



KBTCOE

NEWSLETTER

MAY
2026

KBTCOE

Volume: X

Issue: V

MAY - 2026

Department of Computer Engineering Student Achievements



Ms. Samiksha Mundada (SY B.Tech) has designed the IPL
- 2026 Jersey of Rajasthan Royals



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

NAAC "A" Grade Accredited Institute

Permanently Affiliated to Savitribai Phule Pune University

Approved by AICTE, New Delhi. <http://www.kbtcoe.org>

Phone Number: 0253-2571439/2582891 E-mail: principal@kbtcoe.org



**KBTCOE**

NEWSLETTER

**MAY
2026****Volume: X****Issue: V**

The purpose of this Newsletter is to provide information to the student-staff fraternity of Nashik and society at large of the news, including relevant announcements and updates that we believe are important to them. However, this newsletter is also a valuable tool for bolstering morale, promoting unity, team spirit, motivating and rewarding achievements of KBT COE, Nashik. This KBTCOE Newsletter has started its journey since January 2017 and the latest issue is available on the college website: www.kbtcoe.org

The Maratha Vidya Prasarak Samaj is the pioneering organization established in 1914 helping common masses to acquire education in all the fields. There are around 452 schools & colleges all over Nashik District in Maharashtra. Our institute, Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering is always striving for the betterment of common people. In today's globally connected world, all the sectors need quality manpower. It is our prime responsibility to groom and develop the budding Engineers with multifaceted qualities like professional skills, innovative ideas, problem solving attitude, good communication skills, and social ethics, who can serve the society in a classic manner. We, the team at KBT College of Engineering, aim to educate and train the common masses through undergraduate and post graduate programs by inculcating the values for discipline, quality, transparency and foster career and professional development among the youth for the development of society. The Institute is NAAC "A++" Graded and has 05 of its departments NBA Accredited.

Our Vision, Mission and Objectives are as follows:

Vision:

To be internationally accredited, Multidisciplinary, and Multi-collaborative institute working on technology enabled platform fostering innovations and patents through state-of-art academic system designed by highly qualified faculty for the development of common masses at large

Mission:

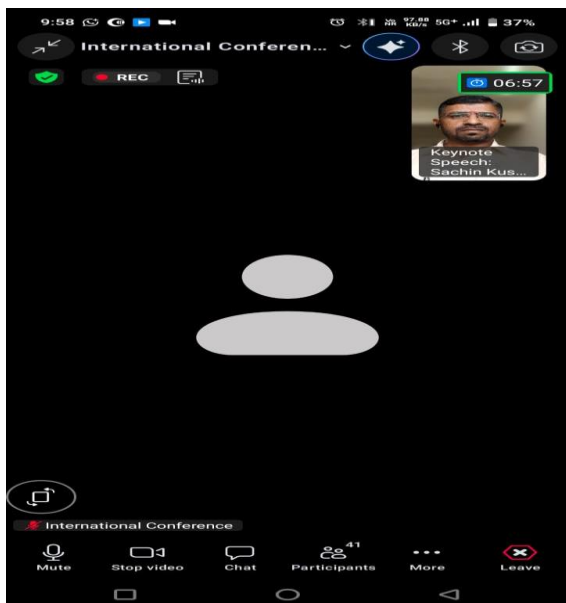
To educate and train common masses through undergraduate, post graduate, research programs by inculcating the values for discipline, quality, transparency and foster career and professional development for employment thereby contributing to the development of society

Objectives:

- ▶ To develop technically-sound engineers by engaging the students in progressive technical education and to promote students for academic growth by offering state-of-the-art undergraduate, postgraduate programmes.
- ▶ To undertake collaborative projects which offer opportunities for long-term interaction with society, academia and industry.

Expert Talks / Guest Lectures

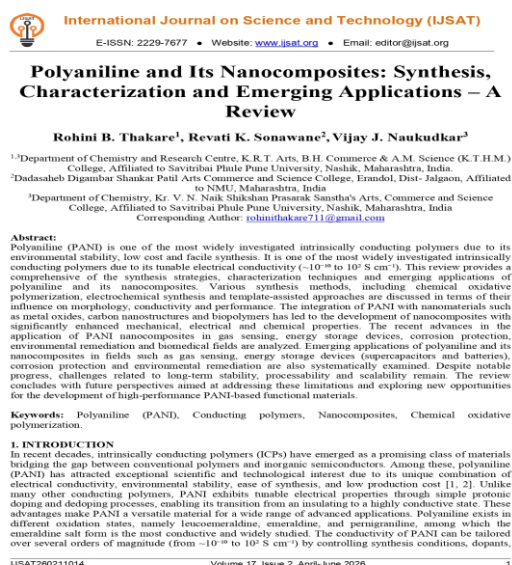
▪ Virtual Keynote Speaker (09/05/2026)



The Department of Applied Sciences and Humanities takes pride in sharing that Mr. Sachin Ramdas Kushare was invited as a Virtual Keynote Speaker at the International Conference on Applied Mathematics in Scientific Computing (ICAPMSC-26), held on 9th May 2026 in Venice, Italy. His invitation to deliver a keynote address at this prestigious international conference is a testament to his expertise and sustained contributions to the fields of applied mathematics and scientific computing. This achievement brings well-deserved distinction to the institution and reaffirms the department's growing presence in the global academic and research community.

Students / Staff Achievements

▪ Research Paper Published in Materials Science and Nanotechnology (06/05/2026)



The Department of Applied Sciences and Humanities is delighted to announce that Ms. Rohini B. Thakre has published a review article titled “Polyaniline and Its Nanocomposites: Synthesis, Characterization and Emerging Applications – A Review” in the International Journal on Science and Technology (IJSAT), Volume 17, Issue 2, April–June 2026. The paper offers a comprehensive overview of synthesis methods, characterization techniques, and emerging applications of polyaniline-based nanocomposites in areas such as energy storage, gas sensing, environmental remediation, corrosion protection, and biomedical technologies. This publication is a valuable addition to the department's growing body of research in conducting polymers and nanomaterials, and reflects Ms. Thakre's continued commitment to scientific excellence and innovation.

■ Design Patent Received (12/05/2026)



Adding another feather to its cap, the Department of Applied Sciences and Humanities congratulates Mr. Sachin Ramdas Kushare on the successful registration of his design titled “Interactive Educational Device for Integral Transform–Based Nanoscience” under the Designs Act, 2000, registered as Design No. 487739-001. This achievement highlights his commitment to innovation in education through the development of a novel learning device that promotes effective teaching and deeper conceptual understanding, and stands as an inspiring example of translating academic ideas into practical, usable tools for the classroom.

■ Research Paper Published in Scopus-Indexed Journal (15/05/2026)



In another proud moment for the Department of Applied Sciences and Humanities, Dr. Rahul A. Wagh has published a research article titled “Recent Advances in Dye-Sensitized Solar Cells (2020–2025): Stability, Scalability, and Application-Driven Progress” in the Scopus-indexed journal Characterization and Application of Nanomaterials (CAN), Volume 9, Issue 1, 2026. The publication makes a meaningful contribution to research in renewable energy and nanomaterials, particularly in the development and application of dye-sensitized solar cell technology, and reflects Dr. Wagh's sustained commitment to high-quality research and academic excellence within the department.

Department of Computer Engineering

Students / Staff Achievements

- Participation in IEEE International Conference (CCGE-2026) (7th – 8th March 2026)



Representing the Department of Computer Engineering with distinction, students Aditya Aher, Kaushal Sonaje, and Atharva Bele, along with Dr. V. S. Tidake, actively participated in the 2nd IEEE International Conference on Computing, Communication, Green Engineering and Emerging Technologies (CCGE-2026), organized by JSPM's Rajarshi Shahu College of Engineering (RSCOE), Pune, in association with the IEEE Pune Section. The conference offered an excellent platform to engage with researchers, academicians, and industry experts, and to gain fresh insights into emerging technologies in computing, communication, and green engineering. Sessions spanning multiple tracks gave participants the opportunity to explore recent advances and exchange ideas with peers from across the country. Their participation reflects the department's continued encouragement of research-oriented learning and academic enrichment among its students and faculty, and adds to a growing list of national and international conferences the department has engaged with this year.

- Copyright Secured for “RasaCare” Software (08/05/2026)



The Department of Computer Engineering proudly announces that students Kirtiraj Nitin Chaudhari, Pranjal Nitin Kapadnis, Rutuja Santosh Gangurde, and Altaf Ajit Tadavi, along with faculty members Ms. Manisha B. Thombare and Dr. Kedar Joshi, have secured a copyright for their innovative work titled “RasaCare: Comprehensive Cloud-Based Practice Management & Nutrient Analysis Software for Ayurvedic Dietitians, Tailored for Ayurveda-Focused Diet Plans.” This achievement reflects the team's dedication to building technology-driven solutions that support Ayurvedic dietitians in practice management, nutrient analysis, and personalized diet planning. By combining cloud infrastructure with domain-specific nutrient analysis, RasaCare offers practitioners a practical, scalable tool that fits naturally into their daily practice, and highlights the department's growing commitment to research, innovation, and impactful healthcare technology.

- Copyright Granted for “UDAAN: AI Powered Fitness Assessment Application” (31/05/2026)

Continuing its strong research momentum, the Department of Computer Engineering announces that a copyright has been granted for the work titled “UDAAN: AI Powered Fitness Assessment Application,” registered with the Copyright Office, Government of India, under Application No. B. S. Tarle.

This achievement highlights the team's innovative approach to AI-driven assessment systems and strengthens the department's growing research footprint in applied artificial intelligence. LD-44298/2025-CO. The application is an AI-based mobile platform designed for fair, scalable, and transparent talent and fitness assessment, allowing users to record and submit videos for evaluation. The work was authored by Riya Rajesh Avasthi, Manjiri Jitendra Avasthi, Shravan Rajendra Porje, and Mohit Shriv.

- Winning Design in IPL 2026 “Pink Promise” Jersey Contest (May 2026)



Bringing fresh laurels to the Department of Computer Engineering, Samiksha Mundada, a Second Year B.Tech. student, achieved a remarkable feat during IPL 2026 by designing the Rajasthan Royals “Pink Promise” jersey. Her creative design was selected as the winning entry from more than 8,000 submissions, a testament to her exceptional talent, innovation, and artistic vision. As part of this prestigious achievement, Samiksha had the unique opportunity to personally present the jersey kit to her favourite Rajasthan Royals player. Her accomplishment has brought great pride to the department and stands as an inspiration to fellow students to pursue creativity and excellence beyond the classroom.

- NPTEL Certification in Cloud Computing (January–April 2026)



Reflecting the Department of Computer Engineering's continued emphasis on faculty development, Ms. M. B. Thombare successfully completed the 12-week NPTEL Online Certification Course on Cloud Computing. The course provided comprehensive exposure to cloud computing concepts, architectures, deployment models, virtualization, cloud services, and emerging technologies. This certification has strengthened her technical expertise and her ability to weave contemporary cloud computing concepts into teaching and academic activities, further enriching the quality of education and skill development offered to students.

- NPTEL Certification in Human Computer Interaction (January–April 2026)



In a similar display of commitment to lifelong learning, Ms. Dipika Laxman Tidke of the Department of Computer Engineering successfully completed the 12-week NPTEL Online Certification Course on Human Computer Interaction, earning the prestigious Elite certification with an outstanding consolidated score of 90%. This achievement demonstrates her strong grasp of user-centered design, usability principles, interaction design, and human-computer interface development, and reflects a continued commitment to professional growth that will further enrich students' learning experience in emerging areas of computing and user experience design.

Other Activities

- Alumni Session by Mr. Kunal Bhusare (2007 Batch) (18/05/2026)



The Department of Computer Engineering hosted an engaging alumni session with Mr. Kunal Bhusare, an alumnus from the 2007 batch, who interacted warmly with faculty from the Computer, IT, and AI&DS departments. Drawing on his industry experience, Mr. Bhusare shared valuable insights on mentoring students and the specific skills students should focus on from an industry standpoint. The session, coordinated by Dr. V. S. Tidake, gave faculty fresh perspectives on strengthening student skill development and reinforced the department's strong bond with its alumni network.

- MoU Signed with Employability Express Verband LLP (EEV) (14/05/2026)



The Department of Computer Engineering signed an MoU with Employability Express Verband LLP (EEV) to enhance students' employability and professional development. Through its InternBoot platform, EEV will offer virtual internship opportunities, skill development programs, and industry exposure, helping students gain practical experience and improve their career readiness. The initiative aims to bridge the gap between academic learning and industry requirements through hands-on training and direct interaction with professionals. The collaboration is being coordinated by Ms. M. B. Thombare, with support from Mr. Yogesh Dhangar, ensuring effective and sustained implementation of the program.

- **MoU Signed with Robonex Innovations (18/05/2026)**



Continuing its efforts to strengthen industry ties, the Department of Computer Engineering signed an MoU with Robonex Innovations to deepen students' practical learning and industry engagement. Through this collaboration, Robonex Innovations will offer internship opportunities and enable students to work on live projects, gaining hands-on experience and building industry-relevant skills. The MoU was signed in the presence of Mr. Ketan Thorat, Founder and Lead of Robonex Innovations, who expressed his commitment to supporting student growth and career development. The activity was coordinated by Ms. M. B. Thombare.

- **MoU Signed with MIT ADT University – CRIEYA (May 2026)**

The Department of Computer Engineering also signed an MoU with MIT ADT University's CRIEYA (Centre for Research, Innovation, Entrepreneurship and Youth Affairs) to promote innovation, entrepreneurship, and research-driven learning among students and faculty. The activity was coordinated by Dr. B. S. Tarle.

CRIEYA is dedicated to nurturing inno-preneurship by building a vibrant innovation ecosystem that helps transform academic projects into viable products and systems. Through this collaboration, students and faculty will gain fresh opportunities to develop original ideas, take part in entrepreneurial activities, and work on solutions to real-world challenges, fostering creativity and an entrepreneurial mindset across the academic community.

- **MoU Signed with D.B. Infotech Pvt. Ltd. (21/05/2026)**

The Department of Computer Engineering signed MoU with D. B. Infotech, Navi Mumbai, to enhance students' career opportunities. The MoU was signed in the presence (online) of Mrs. B. Infotech Pvt. , who expressed her commitment to supporting academic and professional growth through this partnership. The activity was coordinated by Dr. B. S. Tarle.

Under this collaboration, the company will provide internship opportunities, Faculty Development Programs (FDPs), and student placement support, enabling both students and faculty to gain valuable industry exposure and stay current with emerging technological trends.

- **Alumni Interaction with Ms. Jasmine Bhutada (First Batch, 2003) (19/05/2026)**



The Department of Computer Engineering welcomed Ms. Jasmine Bhutada, an alumna from its very first batch of 2003, for an engaging interaction with faculty from the Computer, IT, and AI&DS departments. Ms. Bhutada discussed the emerging field of Agentic AI and generously shared her professional experience in the domain. The alumni session, coordinated by Dr. V. S. Tidake, offered faculty a valuable window into evolving industry trends and reaffirmed the strength of the department's alumni relationships.

Department of Instrumentation & Control Engineering

Expert Talks / Guest Lectures

- Expert Interaction on Agriculture Resources Management and Technology (27/05/2026)



Continuing its engagement with domain experts, the Department of Instrumentation & Control Engineering saw Dr. A. R. Kulkarni attend a ninety-minute Expert Interaction session on Agriculture Resources Management and Technology, held online. The session proved highly informative, covering practical ways to help farmers increase income through exports, extend product shelf life, and treat animal diseases using ozone-based methods. Several IIT experts elaborated on the emerging use of ozone technology in agriculture, offering valuable takeaways for the department's ongoing interdisciplinary learning. The session underscored the growing relevance of instrumentation and sensor-based solutions in agricultural technology, an area the department continues to explore through its faculty's expert engagements.

Seminars / Webinars / Workshops / Conferences

- FDP on “Research Methodology and Academic Writing in the Digital Age” (18–22 May 2026)



In a step toward strengthening research capabilities within the Department of Instrumentation and Control Engineering, Dr. S. H. Jadhav (Associate Professor) attended a 5 days FDP on Research Methodology during 18th to 22nd May 2026. The FDP was organized by the Department of Instrumentation and Control Engineering, Pravara Rural Engineering College, Loni, and offered valuable exposure to modern research and academic writing practices suited to the digital era, further strengthening participants' capacity for high-quality scholarly work and reinforcing the department's culture of continuous learning.

Students / Staff Achievements

▪ FDP on “Autotronics” Completed (13/05/2026)



The Department of Instrumentation and Control Engineering continues to invest in faculty growth, with Mr. S. R. Pandit successfully completing a 12-week online Faculty Development Program (FDP) on “Autotronics,” organized by NPTEL-AICTE, with a commendable consolidated score of 84%. The program helped him sharpen his professional skills and gain deeper insight into the Automotive Instrumentation domain, knowledge he is expected to carry forward into his teaching and research.

▪ Course Completed on “Microprocessors and Microcontrollers” (18/05/2026)



In a similar effort toward continuous learning, Mr. V. A. Ahirrao of the Department of Instrumentation and Control Engineering successfully completed a 12-week online NPTEL-AICTE course on “Microprocessors and Microcontrollers” with a consolidated score of 62%. The course deepened his understanding of workplace and organizational dynamics while offering fresh insight into the Embedded Systems domain, further strengthening the department's technical expertise.

▪ FDP on “Autotronics” (29/05/2026)



Rounding off a strong month of faculty development for the Department of Instrumentation and Control Engineering, Mr. S. B. Lukare successfully completed a 12-week online Faculty Development Program (FDP) on “Autotronics,” organized by NPTEL-AICTE, achieving an impressive consolidated score of 92%. The program deepened his understanding of the Automotive Instrumentation domain and reflects the department's sustained commitment to faculty excellence.

Other Activities

- Alumni Visit by Mr. Swapnil Lande (Batch 2022) (02/05/2026)

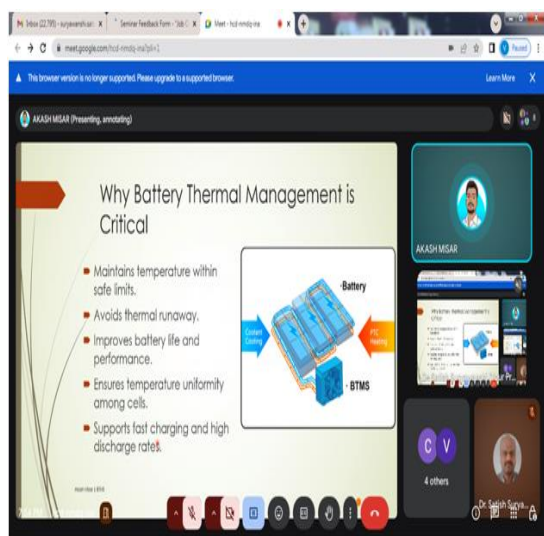


The Department of Instrumentation & Control Engineering was delighted to host alumnus Mr. Swapnil Lande, from the 2022 batch, currently working as Senior Software Developer at Mind Browser Pvt. Ltd., Pune. His visit, valuable insights, and willingness to share his academic and professional journey were warmly appreciated by students and faculty alike. His interaction proved to be a great source of motivation for students and further strengthened the enduring bond between the department and its alumni community.

Department of Mechanical Engineering

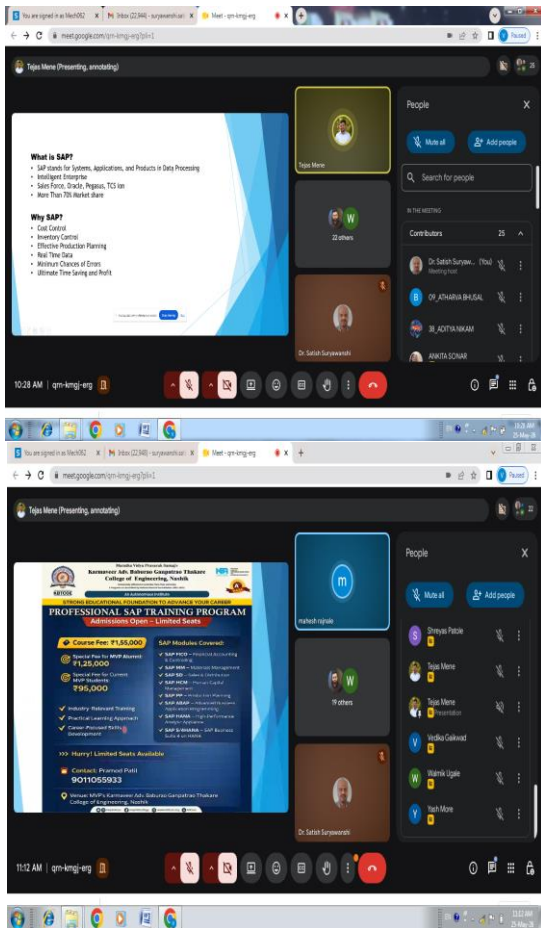
Seminars / Webinars / Workshops / Conferences

- Webinar on “Battery Thermal Management” (15/05/2026)



The Department of Mechanical Engineering organized an insightful webinar on “Battery Thermal Management,” featuring alumnus Mr. Akash Misar (2020 batch) as the guest speaker. Mr. Misar explained the heat generation process in batteries and the critical importance of thermal management, walking students through the step-by-step process of CFD simulation for battery thermal systems. He also engaged directly with students, addressing their queries on the current landscape of thermal management and the types of batteries commonly used in the EV and solar industries today. The session gave students a practical, industry-oriented perspective on a topic that is becoming increasingly central to automotive and energy storage design. Prof. S. J. Suryawanshi proposed the vote of thanks, bringing the session to a fitting close.

▪ Webinar on “Career Opportunities in SAP” (25th – 26th May 2026)



The Department of Mechanical Engineering organized a webinar on “Career Opportunities in SAP for Mechanical Engineers,” inviting Mr. Tejas Mene, Senior Consultant at Infosys Ltd. and a 2017 batch alumnus, as the expert speaker. Prof. S. J. Suryawanshi, Department Alumni Coordinator, welcomed the guest, while Head of Department Dr. A. B. Kakade shared his perspective on the range of opportunities available to Mechanical Engineers in the SAP ecosystem. Mr. Mene walked students through key SAP modules — Material Management, Production Planning, and Sales & Distribution — along with the latest ABAP and HANA technologies, and outlined the career opportunities available in the field. He also fielded students' questions on SAP with clarity and enthusiasm, offering practical advice.

कर्मवीर अॅड. बाबुराव गणपतराव ठाकरे
अभियांत्रिकी महाविद्यालयातर्फे महाराष्ट्र दिन व
कामगार दिनाच्या हार्दिक शुभेच्छा!
शुभेच्छुक
प्राचार्य, सर्व कर्मचारी व विद्यार्थीवर्ग

Dr. S. R. Devane
Principal