



D. Y. Patil College of Engg. & Tech., Kasaba Bawada, Kolhapur

DEPARTMENT OF ARCHITECTURE

PROGRAMME OUTCOMES

1) Architectural knowledge

Apply the knowledge of design fundamentals for the solution of complex architectural design projects.

2) Problem analysis

Identify, formulate, research literature and analyze complex architectural design problems reaching substantiated conclusions using principals of design.

3) Design/development of solutions

Design solutions for complex architectural design projects and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, cultural, social and environmental considerations.

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.

5) Modern tool usage

Create, select and apply appropriate techniques, resources and modern architectural tools including prediction and modeling to complex design assignments with an understanding of limitations.

6) Social responsibility of an architect

Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional architectural practice.

7) Environment and sustainability

Understand the impact of the professional architectural solutions, materials used, construction technology used in societal & environmental contexts and demonstrate the knowledge of and need for sustainable development.

8) Ethics

Apply ethical principles and commit to professional ethics and responsibilities and norms of the architectural practice.

9) Individual and team work

Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.

10) Communication

Communicate effectively on complex architectural activities with the architectural community and with the society at large, such as, being able to design environment friendly buildings, design for differently able people and to design for the different occupants with different requirements.

11) Project management and finance

Demonstrate knowledge and understanding of the 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.

12) Lifelong learning

Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Course Outcomes

Course Title: Architectural Design V

CO No.	Course Outcomes
CO1	Students are able to collect various data from books, net case studies and do presentation in the form of PPT. etc.
CO2	Students are able to analyze the collected data so as to apply it in program finalization and design.
CO3	Students are able to study and do analysis of philosophy and works of renowned architects and interpretation to apply it in their design.
CO4	Students are able to understand the psychological aspect of architectural spaces.



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POs FOR ALL PROGRAMS

Programme Outcomes (POs):

PO No.	Programme Outcomes (POs)
PO 1	Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of chemical engineering problems.
PO 2	Problem analysis: Identify, formulate, research literature, and analyze chemical engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences,

	and engineering sciences.
PO 3	Design/development of solutions: Design solutions for chemical 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 chemical 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 modelling to chemical engineering activities with an understanding of the limitations. Design/development of solutions: Design solutions for chemical 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 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 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 chemical 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: Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



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DEPARTMENT OF CHEMICAL ENGG.

Date:25/02/2019

Programme Specific Outcomes

Sr. No.	Statement
1	Identify, analyze, design and develop solutions to Chemical Engineering problems of practical importance to industry and society.
2	Demonstrate sound understanding of Chemical Engineering fundamentals to solve problems through the use of modern experimental methods, computer aided design and simulations software.

Course Outcomes

Course Title: Petrochemical Technology

CO No.	Course Outcomes
CO1	Ability to discuss about petrochemicals, sources of petrochemicals, explain about the history and present scenario.
CO2	Ability to explain development of petrochemical technology, industries in India and

	their economic importance.
CO3	Ability to apply the knowledge of chemical processes to manufacture different types of petrochemicals.
CO4	Ability to classify different petrochemicals with their specific applications.
CO5	Ability to summarize the present energy crisis and non-renewable petroleum resources used in petrochemical Technology.
CO6	Develop knowledge about future needs of petrochemical technology.



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DEPARTMENT OF CIVIL ENGG.

Programme Specific Outcomes

Sr. No.	Statement
1	To design and execute cost effective civil engineering solutions for sustainable development

Course Outcomes

Course Title: Building Construction & Materials

CO No.	Course Outcomes
CO1	Understand the properties & suitability of building materials
CO2	Understand the requirements of byuilding & its componant parts.
CO3	Understand the masonary work by using stone, brick & blocks.
CO4	Understand the various types of doors & windows with its components
CO5	Understand the requirements of good stair and its design
CO6	Understand different types of roofs & floors



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Department of Computer Science & Engineering

Semester: II

Year: 2018-19

Programme Specific Outcomes (PSOs):

PSO No.	Programme Specific Outcomes (PSOs)
	The graduates should be able to:
PSO 1	To develop applications, troubleshoot the problems and provide novel solutions as an individual or in a group keeping in views the latest technological advancements.
PSO 2	Come up with the innovative ideas and awareness drives for the up-liftment of society and exhibit professional ethics.

Course Outcomes

Course Title: Automata Theory

CO No.	Course Outcomes
CO1	The student will get the knowledge ² of mathematical foundations & principles of computer science
CO2	The students will be able to relate ³ for the higher studies & competitive exams
CO3	The student will able to apply ³ their automata theory knowledge for the subjects of compilers & system programming in the areas of lexical & syntax analysis
CO4	The students will be able to design ⁶ mathematical models such as FAs', PDAs' &

	Turing machine manually & using software tools.
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Department of Electronics & Telecommunication Engg.

Semester: II

Year: 2018-19

Programme Specific Outcomes (PSOs):

PSO No.	Programme Specific Outcomes (PSOs)
PSO 1	Apply fundamental knowledge of Analog & Digital Electronics to design and develop electronic system
PSO 2	Acquire adequate knowledge of Communication systems to fulfil the societal needs

Course Outcomes

(COs) of Signals & Systems: At the end of course the students will be able to

CO No.	Course Outcomes (COs)
CO1	Represent CT and DT signals and perform various operations on signals
CO2	Compute response of LTI systems
CO3	Select appropriate sampling rate for reconstruction of signals
CO4	Performs the analysis of CT and DT signals by using Fourier and Z transform
CO5	Realize the system using basic building blocks

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Department of Mechanical Engg.

Semester: II

Year: 2018-19

Programme Specific Outcomes (PSOs):

Sr. No.	Statement
1	Student will be able to design and manufacture the components and system as per requirement.
2	Student will be able to apply his knowledge in thermal science and management practice as a professional or entrepreneur.

Course Outcomes

Course Title: Mechanical System Design

CO No.	Course Outcomes
CO1	Incorporate aesthetic, ergonomic and creativity considerations in industrial product design.
CO2	Design different systems such as Pressure vessel, Brakes, Clutches, Machine tool Gear box and I. C. Engine Components etc.

CO3	Optimize design of various components/systems in mechanical engineering
CO4	Use IS Codes, Design data books, Handbooks required for system design