



# K K Wagh Education Society's K K Wagh Institute of Engineering Education and Research, Nashik.

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TECHNICAL NEWS LETTER

## ■ Smart India Hackathon 2025

K. K. Wagh Institute of Engineering Education and Research, Nashik achieved a historic milestone by securing No. 1 Rank nationwide in the Software Category at Smart India Hackathon (SIH) 2025, marking its fourth consecutive national-level success. Out of a record 11 teams qualifying for the grand finale, six teams emerged as winners, demonstrating outstanding innovation, technical excellence, and strong social relevance. Smart India Hackathon 2025 was jointly organized by the Ministry of Education, Government of India, AICTE, Innovation Cell of Government of India, and SBI Foundation, and was conducted on 8th–9th December 2025 across multiple nodal centres nationwide.

## ■ All-Girls Team 'Srujymya' Shines at Guntur

At KKR & KSR Institute of Technology and Sciences, Guntur, the all-girls team "Srujymya" won first prize and ₹1.50 lakh for their solution on the AICTE–Indian Knowledge System problem statement under the guidance of Prof. Priya Rakibe and Engineer Tisha Katariya.



## ■ Solution to ISRO Problem at Ahmedabad

Team "Sahasransh" secured first prize and ₹15,000 at Gujarat Technological University, Ahmedabad, for their innovative solution to an ISRO problem statement, guided by Prof. Priya Rakibe.



## ■ MathWorks Innovation at Bengaluru

At M.S. Ramaiah University of Applied Sciences, Bengaluru, Team "TwinX" won first prize and ₹1.50 lakh for a MathWorks India problem statement under the guidance of Prof. Priya Rakibe and Prof. Payal Jadhav.



## ■ Agricultural Solutions at Kolhapur

At KIT Institute of Engineering, Kolhapur, Team "Agratas" secured first prize and ₹75,000, while Team "CableSense" won first prize and ₹1.50 lakh, both addressing Ministry of Agriculture & Farmers Welfare problem statements.



### ■ Success at Odisha Nodal Centre

At Biju Patnaik University of Technology, Rourkela, Team “AquaCredz” achieved first prize and ₹ 75,000 for their MoA & FW-based solution under the guidance of Prof. Priya Rakibe and Prof. Poonam Patil.



### ■ Winners at PEC Hacks

Computer Science Departmental Team Crazy Explores emerged as the winners of the PEC problem statement titled “Drone & IoT-Based Automated Water Sampling with Real-Time Public Data.” The team secured 1st Rank along with a cash prize of ₹ 1,00,000. The team members are Ayushi Deore, Riya Patil, Meghraj Bhavsar, Dhruv Mehta, and Shreyas Salunke.



### ■ Winners of ML Nashik’s Gen AI Thon

Computer Science Departmental Team Dhruva emerged as the winners of ML Nashik’s Gen AI Thon, powered by Google for Developers. This outstanding achievement reflects their dedication, innovation, and teamwork, earning them 1st Rank along with a cash prize of ₹5,000. The team members are Shweta Mahajan, Aryan Suryavanshi, and Zaid Shaikh.



### ■ MoU Signing

The K. K. Wagh Institute of Engineering Education and Research, Nashik, signed a Memorandum of Understanding (MoU) with Adobe Netherlands on 8th December 2025, facilitated through the Department of Master of Computer Applications (MCA). The collaboration aims to offer Adobe Digital Experience (DX) Certification Programs to students and faculty, enhancing digital skills and employability. The MoU supports academic excellence through access to Adobe’s industry-recognized learning resources. The agreement is valid for five years (2025–2030). Dr. V. C. Bagal served as the witness for the MoU signing ceremony.



MoU with Adobe Netherlands

### ■ K K Wagh Education Society, Nashik makes a mark at AIMA Index

On 1st December 2025, Dr. K. N. Nandurkar, Director, and Dr. S. N. Jain, Head of the Chemical Engineering Department, K. K. Wagh Institute of Engineering Education and Research, Nashik, visited the AIMA Index stall of K. K. Wagh Education Society, Nashik.

They interacted with staff and students, who enthusiastically showcased innovative projects, reflecting the institute’s strong commitment to innovation and excellence. They also visited stalls of other industries and interacted with industry representatives.

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Visit to AIMA Index stall of K. K. Wagh Education Society  
The stall was inaugurated by distinguished alumni entrepreneurs Mr. Ravi Shamdasani and Mr. Avinash Ekhande.

### ■ Health and Hygiene Awareness Program

On 5th December 2025, K. K. Wagh Institute of Engineering Education and Research, Nashik organized an awareness program in collaboration with Dr. Lad Hospital to promote health, hygiene, and environmental responsibility among students. The program was conducted successfully in two venues—Meeting Hall No. 2, Central Office, and the Computer Engineering Seminar Hall. The session focused on personal hygiene, menstrual health awareness, correct use of menstrual cups, and the adverse impact of plastic and sanitary napkins on soil and water pollution. The initiative aimed to educate girl students about sustainable practices and encourage eco-friendly alternatives for menstrual hygiene. The program witnessed active participation and positive response from students and faculty members.



Health and Hygiene Awareness Program

### ■ Project Exhibition cum Contest of Final Year Projects

The Internal Quality Assurance Cell (IQAC), KKWIEER, Nashik organized the Project Exhibition cum Contest of Final Year Projects on

10th December 2025 to promote innovation and socially relevant engineering solutions. The event was inaugurated by Director Dr. K. N. Nandurkar in the presence of judges, faculty members, and students. A total of 230 projects were scrutinized, with 24 projects shortlisted for the final competition. The institute-level first prize was awarded to the Civil Engineering project titled “Web-Based Application for Automated Estimation of Construction Work.” Prize money worth ₹26,000 was distributed among the top 3 winners and consolation prizes winners, and the judges appreciated the quality, innovation, and societal impact of the projects.



### ■ Felicitation of Placed Students

On 12th December 2025, Dr. P. K. Shahabadkar and Dr. R. K. Munje, along with Prof. Saravanan, visited Sindhu Sagar Academy, Nashik, to attend the felicitation ceremony of placed students, celebrating their achievements.



### ■ International Internship in Dubai

A total of 11 students successfully completed a one-month international internship in Dubai from 17th December 2025 to 12th January 2026. The internship included students from multiple disciplines: AI & DS (4 students), Mechanical Engineering (1 student), Civil Engineering (2 students), CSD (2 students), and Information Technology (2 students).



Students who participated in Dubai Internship

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### ■ Collaborative Strategies for Teaching Engineering Mathematics

A two-day participative workshop on “Collaborative Strategies for Teaching Engineering Mathematics” was organized by the Internal Quality Assurance Cell, K. K. Wagh Institute of Engineering Education & Research, Nashik, on 12th and 13th December 2025. The workshop featured expert sessions by Prof. Dr. Vivek Patkar, Ex-Professor, ICFAI University; Prof. Dr. Gahininath Sonawane, Associate Professor, S.P. College, Pune and Prof. Dr. Jatin Majithia, Head, Applied Science & Humanities, IIT Pune. The sessions focused on innovative pedagogical strategies for Engineering Mathematics. The collaborative and interactive discussions made the workshop an enriching academic experience for faculty members.



Mathematics Workshop Participants and Experts

### ■ Energy Conservation Day Celebration

The Department of Electrical Engineering, in association with the Institution’s Innovation Council (IIC) and the EFFECT student body, celebrated National Energy Conservation Day on 16th December 2025. The program aimed to promote awareness of energy conservation, electrical safety, and sustainable energy practices. On this occasion, students actively involved in energy conservation and electrical safety awareness activities under the EEAP course were felicitated. The event was graced by Shri Sundar Latpate, Chief Engineer, MSEDCL, who shared valuable insights on MSEDCL’s energy conservation initiatives, inspiring students and faculty. The program was held in the presence of Director Dr. Keshav Nandurkar and HOD Dr. Ravindra Munje, coordinated by faculty members with strong student participation. A total of 98 participants attended, making the event a meaningful step towards promoting sustainability and energy awareness.



Energy Conservation Day Celebration

### ■ Faculty Interaction Session with Dr. Pankaj Koinkar

On 31st December 2025, an interactive session was organized for faculty members with Dr. Pankaj Koinkar, Professor at Tokushima University, Japan. The session was highly enriching, offering valuable insights into research practices and teaching-learning processes followed in Japanese universities. The discussion highlighted academic culture, research innovation, and global best practices in higher education, contributing significantly to international academic exposure and collaboration.



Felicitation of Dr. Pankaj Koinkar

### ■ Veer Bal Diwas

Kusumagraj Central Library celebrated “Veer Bal Diwas” on 26th December 2025 to honor the unparalleled courage and supreme sacrifices of the four Sahibzades of Sri Guru Gobind Singh Ji. On this occasion, various educational and awareness activities were organized, including a slogan writing competition on the theme “The India I Want to See”, conducted from 26th to 31st December 2025, with participation from 13 students. A digital “Veer Bal Wall Poster” was also designed and displayed on the digital board to spread awareness. The program was attended by Director Dr. K. N. Nandurkar, faculty, staff, and students. Additionally, ISTE student members took a pledge reaffirming their commitment to truth, justice, courage, and service to the nation.

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Glimpses of the Veer Bal Diwas celebration and pledge by students

#### ■ Manak Manthan Program for MSME Industries

Event was successfully organized by the Standards Club, K. K. Wagh Institute of Engineering Education & Research, Nashik on 2nd December 2025, in collaboration with BIS Mumbai Branch Office and CII North Maharashtra Zonal Council. The one-day program witnessed participation from over 50 MSME representatives and academicians, focusing on the importance of Indian Standards, BIS certification procedures, and quality culture. Expert sessions by BIS officials provided valuable insights into standards related to electrical, mechanical, and automobile products. The event strengthened industry-academia collaboration, promoted standard adoption among MSMEs, and concluded with positive participant feedback and certificate distribution.



Participants of Manak Manthan Program

#### ■ EXPERT LECTURE / SEMINAR / COURSES / WORKSHOP CONDUCTED :

Mechanical Engineering department organized following informative events in Dec. 2025:

- An expert talk on “The communication of language of Engineering Drawing” for 1st year

Mechanical Engineering students by Ankush Jaju of Jaju Innovations Nashik, on 17th December 2025.

The MCA department organized following informative events in Dec. 2025:

- Expert session on “Role of Counsellor - To balance MAP” by “Dr. Pratibha Chandak,” Counsellor, KKWIEER, Nashik on 05th December 2025.
- Expert session on “Adobe Digital Experience Certification Program” by “Germaine Pegado,” Senior Learning & Development Manager, Datamatics Global Services Limited, Philippines, on 13th December 2025.
- Expert session on “Frontier AI Factory Concept” by “Ms. Jitendra J. Rathod,” Sr. Director, XLM Technologies, Nashik on 18th December 2025.

#### ■ EXPERT LECTURE / SEMINAR / COURSES / WORKSHOP CONDUCTED :

- Computer Eng. Department Faculty, Prof. P. P. Vaidya, Prof. J. R. Mankar, Prof. S. S. Bhandare, Prof. S. D. Jadhav attended One-Week National Level Faculty Development Program on "Generative AI and Large Language Models: Concepts, Tools & Applications" in association with IEEE Pune Section organized by the Department of Artificial Intelligence and Data Science, Keystone School of Engineering from 15th to 19th December 2025.
- Computer Science & Design Department Faculty Dr. Y. D. Bhise, Prof. V. P. Channe, Prof. M. P. Deshmukh, Prof. Indu Seethanathan, Prof. M. C. Pawar, Prof. N. H. Gaidhani, and Prof. R. K. Dhurjad attended one week FDP on “Modern Agile Principles for transforming Educational Practices” Organized by VIT Pune from 8th to 12th December 2025. Prof. V. P. Channe, Prof. M. P. Deshmukh, Prof. N. H. Gaidhani, and Prof. R. K. Dhurjad attended one week FDP on” Research Writing, Proposal, Funding & IPR” Organized by Department of Civil Engineering, TSSM’s, Bhivarabai Sawant College of Engineering & Research, Narhe, Pune in the duration of 22-27 December 2025. Prof. R. K. Dhurjad Attended AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Recent Advances in AI and ML: Bridging Research and Industry” organized by Birla Institute of Technology, Jaipur in the duration of 15- 20th December 2025. Prof. N. H. Gaidhani attended one week FDP on “Adversarial Attacks and

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Defences in Deep Learning Model” organized by O. P. Jindal University, Raigarh in the duration of 15-19 December 2025.

- Chemical Engineering Department faculty Prof. Z. K. Deshmukh completed Five-Day Faculty Development Program on ‘AI in Chemical Engineering: Industry, Curriculum and Research Perspectives’ from 1st to 5th December 2025 organized by Dept of Chemical Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune. Dr. Yennam Rajesh successfully completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Emerging Trends and Research Frontiers in Chemical Engineering for Green and Sustainable Future” from 15–20 December 2025, organized by Vidhyadeep Institute of Engineering and Technology, , Surat, Gujarat.. Dr. Yennam Rajesh successfully participated in the Faculty Development Programme on “Sustainable and Innovative Practices in Mining and Allied Industries” from 19–23rd December 2025, organized by the Department of Mining Engineering, Aditya University, Kakinada, Andhra Pradesh.

■ **Paper Publications/Presentations :**

**Title:** Experimental Evaluation of Compound Gear and Bearing Faults Using an Optimized Stacked Learning Approach

**Author:** Mr. Bhandare Ramesh Vasant (Published in IndiaTrib-2025 rganized by IIT Bhilai on 14-16 December 2025).

**Abstract:** Gearboxes are critical subsystems in power-transmission machinery and often operate under harsh and varying conditions. Gearboxes have numerous components such as shaft, gear bearing etc. which makes the detection of localized and compound faults particularly challenging. This study presents an intelligent feature selection and classification framework for reliable diagnosis of compound faults in bearings and gears under various load and speed conditions. A set of time and frequency domain features was extracted, and principal component analysis was employed to emphasize dominant variance patterns and to enhance the separability of fault signatures. The stacking Machine learning framework proposed to integrate predictions from several high performing base learners and uses a meta-model to produce refined final classifications. The proposed approach achieved an accuracy exceeding 98% to

identify localized and compound faults in gearbox systems and its potential for robust condition monitoring applications.

■ **Training and Placements :**

Sr. No.	Company Name	Department Name	Placed Students
1.	Grassberry	Computer Engineering	01
2.	Geeks Solutions, Nashik	MCA	01
3.	Byte Elephant	MCA	01
4.	Vexon Private Limited	MCA	01
5.	Amazon	Electrical Engineering	08
6.		E & Tc Engineering	02
7.	Virtuoso Optoelectronics Ltd.	E & Tc Engineering	03
8.	PayU, Pune	Computer Science & Design Engineering	01

■ **Other Activities :**

Dr. Keshav N. Nandurkar and Dr. P. J. Pawar attended meeting of BoS (Production & Industrial Engineering) at SPPU, Pune on 8th December 2025.

- Dr. Keshav N. Nandurkar visited Pragyan Exhibition organised by KKW Polytechnic on Tennis ground on 11th December 2025. He also attended School Managing Committee meeting for three CBSE schools under KKWES and GB Meeting of KKW Agri Biotech College on 31st December 2025.
- Meeting of Academic Council under autonomy was conducted on 27th December 2025 to seek guidance from the members for the academic excellence of the Institute.
- Dr. Nanasaheb B. Gurule attended the meeting at ZP office for Kumbh Mela Swachhta Abhiyan on 31st December 2025.
- Dr. Sunil Y. Kute conducted Induction session for newly appointed staff on 31st December 2025.

**Prof. Dr. K. N. Nandurkar**  
Director

