

CURRICULUM & SYLLABUS
COMPUTER ENGINEERING DEPARTMENT

SEMESTER-1:

1	3110005	Basic Electrical Engineering
2	3110006	Basic Mechanical Engineering
3	3110007	Environmental Sciences
4	3110014	Mathematics - 1
5	3110017	Induction Program
6	3110018	Physics)

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SEMESTER-2:

1	3110001	Chemistry
2	3110002	English
3	3110003	Programming for Problem Solving
4	3110012	Workshop/ Manufacturing Practices
5	3110013	Engineering Graphics & Design
6	3110015	Mathematics - 2
7	3110016	Basic Electronics

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SEMESTER-3:

1	3130004	Effective Technical Communication
2	3130006	Probability and Statistics
3	3130007	Indian Constitution

4	3130008	Design Engineering - I A
5	3130702	Data Structures
6	3130703	Database Management Systems
7	3130704	Digital Fundamentals

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SEMESTER-4:

1	3140005	Design Engineering 1 B
2	3140702	Operating System
3	3140705	Object Oriented Programming -I
4	3140707	Computer Organization & Architecture
5	3140708	Discrete Mathematics
6	3140709	Principles of Economics and Management

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SEMESTER-5:

1	3150001	Design Engineering - II A
2	3150005	Integrated Personality Development Course
3	3150703	Analysis and Design of Algorithms
4	3150709	Professional ethics
5	3150710	Computer Networks
6	3150711	Software Engineering
7	3150712	Computer Graphics
8	3150713	Python for Data Science

9	3150714	Cyber Security
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SEMESTER-6:

1	3160001	Design Engineering II B
2	3160003	Integrated Personality Development Course
3	3160704	Theory of Computation
4	3160707	Advanced Java Programming
5	3160712	Microprocessor and Interfacing
6	3160713	Web Programming
7	3160714	Data Mining
8	3160715	System Software
9	3160716	IOT and applications
10	3160717	Data Visualization

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SEMESTER-7:

1	3170001	Summer Internship
2	3170701	Compiler Design
3	3170710	Mobile Computing and Wireless Communication
4	3170716	Artificial Intelligence
5	3170717	Cloud Computing
6	3170718	Information Retrieval
7	3170719	Distributed System

8	3170720	Information Security
9	3170721	Parallel and Distributed Computing
10	3170722	Big Data Analytics
11	3170723	Natural Language Processing
12	3170724	Machine Learning
13	3170725	Digital forensics
14	3170726	Mobile Application Development

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SEMESTER-8:

1	3180701	Internship/Project
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