIMENTAL LAB



APSIT has collaborated with Data Science Wizards by developing Open Source Experimental Lab in campus for enabling students in harnessing the power of Data, employing Artificial Intelligence & Machine Learning.



AI ML LAB POWERED BY NVIDIA



To offer the best education, training and research facility to students in Artificial Intelligence powered by GPU for AI with focus on deep learning, machine learning, data science, Computer Vision and analytics.



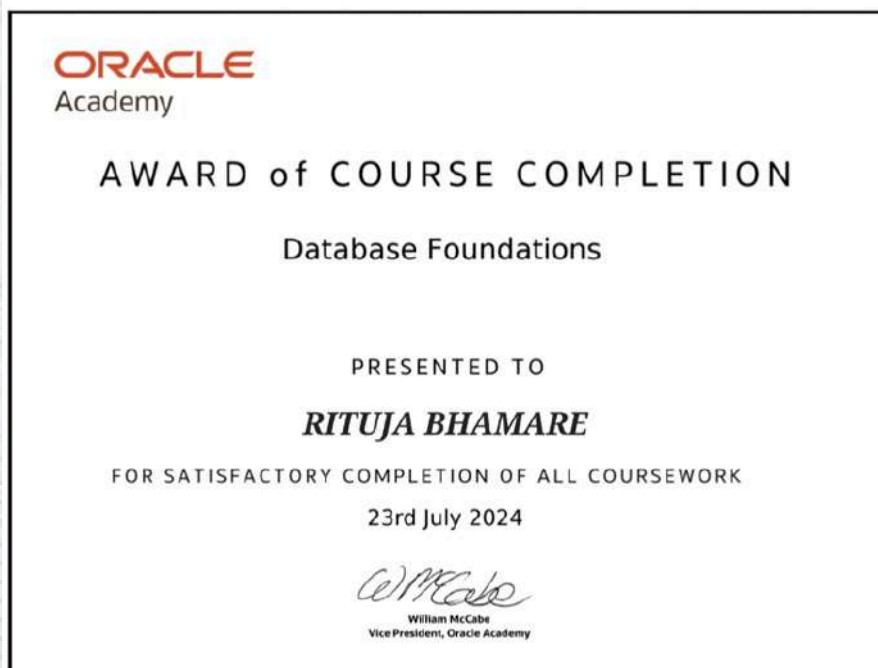
ORACLE ACADEMY

The collaboration Oracle Academy with empowers students with industry-relevant skills in database management, SQL, Java programming, and data modeling. By providing access to globally recognized curriculum, hands-on labs, and certification opportunities, this partnership enhances students' practical knowledge, boosts their confidence, and prepares them for roles in software development, data analytics, and enterprise IT. It bridges the gap between academic learning and industry expectations, ensuring students graduate with the competencies needed for a successful tech career.



Faculty Achievements through Oracle Academy

As part of APSIT's commitment to continuous learning and academic excellence, Prof. Vishal Badgujar successfully achieved Oracle Cloud Infrastructure 2023 Certified Foundations Associate and Architect Associate certifications. These globally recognized credentials, offered through Oracle Academy, validate his expertise in cloud infrastructure, architecture design, and foundational cloud concepts. This accomplishment enhances the institute's ability to deliver industry-aligned knowledge to students, especially in areas such as cloud computing, enterprise infrastructure, and solution design — ultimately enriching classroom learning and mentoring quality.



BLUE PRISM ACADEMY ALLIANCE

Blue Prism and Microchip Academy offer specialized, hands-on training that equips students with in-demand technical skills across two distinct domains. Blue Prism focuses on Robotic Process Automation (RPA), enabling students to automate repetitive business tasks and develop intelligent digital workforce solutions. On the other hand, Microchip Academy provides in-depth knowledge of embedded systems and microcontroller programming, fostering innovation in IoT and device-level software development. Together, these programs prepare students for careers in both enterprise automation and embedded technology, enhancing their versatility and industry readiness.

blueprism®



🏆 Faculty Achievement in the year 2024-25

Prof. Ganesh Gaurshete from the Information Technology department was recognized for his outstanding contribution to the Blue Prism Academic Program, guiding students in the field of Robotic Process Automation (RPA). His dedicated mentorship helped students develop hands-on skills in automation tools, enabling them to understand and implement real-world RPA solutions. This achievement highlights his commitment to fostering industry-oriented learning and preparing students for emerging opportunities in intelligent automation and digital transformation.



BLUE PRISM ACADEMY ALLIANCE

Student Achievement in the year 2024-25

Blue Prism training program has successfully equipped 26 students with practical skills in Robotic Process Automation (RPA). Through hands-on sessions, students learned to design and implement automation solutions for repetitive business processes, enabling them to create intelligent digital workforce applications. This training empowers students with in-demand automation skills, preparing them for careers in process optimization and digital transformation across various industries.



MICROCHIP ACADEMY

Student Achievement in the year 2024-25

The Microchip Academy has trained 60 students, providing them with a strong foundation in embedded systems and microcontroller programming. Through the Microchip Academy, students gain hands-on experience with industry-standard development tools and real-time hardware, enhancing their problem-solving abilities and technical confidence. The program bridges the gap between academic concepts and real-world applications, making students better prepared for internships, research projects, and competitive exams. It also opens up career opportunities in embedded systems design, IoT product development, robotics, and automation, giving students a competitive edge in the job market and supporting innovation-driven learning.



GOOGLE FOR DEVELOPERS

Achievements through Google for Developers Industry Collaboration

The collaboration with Google for Developers under the AICTE Virtual Internship initiative has greatly contributed to enhancing student learning outcomes at APSIT. This program enabled students to gain hands-on exposure to industry-relevant technologies such as Android development, Firebase, cloud integration, and modern UI/UX design principles. Through guided projects and structured mentorship, students developed essential problem-solving skills, improved their coding efficiency, and built deployable mobile and web applications — significantly boosting their confidence and career readiness. This recognition highlights APSIT's commitment to nurturing future-ready professionals through strategic industry collaborations and expert academic leadership.

Faculty Achievement in the year 2024-25

The initiative has played a key role in aligning academic learning with real-world application, encouraging innovation, and preparing students for global tech careers. As a part of this impactful initiative: Prof. Yamini Patil was awarded the Educator Excellence Award – 2024 (Western Zone) for her outstanding contribution in facilitating the AICTE Google for Developers Virtual Internship, mentoring students, and promoting industry-aligned project development.



GOOGLE FOR DEVELOPERS

Student Achievement in the year 2024-25

Google for Developers is a platform for students to learn modern app development, Firebase, and UI/UX best practices, enhancing their coding proficiency and project deployment skills.

Through the Google for Developers industry training, students achieved practical proficiency in Android app development, Firebase integration, and UI/UX design, while building and deploying real-time applications. They enhanced their coding skills using Kotlin and Flutter, understood the full app development lifecycle, and followed Google's development standards. Many students completed guided projects, earned participation certificates, and gained exposure to industry-level development environments, preparing them for internships, hackathons, and careers in mobile and web app development.

The AIML Internship conducted through Google for Developers provided students with practical exposure to the core concepts of Artificial Intelligence and Machine Learning using real-world tools and technologies. Students learned to build intelligent applications using TensorFlow, Python, and Google Cloud AI services, gaining hands-on experience in areas such as data preprocessing, model training, classification, and deployment of ML models. The internship helped students develop strong problem-solving skills and a foundational understanding of how AI is applied in modern app development. This industry-aligned training not only enhanced their technical skills but also prepared them for research, higher education, and careers in AI, ML, and data science domains.



REDHAT ACADEMY

The APSIT-Red Hat Academy collaboration has significantly enhanced student skills in open-source and enterprise Linux technologies. Through access to Red Hat's certified curriculum, hands-on labs, and expert sessions, students have earned industry-recognized certifications like RHCSA, participated in workshops, and worked on real-world projects. This initiative builds in-demand skills in Linux administration, automation, cloud, and containerization, leading to success in hackathons, certifications, and top IT placements—empowering students with strong technical competence and industry readiness.

Student Achievements through Red Hat Academy

 Shreyash Narvekar from TEIT secured 2nd position in Redhat India Final Challenge Contest held on 14th September 2024 hosted by Red hat Academy Partner Bhagyashree IT solutions.



Shreyas Narvekar has been appointed as the Student Ambassador of Red Hat Academy. He takes over the esteemed responsibility from Bharat Sharma, the previous Student Ambassador.



ZSCALAR ACADEMY

Providing foundational exposure to Zero Trust Architecture and cloud security, Zscaler's training aligns students with modern enterprise cybersecurity frameworks.

Student Achievement through Zscaler Academy

In 2024, 51 students from the Information Technology department successfully completed the Zscaler Zero Trust Associate Certification, offered by Zscaler Academy. This certification empowered students with foundational knowledge in Zero Trust architecture, secure access, and modern cybersecurity practices.

Through this industry-recognized program, students gained practical insights into securing digital environments, enhancing their understanding of network security, and improving their employability in the growing field of cybersecurity.



PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY

Congratulations

For Successfully Completing Prestigious IT Certification
Zscaler Zero Trust Associate offered by

 **academy**

CISCO NETWORKING ACADEMY

The collaboration with Cisco Networking Academy was established to provide students with strong foundational and advanced skills in networking, cybersecurity, and IT infrastructure. As networking forms the backbone of all digital systems, it is essential for students to gain hands-on experience with tools and concepts such as routing, switching, network protocols, and security configurations. Cisco's globally recognized curriculum ensures students are trained in line with industry standards, preparing them for certifications like CCNA and careers in network administration, cybersecurity, and system engineering. This collaboration also enhances faculty capability and strengthens APSIT's commitment to producing industry-ready professionals in the evolving digital landscape.



Course name

- CPA: Programming Essentials in C++
- Cyber Security Essential
- CCNA: Introduction to Networks
- Linux Essentials
- Python Essentials-2
- Introduction to IoT and Digital Transformation

Course Completion Statistics

94
45
111
115
148
117

AWS ACADEMY

The collaboration with AWS Academy was established to equip students with in-demand cloud computing skills and to align academic programs with industry standards. With the growing reliance on cloud infrastructure across industries, it is essential for students to gain hands-on experience in AWS technologies such as EC2, S3, Lambda, and IAM. AWS Academy provides structured learning paths, practical labs, and access to globally recognized certifications, enabling students to stay competitive in the job market. This collaboration also enhances faculty expertise, creating a strong foundation for cloud-focused learning, innovation, and employability.



Prof. Sonia Aneesh from the Information Technology department was honored with the Educator Excellence Award – 2024 (Western Zone) for her exceptional contribution to the AICTE AWS Virtual Internship. Through her dedicated mentorship, students gained valuable hands-on experience with cloud computing and AWS tools, equipping them with practical skills for real-world applications. This prestigious recognition reflects her unwavering commitment to promoting industry-relevant learning and preparing students for future roles in the evolving cloud technology landscape.

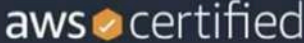
AWS ACADEMY

Faculty Achievement through AWS Academy

Strengthening APSIT's commitment to academic excellence and industry-aligned upskilling, faculty members have actively pursued global certifications to enhance their technical leadership and mentoring capabilities.

Prof. Sonal Balpande successfully completed the AWS Certified Solutions Architect -Associate certification, offered through AWS Academy in 2024.

This globally recognized certification, enabling them to guide students in emerging areas like cloud computing, infrastructure deployment, and scalable application development. Their achievement not only contributes to enriching classroom delivery with real-world insights but also strengthens APSIT's capacity to mentor students for industry certifications and cloud-based project development, aligning with global technology trends.



Sonal Balpande

AWS Certified Solutions Architect - Associate

VALIDATION NUMBER: f054e3e198ef4a09b62a4d0f02f9c78c
VALIDATE AT: <https://aws.amazon.com/verification>

Issue Date: December 8, 2024
Expiration Date: December 8, 2027

AWS ACADEMY

Student Achievement through AWS Academy

Total Students Trained: 400 in the year 2024-25

Through the AWS Academy Training Program, students gained industry-aligned knowledge and hands-on experience in cloud computing, infrastructure services, and application deployment using core AWS technologies such as EC2, S3, IAM, Lambda, and RDS. They learned to design scalable, fault-tolerant cloud solutions and manage real-world cloud environments through practical labs and guided projects. The program also prepared them for AWS certification pathways like AWS Cloud Practitioner and AWS Solutions Architect 3 Associate, enhancing their technical skillsets and boosting their employability in roles such as Cloud Engineer, DevOps Associate, and Solutions Architect. This training enabled students to confidently work on cloud-based systems, contributing to their readiness for the global tech workforce.



JUNIPER NETWORKS® CLOUD AND AUTOMATION ACADEMY

🏆 Student Achievements through Juniper Academy

👤 Total Students Trained: 147 in the year 2024-25

Students gained in-demand skills in cloud networking, network automation, and infrastructure management using Juniper's enterprise-grade platforms and tools such as Junos OS and Contrail. Through this collaboration, learners developed a strong foundation in routing, switching, and the principles of Software-Defined Networking (SDN). The curriculum, aligned with global certifications like JNCIA-Junos, emphasized hands-on training, real-world lab simulations, and industry use cases, enabling students to not only understand traditional networking but also evolve with emerging trends in programmable networks. This initiative equips them with the technical proficiency and confidence required for careers in network engineering, cloud infrastructure, and automation-driven IT roles.



PALO ALTO NETWORKS CYBERSECURITY ACADEMY

The collaboration with Palo Alto Networks Cybersecurity Academy was established to equip students with critical skills in network security, firewall management, and threat detection — essential areas in today's evolving cybersecurity landscape. With increasing global demand for cybersecurity professionals, this academy provides students with access to industry-grade tools, hands-on labs, and certification-aligned training. Students gain practical experience in configuring firewalls, securing networks, and responding to cyber threats, enhancing their technical proficiency and job readiness. This partnership bridges the gap between academic theory and real-world security practices, preparing students for roles such as Security Analyst, SOC Engineer, and Network Security Administrator.

🏆 Student Achievement through PaloAlto Network Cyber Security Academy

🎓 Total Students Trained: 114 in the year 2024-25

Students gained global exposure to firewall management, network defense, and threat analysis, making them job-ready in cybersecurity domains through certifications like PCCET.



Through the Palo Alto Networks Virtual Internship, students gained foundational knowledge in cybersecurity principles, firewall configuration, threat detection, and cloud security. They learned to apply the Zero Trust security model, configure Next- Generation Firewalls (NGFWs), and respond to simulated cyberattacks using industry- grade tools. The internship also prepared them for the globally recognized PCCET certification, equipping them with practical skills and confidence to pursue careers in network security and cyber defense. This internship bridged the gap between academic learning and real-world cybersecurity practices, offering students hands-on exposure to network protection strategies, secure access control, and malware prevention techniques.

FORTINET ACADEMY FOR NETWORK SECURITY

The Fortinet Network Security Academy (FNSA) was established to equip students with essential skills in network security, threat detection, and firewall configuration, aligning with the increasing global demand for cybersecurity professionals. Through hands-on access to Fortinet's Security Fabric tools—including FortiGate firewalls, intrusion prevention systems (IPS), and secure SD-WAN—students gain practical, real-world experience in securing digital infrastructures.

Student Achievement in the year 2024-25

The program prepares learners for industry-recognized certifications such as Fortinet NSE (Network Security Expert) levels, which validate technical competency in cybersecurity operations. This collaboration helps bridge the gap between academic learning and enterprise security needs, empowering students for roles such as Security Analyst, SOC Engineer, and Network Administrator, and building a strong foundation in cybersecurity awareness and career readiness.

The Fortinet Network Security Academy focuses on strengthening students' foundational knowledge in core cybersecurity domains such as network security architecture, threat detection, and risk mitigation strategies. Through access to industry-grade tools like FortiGate firewalls, students gain practical skills in configuring security policies, managing firewall rules, detecting vulnerabilities, and implementing secure access controls.

The program also introduces concepts of intrusion prevention systems (IPS), secure VPNs, and real-time threat intelligence—crucial components of modern cybersecurity ecosystems.

FORTINET ACADEMY FOR NETWORK SECURITY



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



Certificate of Virtual Internship

This is to certify that

Sumit Krishnat Kanse
A. P. Shah Institute of Technology

has successfully completed 10 weeks
Network Security Associate Virtual Internship
during May - July 2023

Supported By **FORTINET.**



Rob Rashotte
Vice President
Fortinet Training Institute

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :dbd1007f663a9f0e18e150fb2bfa02f7
Student ID :STU64364747ec26d1681278791



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



Certificate of Virtual Internship

This is to certify that

ADITYA ABHIJEET CHAVAN
A. P. Shah Institute of Technology

has successfully completed 10 weeks
Network Security Associate Virtual Internship
During Oct - Dec 2024

Supported By **FORTINET.**



Rob Rashotte
Vice President
Fortinet Training Institute

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :312d658f9c0809dfc2fe1c317014d82
Student ID :STU64f89aa80f7f11694014120



GRADE: D (Outstanding): 90-100 | E (Excellent): 80-89 | A (Very Good): 70-79 | B (Good): 60-69 | C (Fair): 50-59 | D (Average): 40-49 | P (Pass): 30-39 | F (Fail): Below 30

ALTERYX ACADEMY AND ALTAIR ACADEMY

Alteryx Academy and Altair Academy, though distinct in focus, both play a vital role in enhancing student competencies through industry-aligned training. Alteryx Academy empowers students with no-code/low-code data analytics and workflow automation skills, enabling real-time decision-making and problem-solving. In contrast, Altair Academy focuses on engineering simulation, offering hands-on experience in structural analysis, CFD, and design optimization using tools like HyperWorks and Altair Inspire. Together, these academies equip students with diverse, high-demand skills in data science and engineering, boosting their career readiness across technology and industry sectors.

Student Achievement in the year 2024-25

The Alteryx Academy at APSIT has trained a total of 54 students, equipping them with essential skills in data analytics and workflow automation. By leveraging Alteryx's no-code/low-code platform, students gain hands-on experience in solving real-time problems and making data-driven decisions. This initiative empowers learners with practical knowledge in data preparation, analysis, and visualization—skills that are highly valuable in today's data-centric industries.

Completion of the Altair-sponsored Data Science Master Internship offers students a strong foundation in real-world data science applications, combining statistical analysis, machine learning, and AI with Altair's industry-grade tools like Altair SmartSight and Altair Knowledge Studio.

This internship enhances students' ability to handle large datasets, build predictive models, and automate decision-making processes. With hands-on exposure to practical case studies and mentorship from industry experts, students gain valuable experience that boosts their confidence, technical skills, and employability in fields such as analytics, finance, healthcare, and engineering. The internship also strengthens their resume with a recognized certification from a global tech leader

ALTERYX ACADEMY AND ALTAIR ACADEMY



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



Certificate of Virtual Internship

This is to certify that

Paresh Gupta

A. P. Shah Institute of Technology

has successfully completed 10 weeks

Data Science Master Virtual Internship

During July - September 2024

Supported By  **ALTAIR**



Ramesha B.S.
Head - Academic Initiatives
Altair



Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE



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EduSkills



Certificate ID : 1bd0ab5590fd7f15c572208978c6cc68
Student ID : STU6436476e062c51681278830



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CELONIS ACADEMY

Achievements through Celonis – Industry Collaboration

The collaboration with Celonis under the AICTE Virtual Internship program has significantly contributed to enhancing students' analytical and business intelligence skills at APSIT. Through this initiative, students were introduced to the cutting-edge field of process mining, learning how to extract actionable insights from data, optimize workflows, and drive data-informed decision-making — skills highly valued in today's digital business landscape. By working on real-world use cases and data-driven projects, students developed a deeper understanding of enterprise systems and process optimization, which greatly enriched their academic journey and career preparedness.

Faculty Achievement in the year 2024-25

Prof. Geetanjali Kalme was honored with the Educator Excellence Award – 2024 (Western Zone) for her exemplary efforts in guiding students during the AICTE Celonis Virtual Internship and fostering an environment of analytical excellence and innovation. This achievement reflects APSIT's dedication to integrating industry-leading technologies into the learning ecosystem and empowering students for success in a competitive global environment.



CELONIS ACADEMY

Student Achievement in the year 2024-25

 Total Students Trained: 65 from Information Technology Department.

Students explored process optimization and data-driven decision making through real-world process mining use cases, preparing them for careers in operations intelligence.



FULL STACK DEVELOPMENT

The Web Full Stack, Java Full Stack, and Python Full Stack Developer Programs offered through Eduskills provide students with industry-aligned training in modern development technologies. These programs enable learners to master frontend tools like HTML, CSS, and JavaScript, as well as backend technologies including Node.js, Express, Java frameworks, and Python-based frameworks such as Django and Flask, along with database integration. Through hands-on project experience, students build real-world applications, strengthening their coding, logical thinking, and problem-solving abilities. The Eduskills platform further enhances the learning experience by offering expert mentorship, globally recognized certifications, and exposure to industry-standard tools, significantly boosting students' employability and preparing them for successful careers as full-stack developers in the tech industry.

Student Achievement in the year 2024-25



The Web Full Stack, Java Full Stack, and Python Full Stack Developer Programs offered through Eduskills have collectively empowered students with comprehensive, hands-on training in modern software development. A total of 66 students were trained in Web and Java Full Stack development, gaining expertise in frontend technologies, backend frameworks like Node.js and Java Spring Boot, and database integration—equipping them for end-to-end application development. Additionally, 17 students successfully completed the Python Full Stack Developer Program, where they built complete projects using Python frameworks, mastering backend logic, databases, and frontend integration. These programs not only provide industry-recognized certifications but also enhance students' practical skills, confidence, and employability in a tech-driven job market.

CYBERSECURITY

The Ethical Hacking Virtual Internship provides students with practical exposure to cybersecurity concepts, tools, and techniques used in real-world scenarios. Through this program, students gain hands-on experience in identifying vulnerabilities, performing penetration testing, and understanding security protocols and ethical hacking methodologies. It enhances their knowledge of network security, system protection, and ethical responsibility in digital environments. The internship also helps students build a strong foundation for cybersecurity certifications and careers, improves their problem-solving and critical thinking skills, and prepares them to safeguard systems against cyber threats in both academic projects and professional settings.



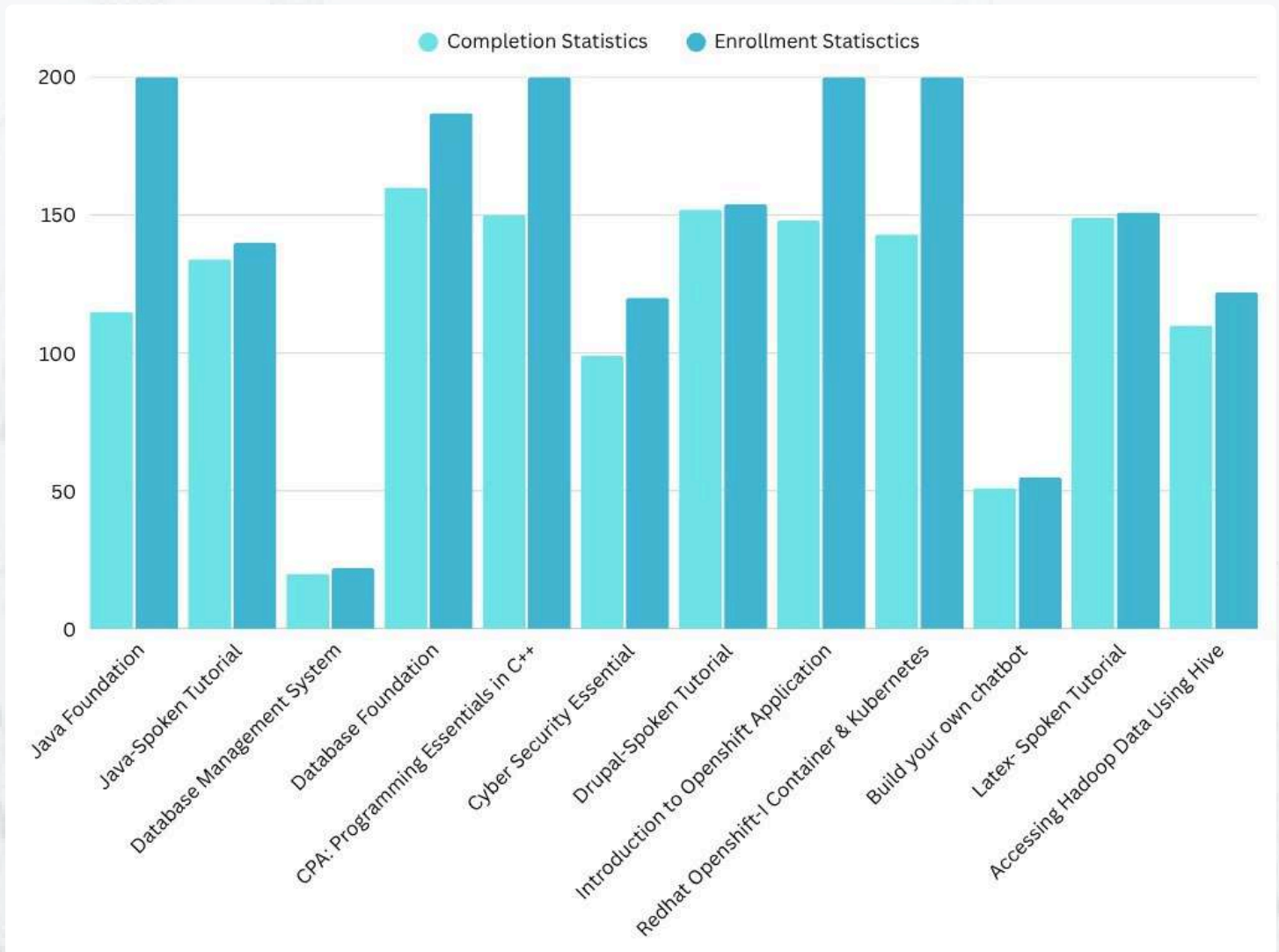


ACADEMIC
INITIATIVES

Skill Development Through MOOCs & Industry Platforms 2024-25 ODD Semester

Course mapped through Industrial collaboration	Industrial Collaboration/MOOCs Platform from which courses are made available	Completion Statistics
Java Foundation	Oracle Academy	115
Java-Spoken Tutorial	IIT Spoken Tutorial	134
Database Management System	NPTEL(option)	20
Database Foundation	Oracle Academy	160
CPA: Programming Essentials in C++	Cisco Networking Academy	150
Cyber Security Essential	Cisco Networking Academy	99
Drupal-Spoken Tutorial	IIT Spoken Tutorial	152
Introduction to Openshift Application	Redhat	148
Redhat Openshift-I Container & Kubernetes	Redhat	143
Build your own chatbot	IBM cognitive class	51
Latex- Spoken Tutorial	IIT Spoken Tutorial	71
Latex- Spoken Tutorial	IIT Spoken Tutorial	78
Accessing Hadoop Data Using Hive	IBM cognitive class	110

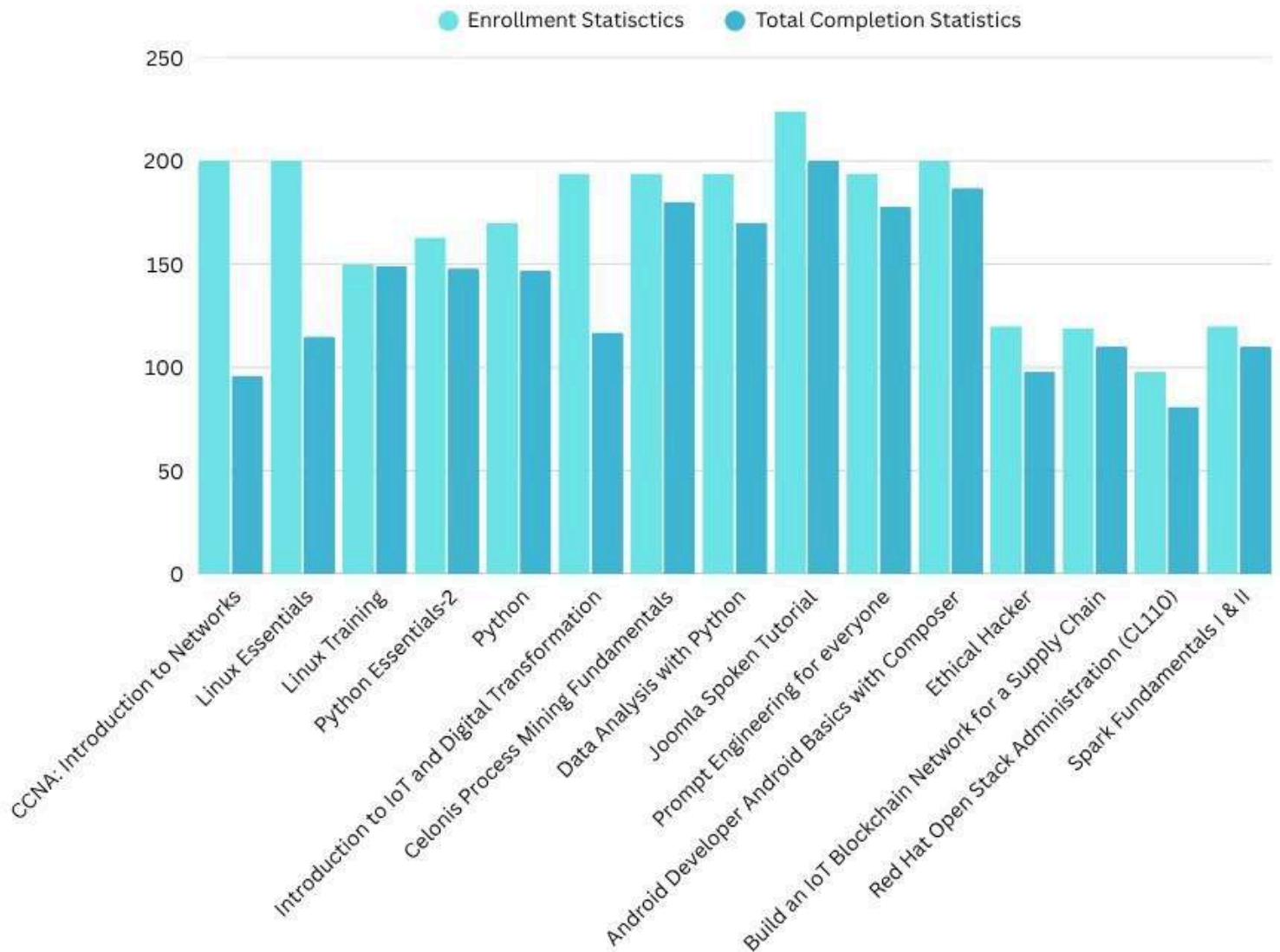
Skill Development Through MOOCs & Industry Platforms 2024-25 ODD Semester



Skill Development Through MOOCs & Industry Platforms 2024-25 ODD Semester

Course mapped through Industrial collaboration	Industrial Collaboration/MOOCs Platform from which courses are made available	Completion Statistics
CCNA: Introduction to Networks	Cisco Networking Academy	96
Linux Essentials	Cisco Networking Academy	115
Linux Training	IITB Spoken Tutorial	149
Python Essentials-2	Cisco Networking Academy	148
Python	Spoken Tutorial IIT Bombay	147
Introduction to IoT and Digital Transformation	Cisco Networking Academy	117
Celonis Process Mining Fundamentals	Celonis Academic Alliance	180
Data Analysis with Python	IBM cognitive class	170
Joomla Spoken Tutorial	Spoken Tutorial IIT Bombay	200
Prompt Engineering for everyone	IBM cognitive class	178
Android Developer Android Basics with Composer	Android Developer	187
Ethical Hacker	CISCO Academy	98
Build an IoT Blockchain Network for a Supply Chain	IBM cognitive class	110
Red Hat Open Stack Administration (CL110)	Red Hat Academy	81
Spark Fundamentals I & II	IBM Cognitive Class	110

Skill Development Through MOOCs & Industry Platforms 2024-25 ODD Semester



NPTEL Achievements of A.Y. 2024-25



National Programme on Technology Enhanced Learning (NPTEL) is an initiative by seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science for creating course contents in engineering. Students and faculty undergo courses designed by IITians and obtain certification in various domains of engineering. APSIT recognized as a ACTIVE Local Chapter for both the sessions of AY 2023-24. APSIT reimburse the full NPTEL Certification Exam fees to faculties & Students who have completed NPTEL Certification Successfully.



Massive Open Online Courses (MOOC) is essentially an asynchronous platform and process for teaching through pre-recorded lectures, resource video materials, lecture notes, assignments and quizzes, which are usually online and provide self-assessment at regular intervals during learning. The enrollment and learning from these courses involves no cost. Following these online courses, an in-person, proctored certification exam will be conducted and a certificate is provided through the participating institutions and industry, when applicable. This has helped a lot in taking the subject knowledge to a next level.

-Sanskriti Mhatre, BE-IT

NPTEL Achievements

Student Achievements 2024-25

Data Base Management System

Student Name

Outcomes

Alok Kumar Niranjana Sahoo	Elite
Jigyasha Singh	Elite
Shruti Sanjeev Thakur	Successfully completed
Hrugveda Nitin Mane	Elite+Silver
SIDDHI THANekar	Elite
Pranav Mrigank Sathe	Successfully completed
Siddhi Tangsali	Successfully completed
Vaibhavi Jaya Naik	Elite
Ishita Singh	Successfully completed
Aptab Mustak Shaikh	Elite
Arsh Siddique	Elite
aryan	Successfully completed
Bhumika Pandhare	Successfully completed
Rinkal Radheraman Mishra	Successfully completed
Riya Vishwas Mhatre	Successfully completed
Riya Bhavin Sanatra	Successfully completed
Ismaeel Mo Manzar Shaikh	Elite
Shubham Jayant Pawaskar	Elite
Swapnil Mandar Joshi	Elite
Tanishq Shelar	Successfully completed

NPTEL Achievements

Student Achievements A. Y. 2024-25

Python for Data Science

Student Name

Karan Rajkumar Jain

Outcomes

Elite+Silver



Ethical Hacking

Student Name

Shreyash Prashant Narvekar

Outcomes

Elite

Introduction to Japanese Language and Culture

Student Name

Mahipal Singh solanki

Outcomes

Elite

Programming In Java

Student Name

Swapnil Mandar Joshi

Outcomes

Elite

NPTEL Achievements

Faculty Achievements A.Y. 2024-25

Design and Analysis of Algorithms

Faculty Name

Sonia Aneesh
Shweta Mahajan

Outcomes

Successfully completed
Successfully completed

Applied Accelerated Artificial Intelligence

Faculty Name

Sujata Atul Oak

Outcomes

Elite

Dr. Sameer Nanivadekar

Certificate Name

Patent Law for Engineers and Scientists
Patent drafting for beginner
Cloud computing

Outcomes

Successfully completed
Elite
Elite

Fundamental Algorithms: Design and Analysis

Faculty Name

Shweta Mahajan

Outcomes

Elite

NPTEL Achievements

Faculty Achievements A.Y. 2024-25

Optimisation for Machine Learning: Theory and Implementation

Faculty Name

Snehal Mali

Outcomes

Elite

Fundamental Algorithms: Design and Analysis

Faculty Name

Shweta Mahajan

Outcomes

Elite

Fundamentals of Object Oriented Programming

Faculty Name

Roshna Sangle

Rucha Kulkarni

Shital Agarwal

Outcomes

Elite

Elite

Elite

Theory of Computation

Faculty Name

Charul Singh

Sachin Kasare

Outcomes

Elite

Successfully completed

NPTEL Achievements

Faculty Achievements A.Y. 2024-25

Introduction to Large Language Models (LLMs)

Faculty Name

Sonal Balpande
Sujata Oak

Outcomes

Successfully completed
Successfully completed

Blockchain and its Applications

Faculty Name

Anupama Singh

Outcomes

Elite

Foundation of Cloud IoT Edge ML

Faculty Name

Sonal Jain
Vishal Badgujar

Outcomes

Elite+Silver
Elite+Silver

Project Management

Faculty Name

Manjusha Kashilkar
Randeep Kaur Kahlon

Outcomes

Elite
Elite

NPTEL Achievements

Faculty Achievements A.Y. 2024-25

Data Analytics with Python

Faculty Name

Shradha Sanjay Birje
Urjashree Namdev Patil
Mandar A Ganjapurkar
Mrs Apeksha Tushar Mohite
Geetanjali Rohan Kalme
Seema Milind Jadhav

Outcomes

Elite+Silver
Elite
Successfully completed
Elite
Elite
Elite

IIT Bombay Spoken Tutorial



APSIT is a recognized Super Resource Center of IIT Bombay for Spoken Tutorial program under the MHRD, Govt. of India. Spoken Tutorial is a Training and certification program for all types of open-source programming languages, tools, and technologies for all branches of engineering.

Course completion statistics A.Y. 2024-25

Year of study	Course	Course Completion Statistics
SE IT	Linux	149
	Java	135
TE IT	Python	154
	Drupal	159
BE IT	Joomla	191
	Latex	71



IIT Bombay Spoken Tutorial

Java



Toppers

1. AYUSH BHUNYA	95%
2. GAURI BORSE	95%
3. SANMIL GURAV	95%

No. of students completed Certifications: 135





IIT Bombay Spoken Tutorial

Python



Toppers:

1. KARUNYA INGALE	95%
2. ALOK KUMAR SAHOO	95%
3. APTAB SHAIKH	95%

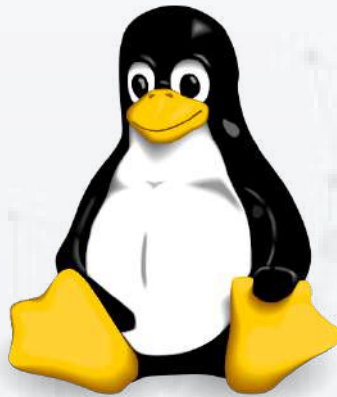
No. of students completed Certifications: 154





IIT Bombay Spoken Tutorial

Linux



Toppers:

1. SHREEYA GONDHALEKAR	90%
2. APTAB SHAIKH	90%
3. JIGYASHA SINGH	90%

No. of students completed Certifications: 149





IIT Bombay Spoken Tutorial

LaTeX

LATEX

1. RIYA PATEL	91.7%
2. AKANKSHA BHOIR	90%
3. PRATIK INGLE	88.9%

No. of students completed Certifications: 71





IIT Bombay Spoken Tutorial

Drupal



Toppers:

1. RADHIKA KUBAL	97.5%
2. MOHIT MEKALU	92.5%
3. HARSH KOLADKAR	90%

No. of students completed Certifications: 159





IIT Bombay Spoken Tutorial

Joomla



Joomla!
...because open source matters

Toppers:

1. ANSHUTA JAGTAP	100%
2. JAY PATIL	100%
3. ZEEFA SHAIKH	100%

No. of students completed Certifications: 191



APTITUDE TRAINING

Training Program



Our college not only believes in quantity but also in quality of education that should be delivered in all best possible ways to their students which will be beneficial in their upcoming carrier. To do so our college has also started aptitude training sessions right from third year itself.

Also to maintain consistency of this activity our college took an initiative of conducting online tests for aptitude session on a regular basis for at least once in a week. By doing so our college ensures that they never fail to prove that they never let their students down in any field and help their students in all possible ways so that they can reach certain height in their life.



"Aptitude coaching conducted in the college showcases the student-centered nature of APSIT. The Aptitude training sessions have put the students in a better position to face the campus recruitment drives while the Gate coaching has enabled them to polish their knowledge of subjects and widen their conceptual understanding."

-Mayank Mishra TE-IT



WORKSHOPS & TRAININGS

PRE-PLACEMENT TRAINING

The training was designed to cover various aspects such as technical skills, soft skills, industry awareness, and interview preparation. Department of Information Technology had arranged pre-placement training for Third year and Final Year students. The training was attended by an impressive number of students.

The primary objectives of the pre-placement training was to prepare students for the recruitment process, provide them insights into industry trends and expectations and help them build confidence and improve employability.

Additionally, students are exposed to technical and coding tests every weekends so that they understand their performance and can identify the core areas of improvement. Students also get an opportunity to face the mock interviews where they get a chance to experience corporate interviews and also receive a feedback from trainers to work on their interview skills.



GOOGLE ANDROID

The aim of the event was to provide participants with a comprehensive understanding of the Google Android Platform- Using Kotlin programming language which is Google's preferred language for Android app development.

The event began with an exploration of the career journey as a Google Android developer. Attendees gained valuable insights into crafting effective test cases using Kotlin. The session then shifted focus to the practical aspects of downloading and installing Android Studio, a crucial tool for android application development.

A key highlight of the event was the creation of Android applications such as a Birthday application and a Tip Calculator. The demonstration of Android applications using mobile emulator was exceptionally insightful and informative.



APTITUDE PRACTICE SESSION FOR PLACEMENT DRIVE



"How to Prepare for the Aptitude Test of KPMG Placement Drive" was conducted by Mr. Vishwajeet Dhuppe. The workshop aimed to guide students through effective preparation strategies for KPMG's aptitude test, which is a crucial component of their placement drive. The speaker detailed the structure of aptitude test, which typically included sections on quantitative reasoning, logical reasoning, and verbal ability. Students were advised to familiarize themselves with the test pattern and types of questions commonly asked. He conducted practice session through which he suggested using shortcuts and techniques to solve problems more efficiently, which can be crucial in a timed environment. Attendees left with a clear understanding of how to approach their preparation and the confidence to tackle the aptitude test with improved readiness.



IT WEEK



By the Students For the Students

IT WEEK

AIML CODING CHALLENGE

Build, train, and optimize! Dive into machine learning models, experiment with algorithms, and solve real world challenges. Turn data into powerful solutions!

EVENT HEADS

Ananya Mishra
Yash Apte

📅 10 March '25 ⌚ 10:00am 📍 304C

IT WEEK

SPARKATHON V25.0

PARTICIPANTS WILL BE GIVEN A PROBLEM STATEMENT TO DEVELOP CREATIVE SOLUTIONS AND SHOWCASE THEIR IDEAS THROUGH A PRESENTATION. COMPETE, COLLABORATE, AND BRING YOUR INNOVATION TO LIFE!

EVENT HEADS

VARAD MAHALE
AMMAR NAGARJI
ADITYA CHAUDHARI
OMKAR CHANDGAOKAR

📅 17 March '25 ⌚ 10:00am 📍 304C

IT WEEK

WEB DEVELOPMENT BOOTCAMP



AMIT RAJEGORE



OMKAR SAWANT

Unlock your potential as a web developer in this intensive bootcamp focused on ReactJS. Learn the fundamentals of web development and gain hands-on experience to build dynamic, responsive, and scalable web applications using one of the most in-demand JavaScript libraries.

📅 12 March '25 ⌚ 01:45pm 📍 304-C

IT WEEK

CYBERSECURITY CODING CHALLENGE

Master encoding and decoding techniques! Explore real world cyber threats and learn how to safeguard systems. Level up your cybersecurity skills and defend against attacks.

EVENT HEADS

Tanishq Shelar
Shravani Savant

📅 10 March '25 ⌚ 10:00am 📍 112

IT WEEK

CODING CHALLENGE

Cybersecurity EVENT HEADS

Shravani Savant
Tanishq Shelar

📍 112

AIML EVENT HEADS

Ananya Mishra
Yash Apte

📍 304C

📅 10 March '25 ⌚ 10:00am

IT WEEK

JAVA BOOTCAMP

- Basics
- OOP
- Logical thinking
- Problem solving
- Code debugging



AMMAR NAGARJI

📅 11 March '25 ⌚ 9:00am 📍 304C

SOFT SKILLS SESSION

"A Young Mind's Guide to Life" uncovers the hidden battles we all face and the mindset shifts that lead to growth, strength, and clarity.



DHRUVIL PANCHAL
ITSA SECRETARY



By the Students For the Students



EVENTS



EXPERT TALKS

Uncover key strategies and insights to empower your GRE Success.



The Graduate Record Examination (GRE) is a standardized test commonly required for admission to graduate schools across various disciplines. Achieving a high score on the GRE is crucial for standing out in a competitive pool of applicants. To excel, it is essential to adopt effective strategies and understand the test structure. The session conducted by Mr. Amey Phadke indeed helped students by focusing on a deep understanding of the test structure, creating personalized study plans, utilizing reliable resources, and practicing key content areas, students can improve their chances of achieving a high score. Additionally, mastering time management, attending workshops, and managing stress contribute to a comprehensive and effective preparation process. With the right strategies and mindset, students are well-positioned to succeed on the GRE and achieve their graduate school aspirations. Overall the session left students with positive imprints and confidence to prepare for GRE Exams.

EXPERT TALKS

Python for Data Analytics



The expert session on "Python for Data Analytics" aimed to provide students with a comprehensive understanding of Python's role in data analytics. The session covered fundamental and advanced concepts, including data manipulation with Pandas, visualization techniques with Matplotlib and Seaborn, and data analysis strategies using NumPy and Scikit-learn. By attending this session, students gained practical insights into how Python is used to process, analyze, and visualize data in real-world applications. The event was designed to bridge the gap between theoretical knowledge and industry requirements by showcasing hands-on examples and case studies. Furthermore, the session encouraged students to explore data-driven decision-making processes, empowering them with essential skills for future careers in data science and analytics.



EVENTS CONDUCTED DURING A.Y 2024-25

Sr. No.	Title of Expert Talk	Date
1	Aavishkar Research Convention: A Platform for Young Researchers	29/07/2024
2	Crack the Drive: Tips and Tricks For placement Success"	08/08/2024
3	Optimize your skills and shine in interviews"by Tanay Jain	09/08/2024
4	How to prepare for Aptitude Test of KPMG Placement Drive"	09/08/2024
5	Empower Your Future: Strategic Career Planning" by Sheedhar Joshi	21/08/2024
6	Latex Essentials	25/09/2024
7	Elevate your JAVA Skills:OOP Techniques & JDBC Mastery	02/10/2024
8	Intellectual property Simplified: A guide to Patents and Copyrights	10/01/2025
9	Research paper mastery: Art of Writing reserach papers with impact	10/01/2025
10	Cybersecurity Awareness	08/01/2025
11	Elevate and Excel: How to make it big in IT	20/01/2025
12	Uncover key strategies and insights to empower your GRE Success	11/02/2025
13	GATEway to Success" Session	27/02/2025
14	AI driven Ideathon	01/03/2025
15	Dissecting and Embedded system	04/03/2025
16	Enterprise Grade Linux Deployment: Architecting scalable network installation with DHCP, TFTP and secure repository management	11/03/2025
17	Python for Data Analytics	18/03/2025
18	Advanced Scheduling Algorithms for Operating System	19/03/2025

MACHINE LEARNING UNVEILED: EASY STEPS FOR NEW LEARNERS

By the Students For the Students



The event began with a presentation from a distinguished alumna and a DevOps engineer, who provided valuable insights into the DevOps cycle, showcasing her expertise in integrating software development with IT operations. Following this, TE IT students conducted a comprehensive training session on NetBeans and Java basics tailored for SE IT students. This session covered essential skills such as installing NetBeans, creating a login page using JFrame for GUI development, and implementing the for loop in Java. Through hands-on exercises and live coding demonstrations, students gained practical experience and established a solid foundation in Java programming. The interactive approach fostered engagement and allowed students to apply their learning in real-time. As the event progressed, it became clear that mastering these skills is critical for their future academic projects, internships, and professional tasks.

INFRASTRUCTURE SECURITY TESTING TOOLS

By the Students For the Students



The session was meticulously organized to provide aspiring developers with the critical knowledge and skills necessary to begin their journey in machine learning. Students received valuable insights into key elements such as data, machine learning, and data processing, which form the cornerstone of robust machine learning models. As the session advanced, it became clear that mastering these components is vital in today's technology landscape and should be a top priority for those aiming to become developers.

The speakers shared their real-world experiences through hands-on demonstrations. They used examples to clarify the distinctions between supervised and unsupervised data and explained concepts such as fitting, confusion matrix, and data preprocessing. This approach helped students connect these ideas to practical applications. The session was not merely an introduction to machine learning but a thorough overview of the essential components that enable students to develop strong ML models.

COMPUTER SOCIETY OF INDIA

HACKSCRIPT 6.0



A. P. Shah Institute of Technology, in collaboration with DSW | Data Science Wizards, successfully hosted Hackscript 6.0 on 8th-9th March 2025—a 24-hour hackathon that brought together young innovators, problem-solvers, and tech enthusiasts under one roof!

🌟 A Grand Scale Event 🌟

- ✓ 170+ team registrations
- ✓ 54 teams made it to the final 24-hour hackathon
- ✓ 14 teams advanced to the grand finale

The event commenced with an inspiring inauguration ceremony, graced by esteemed dignitaries, including Vice-Principal Sir Prof Atul Deshpande, Heads of Departments Dr. Kiran Deshpande, Dr. Sachin Malave, Dr. Jaya Gupta and Prof Anagha Aher, and our Chief Guest, Mr. Sandeep Khuperkar, CEO & Co-founder of Data Science Wizards. The event was further enriched by our expert judges, Mr. Saurabh Singh and Mr. Hardik Rana, both Senior Data Scientists at Data Science Wizards. Participants worked on two problem statements under the domain "Innovations in Artificial Intelligence", pushing their limits to develop cutting-edge solutions.

🎯 After two days of rigorous coding, mentoring sessions, and multiple evaluation rounds, the top teams presented their final solutions to our panel of judges from Data Science Wizards.

COMPUTER SOCIETY OF INDIA

HACKSCRIPT 6.0





PLACEMENTS

OUR RECRUITERS



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
Our Recruiters



Training & Placement Cell

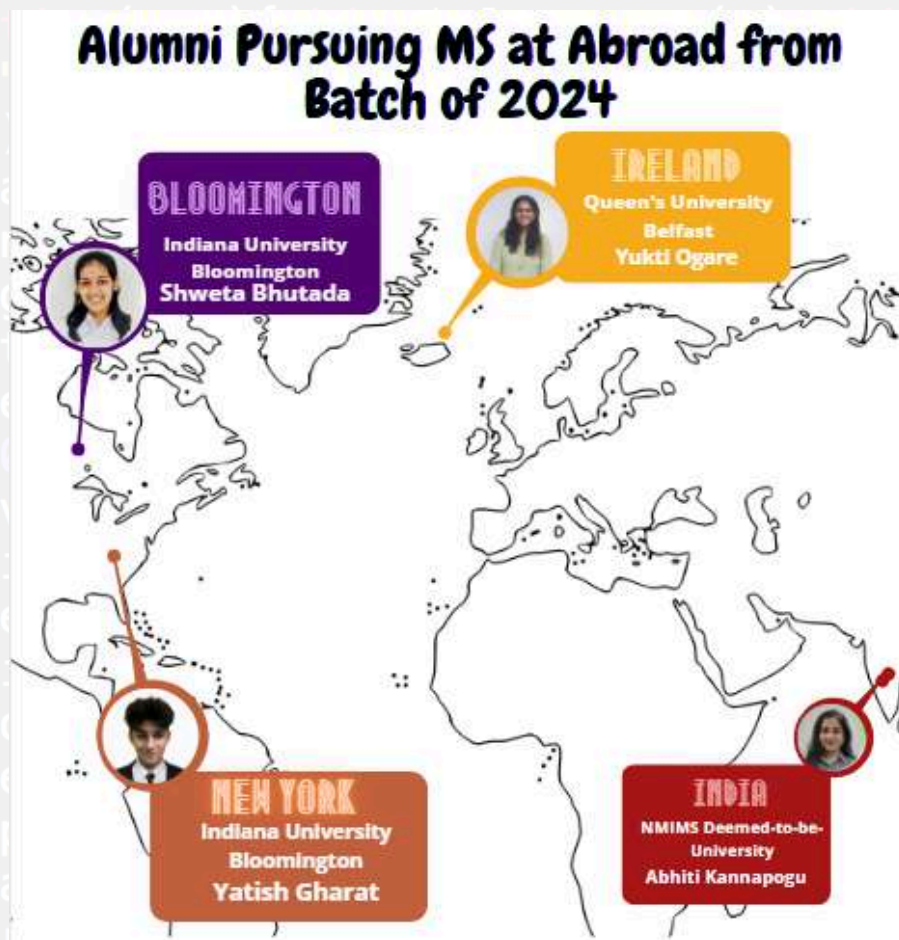
41 Students were placed during AY 2024-25.



To help students in getting the best industry opportunities our training & placement cell provides various training programs & placement opportunities. We strive hard for overall development of students. Our students got placed in top-notch IT core companies during Academic Year 2024-25.

- Prof. Geetanjali Kalme, TP Co coordinator.

STUDENTS PURSUING HIGHER STUDIES AT ABROAD FROM BATCH OF 2024-25



4 Students got admission in reputed Foreign University during AY 2024-25.

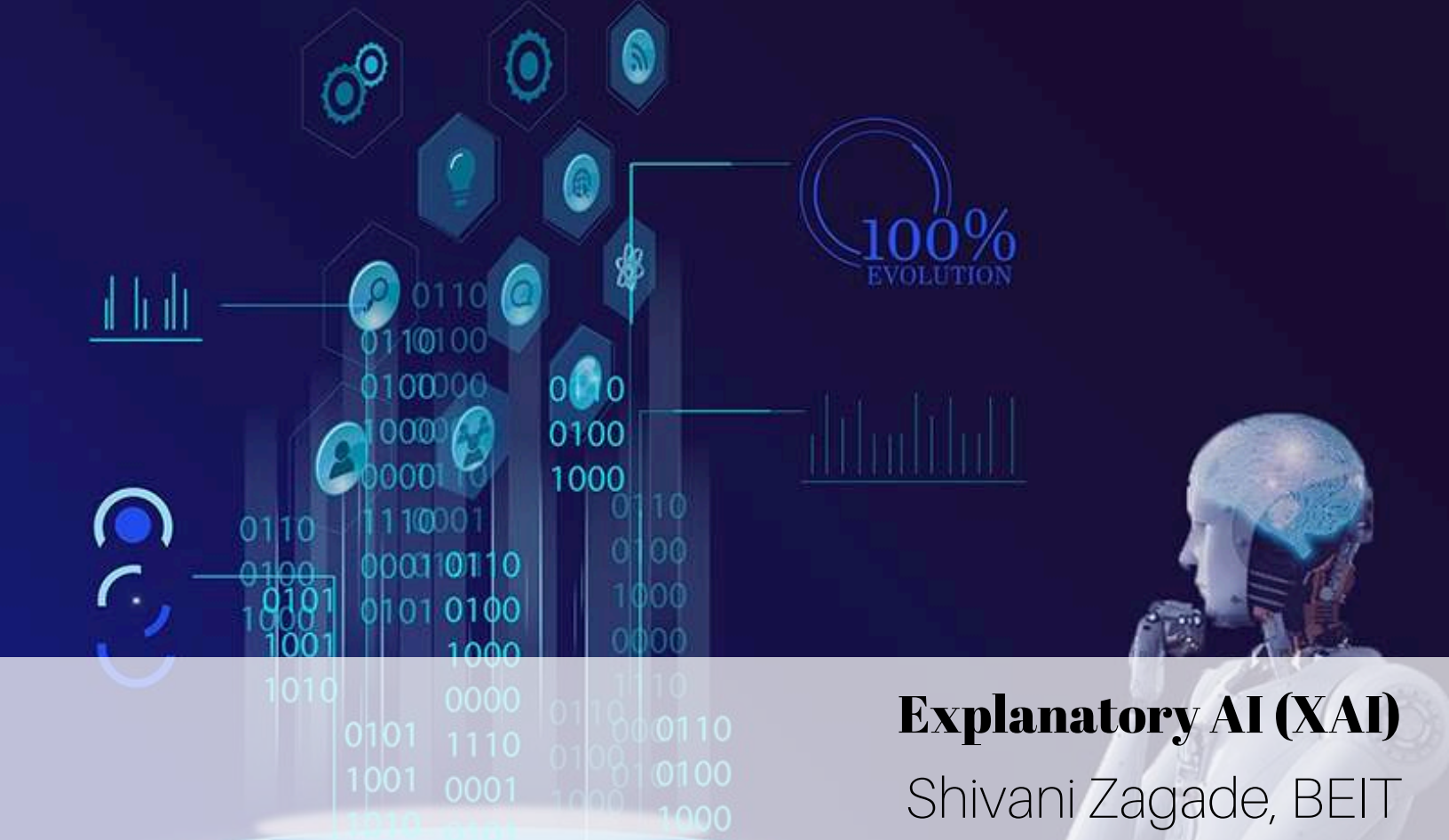


To help students in getting admission in reputed foreign Universities. Our training and placement cell provides GRE coaching classes free of cost. We strive hard over all development of students, as a result 8 students got admission in well known foreign Universities during A. Y. 2024-25

- Prof. Geetanjali Kalme, TP Co coordinator



ARTICLES



Explanatory AI (XAI)

Shivani Zagade, BEIT

Explanatory AI, also called Explainable Artificial Intelligence (XAI), is a group of methods that help people to understand, how an AI system makes decisions or predictions. Modern AI models, especially deep learning systems are very complex and tedious to understand, so it is hard to know how they think or why they give a certain result. Because these systems work like a "black box," people may worry about trust, safety, fairness, bias, and accountability.

XAI tries to solve these problems by giving clear and simple explanations of how an AI reaches its output. These explanations help developers, users, and decision-makers understand the AI's behaviour, check if it is correct, and make sure it is used responsibly. XAI is especially important in sensitive areas like healthcare, finance, law, and self-driving cars, where decisions must be trustworthy and easy to interpret.

Applications of Explanatory AI

Explainable AI (XAI) has a wide range of real-world applications across industries where transparency and trust are essential. In healthcare, it helps doctors understand why an AI system predicts a disease by highlighting important symptoms or image features, improving clinical decision-making.

In finance and banking, XAI is used to justify loan approvals, credit scores, and fraud detection, ensuring fairness and regulatory compliance. Autonomous vehicles rely on XAI to explain decisions like braking or lane changes, which is crucial for safety and debugging. Businesses use XAI in recommendation systems to clarify why certain products or content are suggested, while cybersecurity teams depend on it to understand why an activity is flagged as malicious. In manufacturing, XAI supports predictive maintenance by identifying sensor patterns that indicate machine failure, and in HR or education, it provides clear reasons behind candidate screening or student performance predictions. Across all these sectors, XAI increases accountability, reduces bias, improves user confidence, and makes complex AI models easier for humans to trust and manage.





Crypto Fever

Yukti Ogare, BEIT

Crypto Fever: Meet the World's Most Digital-Money Obsessed Nations in 2025

As Bitcoin surges close to \$120,000, a new wave of crypto enthusiasm is sweeping across the globe. A study by ApeX Protocol reveals which countries are not just investing—but truly living the crypto life. By analyzing ownership rates, adoption growth, search trends, and cryptocurrency infrastructure, researchers identified the nations most deeply embracing digital assets in everyday life.

Singapore Leads the Revolution

Singapore claims the top spot, with nearly 25% of its residents owning cryptocurrency—a dramatic rise from just 11% in 2021. It also records the highest global search interest, with nearly 2,000 crypto-related searches per 100,000 people, showing both curiosity and confidence in digital finance.

UAE: Small Nation, Huge Impact

Close behind with a score of 99.7, the United Arab Emirates boasts the highest ownership rate at 25.3%. Crypto adoption jumped 210% in recent years, reflecting the region's rapid move toward blockchain-based innovation and digital asset integration.

USA: Infrastructure Powerhouse

The United States ranks third, thanks to its dominance in infrastructure, hosting nearly 30,000 cryptocurrency ATMs—more than any other country. While ownership stands at 15.5%, adoption has grown by 220% since 2019, reflecting strong institutional momentum.

Canada, Turkey & Europe Rise

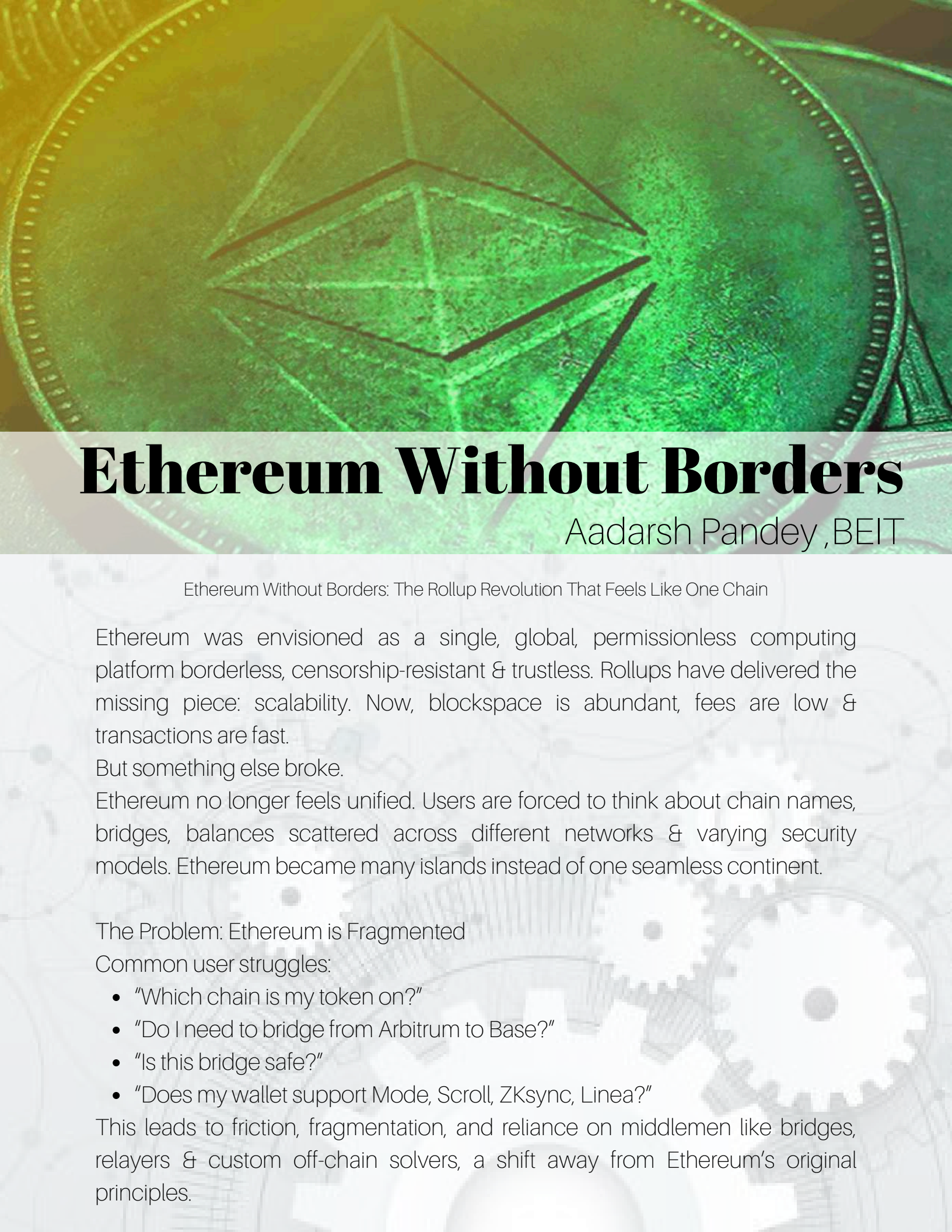
Canada secures fourth place with 3,500 ATMs and soaring adoption growth, while Turkey ranks fifth, driven by 19% ownership and high search interest—suggesting rising grassroots involvement.

Germany leads Europe in sixth, where adoption has surged to nearly one-third of the population, while Switzerland—long known for its “Crypto Valley”—follows closely with strong search activity and growing ownership.

Australia, Argentina & Indonesia complete the top ten, each showing distinct strengths—from ATM networks to ownership levels and growth trends.

What It All Means

According to Apex Protocol, cryptocurrency is no longer a fringe fascination—it's becoming part of national financial identities. From personal investments to everyday payments, digital assets are reshaping how people store value, make decisions & build trust in the digital age.



Ethereum Without Borders

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Ethereum Without Borders: The Rollup Revolution That Feels Like One Chain

Ethereum was envisioned as a single, global, permissionless computing platform borderless, censorship-resistant & trustless. Rollups have delivered the missing piece: scalability. Now, blockspace is abundant, fees are low & transactions are fast.

But something else broke.

Ethereum no longer feels unified. Users are forced to think about chain names, bridges, balances scattered across different networks & varying security models. Ethereum became many islands instead of one seamless continent.

The Problem: Ethereum is Fragmented

Common user struggles:

- "Which chain is my token on?"
- "Do I need to bridge from Arbitrum to Base?"
- "Is this bridge safe?"
- "Does my wallet support Mode, Scroll, ZKsync, Linea?"

This leads to friction, fragmentation, and reliance on middlemen like bridges, relayers & custom off-chain solvers, a shift away from Ethereum's original principles.

Built using ERC-4337 account abstraction, the wallet becomes your universal portal across all rollups, without relying on trusted bridges.

Ethereum replaced CEXs with DEXs.

Now it's time to replace trusted bridges with trustless interoperability.

Ethereum has already scaled. What's missing is unity. The Ethereum Interop Layer brings that unity back without sacrificing security, decentralization or trustlessness.



EMOTIONAL INTELLIGENCE



EMOTIONAL INTELLIGENCE IN AI

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As artificial intelligence (AI) becomes a part of daily life, there is a growing need for AI systems that can understand and respond to human emotions. This technology detects emotions from text, voice, and facial expressions. This technology also presents a simple model for an “Emotion-Aware AI Agent” that combines emotion sensing, understanding, and adaptive responses. This design helps the AI change its behaviour based on the user’s emotional state. In addition, we share early results from a prototype system, which show that users felt more satisfied and engaged when interacting with an emotionally intelligent AI compared to a normal AI. Traditional AI can answer questions and perform tasks, but it often misses the emotional meaning behind people’s words. Emotionally intelligent AI tries to solve this problem by studying tone of voice, facial expressions, and text to understand how someone is feeling. This helps the AI respond in a more natural, caring, and helpful manner. As a result, emotional intelligence makes AI tools easier to use, more trustworthy, and better at supporting people in different situations.

Real-World Applications

Emotionally intelligent AI is now used in many real-life areas. In mental-health apps, AI chatbots talk to users in a supportive way and understand when someone is upset or stressed. In education, smart learning platforms adjust the teaching speed or give encouragement based on how confident or confused a student seems. Customer service bots use emotion detection to identify angry or frustrated customers and provide faster help or connect them to a human agent. In healthcare, AI tools can study speech or expressions to notice signs of anxiety, sadness, or pain. In smart devices, virtual assistants can change their tone or suggestions based on the user's mood. These applications show how emotional intelligence helps make AI more helpful and user-friendly.

Emotional intelligence in AI is an important step toward making technology more human-like and supportive. By understanding emotions and responding gently and appropriately, AI can create better experiences for users. It is already helping in mental-health support, education, customer service, and many other fields. However, it is also important to handle emotional data carefully to protect user privacy and avoid unfair or biased decisions. Overall, emotionally intelligent AI has great potential to make future technologies more caring, interactive, and effective.



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