



**Mahavir Education Trust's
SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE
Chembur, Mumbai - 400 088
UG Program in Electronics
Academic Year: 2022-2023**

Unique Course Number: ELC801 Course Name: Industrial Automation

Unique Course Outcome Number	Course Outcome Statement
ELC8011	Describe automation, need, importance and applications in industry
ELC8012	Explain database and alarm management system
ELC8013	Recognize the need of SIS and explain risk reduction methods
ELC8014	Apply concept of PLC programming using ladder diagram for the process applications
ELC8015	Analyze and Explain architecture of DCS, hierarchical control in DCS, programming DCS through Function Block Diagram (FBD) method
ELC8016	Analyze and Explain architecture and communication of SCADA



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Unique Course Number: ELD0801 Course Name: Web Design

Unique Course Outcome Number	Course Outcome Statement
ELDO8011	Design static web pages using HTML5.
ELDO8012	Design the layout of web pages using CSS3.
ELDO8013	Apply the concepts of client side validation and scripts to static web pages using JavaScript and ReactJS
ELDO8014	Build responsive web pages using front-end framework Bootstrap.
ELDO8015	Build dynamic web pages using server side scripting
ELDO8016	Develop a web application using appropriate web development framework



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Unique Course Code: ILO7017 Course Name: Disaster Management and
Mitigation Measures

ILO70171	Identify the basics of various disasters and its management around the world
ILO70172	Explain the impacts of various disasters and role of every individual around the world
ILO70173	Develop awareness in case of Disaster Management, Policy and Administration in Indian scenario
ILO70174	Explain the use of modern digital technology to build Institutional Framework for Disaster Management in India.
ILO70175	Apply legal aspects to manage relief funds for disaster management
ILO70176	Apply pre and post Preventive and Mitigation Measures in case of disaster management



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Unique Course Code: ELDO702 Course Name: Cloud Computing

ELDO7021	Describe cloud computing, different cloud services and deployment models.
ELDO7022	Implement different types of virtualization.
ELDO7023	Use several cloud computing services
ELDO7024	Design of open source cloud.
ELDO7025	Identification of threats and cloud-based risks for cloud security.
ELDO7026	Understand cloud applications and recent trends.



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Unique Course Code: ILO7016 Course Name: Cyber Security and
Laws

ILO70161	Understand the types of cybercrimes and its effect on outside world.
ILO70162	Illustrate security challenges posed by Mobile devices and its implications on organizations.
ILO70163	Distinguish different tools and methods used for the range of cybercrimes along with different aspects of cyber law.
ILO70164	Select a case study of real-life example of cyber-attack and derive limitations of existing cyber law.
ILO70165	Interpret relevant IT Laws for specific legal issues
ILO70166	Appraise information security standards compliance during software design and development.