

K. D. K. College of Engineering, Nagpur
Department of Electronics Engineering
Innovations by the Faculty in Teaching and Learning

Following are the innovative tools used in Teaching and Learning Process:

Sr. No.	Methods	Details	Tools	Impact
1	Planning of Course Delivery through CIS and Course File	Time table, Course: Course Outcomes, PO, Course Information Sheet (CIS), Question Papers, Attendance, Teaching Plan, Notes	Teaching Plan, Assignments, Subject Activities, CO assessment, PO attainment	CO-PO Attainment
2	E-Learning	Online lectures, subject relevant e-resource materials subject technical knowledge implemented	Projector, Computer, Worksheets, Etc.	Students Technical Performance, Logical Aptitude, Lifelong Learning, Communication Skills
3	Project Based Learning	It is a style of Active learning and Inquiry-based learning	Previous Project Reports, Computers	The Teacher plays the role of Facilitator, working with students to frame worthwhile questions, Structuring meaningful tasks, Coaching both Knowledge Development And Social Skills, and carefully assessing about learning the experience
4	NPTEL Resources	NPTEL is a portal dedicated and provides technical e-content to solve the issue of increased e-resource demand. Demonstration videos and lectures competitive exam classes	ICT Tools	Student gets relevant and current information as on time. This study will definitely focus the evaluation of usage and road map for access successfully.
5	Seminars/ Workshops	Exhibiting the progress of Project work and topic	ICT Tools	Enables To Understand The Practical Application. Learning advanced methodologies and aspects of Electronics engineering.
6	Skill Development Program	Mini projects, Objectives, Cross Words, Puzzles, Poster Competition and Exhibition ,	Electronics components like diodes, transistors, ICs, and tools etc	Clears the fundamentals of students. Students can gain practical knowledge. In spite of theory concept , various industries also need to know the capacity to complete projects using specific initiative

7	Industry Interaction	Industry Visits- to observe the different activities, techniques carried out on site and to explore various types of materials, machineries used	Industry visit, Industry Internship, Expert Lecture, Seminar, etc	Industrial visits are an important part of learning. Visiting industry which allows to develop a greater understanding of how Electronics engineering theory is put into practice. Industrial visits helps to visualize the items that need to be measured and that how it is properly placed in real time. Teamwork is also important at the visit where different profession come together to work on Project
8	Expert Lectures	Expert Lectures on various contemporary and advanced topic in Electronics Engineering field	ICT Tools	The lectures provide a platform for students to clear their doubts, get answer to their innumerable questions, and even put forth their views on matters relevant to their studies and their careers
9	Professional Bodies and Students Association	Indian Society for Technical Education (ISTE), Institution of Electronics & Telecommunication Engineers (IETE) Forum (ISF)	Students activities related to enhancements of skill and personality quotient	Student organizations help strengthen leadership skills. Joining an organization is one of the best ways to build a bigger network. Student organizations can be an important part of students' growth during their college career.
10	MoU's	An understanding between the person representing an organization for the exchange of knowledge	Project assistance, Expert lectures, Seminar, thesis evaluation, etc.	Harnessing the expertise of the persons from the organization for the benefit of students and staff.