## SR UNIVERSITY Department of Electrical and Electronics Engineering R25 Course Structure

I SEM							
S.No.	Course Code	Course	Hours / W				
	25EEE312ES101		<u>L</u>	<u>R</u>	<b>P</b> 2	<u>C</u>	
2	25EE512ES101 25MAT310BS107	Foundations of Electrical and Electronics Engineering Calculus and Differential Equations	3	1	0	4.5 3.5	
	25WA1510BS107	Calculus and Differential Equations	3	1		3.3	
3	25SCI312BS103	Applied Physics for Electrical and Electronics Engineering	3	1	2	4.5	
4	25MAT310BS109	Probability and Statistics	3	1	0	3.5	
5	25HUM300HS102	Ancient Knowledge and Constitution of India	3	0	0	3	
Total			15	4	4	19	
		II SEM					
S.No.	Course Code	Course	I	<u>Iours</u> R	S / Wo	eek C	
1	25MAT310BS108	Linear Algebra and Numerical Methods	3	1	0	3.5	
2	25SCI202BS106	Computational Chemistry and Biology	2	0	2	3	
3	25ECE104ES102	Smart Product Design	1	0	4	3	
4	25EEE300PC101	Electrical Power Generation	3	0	0	3	
5	25EEE300PC102	Electrical Power Distribution and Utilization	3	0	0	3	
6	25HUM204HS101	Life Skills: Entrepreneurship, Language, Communication and Personality	2	0	4	4	
7	25HUM002AU401	Hobbies, Co-Curricular and Extra-Curricular Elective	0	0	2	1	
	23110101002A0401	Total	14	1	12	20.5	
		III SEM	17	1	12	20.3	
C N					s / W	eek	
S.No.	Course Code	Course	<del>-</del>				
			L	R	P	C	
1	25CAI214ES210	Problem Solving Using Python	2	1	4	4.5	
3	25EEE312PC201	Electrical Circuits & Modeling	3	1	4 2	4.5 4.5	
3 4	25EEE312PC201 25EEE312PC202	Electrical Circuits & Modeling DC Machines and Transformer	3	1 1 1	4 2 2	4.5 4.5 4.5	
3 4 5	25EEE312PC201 25EEE312PC202 25EEE402PC203	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission	3 4	1 1 1 0	4 2 2 2	4.5 4.5 4.5 5	
3 4	25EEE312PC201 25EEE312PC202	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics	3 3 4 3	1 1 1 0	4 2 2 2 2	4.5 4.5 4.5 5 4	
3 4 5	25EEE312PC201 25EEE312PC202 25EEE402PC203	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics Total	3 3 4 3	1 1 1 0	4 2 2 2	4.5 4.5 4.5 5	
3 4 5	25EEE312PC201 25EEE312PC202 25EEE402PC203	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics	3 4 3 15	1 1 1 0 0 3	4 2 2 2 2 2 12	4.5 4.5 4.5 5 4 22.5	
3 4 5	25EEE312PC201 25EEE312PC202 25EEE402PC203	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics Total	3 4 3 15	1 1 1 0 0 3	4 2 2 2 2	4.5 4.5 4.5 5 4 22.5	
3 4 5 6	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total	3 4 3 15	1 1 0 0 3	4 2 2 2 2 12	4.5 4.5 4.5 5 4 22.5	
3 4 5 6 <b>S.No.</b> 1 2	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics	3 3 4 3 15 L 3 4	1 1 0 0 3 Hours	4 2 2 2 2 12 12 P 0 2	4.5 4.5 4.5 5 4 22.5	
3 4 5 6 <b>S.No.</b>	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines	3 3 4 3 15 L 3	1 1 0 0 3 <b>Iours</b> R	4 2 2 2 2 12 12 8 / We	4.5 4.5 4.5 5 4 22.5 eek C	
3 4 5 6 <b>S.No.</b> 1 2 3	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207 25EEE300PC208	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms	3 4 3 15 L 3 4 3	1 1 0 0 3 <b>Iours</b> <b>R</b> 0 0	4 2 2 2 2 12 12 P 0 2 2 0	4.5 4.5 4.5 4 22.5 eek C 3 5 4.5 3	
3 4 5 6 <b>S.No.</b> 1 2 3	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms AI for Electrical Engineering	3 3 4 3 15 L 3 4 3 3 3	1 1 0 0 3 F 0 0 1 0	4 2 2 2 2 12 12 P 0 2 2 0 2	4.5 4.5 4.5 5 4 22.5 eek C 3 5 4.5 3 4	
3 4 5 6 <b>S.No.</b> 1 2 3	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207 25EEE300PC208	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms AI for Electrical Engineering Specialization Core - I	3 4 3 15 15 L 3 4 3 3 3	1 1 0 0 3 <b>Iours</b> <b>R</b> 0 0	4 2 2 2 2 12 12 P 0 2 2 0 2	4.5 4.5 4.5 4 22.5 eek C 3 5 4.5 3 4	
3 4 5 6 <b>S.No.</b> 1 2 3	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207 25EEE300PC208	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms AI for Electrical Engineering Specialization Core - I  Total	3 3 4 3 15 L 3 4 3 3 3	1 1 0 0 3 F 0 0 1 0	4 2 2 2 2 12 12 P 0 2 2 0 2	4.5 4.5 4.5 5 4 22.5 eek C 3 5 4.5 3 4	
3 4 5 6 <b>S.No.</b> 1 2 3	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207 25EEE300PC208	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms AI for Electrical Engineering Specialization Core - I	3 3 4 3 15 L 3 4 3 3 3 19	1 1 0 0 3 <b>Iours</b> <b>R</b> 0 0 1 0	4 2 2 2 2 12 12 P 0 2 2 0 2 8	4.5 4.5 4.5 4 22.5 eek C 3 5 4.5 3 4 23.5	
3 4 5 6 <b>S.No.</b> 1 2 3	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207 25EEE300PC208 25EEE302ES201	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms AI for Electrical Engineering Specialization Core - I  Total	3 3 4 3 15 L 3 4 3 3 3 19	1 1 0 0 3 8 0 0 1 0 0 1	4 2 2 2 2 12 12 P 0 2 2 0 2 8	4.5 4.5 4.5 5 4 22.5 eek C 3 5 4.5 3 4 23.5	
3 4 5 6 <b>S.No.</b> 1 2 3	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204 Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207 25EEE300PC208 25EEE302ES201	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms AI for Electrical Engineering Specialization Core - I  Total  V SEM  Course	3 3 4 3 15 L 3 4 3 3 3 19	1 1 0 0 3 <b>Iours</b> <b>R</b> 0 0 1 0	4 2 2 2 2 12 12 P 0 2 2 0 2 8	4.5 4.5 4.5 4 22.5 eek C 3 5 4.5 3 4 23.5	
3 4 5 6 S.No. 1 2 3 4 5	25EEE312PC201 25EEE312PC202 25EEE402PC203 25EEE302PC204  Course Code 25EEE300PC205 25EEE402PC206 25EEE312PC207 25EEE300PC208 25EEE302ES201  Course Code	Electrical Circuits & Modeling DC Machines and Transformer Electrical Power Transmission Analog and Digital Electronics  Total  IV SEM  Course  Power System Protection Power Electronics AC Rotating Machines Signals, Systems, and Transforms AI for Electrical Engineering Specialization Core - I  Total  V SEM	3 3 4 3 15 L 3 4 3 3 3 19	1 1 0 0 3 Iours R 0 0 1 0 0 1	4 2 2 2 2 12 12 8 7 W 0 2 2 2 0 2 8	4.5 4.5 4.5 5 4 22.5 eek C 3 5 4.5 3 4 4 23.5	

		Specialization Core - II	3	0	2	4		
5	25HUM104HS201	Critical Thinking and Interpersonal Skills	1	0	4	3		
6	25EEE002PR401	Undergraduate Research in Electrical and Electronics Engineering	0	0	2	1		
7	25CIV200HS301	Sustainability and Ethical Innovation	2	0	0	2		
		Total	15	1	14	22.5		
VI SEM								
C N -	Corres Code		Hours / Week			eek		
S.No.	Course Code	Course	L	R	P	С		
1	25EEE302PC304	Power System Operation and Control	3	0	2	4		
2	25EEE402PC305	Microprocessors and Microcontrollers	4	0	2	5		
3	25HUM006HS202	Quantitative Aptitude and Logical Reasoning	0	0	6	3		
4		Specialization Elective - I	2	0	2	3		
5		Specialization Elective - II	2	0	2	3		
6		Program Elective - I	3	0	2	4		
		Total	14	0	16	22		
		VII SEM						
S.No.	Course Code	Course			s / We			
1	25EEE010PR402	Capstone Project	<u>L</u>	<b>R</b>	10	<b>C</b> 5		
2	ZJEECTOT K-102	Program Elective - II	3	0	0	3		
3		Program Elective - III	3	0	0	3		
4		Program Elective - IV	2	0	2	3		
5		Open Elective - I	2	0	2	3		
		*	2	0	2	3		
6		Open Elective - II	12	0	16	20		
Total								
		Or			10	20		
		Or Industrial Project/P&D Project/Industry Internship/Start			10			
1	25EEE040PR403	Industrial Project/R&D Project/Industry Internship/Start-up/Externship	0	0	40	20		
1	25EEE040PR403	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total	0					
1	25EEE040PR403	Industrial Project/R&D Project/Industry Internship/Start-up/Externship	0	0	40	20 <b>20</b>		
1 S.No.	25EEE040PR403  Course Code	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total	0	0 <b>0</b> Hours	40 40 8 / We	20 20 eek		
	Course Code	Industrial Project/R&D Project/Industry Internship/Start-up/Externship  Total  VIII SEM  Course	0 I L	0 0 Hours	40 40 8 / We	20 20 eek C		
		Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry	0	0 <b>0</b> Hours	40 40 8 / We	20 20 eek		
S.No.	Course Code	Industrial Project/R&D Project/Industry Internship/Start-up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship	0 L 0	0 0 Hours R	40 40 8 / Wo P 40	20 20 2ek C 20		
S.No.	Course Code	Industrial Project/R&D Project/Industry Internship/Start-up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total	0 I L	0 <b>0 Hours R</b> 0 <b>0</b>	40 40 8 / Wo P 40 40	20 20 eek C		
S.No.	Course Code	Industrial Project/R&D Project/Industry Internship/Start-up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits	0 L 0	0 <b>0 Hours R</b> 0 <b>0</b>	40 40 8 / Wo P 40	20 20 2ek C 20		
<b>S.No.</b> 1	Course Code 25EEE040PR404	Industrial Project/R&D Project/Industry Internship/Start-up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives	0 L 0	0 0 Fours R 0 0	40 40 8 / Wo P 40 40	20 20 20 C 20 20 20		
S.No.	Course Code	Industrial Project/R&D Project/Industry Internship/Start-up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits	0 L 0	0 <b>0 Hours R</b> 0 <b>0</b>	40 40 8 / Wo P 40 40	20 20 2ek C 20		
<b>S.No.</b> 1	Course Code 25EEE040PR404	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Course	0 L 0	0 0 Fours R 0 0	40 40 8 / Wo P 40 40	20 20 20 C 20 20 20		
S.No.	Course Code 25EEE040PR404  Course Code	Industrial Project/R&D Project/Industry Internship/Start-up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Program Elective - I	0 L 0	0 0 R 0 1	40 40 8 / Wo P 40 40 170	20 20 20 20 20 20 20 C		
S.No. 1 S.No.	Course Code  25EEE040PR404  Course Code  25EEE302PE401	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Program Elective - I  FACTS Devices	0 L 0	0 0 R 0 R	40 40 8 / Wo P 40 40 170 P	20 20 20 20 20 20 20 4		
S.No. 1 S.No.	Course Code  25EEE040PR404  Course Code  25EEE302PE401	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total  Total Credits  Program Electives  Program Elective - I  FACTS Devices  PLC Programming and Applications  Program Elective - II  Power Markets and Trading	0 L 0 0 1 3 3	0 0 R 0 R	40 40 8 / Wo P 40 40 170 P	20 20 20 20 20 20 4 4 4		
S.No.  1  S.No.  1  2	Course Code  25EEE040PR404  Course Code  25EEE302PE401 25EEE302PE402	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Program Elective - I  FACTS Devices  PLC Programming and Applications  Program Elective - II	0 L 0 0	0	40 40 8 / Wo P 40 40 170 P	20 20 20 20 20 20 4 4		
S.No.  1  S.No.  1  2	Course Code  25EEE040PR404  Course Code  25EEE302PE401 25EEE302PE402  25EEE300PE403 25EEE300PE404	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Course  Program Elective - I  FACTS Devices  PLC Programming and Applications  Program Elective - II  Power Markets and Trading  Smart Electrical Measurements  Program Elective - III	0 0 0 0 1 1 3 3 3	0 0 R 0 0 0 0	40 40 8 / Wo P 40 40 170 P 2 2 0 0	20 20 20 20 20 20 4 4 3 3 3		
S.No.  1  S.No.  1  2  1  2	Course Code  25EEE040PR404  Course Code  25EEE302PE401  25EEE302PE402  25EEE300PE403  25EEE300PE404  25EEE300PE405	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Course  Program Elective - I  FACTS Devices  PLC Programming and Applications  Program Elective - II  Power Markets and Trading  Smart Electrical Measurements  Program Elective - III  SCADA Systems	0 L 0 0 1 3 3 3	0	40 40 40 40 40 40 170 P	20 20 20 20 20 20 4 4 3 3 3		
S.No.  1  S.No.  1  2  1  2  1  2	Course Code  25EEE040PR404  Course Code  25EEE302PE401  25EEE302PE402  25EEE300PE403  25EEE300PE404  25EEE300PE405  25EEE300PE406	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Course  Program Elective - I  FACTS Devices  PLC Programming and Applications  Program Elective - II  Power Markets and Trading  Smart Electrical Measurements  Program Elective - III  SCADA Systems  Advanced Machines	0 0 0 0 1 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0	40 40 40 40 40 40 40 40 0 0 0 0	20 20 20 20 20 20 3 3 3 3		
S.No.  1  S.No.  1  2  1  2	Course Code  25EEE040PR404  Course Code  25EEE302PE401  25EEE302PE402  25EEE300PE403  25EEE300PE404  25EEE300PE405	Industrial Project/R&D Project/Industry Internship/Start- up/Externship  Total  VIII SEM  Course  Major Project/Industrial Project/R&D Project/ Industry Internship/Start-up/Externship  Total  Total Credits  Program Electives  Course  Program Elective - I  FACTS Devices  PLC Programming and Applications  Program Elective - II  Power Markets and Trading  Smart Electrical Measurements  Program Elective - III  SCADA Systems	0 L 0 0 1 3 3 3	0	40 40 40 40 40 40 170 P	20 20 20 20 20 20 4 4 3 3 3		

Program Elective - IV							
1	25EEE202PE408	Foundations of IoT	2	0	2	3	
2	25EEE202PE409	Sensors and Actuators	2	0	2	3	
3	25EEE202PE410	Digital Systems for Signal Processing	2	0	2	3	
Electric Vehicles Specialization Core Courses							
S.No.	Course Code	Course	L	R	P	C	
1	25EEE302SC401	Electric Vehicle Systems and Components	3	0	2	4	
2	25EEE302SC402	Powertrain for Electric Vehicles	3	0	2	4	
		Electric Vehicle Specialization Elective I	•				
1	25EEE202SE401	Hybrid Electric Vehicles	2	0	2	3	
2	25EEE202SE402	EV Charging Infrastructure	2	0	2	3	
		Electric Vehicle Specialization Elective II					
1	25EEE202SE403	Battery Management Systems	2	0	2	3	
2	25EEE300SE404	Autonomous Vehicle	3	0	0	3	
		Renewable Energy Specialization Core Courses					
S.No.	Course Code	Course	L	R	P	C	
1	25EEE302SC403	Wind Energy Systems	3	0	2	4	
2	25EEE302SC404	Solar Photovoltaic Engineering	3	0	2	4	
<u> </u>		Renewable Energy Specialization Elective I	Т.	1 .			
1	25EEE300SE405	Hydel Power Engineering	3	0	0	3	
2	25EEE202SE406	Smart Grid Technologies	2	0	2	3	
		Renewable Energy Specialization Elective II	<del>                                     </del>	_	_		
1	25EEE202SE407	Cyber Physical Systems	2	0	2	3	
2	25EEE202SE408	Power Electronics for Renewable Energy	2	0	2	3	
		Robotics and Automation Specialization					
		Specialization Core		ı			
1	25MEC302SC202	Robotics and Automation	3	0	2	4	
2		Robotic System Design	3	0	2	4	
<u> </u>		Specialization Elective - I (Robotics and Automation)	T _	I -			
1	25MEC300SE303	Sensors and Control for Robotics	3	0	0	3	
2		AI in Robotics	3	0	0	3	
		Specialization Elective - II (Robotics and Automation)	Τ .		0		
1		Robotics Operating System	3	0	0	3	
2	25MEC300SE404	Machine Vision and Safety	3	0	0	3	
		Honors (I, II, III, IV) Semester - III					
1	25EEE400HN401	Power Quality	4	0	0	4	
1	23EEE40011N401	Semester - IV		U	U	_ +	
1	25EEE400HN402	Data Analytics and Cybersecurity for Energy Systems	4	0	0	4	
1	23LLL4001111402	Semester - V		U	U	_ +	
1	25EEE400HN403	Communication Systems	4	0	0	4	
1	22222 1001111403	Semester - VI	<u> </u>		U	'	
1	25EEE400HN404	Grid Integration of Renewable Energy Sources	4	0	0	4	
*	20222 1001111107	Minors (I, II, III, IV)	<u> </u>		J	•	
Semester - III							
1	25EEE400MN401	Electrical Power Generation Systems	4	0	0	4	
		Semester - IV					
1	25EEE400MN402	Electrical Transmission and Distribution Systems	4	0	0	4	
	0.5DDD 1003 = 5101	Semester - V	1 .				
1	25EEE400MN403	Wind Power Generation Technologies	4	0	0	4	
1	25EEE400MN404	Semester - VI Solar Photovoltaics	1 4	0	0	4	
1	43EEE4UUWIN4U4	Solar I Homovoltaics	4	U	U	4	

Hobbies, Co-Curricular and Extra-Curricular (HCE) Electives							
S.No.	Course Code	Course	L	R	P	C	
1	25HUM002AU401	Community Engagement and Social Responsibility through	0	0	2	1	
2	25HUM002AU402	Leadership and Collaboration through Student Clubs	0	0	2	1	l
3	25HUM002AU403	Physical Education and Sports for Holistic Development	0	0	2	1	l
4	25HUM002AU404	Experiential Learning through Internships	0	0	2	1	l
5	25HUM002AU405	Skill Enrichment and Creativity through Hobby Activities	0	0	2	1	
6	25HUM002AU406	Visual Storytelling and Documentation through	0	0	2	1	
7	25HUM002AU407	Skill Acceleration and Applied Learning through Boot	0	0	2	1	İ
8	25HUM002AU408	Indian Classical Music	0	0	2	1	İ
9	25HUM002AU409	Classical and Folk Dance Traditions of India	0	0	2	1	
10	25HUM002AU410	Traditional Indian Culinary Practices	0	0	2	1	
	In Special Cases Op	en Electives, Program Electives, Specialization Electives may	be co	onside	ered		
		Minor Courses offered by NEST	1	ı			
S.No.	Course Code	Course	L	R	P	C	
1	25BUS400MN401	Startup Garage	4	0	0	4	]
2	25BUS400MN402	Startup Launch and Business Operation	4	0	0	4	
3	25BUS400MN403	Digital Marketing Strategy	4	0	0	4	
4	25BUS400MN404	Growth Hacking	4	0	0	4	
		Open Electives	ı	ı			
S.No.	Course Code	Course	L	R	P	C	
1	25CAI202OE401	Fundamentals of Database Management Systems	2	0	2	3	
2	25CAI202OE402	Fundamentals of Data Structures	2	0	2	3	CSE
3	25CAI202OE403	Analysis and Design of Algorithms	2	0	2	3	
4	25ECE300OE404	Principles of Communication	3	0	0	3	l <sub>m</sub>
5	25ECE300OE405	Sensors and Transducers	3	0	0	3	ECE
6	25ECE300OE406	Design for Social Impact	3	0	0	3	(1)
7	25EEE300OE407	Introduction to Electric Vehicle Technologies	3	0	0	3	EEE
8	25EEE202OE408	Introduction to PLC Programming	2	0	2	3	Œ
9	25MEC300OE409	Operations Research	3	0	0	3	
10	25MEC3000E410	3D Printing	3	0	0	3	ME
11	25MEC3000E411	Renewable Energy Resources	3	0	0	3	Ħ
12	25MEC104OE412	Workshop Practices	1	0	4	3	
13	25CIV300OE413	Disaster Management	3	0	0	3	
14	25CIV300OE414	Pollution and Control Engineering	3	0	0	3	Œ
15	25CIV300OE415	Smart Cities	3	0	0	3	
16	25BUS300OE416	Digital Marketing	3	0	0	3	
17	25BUS300OE417	Startup Launch and Ecosystems	3	0	0	3	SoB
18	25BUS300OE418	Finance for Engineers	3	0	0	3	1
19	25SCI202OE419	Space Physics	2	0	2	3	S
20	25SCI202OE420	Nanomaterials and Technology	2	0	2	3	Basic Science
21	25SCI202OE421	AI for Drug Discovery	2	0	2	3	ice
22	25MAT300OE422	Integral Transforms and Partial Differential Equations	3	0	0	3	Z
23	25MAT300OE423	Optimization Techniques	3	0	0	3	Math
24	25HUM202OE424	LSRW Language Skills	2	0	2	3	
25		Learning How to Learn	3	0	0	3	Ē
26	25HUM300OE426	German for Professionals	3	0	0	3	English
27		Japanese Language and Culture	3	0	0	3	ish
28	25HUM300OE428	Spanish for Global Work Place	3	0	0	3	
29		NCC Foundation course	3	0	0	3	N
30		NCC Basic course	3	0	0	3	С
31		NCC Advanced Course	3	0	0	3	С
	l.	1					

32	25AGR202OE432	Food Safety and Quality Management from Farm to Fork	2	0	2	3	$\mathbf{A}$	
33	25AGR300OE433	Socio-Economic Transformations in Indian Agriculture	3	0	0	3	G	
34	25AGR300OE434	Smart Farming Technologies for Doubling the Farmer	3	0	0	3	R	
35	25AGR300OE435	Sky Farming and Urban Horticulture Systems	3	0	0	3	] 1	
	Flex	ible Courses for Open Electives and Professional Electives						
S.No.	Course Code	Course	L	R	P	C		
1	25HUM202CR401	Industry Certification	2	0	2	3		
2	25HUM300CR402	Professional Skill Development	3	0	0	3		
3	25HUM300CR403	Self-Paced Learning	3	0	0	3		
In Spec	In Special Cases Open Electives may be considered as Program Electives							
In Spec	cial Cases Program E	lectives may be considered as Open Electives						
In Spec	In Special Cases Program Electives may be considered as Specialization Electives							
In Spec	In Special Cases Specialization Electives may be considered as Program Electives							
In Spec	In Special Cases Specialization Electives may be considered as Open Electives							
In Spec	In Special Cases Open Electives may be considered as Specialization Electives							
In Spec	In Special Cases Open Electives may be considered as LHS Electives							
In Spec	In Special Cases LHS Electives may be considered as Open Electives							

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