



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

ISO 9001:2015
ISO 14001:2015
Certified Institute

E-mail: info@kits.edu

Web : www.kits.edu

DTE Institute Code : 4104

Phone: 07114-255309 / 255313

Fax : 07114-255236

2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

Institutes adopt student-centric methods to make the teaching-learning process more effective for the holistic development of students through experiential learning, participative learning and problem-solving methodologies.

The following activities have been adopted by the faculty and they adorn student-centric methods:

Experiential learning:

- **Laboratory sessions**

The curriculum is designed in such a way that sufficient emphasis is laid on hands-on experiments required for a comprehensive understanding of the subject. The laboratories, software and model experiments are beyond the curriculum.

- **Industrial and Site visits**

Studying without a practical approach is not considered worthwhile in this challenging and competitive environment. Putting that aim in mind, the Institute facilitates the visits of the students to various industries to make them understand the classroom concepts in a better way.

- **Field works and Internships**

The main motto of Field works/Internships are educational and career development opportunities, providing practical experience in a field/discipline.

- **Industry-Oriented Mini Projects**

Students are encouraged to take up any industry-oriented application in his/her field of interest in their respective programmes/field.



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Participative Learning:

- **Expert Talks, Workshops and seminars**

Students are encouraged to participate in workshops, expert talks and seminars organized by various professional societies, esteemed institutes and industries.

- **Group Discussions**

Group discussions are organized through the Soft Skill Development (SSD) course. The purpose of a group discussion is not to win an argument but to help each group member explore and discover the proper meaning of a text through interaction with other people. In the Language lab students would get an opportunity to participate in group discussions.

- **Community outreach programme**

Students are taken to community visits under the NSS unit. Different activities such as health checkup camps, and cleanliness drives are undertaken. Employability generation within villages and entertainment programs (Nukkad) would help them to understand real-world social problems. Also conducted awareness rallies like 'Beti Bachaw and Beti Padhaw', 'Voter Education' and 'Jal hi Jiwan' programs.

Problem Solving Methodologies:

- **Developing Models:** Models make it possible to go beyond observables and imagine a world not yet seen. The students are encouraged to prepare models.

- **Project Based Learning:**

Project Based Learning is a teaching method in which students learn actively by engaging in real-world and personally meaningful projects. Students work on a project over an extended period from a week up to a semester that engages them in solving a real-world problem or answering a complex question.



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ICT-enabled tools including online resources for effective teaching and learning process

Conducting activities using ICT tools is an effective methodology. These tools provide benefits like maintaining structured data and a fast evaluation process. During the pandemic situation, the role of ICT tools was predominantly experienced. In the online mode of teaching-learning, the use of ICT-enabled tools is mandatory but in offline mode, it was effectively enforced as per the requirements of the subject for the teaching-learning process. Various ICT tools and resources were incorporated to share knowledge and information with students. Tools include devices and equipment such as desktops, laptops, computers, projectors, smartphones, licensed and open-source software etc. Resources included Open Educational Resources (OER) like Swayam NPTEL courses and material shared via Google Classroom and virtual labs. Online facilities like Zoom, Webex, and Google Meet were used effectively for the online teaching-learning process.