

V. V. P. Engineering College, Rajkot
Electrical Engineering Department
Course Outcomes & PO/PSO Mapping

Semester:	5
Subject Code:	3150001
Subject Name:	Design Engineering 2A

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3150001.1	Determine problems related to community or society.	Ap
C3150001.2	Deduce the problem using design engineering methodology.	An
C3150001.3	Evaluate solution using props.	E
C3150001.4	Construct rough prototype.	C
C3150001.5	Validate developed prototype.	E

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Semester:	5
Subject Code:	3150005
Subject Name:	Integrated Personality Development Course

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3150005.1	Apply the restructuring process of one self and the impact of power of habit of righteous, disciplined and addiction free value based life.	Ap
C3150005.2	Practice the virtues of affection and forgiveness in relationships.	Ap
C3150005.3	Analyse the factors responsible for failures and ways to overcome it.	An
C3150005.4	Exhibit teamwork, networking, decision making and leadership skills.	Ap
C3150005.5	Apply the principles of project management and financial planning.	Ap

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Semester:	5
Subject Name:	Professional ethics
Subject Code:	3150709

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3150709.1	Enumerate personal ethics and professional ethics, morality, law, religion, etiquettes and professional codes in Indian tradition	R
C3150709.2	Classify between values and ethics, roots of ethical and unethical behaviour, cross-holders' conflicts and competitions	U
C3150709.3	Investigate the ethical dilemma and exhibit ethical behaviour leading to ethical decision-making	An
C3150709.4	Practice ethics as per human values in Indian ethical traditions: the law of Karma, quality of working life	Ap

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Semester:	5
Subject Code:	3150910
Subject Name:	Electrical Machine - 2

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3150910.1	Illustrate the construction, working principle and performance of induction machines and synchronous machines.	U
C3150910.2	Analyse the performance of Induction machines and synchronous machines.	An
C3150910.3	Solve AC machines numerical problems.	Ap
C3150910.4	Describe applications of AC machines.	U

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Semester:	5
Subject Code:	3150911
Subject Name:	Power System - 2

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3150911.1	Analyse Electrical Power and performance parameters of transmission line.	An
C3150911.2	Analyse Symmetrical and unsymmetrical components in Transmission Line.	An
C3150911.3	Explain Transient & Travelling wave in Power System.	U
C3150911.4	Describe Corona Effect on Transmission Line.	U

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Semester:	5
Subject Code:	3150912
Subject Name:	Signals and Systems

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3150912.1	Explain the aspects of signals and systems and their correlation and properties.	U
C3150912.2	Apply mathematical operations on different systems.	Ap
C3150912.3	Apply Fourier Series, fourier transforms, laplace transform and z transform to the systems.	Ap
C3150912.4	Explain the concept of application of signal and system theory with sampling.	U
C3150912.5	Employ the programming skills using Arduino for minor projects.	Ap

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Semester:	5
Subject Name:	Disaster Management
Subject Code:	3150913

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3150913.1	Explain types, trends, causes consequences and control of disaster.	U
C3150913.2	Explain disaster management cycle and framework.	U
C3150913.3	Understand disaster management agencies and their roles in India.	
C3150913.4	Explain applications of sciences and technology for disaster management and mitigation.	U

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Semester:	5
Subject Code:	3151108
Subject Name:	Python Programming

After learning the course the students will be able to:

CO Number	Course Outcomes	CL
C3151108.1	Apply Basic Structure of Python Programming Language.	Ap
C3151108.2	Compute programming using loops conditional statements, functions, modules and external packages.	Ap
C3151108.3	Test File Handling Operation for Read & Write in Text File,Csv File & Binary File.	An
C3151108.4	Design GPIO device using Micropython.	C