



BRAINWARE UNIVERSITY
DEPARTMENT OF ELECTRICAL ENGINEERING
Diploma in Electrical Engineering 2021

Induction Program (Duration: 1 week)

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

Different components of Induction Program will be implemented as per the guidelines of Regulatory Bodies

Semester-I

Course Code	Course Name	L - T - P	Credits	Total Marks
DEE101	Communicative English I	2 - 0 - 0	2	100
DEE102	Physics I	3 - 1 - 0	2	100
DEE103	Chemistry	3 - 1 - 0	2	100
DEE104	Mathematics I	3 - 1 - 0	2	100
DEE105	Computer Fundamentals	3 - 1 - 0	2	100
	Practical			
DEE192	Physics I Lab	0 - 0 - 3	2	50
DEE193	Chemistry Lab	0 - 0 - 3	2	50
DEE196	Engineering Drawing I	0 - 0 - 3	2	50
DEE197	Workshop Practice I	0 - 0 - 3	2	50
DEE195	Computer Fundamentals Lab	0 - 0 - 3	2	50
DEE181	NSS	0 - 0 - 1	0	00
	Total		20	750

Semester-II

Paper Code	Paper Name	L - T - P	Credits	Total Marks
DEE201	Communicative English II	2 - 0 - 0	2	100
DEE202	Physics II	3 - 1 - 0	2	100
DEE203	Engineering Mechanics	3 - 1 - 0	2	100
DEE204	Mathematics II	3 - 1 - 0	2	100
DEE205	Environmental Science	3 - 1 - 0	2	100
DEE206	Electrical Technology	3 - 1 - 0	2	100



BRAINWARE UNIVERSITY
DEPARTMENT OF ELECTRICAL ENGINEERING
Diploma in Electrical Engineering 2021

DEE291	Communicative English II Lab	0 - 0 - 3	2	50
DEE292	Physics II Lab	0 - 0 - 3	2	50
DEE293	Engineering drawing II	0 - 0 - 3	2	50
DEE294	Workshop Practice II	0 - 0 - 3	2	50
	Total		20	800

Semester-III

Course code	Course Name	L-T-P	Credits	Total Marks
DEE301	Electrical Circuit and Network	3-1-0	3	100
DEE302	Electrical Machine I	3-0-0	3	100
DEE303	Basic Electronics	3-0-0	2	100
DEE304	Data structure and Algorithm	2-0-0	2	100
DEE305	Elements of Mechanical Engineering	2-0-0	2	100
DEE391	Electrical Circuit and Network Lab	0-0-2	2	100
DEE392	Electrical Machine I Lab	0-0-3	3	100
DEE393	Basic Electronics Lab	0-0-2	2	50
DEE394	Data structure and Algorithm Lab	0-0-2	2	50
DEE381	Electrical Workshop I		2	100
DEE382	Development of Life Skill	1 - 0 - 0		
	Total		23	900

Semester-IV

Course code	Course Name	L-T-P	Credits	Total Marks
DEE401	Electrical Machine II	3-0-0	3	100
DEE402	Electrical Measuring Instrument	3-0-0	2	100
DEE403	Transmission and Distribution of Power	3-0-0	2	100
DEE404	Applied and Digital Electronics	3-0-0	2	100
DEE405	Power Plant Engineering	4-0-0	3	100
DEE406	Development of Life Skill	1-0-0		
DEE491	Electrical Machine II Lab	0-0-3	3	100
DEE492	Electrical Measuring Instrument Lab	0-0-2	2	100
DEE493	Transmission and Distribution of Power Lab	0-0-2	2	100
DEE494	Applied and Digital Electronics Lab	0-0-2	2	50
DEE495	Computer aided Electrical Drawing Lab	0-0-3	2	50
DEE481	Professional Practice I		2	50
	Total		25	950

Semester-V

Course code	Course Name	L-T-P	Credits	Total Marks
DEE501	Power Electronics and Drives	3-0-0	2	100
DEE502	Electrical Measurement and Control	3-0-0	2	100



BRAINWARE UNIVERSITY
DEPARTMENT OF ELECTRICAL ENGINEERING
Diploma in Electrical Engineering 2021

DEE503	Microprocessor and Microcontroller	3-0-0	2	100
DEE504	Switchgear and Protection	3-0-0	2	100
DEE505	Industrial Project and Entrepreneurship Development	1-0-0	2	
DEE506	Utilization, Traction Heating and Drives	3-0-0	2	100
DEE507	Elective I: A. Illumination Engineering B. Heating , Ventilation and Air Conditioning C. Energy Conservation and Audit D. Electric Traction	3-0-0	2	100
DEE591	Power Electronics and Drives	0-0-2	2	50
DEE593	Microprocessor and Microcontroller	0-0-2	2	50
DEE594	Switchgear and Protection Lab	0-0-2	2	100
DEE595	Industrial Project and Entrepreneurship Development Lab	0-0-3	2	100
DEE596	Utilization, Traction Heating and Drives Lab	0-0-2	2	50
DEE597	Elective I Lab: A. Illumination Engineering Lab B. Heating , Ventilation and Air Lab Conditioning C. Energy Conservation and Audit Lab D. Electric Traction Lab	0-0-2	2	50
DEE581	Professional Practice -II		2	50
Total			28	1150

Semester-VI

Course code	Course Name	L-T-P	Credits	Total Marks
DEE601	Electrical Design Estimation and Costing	4-0-0	3	100
DEE602	Electrical Installation, Maintenance, Testing	4-0-0	3	100
DEE603	Industrial Management	3-0-0	2	100
DEE604	Elective II: A. Industrial Automation B. Process Control C. Control of Electrical Machine D. Computer Hardware and Networking	3-0-0	2	100
DEE691	Electrical Design Estimation and Costing Lab	0-0-3	2	100
DEE694	Elective II Lab: A. Industrial Automation B. Process Control C. Control of Electrical Machine D. Computer Hardware and Networking	0-0-3	2	50



BRAINWARE UNIVERSITY
DEPARTMENT OF ELECTRICAL ENGINEERING
Diploma in Electrical Engineering 2021

DEE681	Electrical Workshop II		2	50
DEE682	Professional Practice -III		2	50
DEE683	Industrial Project		2	100
DEE684	Viva Voce		2	100
	Total		22	850

Total Credit: 140