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120 NEP Curriculum With Effect From Academic Year:2023-24 For Learning And Assesment Scheme For Admitted Batch:2023-24																							
Programme Name: Diploma in ELECTRICAL ENGINEERING.												Programme Code: EE											
Duration of Programme: 6 Terms												Term Duration: 16 Weeks											
Scheme: 120-NEP												Path: NEP1											

						Learning Scheme						Assesment Scheme														
Sr. No.	Course Code	Course Name	Course Category	Prerequisite	IKS Hrs	Actual Contact Hrs./Week			Self Learning (Term Work + Assignment)	Notional Learning Hrs /Week	Credits	Paper Duration (hrs.)	Theory				Based on LL & TL Practical				Based on Self Learning		Total Marks	CD		
						CL	TL	LL					FA-TH	SA-TH	Total		FA-PR		SA-PR		SLA					
															Max	Min	Max	Min	Max	Min	Max	Min				
TERM - 1																										
1	ET11201	BASIC ELECTRONICS	DSC	--	--	3	--	2	1	6	3	3	30	70	100	40	25	10	25@	10	25	10	175	No		
2	HU21201	YOGA AND MEDITATION	VEC	--	1	--	--	1	1	2	1	--	--	--	--	--	25	10	--	--	25	10	50	No		
3	HU11201	COMMUNICATION SKILLS (ENGLISH)	AEC	--	--	3	--	2	1	6	3	3	30	70	100	40	25	10	--	--	25	10	150	No		
4	ME11201	ENGINEERING GRAPHICS	DSC	--	2	2	--	4	--	6	3	--	--	--	--	--	50	20	50@	20	--	--	100	No		
5	SC11203	ENGINEERING PHYSICS	DSC	--	2	3	--	2	1	6	3	2	30	70*#	100	40	25	10	25@	10	25	10	175	No		
6	SC11205	BASIC MATHEMATICS	AEC	--	6	4	2	--	--	6	3	3	30	70	100	40	--	--	--	--	--	--	100	No		
7	WS11202	ENGINEERING WORKSHOP PRACTICE	SEC	--	--	--	--	4	--	4	2	--	--	--	--	--	25	10	25@	10	--	--	100	No		
8	CM21201	FUNDAMENTALS OF ICT	SEC	--	--	1	--	2	1	4	2	--	--	--	--	--	25	10	25@	10	25	10	75	No		
Total:					11	16	2	17	5	40	20		120	280	400		200		150		125		925			
TERM - 2																										
1	HU11202	PROFESSIONAL COMMUNICATION	SEC	--	--	--	--	2	--	2	1	--	--	--	--	--	25	10	25@	10	--	--	50	No		
2	EE31201	ELECTRICAL MATERIALS AND DRAWING	SEC	--	--	3	1	2	2	8	4	3	30	70	100	40	25	10	--	--	25	10	150	No		
3	SC11202	APPLIED CHEMISTRY	DSC	--	2	3	--	2	1	6	3	2	30	70*#	100	40	25	10	25@	10	25	10	175	No		
4	SC11207	APPLIED MATHEMATICS	AEC	SC11205	6	3	1	--	--	4	2	3	30	70	100	40	--	--	--	--	--	--	100	No		
5	EE21201	FUNDAMENTALS OF ELECTRICAL ENGINEERING	DSC	--	--	4	--	4	2	10	5	3	30	70	100	40	25	10	25@	10	25	10	175	No		
6	EE21205	COMPUTATIONAL LAB	SEC	--	--	2	--	2	--	4	2	--	--	--	--	--	25	10	50@	20	--	--	75	No		
7	HU21202	YOUTH LEADERSHIP FOR CLIMATE ACTION	VEC	--	--	--	--	--	2	2	1	--	--	--	--	--	--	--	--	--	50	20	50	No		
8	ME21202	BASIC MECHANICAL ENGINEERING	AEC	--	2	2	--	2	--	4	2	--	--	--	--	--	50	20	25@	10	--	--	75	No		
Total:					10	17	2	14	7	40	20		120	280	400		175		150		125		850			
TERM - 3																										
1	HU21203	INDIAN CONSTITUTION: CORE CONCEPTS AND VALUES	VEC	--	--	1	--	--	1	2	1	--	--	--	--	--	--	--	--	--	50	20	50	No		

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						CL	TL	LL					FA-TH	SA-TH	Total		FA-PR		SA-PR		SLA				
															Max	Max	Max	Min	Max	Min	Max	Min			Max
2	ME41202	FUNDAMENTALS OF PYTHON PROGRAMMING	SEC	--	--	1	--	2	1	4	2	--	--	--	--	--	25	10	25@	10	25	10	75	No	
3	EE31202	ELECTRICAL CIRCUITS AND NETWORK	DSC	EE21201	--	3	2	2	1	8	4	3	30	70	100	40	25	10	25@	10	25	10	175	No	
4	EE31203	ELECTRICAL AND ELECTRONIC MEASUREMENT	DSC	EE21201	--	3	--	2	1	6	3	3	30	70	100	40	25	10	25@	10	25	10	175	No	
5	EE31204	ELECTRICAL POWER GENERATION AND TRANSMISSION	DSC	--	--	3	2	--	1	6	3	3	30	70	100	40	25	10	--	--	25	10	150	No	
6	EE31207	MINI PROJECT	DSC	--	--	--	--	2	--	2	1	--	--	--	--	--	50	20	50@	20	--	--	100	No	
7	EE41201	FUNDAMENTAL OF POWER ELECTRONICS	DSC	--	--	3	--	4	1	8	4	3	30	70	100	40	25	10	25@	10	25	10	175	No	
8	EE41204	ELECTRICAL SAFETY	DSC	--	--	2	--	--	2	4	2	1	15	35*#	50	20	--	--	--	--	25	10	75	No	
Total:					--	16	4	12	8	40	20		135	315	450		175		150		200		975		
TERM - 4																									
1	HU21204	SOCIAL AND LIFE SKILLS	VEC	--	--	1	--	2	1	4	2	--	--	--	--	--	25	10	--	--	25	10	50	No	
2	EE31205	DC MACHINES AND TRANSFORMERS	DSC	EE21201	--	2	--	2	2	6	3	2	15	35	50	20	25	10	25@	10	25	10	125	No	
3	EE31206	INSTRUMENTATION AND CONTROL	DSC	--	--	2	--	2	2	6	3	1	15	35*#	50	20	25	10	25@	10	25	10	125	No	
4	EE41202	ELECTRICAL ESTIMATION AND CONTRACTING	DSC	EE31201	--	3	--	2	1	6	3	3	30	70	100	40	25	10	--	--	25	10	150	Yes	
5	EE41203	DISTRIBUTION AND UTILIZATION OF ELECTRICAL ENERGY	DSC	EE31202	--	3	--	2	1	6	3	3	30	70	100	40	25	10	--	--	25	10	150	Yes	
6	EE51201	DIGITAL ELECTRONICS AND MICROCONTROLLER APPLICATION	SEC	--	--	2	--	2	2	6	3	2	15	35	50	20	25	10	25@	10	25	10	125	No	
7	EE51202	ELECTRIC VEHICLE TECHNOLOGY	DSC	--	--	3	--	2	1	6	3	3	30	70	100	40	25	10	--	--	25	10	150	Yes	
Total:					--	16	--	14	10	40	20		135	315	450		175		75		175		875		
TERM - 5																									
1	EE41205	INDUSTRIAL AC MACHINES	DSC	EE31202	--	4	--	2	2	8	4	3	30	70	100	40	--	--	25#	10	25	10	150	Yes	
2	EE41206	TESTING AND MAINTENANCE OF ELECTRICAL EQUIPMENT	DSC	EE31205	--	4	--	2	2	8	4	3	30	70	100	40	--	--	25#	10	25	10	150	Yes	
3	EE41207	CAPSTONE PROJECT	INP	Minimum 60 credits must be acquired	--	--	--	4	--	4	2	--	--	--	--	--	50	20	50#	20	--	--	100	Yes	
4	EE41210	SWITCHGEAR AND PROTECTION	DSC	EE31204	--	4	--	2	2	8	4	3	30	70	100	40	--	--	25#	10	25	10	150	Yes	
ELECTIVE-I(ANY 1)																									
5	EE51203	ENERGY CONSERVATION AND AUDIT	DSE	EE41203	--	3	--	2	1	6	3	3	30	70	100	40	25	10	--	--	25	10	150	Yes	
ELECTIVE-II(ANY 1)																									
6	EE51206	INDUSTRIAL AUTOMATION	DSE	EE51201	--	3	--	2	1	6	3	3	30	70	100	40	25	10	--	--	25	10	150	Yes	

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						CL	TL	LL					FA-TH	SA-TH	Total		FA-PR		SA-PR		SLA			
															Max	Min	Max	Min	Max	Min	Max	Min		
Total:					--	18	--	14	8	40	20		150	350	500		100		125		125		850	

Abbreviations : CL- Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment,SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment, CD : Class Declearation
Legends : @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination
Note :
1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.
2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that course.
3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.
4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks
5. 1 credit is equivalent to 30 Notional hrs.
6. * Self learning hours shall not be reflected in the Time Table.
7. Course Category : Discipline Specific Course Core (DSC) : 3, Discipline Specific Elective (DSE) : 2, Value Education Course (VEC) : 0, Intern./Apprenti./Project./Community (INP) : 1, AbilityEnhancement Course (AEC) : 0, Skill Enhancement Course (SEC) : 0, Generic Elective (GE) : 0
8. If Candidate is detained in any one part of Engineering Workshop Practice course i.e. Central Workshop , EE workshop will be declared as Detained in Engineering Workshop Practice course.
9. For the Candidate remaining absent in practical examination of any one part of Engineering Workshop Practice course i.e. Central Workshop , EE workshop will be declare as Absent in Mark Sheet and has to reappear for the examination. The marks of the part for which candidate was present will not be processed or carried forward.

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