Abhivyakti Themes and Rules for Pioneer 2025

'Pioneer 2025' is a platform where engineering students from across the country will come together to share ideas and shape the future of technology. Organized by **Kolhapur Institute of Technology's College of Engineering (Empowered Autonomous)** on **22nd and 23rd February 2025**, this national-level technical event under the ISTE Student Chapter has a rich legacy dating back to 1997.

Abhivyakti and **Prakalp** are the two main national events which are to be conducted at the central level. The themes and rules for Abhivyakti events will be as follows: -

Rules: -

1. The paper must be in IEEE format and must have interdisciplinary technical content.
2. Paper should be sent to abhivyakti2025@kitcoek.in . (Subject should be in the following format Participantname_collegename_toppicname).
3. Deadline for submission is 12/02/2025; the acceptance shall be communicated by 16/02/2025 (via mail).
4. Maximum 4 participants allowed per group.
5. Registration fee:- Rs. 100/- during registration (per group) and Rs. 100/- per participants must be paid after the paper is shortlisted.(Non Refundable)
6. Prizes: - First Rs. 15000/-   Second Rs. 10000/-   Third Rs. 5000/-.
7. Winners will get opportunity to present their paper in international conference.

Themes: -

1. Role of Biotechnology engineering in enhancing quality of life.
2. Future of modern construction, sustainable and green building technology.
3. Designing resilient environments: engineering solutions for global challenges.
4. Renewable energy in Mechanical systems.
5. Waste to wealth: Design of manufacturing system to generate a circular economy from recycling of materials.
6. Challenges and opportunities in next generation networks for wireless systems and Signal Processing.
7. Advancements in Embedded Systems and VLSI.
8. Future trends in electrical and hydrogen vehicles.
9. Role of AIML and Data Science in engineering innovation.
10. Robotics, Machine visions, image processing and intelligent systems
11. Advances in cyber security, crypto currency and block chain technology
12. Recent trends related to other Engineering domains.