



# KAVIKULGURU INSTITUTE OF TECHNOLOGY AND SCIENCE

RAMTEK-441 106, DIST. NAGPUR, MAHARASHTRA,

(Managed by Vodithala Education Society, Hyderabad)

Approved by AICTE, COA, New Delhi and Govt. of Maharashtra

Permanently Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

**NAAC ACCREDITED**



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DTE Institute Code : 4104

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**3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

## **Response**

The institute has an IQAC to direct/guide various groups to foster an innovation ecosystem in the institute. Students are encouraged to be actively involved in the application of technology for societal needs.

- 1. Incubation Centre:** The institute has an incubation center to support the students, research scholars and faculty. The incubation center was set up to create an atmosphere where new ideas can be incubated. It offers appropriate solutions to workable issues. The institution provides mentoring support, space and facilities to convert ideas into products. Workshops on emerging trends in Technology are organized for better industrial exposure.
- 2. Collaborations:** The innovation ecosystem is built on the principle of collaboration, bringing together stakeholders from academia, industry and communities. The institute has signed MOUs with different institutions and industries for Collaboration.
- 3. Establishment of Research and Development Cell:** The institute has an active Research and Development cell for promoting research activities. Various guest lectures and workshops are regularly conducted related to Intellectual Property Rights (IPR) and paper writing skills. Dean (R&D) is monitoring related activities. Faculty are awarded patents such as Dr. Mahesh Mawale has been awarded patents on a device for detecting Glaucoma and Rapid Prototyping Assisted Fabrication of a Device for detecting Glaucoma. The institute has a recognized Ph.D. research center in the Department of Civil and Mechanical Engineering, this could be an added advantage to the students.



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**4. E-Yantra Lab setup initiative (eLSI):** The institute has the E-Yantra project funded under the Ministry of Human Resource Development (MHRD) to facilitate the robotics lab to spread embedded systems-related knowledge to the students. Through this activity, the students get exposure to National and International innovation in the related field.

**5. Participation in Collaborative Projects:**

- a. The institute regularly organises programs related to innovation and entrepreneurship in collaboration with the Rajiv Gandhi National Institute for Intellectual Property Management.
- b. The institute had undertaken the project entitled ‘Air Quality Monitoring and its Management in and around Vidarbha Region for Cluster and Industries’ funded by Gyan Enviro, Nagpur.

**6. Encouraging students to participate in Hackathons/club activities:** Every department has pulsating participation in National/International professional clubs and associations (IEEE/ISTE /IETE etc.) which encourages the students to participate in Hackathons, Codathons etc. Dedicated mentors work towards enabling students to participate. Mechanical Engineering students demonstrated a project at the 108<sup>th</sup> Indian Science Congress, Nagpur. The Mechanical Engineering students are participating in the GoKart competitions and also win prizes.

**7. Transfer of Technology:** During the initial phase of COVID-19, Mr. Rajan Yadav student of Mechanical Engineering developed a contact-free sanitizer machine and donated it to Grampanchayat Khairi and Kamptee Police Station, Kamptee. The device invented by Dr. Mahesh Mawale has been assigned to OKO ICARE SOLUTIONS PVT. LTD. for bio-medical application to the society.