



BRAINWARE UNIVERSITY
SCHOOL OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE &ENGINEERING
Diploma in Computer Science & Engineering-2025

Mandatory Induction Program (Duration: 3 weeks)

- Physical activity
- Creative Arts
- Universal Human Values
- Literary
- Proficiency Modules
- Lectures by Eminent People
- Visits to local Areas
- Familiarization to Department/Branch & Innovations

SEMESTER – I

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total Marks	Credits	Course Type
						CIA	TEE			
1	DHS00001	Communication Skills in English	2	0	0	40	60	100	2	HS
2	DBS00003	Applied Chemistry	3	0	0	40	60	100	3	BS
3	DBS00002	Applied Physics - I	2	1	0	40	60	100	3	BS
4	DBS00001	Mathematics - I	3	0	0	40	60	100	3	BS
5	DES00001	Introduction to IT Systems	2	0	0	40	60	100	2	ES
6	DES00003	Engineering Mechanics	3	1	0	40	60	100	4	ES
7	DBS09006	Applied Physics - I Lab	0	0	2	20	30	50	1	BS
8	DBS09007	Applied Chemistry Lab	0	0	2	20	30	50	1	BS
9	DES09010	Introduction to IT Systems Lab	0	0	2	20	30	50	1	ES
10	DES09005	Engineering Mechanics Lab	0	0	2	20	30	50	1	ES
11	DES09007	Engineering Workshop Practice	0	0	3	40	60	100	1.5	ES
Total			15	2	11	360	540	900	22.5	



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SEMESTER – II

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total Marks	Credits	Course Type
						CIA	TEE			
1	DBS00005	Applied Physics - II	2	1	0	40	60	100	3	BS
2	DBS00004	Mathematics-II	3	1	0	40	60	100	4	BS
3	DES00002	Fundamentals of Electrical and Electronics Engineering	3	0	0	40	60	100	3	ES
4	DES00004	Computer Programming	3	0	0	40	60	100	3	ES
5	DBS09008	Applied Physics - II Lab	0	0	2	20	30	50	1	BS
6	DES09008	Fundamentals of Electrical and Electronics Engineering Lab	0	0	2	20	30	50	1	ES
7	DES09006	Computer Programming Lab	0	0	2	20	30	50	1	ES
8	DES09009	Engineering Graphics	0	0	3	40	60	100	1.5	ES
9	DHS09002	Communication Skills in English Lab	0	0	2	20	30	50	1	HS
10	DAU00001	Environmental Sciences	2	0	0	0	0	0	0	AU
Total			13	2	11	280	420	700	18.5	

SEMESTER-III

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total Marks	Credits	Course Type
						CIA	TEE			
1	DCS30101	Data Structures	3	0	0	40	60	100	3	PC
2	DCS30102	Operating Systems	3	0	0	40	60	100	3	PC
3	DCS30103	Software Engineering	3	0	0	40	60	100	3	PC
4	DCS30104	OOP with C++	3	0	0	40	60	100	3	PC
5	DCS30105	Digital Electronics	3	0	0	40	60	100	3	PC
6	DCS39106	Data Structures Lab	0	0	2	20	30	50	1	PC
7	DCS39107	Operating Systems Lab	0	0	2	20	30	50	1	PC
8	DCS39108	Scripting Languages Lab	0	0	2	20	30	50	1	PC
9	DCS39109	OOP with C++ Lab	0	0	2	20	30	50	1	PC
Total			15	0	8	280	420	700	19	



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SEMESTER-IV

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total Marks	Credits	Course Type
						CIA	TEE			
1	DCS40110	Computer Organization	3	0	0	40	60	100	3	PC
2	DCS40111	Design and Analysis of Algorithm	3	0	0	40	60	100	3	PC
3	DCS40112	Introduction to DBMS	3	0	0	40	60	100	3	PC
4	DCS40113	Web Technologies	3	0	0	40	60	100	3	PC
5	DCS40114	Computer Networks	3	0	0	40	60	100	3	PC
6	DCS49115	Computer Organization Lab	0	0	2	20	30	50	1	PC
7	DCS49116	Design and Analysis of Algorithm Lab	0	0	2	20	30	50	1	PC
8	DCS49117	Database Management System Lab	0	0	2	20	30	50	1	PC
9	DCS49118	Web Technologies Lab	0	0	2	20	30	50	1	PC
10	DCS49119	Computer Networks Lab	0	0	2	20	30	50	1	PC
11	DAU00003	Essence of Indian Knowledge and Tradition	2	0	0	0	0	0	0	AU
Total			17	0	10	300	450	750	20	

SEMESTER-V

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total Marks	Credits	Course Type
						CIA	TEE			
1	DHS00003	Entrepreneurship and Start-ups	3	0	0	40	60	100	3	HS
2	DCS50120	Internet of Things	3	0	0	40	60	100	3	PC
3	DCS50201	A. Mobile Computing B. Multimedia Technologies C. Fundamentals of AI	3	0	0	40	60	100	3	PE
4	DCS50202	A. Information Security B. Network Forensics C. Cloud Computing	3	0	0	40	60	100	3	PE
5	DCS50301	A. Renewable Energy Technologies B. Operations Research C. Corporate Social responsibility	3	0	0	40	60	100	3	OE
6	DCS58101	Industrial Training	0	0	0	0	100	100	2	PROJ
7	DCS58102	Project-I	0	0	0	40	60	100	2	PROJ
Total			15	0	0	240	460	700	19	



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SEMESTER-VI

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total Marks	Credits	
						CIA	TEE			
1	DCS60121	E-Commerce	3	0	0	40	60	100	3	PC
2	DCS60122	Microprocessor	3	0	0	40	60	100	3	PC
3	DCS60203	A. FOSS (Free and Open Source Software) B. Software Testing C. Machine Learning	3	0	0	40	60	100	3	PE
4	DCS60302	A. Game Theory B. Organisational Behaviour C. Fundamentals of Engineering Economics	3	0	0	40	60	100	3	OE
5	DCS60303	A. Cyber law and Security B. Project Management C. Marketing and Sales	3	0	0	40	60	100	3	OE
6	DCS68103	Project-II	0	0	0	40	60	100	6	PROJ
7	DCS68104	Grand Viva	0	0	0	0	100	100	2	PROJ
8	DAU00002	Indian Constitution	2	0	0	0	0	0	0	AU
Total			17	0	0	240	460	700	23	