



TANTRADNYA

January-April 2025

Volume#12, Issue#1

DEPARTMENT OF INFORMATION TECHNOLOGY

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Dr. Radhika Kotecha, Head of Department

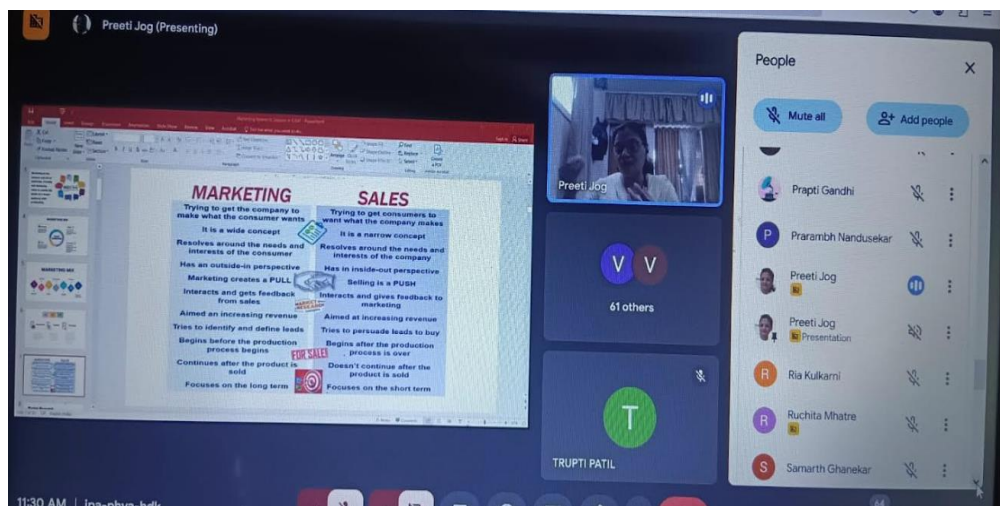
Ms. Seema Yadav, Assistant Professor

Tantradnya Newsletter

January-April 2025

- **Departmental Activities:**

- The Department of Information Technology has organized a session on "Marketing Research: A Deep Dive into Emerging Trends and Consumer Preferences" in coordination with Archana Kshirsagar and Trupti Patil.



- **Activities and Achievements of Faculty:**

- Dr. Hariram Chavan has organised International Summer Internship Program (ISIP) organized on 30th January 2025 for KJSIT students in association with PBLCOE-CGC Network (Vishwaniketan, India & CGC, Denmark) in foreign universities from Europe to USA & Southeast Asia.
- Dr. Hariram Chavan has designed the syllabus of Computational Theory for University of Mumbai, 3rd February 2025.
- Dr. Hariram Chavan has worked as a Critical evaluator for the Maharashtra Public Service Commission on 4th February 2025.
- Dr. Hariram Chavan participated in 5-day faculty development program on Systems & Software Security Jointly organised by Centre for Cybersecurity, Trust, and Reliability (CyStar), IIT Madras & IITDM Kancheepuram. Sponsored by the Information Security Education and Awareness (ISEA) initiative of MeitY and IDBI Bank. This 5-day program featured expert-led sessions & hands-on training, providing valuable insights into security challenges & best practices. Conducted from February 14th to February 23rd, 2025.



- Dr. Hariram Chavan was invited as session chair for 4th International Conference on Next Generation Technologies for Sustainable Development (ICNGT-2025), by SVKM's NMIMS Deemed to be University, Shirpur Campus, Dhule, Maharashtra, India on 28th & 29th March 2025,



- Dr. Hariram Chavan served as a reviewer for 2025 IEEE International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T-2025) at SIES Graduate School of Technology (Autonomous), Nerul, Navi Mumbai, Maharashtra - 400706, June 6th- 7th 2025.



- Dr. Hariram Chavan was invited as session chair for 2025 IEEE International Conference on Emerging Trends in Industry 4.0 Technologies (ICETI4T-2025) at SIES Graduate School of Technology (Autonomous), Nerul, Navi Mumbai, Maharashtra – 400706 on June 7th 2025.



- Dr. Hariram Chavan was invited as session Chair for an International Conference on Computing, STEM and Applied Sciences (ICCSAS-2025) organized by B. K. Birla College of Arts, Science and Commerce, Kalyan (Empowered Autonomous Status), on March 21, 2025.

**B. K. Birla College of Arts, Science & Commerce, Kalyan
(Empowered Autonomous Status)**



(Formerly known as Birla College of Arts, Science and Commerce, Kalyan)
Conducted by Kalyan Citizens' Education Society
Affiliated to University of Mumbai
'College of Excellence' status by UGC (2015-2020)
Reaccredited by NAAC (4th Cycle) with 'A++' Grade (CGPA - 3.51) (2024-2031)
'Performance Excellence Trophy - 2011 in Education' by JMC RBNQA Trust
'Best College Award' by University of Mumbai (2009)
ISO 9001:2015 Certified

Date: 15th March, 2025

Dr. Hariram K. Chavan
Department of Information Technology,
KJSIT, Sion, Mumbai.

Sir,

Greetings from B. K. Birla College, Kalyan!

B. K. Birla College of Arts, Science and Commerce, Kalyan a multi-faculty premier institution of higher learning, with an enrolment of 9,100+ students in UG, PG and Research Programmes is affiliated to the University of Mumbai. The College was established in 1972, by Kalyan Citizens' Education Society with the blessings of Pujya Shri B. K. Birla ji and Pujya Smt. Sarala ji Birla.

The College offers 37 UG, 36 PG courses and 09 Ph.D. programs. The College has been granted 'Autonomous Status' by UGC and UoM from the academic year 2018-19. The RUSA has sanctioned a grant of Rs. 5 crores to our college for 'Enhancing Quality and Excellence'.

The College has been approved as a Potential 'Mentor Institution', by UGC under PARAMARSH scheme (2019-20), 9 Mentee Colleges have been accredited by NAAC under the scheme.

The College has been reaccredited by NAAC (4th Cycle) with Grade - 'A++' and CGPA - 3.51 (2024 to 2031).

We are pleased to inform you that, we are organizing an **International Conference on 'Computing, STEM and Applied Sciences (ICCSAS-2025)'** scheduled from **20th to 22nd March 2025**.

More than 200 participants are expected to attend. This prestigious event will bring together leading Scientists, Experts, Researchers and Scholars from Institutions / Industry across the globe.

We wish to offer a significant platform for knowledge sharing, enact innovation, promote the exchange of scientific knowledge across disciplines and explore the latest trends and challenges in the fields of Applied Sciences and Technology; networking and fostering future collaborations.

The conference will serve as a forum for the participants to explore and discuss advancements that bridge theory and practice across the following tracks:

- Computing and Information Technology
- Environmental Science and Sustainability
- STEM Education and Learning Technologies
- Biotechnology and Life Sciences
- Mathematics and Applied Sciences
- Multidisciplinary Technologies

ICCSAS-2025 aims to address emerging challenges and advance education and research through interdisciplinary dialogue and networking in these fields.

It is our earnest desire to have you as our Esteemed Guest and be the Chairperson for oral presentation in online mode on Microsoft Teams, on Friday, the 21st March, 2025 at 10.00 am.

Please accept our invitation and oblige.

Warm regards,


(Dr. Nareesh Chandra)
Director (Education)


Principal

P.S. - A brief profile of the College is attached herewith for your kind perusal.

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E-mail : principal@bkbirlacollegekalyan.com ★ Website : www.bkbirlacollegekalyan.com

- Mr. Uday Rote has organized a workshop on IOT - using Arduino in the Department of IT—on 1st and 2nd April 2025.



- Mr. Uday Umakant Rote, Assistant Professor of K. J. Somaiya Institute of Engineering and Technology, Everard Nagar Ayurvihar Mumbai has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **Leveraging Artificial Intelligence for Climate and Sustainability** at K. J. Somaiya Institute of Technology from 03/02/2025 to 08/02/2025.



- Mr. Uday Rote has received an Appreciation **Certificate** for effort put in over the past several years since joining the institute, March 19, 2025, K. J. Somaiya Institute of Technology, Mumbai, India.
- Dr. Mansing Rathod has received **Appreciation Certificate** for effort put in over the past several years since joined in the institute, March 19, 2025, K. J. Somaiya Institute of Technology, Mumbai, India.
- Dr. Mansing Rathod attended one week AICTE Training And Learning (ATAL) Academy Faculty Development “**Program on High Performance Computing**” from January 6-11, 2025, organized by BHILAI INSTITUTE OF TECHNOLOGY, India.
- Dr. Mansing Rathod organized one week ATAL Faculty development Program (FDP) online on “**Leveraging Artificial Intelligence for Climate and Sustainability**” Sponsored by AICTE, from February 3-8, 2025, K. J. Somaiya Institute of Technology, Sion, Mumbai
- Dr. Mansing Rathod has attended one week AICTE Training And Learning (ATAL) Academy Faculty Dev. Successfully participated one week MIC driven activity on “**Intellectual Property UTSAV**” organized virtual by the All India Council for Technical Education Council (AICTE) and Ministry of Education Innovation’s Cell (MIC) from April 21-26, 2025.
- Ms. Seema Yadav published a paper on SMOTEHashBoost: Ensemble Algorithm for Imbalanced Dataset Pattern Classification in Open Access IEEE Access Journal , April 08, 2025.
- Ms. Seema Yadav successfully participated & completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.

ATAL/2025/1737102731



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi -110070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Mrs. Seema Karamchand Yadav, Assistant Professor of K.J Somaiya Institute of Engineering and Information Technology, Sion has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Leveraging Artificial Intelligence for Climate and Sustainability at K. J. Somaiya Institute of Technology from 03/02/2025 to 08/02/2025.

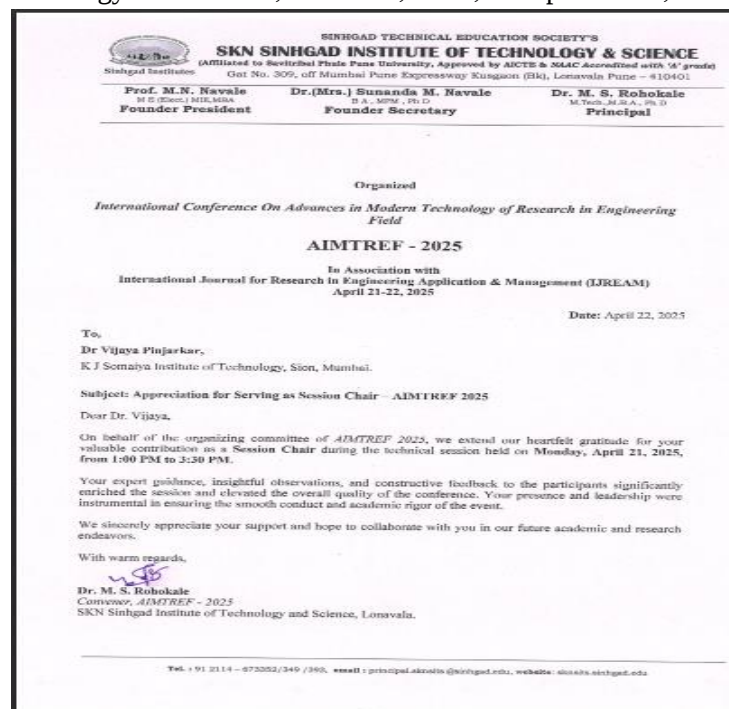
Radhika Kotecha
Professor Level (AICTE Institute), Coordinator
K. J. Somaiya Institute of Technology

Dr. Sunil Luthra
Director & Bureau Head
Training and Learning Bureau, AICTE

- Dr. Vijaya U. Pinjarkar received the best paper award for a paper titled “Storage-As-A-Service Leveraging Blockchain Technology in Pursuit of SDG 9” at the 4th OPJU International Technology Conference on Smart Computing for Innovation and Advancement in Industry 4.0 organized by O.P. Jindal University is a private university located in Raigarh, Chhattisgarh, India, April 9-11,2025

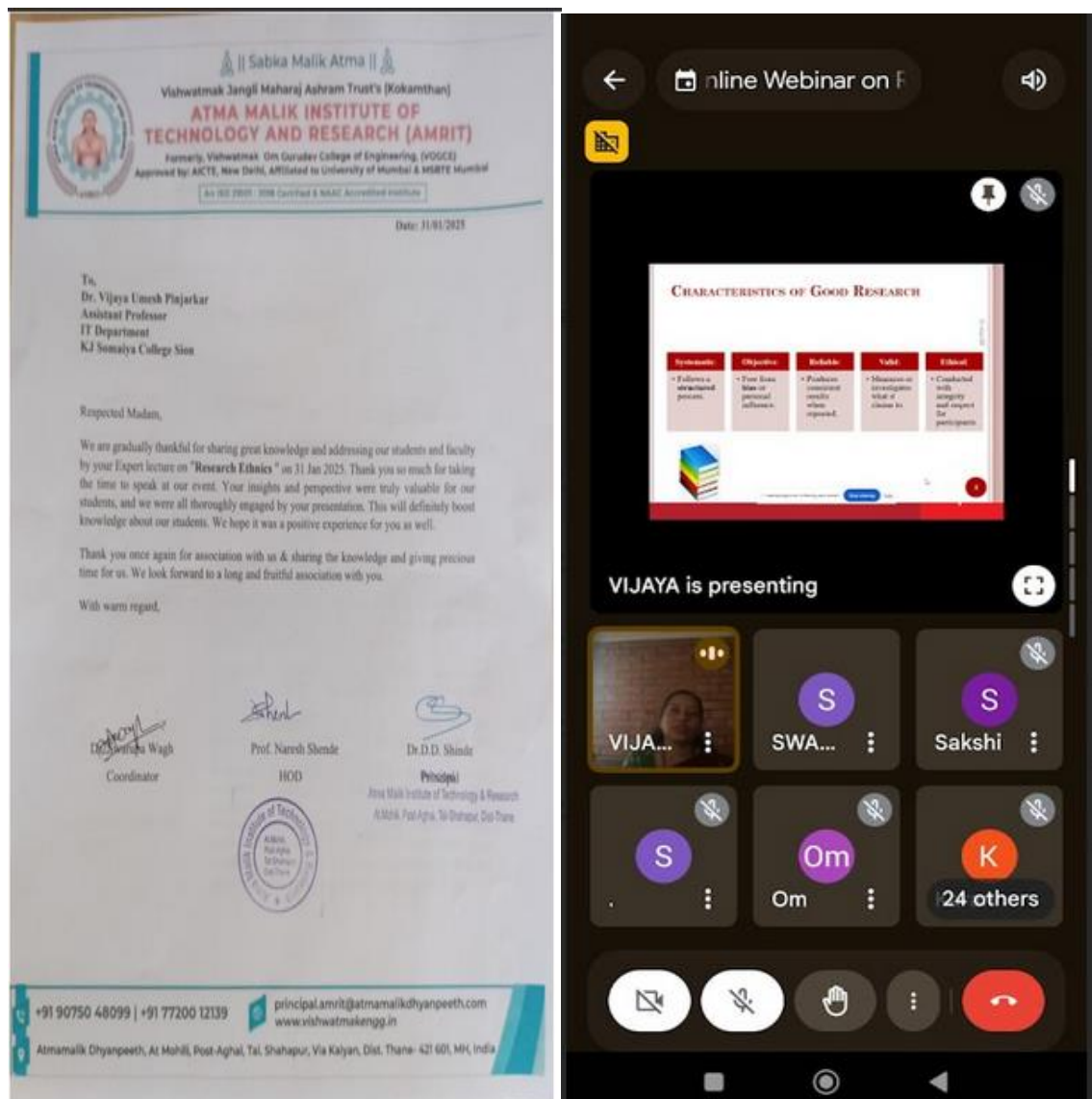


- Dr. Vijaya U. Pinjarkar served as the technical session chair at the international conference on advances in modern technology for research in the engineering field. held at SKN Sinhgad Institute of Technology and Science, Lonavala, India, on April 21-22, 2025.



- Dr. Vijaya U. Pinjarkar successfully participated in and completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.

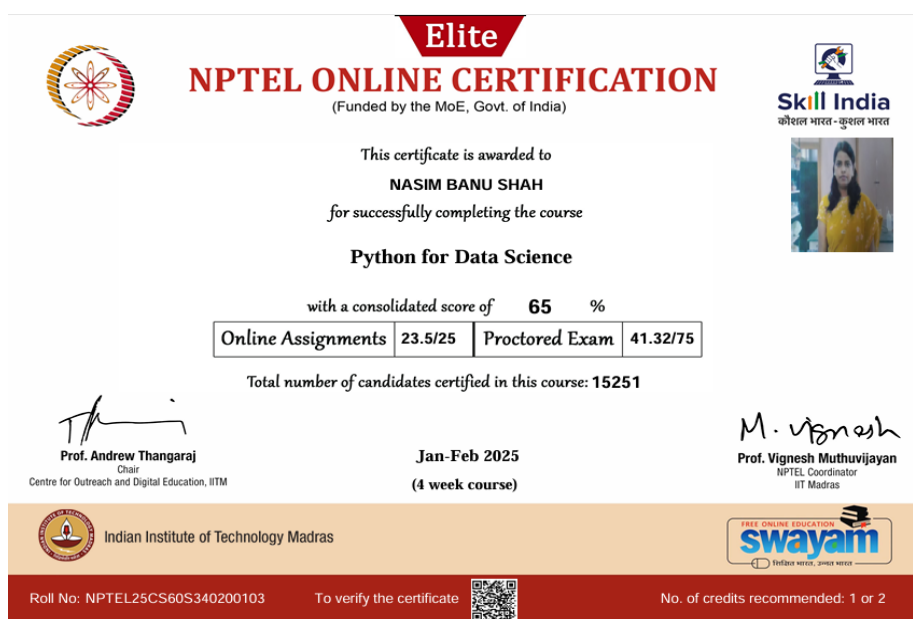
- Dr. Vijaya U. Pinjarkar served as a resource person at Webinar organised by Atma Malik Institute of Technology and Research, Mohili-Aghai Shahapur, Maharashtra 443201 dated: 31 Jan 2025



- Dr. Vijaya U. Pinjarkar acted as a reviewer in the International Conference on Smart Computing for Innovation and Advancement in Industry 4.0 (OTCON 4.0) organized by O.P. Jindal University, a private university located in Raigarh, Chhattisgarh, India, April 9-11, 2025.
- Dr. Vijaya U. Pinjarkar organized an industrial Visit at “Euclid Labs” (Blockchain Lab) at Somaiya School of Engineering, Vidyavihar for LY-IT students on April 4, 2025.



- Mrs. Nasim Shah has published a paper on “Optimized routing algorithm with AlexNet-ShuffleNet for plant leaf disease and infectious classification in IoT” is accepted for publication in an upcoming issue of “Journal of Neonatal Surgery (ISSN: 2226-0439)”.
- Mrs. Nasim Shah successfully completed the NPTEL Online Certification Course on “Python for Data Science” under the category “Elite” during January to February 2025.



- Mrs. Nasim Shah successfully participated & completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.



- Mrs. Nasim Shah successfully participated & completed ATAL Academy Faculty Development Program on “Smart Farming with Machine Learning: Sustainable Practices for Modern Agriculture” at Hyderabad Institute of Technology and Management during 20th January 2025 to 25th January 2025.



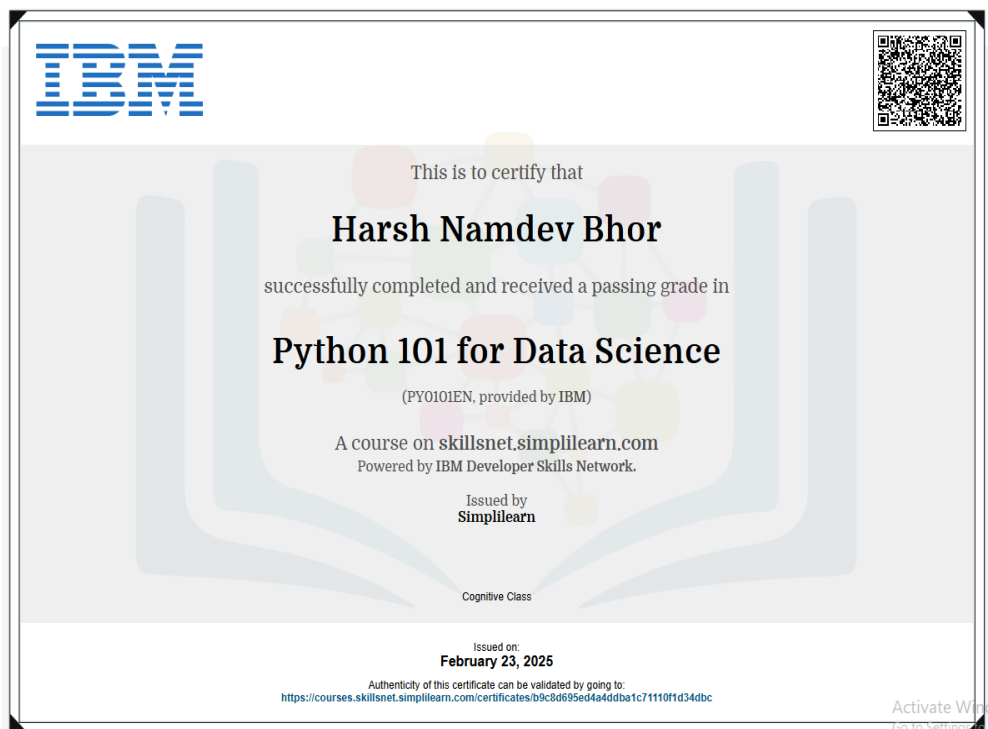
- Mrs. Nasim Shah has provided valuable support and cooperation as a Program Committee Member and Reviewer in the 5th International Conference on Computer Vision and Robotics (CVR 2025) held at National Institute of Technology, Goa during April 25 – 26, 2025.



- Mrs. Nasim Shah has voluntarily contributed as a reviewer of papers for IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2025), to be organized by IEEE MP Section and ABV-IIITM Gwalior, India on 6-8 March 2025.

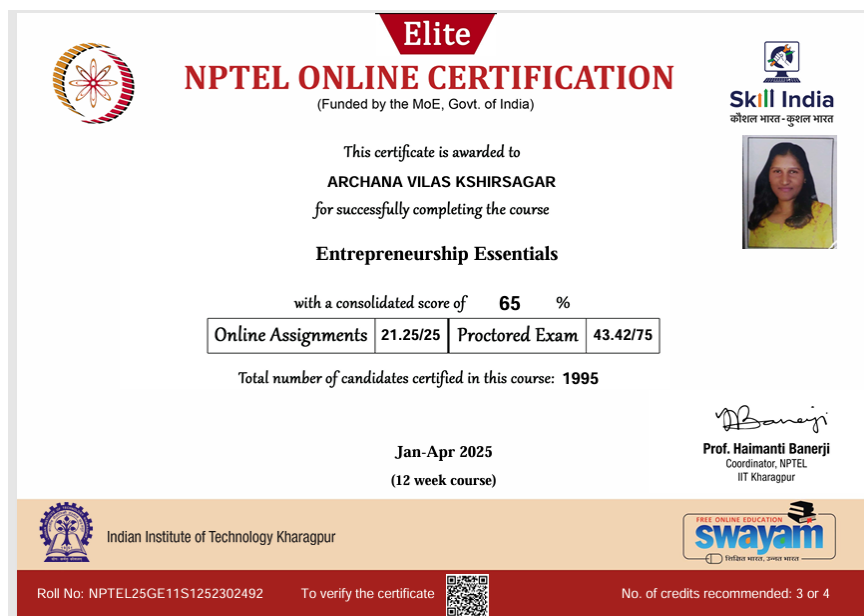


- Dr. Harsh Namdev Bhor Completed Certificate Program on Python for Data Science PY0101EN, provided by IBM.



- Dr. Harsh Namdev Bhore published a paper on Federated Learning for Privacy-Preserving Medical Image Analysis: A Chest X-Ray Case Study, J INFORM SYSTEMS ENG, 10(35s), 158 - 172, Mar 2025. <https://doi.org/10.52783/jisem.v10i35s.5945>
- Dr. Harsh Namdev Bhore published a paper on Smart Cloud Garbage Collection: Boosting Efficiency and Reliability, J INFORM SYSTEMS ENG, 10(30s), 578 - 586, March 2025. <https://doi.org/10.52783/jisem.v10i30s.4877>
- Dr. Harsh Namdev Bhore published a paper on Achieving Enhanced Space Efficiency and Crash Resilience in Cloud-based Garbage Collection Systems for Optimized Resource Management, J INFORM SYSTEMS ENG, 10(28s), 1079 - 1105, Feb 2025. <https://doi.org/10.52783/jisem.v10i28s.4994>
- Dr Harsh Namdev Bhore successfully participated & completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.
- Dr Harsh Namdev Bhore served as a reviewer for the First International Conference on Engineering and Technology for a Sustainable Future held on May 17-18, 2025 in Amravati, Maharashtra, India.
- Dr Harsh Namdev Bhore presented article Titled Unchaining Efficiency: Blockchain in Modern Supply Chain Management in International Conference on Futuristic Aspects in Science & Engineering (ICFAiSE-2025) to be held on February 06 & 07, 2025 organized by ICFAI University Jaipur.
- Dr Harsh Namdev Bhore received Best Paper Award for Presented article Titled Unchaining Efficiency: Blockchain in Modern Supply Chain Management in International Conference on Futuristic Aspects in Science & Engineering (ICFAiSE-2025) to be held on February 06 & 07, 2025 organized by ICFAI University Jaipur.
- Dr Harsh Namdev Bhore Session Chair in International Conference on Futuristic Aspects in Science & Engineering (ICFAiSE-2025) to be held on February 06 & 07, 2025 organized by ICFAI University Jaipur.

- Dr. Reena Lokare successfully participated & completed ATAL Academy Faculty Development Program on “AI Driven Growth: Shaping India’s Economy and Global Leadership” at MCT’s Rajiv Gandhi Institute of Technology, Mumbai from 24th February 2025 to 1st March 2025.
- Dr. Reena Lokare successfully participated & completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.
- Dr. Reena Lokare published a paper on Improving Breast Cancer Prediction through Explainable Artificial Intelligence- A transdisciplinary approach. **Indonesian Journal of Electrical Engineering and Computer Science**. (Publication in process- Accepted: March 2025). **Indexing: Scopus**.
- Dr. Reena Lokare published a paper on Enhancing Accessibility with LSTM-Based Sign Language Detection Systems. **IAES International Journal of Artificial Intelligence** 13, Vol. 14, No. 2, April 2025, pp.1355-1362. **Indexing: Scopus**.
- Ms. Sarita Rathod attended ATAL Online FDP on Leveraging Artificial Intelligence for Climate and Sustainability, sponsored by AICTE and organized by the Department of Computer Science and Engineering, K J Somaiya Institute of Technology, India.
- Ms.Sarita Rathod was invited as session chair for 9th International Conference on Information and Communication Technology for Intelligent Systems, Bangkok, 4-6 April, 2025.
- Ms. Priyanka Deshmukh successfully participated & completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.
- Ms. Priyanka Deshmukh contributed as reviewer in 2nd IEEE International Conference on Artificial Intelligence and Quantum Computation-Based Sensor Applications (ICAIQSA-2024) held on 20th & 21st December 2024 organized by the Department of Artificial Intelligence of G H Rasoni College of Engineering and Management, Nagpur, and technically co-sponsored by IEEE Bombay Section.
- Ms. Trupti Patil successfully participated & completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.
- Ms.Trupti Patil has successfully completed the certification course “Entrepreneurship Essentials” conducted by NPTEL (IIT Khargpur)
- Ms. Trupti Patil has successfully completed the 12 week FDP course on “Entrepreneurship Essentials” conducted by NPTEL (IIT Khargpur).
- Ms. Trupti Patil served as a reviewer for the International Conference on Artificial Intelligence and Sustainable Innovation 2025 (ICAISI-2025).
- Ms. Archana Kshirsagar has successfully completed the certification course “Entrepreneurship Essentials” conducted by NPTEL (IIT Khargpur)



- Ms. Archana Kshirsagar has successfully completed the 12 week FDP course on “Entrepreneurship Essentials” conducted by NPTEL (IIT Khargpur).

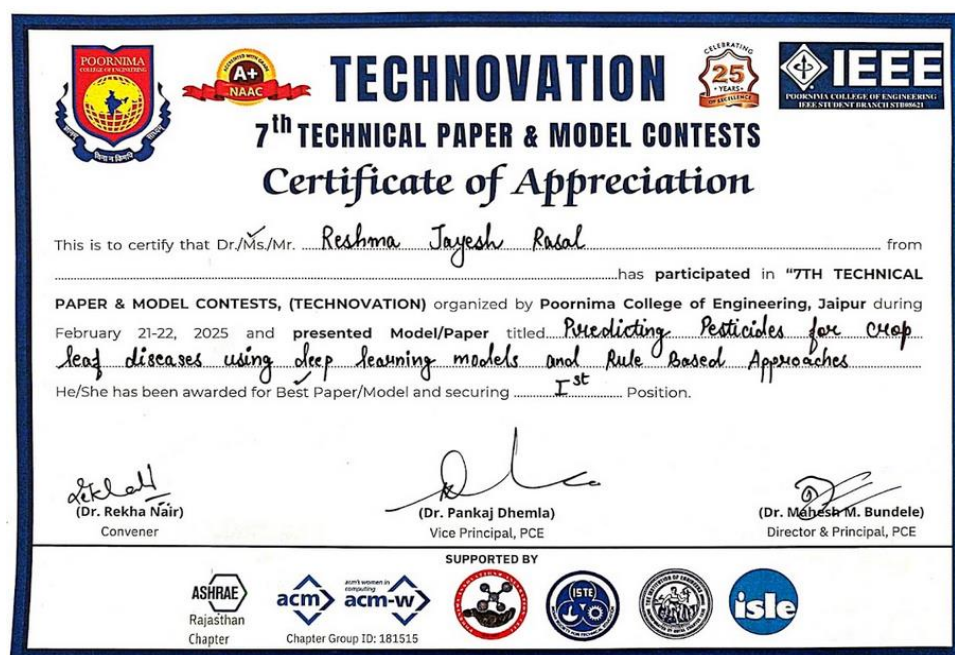


- Ms. Archana Kshirsagar served as a reviewer for the International Conference on Artificial Intelligence and Sustainable Innovation 2025 (ICAISI-2025).
- Ms. Bhagyashree Ingle successfully participated & completed ATAL Academy Faculty Development Program on “Leveraging Artificial Intelligence for Climate and Sustainability” at K. J. Somaiya Institute of Technology, Mumbai from 3rd February 2025 to 8th February 2025.
- Ms. Bhagyashree Ingle has successfully completed 12 weeks course (Jan-Mar 2025) on “Computer Networks And Internet Protocol” conducted by NPTEL (IIT Madras).
- Ms. Bhagyashree Ingle has successfully completed 8 week NPTEL- AICTE (Jan-Mar 2025) FDP course on “CMOS Digital VLSI Design ”conducted by NPTEL (IIT Madras).
- Ms. Bhagyashree Ingle has successfully completed 8 week NPTEL- AICTE (Jan-Mar 2025) course on “CMOS Digital VLSI Design ”conducted by NPTEL (IIT Madras).

- Ms. Bhagyashree Ingle has successfully completed 12 week (Jan-Mar 2025) FDP course on “Computer Networks And Internet Protocol” conducted by NPTEL (IIT Madras).
- Ms. [Reshma Rasal](#) has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Leveraging Artificial Intelligence for Climate and Sustainability at K. J. Somaiya Institute of Technology from 03/02/2025 to 08/02/2025.



- Ms. [Reshma Rasal](#) has successfully participated in “7th TECHNICAL PAPER & MODEL CONTESTS,(TECHNOVATION) organized by Poornima College of Engineering,Jaipur during February 21-22,2025 and secure 1st Position.



• Achievements of Students

- Student from Department of Information Technology Shubham Maity was the winner in Finothon organized by VighnoTech, Wealthify on January 21, 2025.



- Student from Department of Information Technology Ruchi Thakker secured 3rd rank for Project Titled "AI Powered Career Counselling" in TECHSPARKS 2025 Project Presentation Competition at Fr. Conceicao Rodrigues Institute of Technology on April 16, 2025



- Student from Department of Information Technology Ananya Prabhat registered a Start-up named as "Whiz media" under Ministry of Micro, Small and Medium Enterprises, Government of India.

2 of 5

UDAM REGISTRATION CERTIFICATE

UDAM-REG-20-0246259

WHILE MEDIA

NAME OF ENTERPRISE

TYPE OF ENTERPRISE *

MAJOR ACTIVITY

SOCIAL CATEGORY OF ENTREPRENEUR

NAME OF UNIT(S)

OFFICIAL ADDRESS OF ENTERPRISE

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS

BE A CHAMPION with the Ministry of MSME

- Student from Department of Information Technology Sanskar Srivastava is recognised as Co-Founder of Lexcrest Legal Tech solution



Certificate of Recognition

To whom it may concern

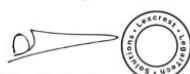
This Certificate is Proudly Presented to
Sanskar Srivastava

In recognition of your exceptional vision, leadership, and commitment as the
Co-Founder of Lexcrest LegalTech Solutions Pvt. Limited.

Your unwavering dedication, innovative thinking, and relentless passion have been instrumental in establishing, growing, and inspiring the success of the organization.

This certificate stands as a symbol of your invaluable contributions and entrepreneurial spirit.

Awarded on: 01/01/2024
Authorized by:
For Lexcrest LegalTech Solutions Pvt. Ltd.



Dhruv Prajapati
Founder and CEO
Lexcrest LegalTech Solutions Pvt. Ltd.

- Student from Department of Information Technology Yash Balotiya was qualified in the top 25 teams in Code Odyssey Hackathon at K J Somaiya Institute of Technology on October 06, 2024

Certificate Of Excellence

This is to certify that Mr./Miss. Yash Balotiya
of K J Somaiya Institute of Technology has qualified in the top 25 teams
for Code Odyssey 3.0, an offline hackathon organized by
Computer Society of India, K J Somaiya Institute of Technology
Students' Chapter on 5th and 6th October 2024

[Signature]

Dr. Vivek Sunnapwar
(Principal)

[Signature]

Prof. Uday Rote
(CSI Convener)

[Signature]

Dr. Mansing Rathod
(CSI Coordinator)

[Signature]

Prof. Nisha Vanjari
(CSI Coordinator)



- Students from Department of Information Technology Jatin Devendra Soneta, Dhruv Mokashe, Chirayu Agrawal developed software applications titled “AI Powered Predictive Policing” and “Chargesheet Submission Monitoring System” for the Eastern Region of Mumbai Police, covering zones 6 and 7.





- Students from Department of Information Technology Rishabh Gandhi Rahul Halvadiya , Rachit Picha, Prarambh Nandusekar, Atharva Gujarathi, Mahek Joshi, Rishabh Gandhi, Rahul Halvadiya, Rachit Picha, Prarambh Nandusekar, Atharva Gujarathi, Mahek Joshi secured 2nd position in Box Cricket in Intra-Score 2025 at K J Somaiya Institute of Technology on March 04, 2025.

