



**KHANDESH COLLEGE EDUCATION SOCIETY'S
COLLEGE OF ENGINEERING & I.T, JALGAON**

(Approved by AICTE, New Delhi, Affiliated to DBATU, Lonere; KBCNMU, Jalgaon
MSBTE, Mumbai & Recognised by Govt. of Maharashtra)

An ISO 9001-2008 Institution and NAAC ACCREDITED GRADE - 'B' (CGPA - 2.53)

Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Behind D.L.C. Off., N.H.6, Jalgaon-425001 (Maharashtra State), Tel-0257-(Off) 2242025/2242026/2242052

Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Department of Electronics and Telecommunication

Vision

Inculcate Competencies, Skills and Values to Meet Global Challenges in the Field of Electronics and Telecommunication Engineering.

Mission

- To enhance the teaching-learning process by adopting innovative practices to create globally competent Electronics and Telecommunication engineers.
- To equip students with technical competencies including interdisciplinary knowledge, soft skills and entrepreneurship skills with a sense of social responsibility.
- To strengthen research culture providing sustainable solutions in the domain of Communication, Signal Processing, VLSI etc.
- To encourage networking with alumni, industry and other institutes.

Program Educational Objectives (PEOs)

PEO1	Learn Basic Sciences, mathematics and engineering fundamentals to provide solutions to the problems in the field of Electronics and Communication
PEO2	Demonstrate competencies in the development of novel and cost-effective products to cater to the industrial needs.
PEO3	Adapt rapidly changing industrial scenario due to new technology/concepts
PEO4	Exhibit professional and human skills to relate engineering issues to broader social context.
PEO5	Excel in higher studies and/or succeed in industry/technical profession exhibiting global competitiveness.

Program Outcomes (POs)

PO 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO 5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
PO 10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO 11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO 12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO 1	Design, simulate and develop novel and cost-effective electronics and/or communication systems to meet the industrial needs.
PSO 2	Install, operate and maintain the electronics and telecommunication systems/subsystems to cater the industrial/social needs.
PSO 3	Engage in innovations to meet realistic constraints like environmental, health, safety, etc of various stakeholders.

H. O. D.
Swapnil S. Patil



KHANDESH COLLEGE EDUCATION SOCIETY'S
COLLEGE OF ENGINEERING & I.T, JALGAON
(Approved by AICTE, New Delhi, Affiliated to DBATU, Lonere; KBCNMU, Jalgaon
MSBTE, Mumbai & Recognised by Govt. of Maharashtra)
An ISO 9001-2008 Institution and NAAC ACCREDITED GRADE - 'B' (CGPA - 2.53)
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com
Behind D.L.C. Off., N.H.6, Jalgaon-425001 (Maharashtra State), Tel-0257-(Off) 2242025/2242026/2242052
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Department of Computer Engineering

Vision

To provide strong technical and human skills to produce engineering graduates with global standards.

Mission

- To provide the best possible education and develop adequate practical skills in related subject areas.
- Impart moral and ethical values in students to prepare them for global acceptability.
- To achieve holistic development of students through various co-curricular and extracurricular activities.
- To empower with creativity and innovations.

Program Educational Objectives

PEO1	To impart knowledge of mathematical principles for various programming concepts.
PEO2	To develop, operate and maintain information systems.
PEO3	To provide knowledge to build large-scale computer-based systems.
PEO4	To provide computer-based solutions to engineering problems.
PEO5	To adapt rapid changes in the field of information and communication technologies.
PEO6	To follow ethical practices in profession, society and environment issues.

Program Outcomes

After the successful completion of this Program student will be able to:

PO1	Engineering Knowledge: Apply the knowledge of mathematics, science and engineering fundamentals, for solution of complex engineering problems.
PO2	Problem Identification and Analysis: Identify, formulate and solve computer engineering problems.
PO3	Design Solutions to the problem: Design and develop algorithmic solutions.
PO4	Investigation of Complex problems: Determine specification of system design using research knowledge and techniques to design software.
PO5	Modern Tools Usage: Perform experiments and practically apply the solutions to engineering application by using modern engineering tools, software and equipment.
PO6	Contribution in the welfare of the Society: Understand the impact of computer engineering solutions globally, in terms economic, societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Ethical Practices: Gain knowledge of professional and ethical responsibilities.
PO8	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
PO9	Communication Skill: Communicate effectively in both verbal and written form.
PO10	Financial and Management Skills: Understand the impact of engineering solutions on the society with awareness of project management and finance related issues.
PO11	Life-Long Learning: Gain confidence for self education and ability for life-long learning.

Program Specific Outcomes

PSO1	Problems Solutions with Tools and Technology: To provide specific solutions to problems in software domain with use of engineering tools and technology.
PSO2	Hardware/Software Skills For Employment: To design and develop hardware and/or software based systems, evaluate and recognize potential risks and provide creative solutions
PSO3	Computer Hardware and Networking: To apply knowledge, techniques and professional skills for real time operation and maintenance of computer hardware and networking.

H. O. D.
Minal T. Kolhe



KHANDESH COLLEGE EDUCATION SOCIETY'S
COLLEGE OF ENGINEERING & I.T, JALGAON
(Approved by AICTE, New Delhi, Affiliated to DBATU, Lonere; KBCNMU, Jalgaon
MSBTE, Mumbai & Recognised by Govt. of Maharashtra)
An ISO 9001-2008 Institution and NAAC ACCREDITED GRADE - 'B' (CGPA - 2.53)
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Behind D.L.C. Off., N.H.6, Jalgaon-425001 (Maharashtra State), Tel-0257-(Off) 2242025/2242026/2242052
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Department of Electrical Engineering

Vision

Ignite students to Accomplish Universal Technical and Human Skills in the Field of Electrical Engineering

Mission

M1: To set academic excellence by developing state of art infrastructural facilities.

M2: To furnish students with technical and interdisciplinary competencies by integrating industries, alumni and other instituting.

M3: To create a passion for learning and promote innovation.

Program Educational Objectives (PEOs)

PEO1	Practice electrical engineering in power sector industry, public sector undertaking or as an entrepreneur for successful professional career.
PEO2	Be able to solve industrial and social problems using existing system and/or developing new system.
PEO3	Excel in higher studies and research.
PEO4	Exhibit skills to work as a team member and/ or team leader.
PEO5	Learn and apply basic sciences, mathematic and engineering fundamentals in the field.

Program Outcomes (POs)

PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1	Pursue research in advanced areas of Electrical Engineering to offer ethical engineering services to the society.
PSO2	Demonstrate proficiency in use of software and hardware required to practice electrical profession.
PSO3	Operate and maintain electrical machines, switchgears, power electronics and electrical systems.

H. O. D.
Kalpesh M. Mahajan



KHANDESH COLLEGE EDUCATION SOCIETY'S
COLLEGE OF ENGINEERING & I.T, JALGAON
(Approved by AICTE, New Delhi, Affiliated to DBATU, Lonere; KBCNMU, Jalgaon
MSBTE, Mumbai & Recognised by Govt. of Maharashtra)
An ISO 9001-2008 Institution and NAAC ACCREDITED GRADE - 'B' (CGPA - 2.53)
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com
Behind D.L.C. Off., N.H.6, Jalgaon-425001 (Maharashtra State), Tel-0257-(Off) 2242025/2242026/2242052
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Department of Mechanical Engineering

Vision

To develop globally competent Mechanical Engineers with professional ethics.

Mission

- Imparting quality education blended with enduring core values and nurture creativity.
- Promote critical thinking for application of comprehensive engineering knowledge and skills to meet the global challenges.
- Creating effective interface with industries and community.
- Rejuvenate the best engineering practices meeting the goals of industrial and technological era through research activities.

Program Educational Objectives (PEOs)

PEO1	Ability to design, operate and maintain modern and advance machine tools and software.
PEO2	Successful professional in public sector undertakings, industries and research.
PEO3	Adequately lead the interdisciplinary and assorted group under different situations.
PEO4	Capable to design, formulate industrial and environmental problems.

Program Outcomes (POs)

PO1	Application of Basic Knowledge: An ability to apply basic knowledge of science, mathematics and engineering fundamentals in the field of Mechanical Engineering.
PO2	Problem Identification and Analysis: An ability to identify, formulates, review research literature and analyze mechanical engineering problems using basics principles of science, mathematics and engineering.
PO3	Propose Solutions to the problem: An ability to design for complex mechanical engineering problems using basic design concepts, analyze and process to meet the desired needs with in realistic constraints such as manufacturability , durability, sustainability and economy with appropriate consideration for the public health, safety, cultural, societal, and environmental considerations.
PO4	Investigation of Complex problems using Scientific Methodology An ability to design and conduct experiments using research-based knowledge and methods including design of experiments, analyze, interpret the data and results with valid conclusion.
PO5	Applications of modern tools and techniques: An ability to apply the modern tools and apply appropriate techniques to synthesize, model, design, analyze, verify and optimize to solve complex mechanical engineering problems within defined specification by using suitable modern tools to satisfy the needs of the society within realistic constraints such as social, economical, political, ethical, health, safety and manufacturing.
PO6	Contribution in the welfare of the Society: An ability to understand the impact of mechanical engineering solutions globally, in terms economic, societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Taking care of Environment and sustainability: An ability to understand the principles, commitment and practice to improve product sustainable development globally in mechanical engineering with minimal environmental effect.
PO8	Ethical Practices: ability to understand and apply ethical principles and commitment to address professional ethical responsibilities of an engineer.
PO9	Working as an individual as well as in team: An ability to function efficiently as an individual and as a group member in a team in multidisciplinary activities
PO10	Communication Skill: An ability to communicate, comprehend and present effectively with engineering community and the society at large on complex engineering activities by receiving clear instructions for preparing effective reports and design documentation.

PO11	Financial and management skills: ability to acquire and demonstrate the knowledge of contemporary issues related to finance and managerial skills to bring up entrepreneurs and entrepreneurship.
PO12	Continuous Updating: ability to recognize and adapt to emerging field of application in engineering and technology by developing self-confidence for continuing education and lifelong learning process.

Program Specific Outcomes (PSOs)

PSO1	Design, simulate, analyze and optimize mechanical systems.
PSO2	Work in thermal, production, metallurgy, maintenance and design industries.
PSO3	Handle computer aided design and manufacturing.

H. O. D.
Manoj D. Salunke



KHANDESH COLLEGE EDUCATION SOCIETY'S
COLLEGE OF ENGINEERING & I.T, JALGAON
(Approved by AICTE, New Delhi, Affiliated to DBATU, Lonere; KBCNMU, Jalgaon
MSBTE, Mumbai & Recognised by Govt. of Maharashtra)
An ISO 9001-2008 Institution and NAAC ACCREDITED GRADE - 'B' (CGPA - 2.53)
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Behind D.L.C. Off., N.H.6, Jalgaon-425001 (Maharashtra State), Tel-0257-(Off) 2242025/2242026/2242052
Visit us At: www.coeit.kces.in, E-mail - coeit.inquiry@gmail.com

Department of Management

Vision

To be renowned for excellence from college to corporate.

Mission

To impart innovative and vibrant learning to students, enabling them to be managers, entrepreneurs and leaders with cultural and spiritual values; to develop their skills and enable them to meet the challenges of the business environment locally and globally.

Program Educational Objectives (PEOs)

PEO1	To train the students of the Management program for logical and practical approach to problem solving and function effectively as skilled managers who can respond to changing environment in a social and global context.
PEO2	To groom the students to work in multicultural and multidisciplinary teams for effective problem solving and understand the principles of group dynamics, Team work and growth of Management profession
PEO3	To encourage and train the students as a way that they can pursue higher studies, start independent ventures, thereby contributing to the fields of Education and Business world.

Program Outcomes (POs)

PO1	Ability to apply Management fundamentals in practical world.
PO2	An ability to identify, formulate, and solve Managerial problems.
PO3	Demonstrate abilities such as initiative taking and innovative thinking in their acts.
PO4	An ability to function in multi-disciplinary teams.
PO5	To inculcate zeal of self-learning.
PO6	Enhancing Entrepreneurship abilities so that the students are induced to undertake independent ventures.
PO7	An ability to understand professional and ethical responsibility.
PO8	An ability to communicate effectively.
PO9	Enhancing knowledge of contemporary issues
PO10	Recognition of the need for, and an ability to engage in life-long learning.
PO11	An ability to understand the impact of Managerial solutions in a global, economic, environmental, and societal context.
PO12	Ensuring holistic development of students.

Program Specific Outcomes (PSOs)

PSO1	An ability to apply conceptual foundations of management to solve practical decision-making problems.
PSO2	An ability to adapt to dynamic changes in an environment with an understanding of societal and ecological issues relevant to professional managerial practice through life-long learning
PSO3	Excellent adaptability to function in multi-disciplinary work environment, good interpersonal skills as a leader in a team in appreciation of professional ethics and societal responsibilities.

H. O. D.
Sanjay R. Sugandhi