



Viswambhara Educational Society

VAAGDEVI COLLEGE OF ENGINEERING

Autonomous

Approved by AICTE & Affiliated to JNTUH, Hyderabad
Bollikunta, Warangal - 506 005 (Telangana State)

1.2.1 Details of courses introduced across all programmes offered during the year

Name of the Course	Course Code	Link to the relevant document
Modern Physics	B20PH01	https://www.vaagdevi.edu.in/wp-content/uploads/2023/09/R20-B.Tech-CSE-final.pdf
Chemistry	B20CH02	
Engineering Drawing	B20ME01	
Physics Lab	B20PH05	
Basic Electronic devices	B20EC01	
Basic Python programming	B20CS05	
English Language and Interactive Communication Skills Lab	B20EN02	
Basic Electronic Devices Lab	B20EC02	
Basic Python programming Lab	B20CS09	
Engineering & IT Workshop	B20ME03	
Sports	B20MC02	
English for Effective Communication	B20EN01	
Electronic Simulation EDA Tools Lab	B20EC07	
Project Based Learning-1	B20EC08	
NSS/NCC	B20MC03	https://www.vaagdevi.edu.in/wp-content/uploads/2023/09/4.-B.Tech-I-to-VIII-Semesters-ECE.pdf
Analog and Digital Communications	B20EC13	
Analog and Digital Communications lab	B20EC18	
Hardware Design Lab	B20EC19	
Project Based Learning-2	B20EC20	https://www.vaagdevi.edu.in/wp-content/uploads/2023/09/R-20-Syllabus.pdf
Construction Materials	B20CE05	
Project Based Learning - 1	B20CE08	
Construction Techniques And Practices	B20CE13	
Project Based Learning - 2	B20CE17	
Hydrology and Water Resource Engineering	B20CE21	
Project Based Learning - 3	B20CE26	
Project Based Learning - 4	B20CE32	
Environmental and Social Impact Assessment	B20CE38	
System Analysis in Civil Engineering	B20CE42	
Irrigation and Hydraulic Structures	B20CE43	
Railway, Airport and Harbour Engineering	B20CE44	
Repair & Rehabilitation of Structures	B20CE46	
Construction Planning and Management	B20CE47	
Pavement Management System	B20CE48	
Structural Dynamics and Design of Earthquake Resistant Structures	B20CE49	
Project Based Learning - 3	B20CE26	
Project Based Learning - 4	B20CE32	



Viswambhara Educational Society

VAAGDEVI COLLEGE OF ENGINEERING

Autonomous

Approved by AICTE & Affiliated to JNTUH, Hyderabad
Bollikunta, Warangal - 506 005 (Telangana State)

Building Information Modelling	B20CE50	
Sustainable Materials and Green Buildings	B20CE51	
Design of Prestressed Concrete	B20CE52	
Smart Cities Planning and Development	B20CE53	
Air Pollution and Control	B20CE54	
Disaster Preparedness & Planning Management	B20CE55	
Environmental Management	B20CE56	
Urban Palnning	B20CE57	https://www.vaagdevi.edu.in/wp-content/uploads/2023/09/4.-B.Tech-I-to-VIII-Semesters-ECE.pdf
Electronic Measurements and Instrumentation	B20EC26	
Basic JAVA Programming	B20EC28	
Linear & Digital IC Applications Lab	B20EC29	
Project Based Learning-3	B20EC31	
Design of Fault Tolerant Systems	B20EC35	
Fiber Optical Communications	B20EC36	
Machine learning	B20EC40	
Project Based Learning-4	B20EC43	
Embedded Systems	B20EC45	
Wireless and Mobile Communication	B20EC46	
CMOS Circuit Design	B20EC47	
Sensor Networks	B20EC49	
Robotics and Automation	B20EC51	
Embedded Systems Lab	B20EC53	
Digital Signal Processor & Architecture	B20EC56	
Electrical engineering practice lab	B20EE05	
Project based learning -1	B20EE11	
Project based learning -2	B20EE14	
Project based learning -3	B20EE24	
Project based learning -4	B20EE32	
Industrial Instrumentation	B20EE20	
AI techniques in electrical engineering	B20EE40	
Flexible AC Transmission systems	B20EE48	
Smart Electric grids	B20EE51	
Electrical power utilisation and safety	B20EE54	
Concept of control systems	B20EE55	https://www.vaagdevi.edu.in/wp-content/uploads/2023/09/R20-B.Tech-CSE-final.pdf
Renewable energy sources	B20EE56	
Data Structures and Algorithms	B20CS04	
Data Structures and Algorithms Lab	B20CS08	
Python Programming Lab	B20CS07	
Java Programming	B20CS12	
Design and Analysis of Algorithms Lab	B20CS13	
Java Programming Lab	B20CS14	
Project Based Learning	B20CS15	
Web Technologies Lab	B20CS22	
Project Based Learning	B20CS23	
Project Based Learning	B20CS35	
Cloud Computing	B20CS36	



Viswambhara Educational Society

VAAGDEVI COLLEGE OF ENGINEERING

Autonomous

Approved by AICTE & Affiliated to JNTUH, Hyderabad
Bollikunta, Warangal - 506 005 (Telangana State)

Cloud Computing Lab	B20CS41		
Internet of Things Lab	B20CS42		
Project Based Learning	B20CS43		
Scripting Languages	B20CS46		
Block Chain Technologies	B20CS52		
Python Programming	M20CS04		
Mathematical Foundations of Computer Science	M20CS06		
Artificial Intelligence	M20CS07		
Network Security and Cryptography	M20CS08		
Python Programming Lab	M20CS11		
Internet of Things Lab	M20CS12		
Advanced Web Programming	M20CS13		
Blockchain Technology	M20CS18		
Project Based Learning	B20CS15		
Web Technologies Lab	B20CS22		
Project Based Learning	B20CS23		
Genetic Algorithms and Applications	M20CS19		https://www.vaagdevi.edu.in/wp-content/uploads/2021/02/M.Tech-CY-CYBER-SECURITY.pdf
Advanced Web Programming Lab	M20CS21		
Machine Learning Lab	M20CS23		
Cyber Security	M20CS27		
Deep Learning	M20CS28	https://www.vaagdevi.edu.in/wp-content/uploads/2021/02/M.Tech-AI-Artificial-Intelligence.pdf	
Metrology And Machine tools	B20ME22	https://www.vaagdevi.edu.in/wp-content/uploads/2023/09/3.-B.Tech-I-to-VIII-Semesters-MECH.pdf	
Additive Manufacturing	B20ME47		
ProjectBasedLearning-1	B20ME11		
ProjectBasedLearning-2	B20ME18		
Project Based Learning -3	B20ME26		
Project Based Learning -4	B20ME31		


PRINCIPAL
Vaagdevi College of Engineering
Bollikunta, Warangal-506003