2025 8th SEM PROJECT WORK Guide and reviewer list

CourseTitle PROJECTWORK–4 / Course Code: 22EC8PWPJ4 / Credits 5 (L–T–P 0:0:5)

No	Numbe	Guide choice-1	Reviewer -1	Reviewer -2	Student Name	USN	Project Domain	Project Title	Hardware/software	Software tool used
1	PW-1	Prof. K POORNIMA KAMATH	Dr. K P LAKSHMI	Prof. PRIYADARSHINI J	Jayanth M N	1BM21EC051	AIML	Voice Unlock	software	MFCC/LPC model
					Harika veluru	1BM21EC043				
					Maanasa U	1BM21EC074				
					Tanvi D	1BM21EC183				
2	PW-2	Dr. FEROZ MORAB	Prof. HARISH V MEKALI	Dr. SHIVKUMAR M	Harshit Bhardwaj	1BM21EC046	Antenna	Dual polarized ka-band flared antenna	Hardware andsoftware	Ansys
					Satvik pandey	1BM21EC226				
					Satwik tripathi	1BM21EC227				
					Yashvardhan singh bhati	1BM21EC215				
3	PW-3	Dr. RAJANIKANTH K N	Dr. SUDHINDRA K R	Dr. SHIVKUMAR M	Manish G H	1BM21EC076	Blockchain	Blockchain based EHR with Speech transcription for medical diagnosis	Software	
					Nihal B R	1BM21EC085				
					Prithvi R Joshi	1BM21EC110				
					Priyadarshini L Gurav	1BM21EC111				
4	PW-4	Prof. A P POOJA	Dr. POORNIMA G	Prof. SHAILA V HEGDE	Tanzeel Pasha	1BM21EC184	RF	Filtenna [Parallel Coupled BPF attached with Antipodal antenna]	Hardware & Software	Ansys HFSS, ADS
					UTTAM	1BM21EC190				
					Varshith J	1BM21EC193				
					Vishwas Venkatesh Pai	1BM21EC210				
5	PW-5	Prof.JEERU DINESH REDDY	Dr. D. SHESHACHALAM	Dr. RAJANIKANTH K N	Titikshaditi J	1BM21EC188	VLSI, AIML	MNIST Handwritten Digit Recognition using Verilog	Hardware & Software	Xilinx Vivado, Google colab
					Vaibhavi Prabhu	1BM21EC191				
					VVS Jaswikha	1BM21EC197				
					VLS Sarvani	1BM21EC198				
6	PW-6	Dr. MADHUSUDHAN K N	Dr. D. SHESHACHALAM	Prof.JEERU DINESH REDDY	Prem Kumar Anurag	1BM21EC229	Computer Vision, Embedded Systems	BLIN-TALK	Hardware & Software	Python, YOLOv8, OCR, TTS
					Kshtiz Shrivastava	1BM21EC064				
					Rishabh Kumar	1BM21EC234				
					Borish Yumnam	1BM21EC024				
7	PW-7	Dr. POORNIMA G	Prof. SHAILA V HEGDE	Prof. JYOTHI RAVIKKUMAR	Nihal Hegde	1BM21EC086	IOT	Aircraft real time analysis black box	hardware	arduino
					Prem Rao	1BM21EC108				
					Vinay Suresh	1BM21EC201				
					Rishan kundety	1BM21EC218				
8	PW-8	Dr.ARCHANA H R	Dr. M N SUMA	Dr. JISHA P	Aditya Raj K	1BM21EC009	IOT/Firmware	MagicMirror	hardware & software	Electron
					Deepthi M	1BM21EC033				
					Fayaz Parris H	1BM21EC036				
					Gagan Sai N	1BM21EC037				
9	PW-9	Prof. K SUJATHA	Dr. KIRAN BAILEY	Dr. KARTHIKEYA G S	Eshwar Bevoor	1BM21EC035	VLSI	Rtl design of I2C protocol and verification through UVM	software	Eda playground
					Hanumesh V Burli	1BM21EC042				
					G Lochan	1BM21EC072				
					Alok Kumar	1BM21EC012				
10	PW-10	Prof. SHAILA V HEGDE	Dr. POORNIMA G	Dr. JISHA P	Sushant SC	1BM21EC178	VLSI	Optimized Convolutional Neural Network Accelerator for ASICs Using Efficient Multiplier Architectures	Hardware + Software	AMD Vivado
					Vikas K	1BM21EC199				
					Vishrut S Mokashi	1BM21EC208				
					Bharadwaj	1BM19EC209				
		Dr. SHIVKUMAR	Prof. HARISH	Dr. FEROZ	Vamshi B	1BM21EC192	Antenna Design	Low cost wideband ME dipole antenna	Hardware and	
					Tilak Shastri	1BM21EC187				
					Varun CV	1BM21EC194				

11	PW-11	M	V MEKALI	MORAB	Lakshmi Shree V	1BM21EC070	and Fabrication	for 5G applications	Software	ANSYS HFSS
					Aurosrionkar Raju G	1BM21EC233				
					Vinayak Agarwal	1BM21EC202				
		Prof. ASHWINI	Dr.	Prof. SHRISHA	Suranjan Narayan	1BM21EC175			Hardware and	
12	PW-12	V	HEMAVATHI	M R	Aarav Gupta	1BM21EC235	IOT + Software	Smart Lock using TOTP	software	Arduino
					Prarthana R	1BM21EC102				
					Shreya S	1BM21EC155				
			Dr.		Vasisht H K	1BM21EC195		AUTOMOTIVE SECURITY SYSTEM		
13	PW-13	Dr.H N LATHA	SIDDAPPAJI	Prof. EESHA D			IOT	FOR 4 WHEELERS	HARDWARE	RASPBIAN OS
					S M Nithish	1BM21EC134				
					Rahul G	1BM21EC121				
		Prof. ASHWINI	Dr.	Prof. SHRISHA	Rohan K	1BM21EC056		HARDWARE ACCELERATOR FOR		
14	PW-14	V	HEMAVATHI	M R	Pradeep Naik	1BM19EC106	VLSI	KNN ALGORITHM	Hardware	Vivado
					Keerthi Ganiger	1BM21EC057				
					Sneha S	1BM21EC164				
		Prof. MONIKA	Prof. R C	Prof. SUPRITH	Srushti Shetty	1BM21EC170				
15	PW-15	SHARMA D	RADHA	KUMAR K S	Y Ashwini	1BM21EC212	iot	building health monitoring system	both	python
					Abishek TS	1BM21EC006				
		Dr.			AQ Shahvez	1BM21EC002				
		KARTHIKEYA	Prof. K	Dr. KIRAN	Akshat Srivastava	1BM21EC011				Python, sql,Flask, Py
16	PW-16	G S	SUJATHA	BAILEY	Satwik Gupta	1BM21EC145	AIML	SQLi detection and prevention	Software	torch
					Lalith Mohan J H	1BM21EC071		SINGLE CYCLE AND 5		
					Lakshman T	1BM21EC064		PROCESSOR		
		Dr.			Kushal Dinesh Andani	1BM21EC065				
17	PW-17	SIDDAPPAJI	Dr.H N LATHA	Prof. EESHA D	Ayush kashyap	1BM21EC021	VLSI		Software	iVerilog
					Afra Feroz	1BM21EC010				
			Prof.	Prof. K	Ananya S Bhat	1BM21EC014				
		Dr. K P	PRIYADARSH	POORNIMA	K.G. Anjali	1BM21EC053	Embedded			
18	PW-18	LAKSHMI	INI J	KAMATH	Manaswini S. M. Gowda	1BM21EC075	Systems	Short Distance Tracker	ESP32, PCB	Arduino IDE
					Chaudhary	1BM21EC115				
		Dr.		Prof. JYOTHI	Rahul Rathod	1BM21EC122		TTA based coprocessor compatible with		Cadence Genus,
		R.JAYAGOWR	Dr. H H	RAVIKKUMA	Sahil Savanth M	1BM21EC139		RISC-V with a Vedic Multiplier based		Cadence Innovus,
19	PW-19	I	SURENDRA	R	Sanjana A	1BM21EC143	VLSI	MAC Unit	Software	iVerilog
					Keerthi M	1BM21EC058				
					Lakshmi Girish	1BM21EC069				
				Dr.						
		Dr. KIRAN	Prof. K	KARTHIKEYA	Priyadarshi N M	1BM21EC112		RISC-V integrated floating-point ALU		iVerilog, vivado,
20	PW-20	BAILEY	SUJATHA	G S			VLSI	for shortest distance calculation	software	GTKWave
					L.Jeevith	1BM21EC066				
					Mithuna Shetty	1BM21EC078		ADVANCED SURVEILLANCE		
		Prof. SHRISHA	Prof. ASHWINI	Dr.	Naipunya Kiran	1BM21EC081		SYSTEM FOR REAL-TIME	Software and	
21	PW-21	M R	V	HEMAVATHI	Dharshan Somappa	1BM21EC228	IOT	MONITORING	Hardware	Arduino IDE
					Garima	1BM21EC038				
					Riya Ravikkumar	1BM21EC130				
		Dr.								
		GEETISHREE	Prof. SUPRITH	Prof. MONIKA	Vikas L	1BM21EC200	Artificial			Python, Autogen,
22	PW-22	MISHRA	KUMAR K S	SHARMA D	Shreya N	1bM21EC154	Intelligence	AI Data Science Assistant	Software	Docker, Streamlit
					Nagashri M	1BM21EC080				
		Dr. M			Preethi R	1BM21EC107				
		ANANTHA	Dr.R.KALPAN	Prof. B				Synthesis and fabrication of OLED		

23	PW-23	SUNIL	A	HARSHITHA			Nano materials	devices.	Rand D	
24	PW-24	Prof. PRIYADARSHINI J	Dr. K P LAKSHMI	Prof. K POORNIMA KAMATH	Santhosh Naidu Srusti G S Siddharth Anvekar M Madhusree	1BM21EC144 1BM21EC171 1BM21EC158 1BM21EC073	VLSI	Hardware Encryptor for IOT application .	software and hardware	xilinx and Basys 3 board
25	PW-25	Prof. JYOTHI RAVIKKUMAR	Dr. R.JAYAGOWRI	Dr. H H SURENDRA	Imran S K Nandan Srinivaas CR Sandeep Krithik Venugopal	1BM21EC050 1BM21EC055 1BM21EC030 1BM21EC063	E mbedded secure communication	Homomorphic encryption using CKKS Scheme	software and hardware	Jupiter, Rasberry pi
26	PW-26	Prof. EESHA D	Dr.H N LATHA	Dr. SIDDAPPAJI	Ramvikas G S Rajath A N Sadhwin S shetty Sai sankalp T S	1BM21EC126 1BM21EC123 1BM21EC137 1BM21EC140	embedded	landslide detection and Collison avoidance	software and hardware	Arduino IDE
27	PW-27	Dr. M N SUMA	Dr.ARCHANA H R	Dr. JISHA P	Ayush Rathore Chirag Hritvik Jain Keshav	1BM21EC022 1BM21EC223 1BM21EC049 1BM21EC220	Wireless Communication , Deep Learning	AI-Driven Channel Estimation for 5G Massive MIMO Systems	software	python, Matlab
28	PW-28	Dr. D. SHESHACHALAM	Dr. RAJANIKANTH K N	Prof.JEERU DINESH REDDY	Nikhil H Raju Pooja R Udupa Poornima Ramesh Medi Priyadarshini R	1BM21EC088 1BM21EC093 1BM21EC094 1BM21EC113	FPGA, ML	FPGA-Based Gesture-to-Text Conversion for Inclusive Communication	Both	Vivado
29	PW-29	Dr. K P LAKSHMI	Dr. MADHUSUDHAN K N	Dr. SHIVKUMAR M	Priyanshu Dhasmana Prashant Sharma Rudra Pranav Rijul Bhardwaj	1BM21EC114 1BM21EC103 1BM21EC133 1BM21EC129	Web Development	ECE Department Website	Software	HTML , CSS, Javascript, MERN
30	PW-30	Dr. SHIVKUMAR M	Prof. HARISH V MEKALI	Dr. FEROZ MORAB	G Anil Kumar Ranjit Kumar S L Arshan T C Mounesh	1BM22EC406 1BM22EC417 1BM22EC402 1BM22EC413	Embedded system	Vehicle Accident alert system	Hardware and software	Arduino IDE
31	PW-31	Prof. MONIKA SHARMA D	Prof. R C RADHA	Prof. SUPRITH KUMAR K S	Deeksha B N C Karthik P S Santhosha K S Sharath G	1BM22EC405 1BM22EC409 1BM22EC419 1BM22EC420	VLSI	Efficient Hardware 1×3 Router Design	Both	Vivado
32	PW-32	Prof.SOWMYA SUNKARA	Dr.LALITHA S	Prof. BHAVANA H T	Skandha S Bhat Sonali Nilesh Ghode Shashank Ajjampur	1BM21EC162 1BM21EC166 1BM21EC148	VLSI	Design and development of 1x3 router	software	cadence
33	PW-33	Prof. SUPRITH KUMAR K S	Prof. R C RADHA	Prof. MONIKA SHARMA D	Pradhyumna V Acharya Pritham H Suvarna	1BM21EC095 1BM21EC109	VLSI	Interface Module for Network on Chip	Both	Synopsys VCS
34	PW-34	Prof. GEETA	Dr.R.KALPANA	Dr. M ANANTHA SUNIL	Rohan Bhat Rohan H Sweekrutha Jayarama Prateeksha Jahagirdar	1BM21EC131 1BM21EC132 1BM21EC180 1BM21EC232	Machine Learning	Parkinson Detector	Both	Python, Microprocessor/Microcontroller
		Dr. K P	Prof. PRIYADARSH	Prof. K POORNIMA	Tejaswini J Raghavi S A Saniya D	1BM21EC186 1BM22EC414 1BM22EC418	Embedded			VS Code (HTML, CSS, Node.js),

35	PW-35	LAKSHMI	INI J	KAMATH	Gnan Tejas D	1BM21EC039	System	Wireless Public Addressing System	Both	MYSQL
					SURAJ KUMAR	1BM21EC174	Learning	Selection With Machine Learning		
					BHARADWAJ	1BM21EC020				
		Prof.		Prof.SOWMYA	Harshitha D	1BM21EC047				
36	PW-36	BHAVANA H T	Dr.LALITHA S	SUNKARA	Shivaprasad K	1BM21EC151			both	Python
					SHREEGOURI C S	1BM21EC153				
				Dr.	SAMUDRALA	1BM21EC167				
		Dr. FEROZ	Prof. HARISH	SHIVKUMAR	ALFIYA KOUSER A	1BM21EC231		IOT Based Smart Biofloc monitoring		
37	PW-37	MORAB	V MEKALI	M	SANKALP BHATT B	1BM21EC225	IOT	system for fish farming	both	arduino ide,java
					S Nithin	1BM21EC135				
					Sathwik PS	1BM21EC146				icarus verilog, EDA
		Prof.SOWMYA		Prof.	Shishir M	1BM21EC150		UVM verification of BIST		playground,
38	PW-38	SUNKARA	Dr.LALITHA S	BHAVANA H T	Shreyas Udaykumar Naik	1BM21EC156	VLSI	implementation of UART	software	Synopsys VCS
					Hamsa V N	1BM22EC407				
					Sushma D	1BM22EC422				Firebase Realtime Database (Cloud
				Dr.ARCHANA						Platform), Arduino
39	PW-39	Dr. JISHA P	Dr. M N SUMA	H R			Embedded systems	Dual-Axis Solar Tracker with Cloud Dashboard	Hardware (ESP32)	IDE
					Anushree J	1BM21EC016				
					Kirti Sudha Sahoo	1BM21EC061				
			Prof.SOWMYA	Prof.	Nayan Agarwalla	1BM21EC083		Secure storage of medical records using		
40	PW-40	Dr.LALITHA S	SUNKARA	BHAVANA H T	Pranshu Gupta	1BM21EC101	IoT	raspberryPi and fingerprint sensor	both	
					Arjun Kumar	1BM21EC017				
		Prof.		Prof. K	Suriyansh Singh parihar	1BM21EC176				
		PRIYADARSH	Dr. K P	POORNIMA	Anubhav amrit	1BM21EC015				
41	PW-41	INI J	LAKSHMI	KAMATH			Iot	EV charging using solar	hardware	
						1BM21EC182				
		Dr.	Dr.	Dr.	Yathish C S	1BM21EC216		"NOTE-MUTE : SMART		
		SHIVKUMAR	SUDHINDRA	MADHUSUDH	Rakshith Gowda K	1BM22EC415	Android	MULTILINGUAL HANDWRITING		Android studio,
42	PW-42	M	K R	AN K N	Sumanth S J	1BM22EC421	application	INTERPRETER"	Software	firebase
					Shrinidhi Bapuri	1BM21EC157				
			Dr.	Prof. JYOTHI	Sneha S Gowda	1BM21EC165		Virtual Telemedicine System for Remote		
		Dr. H H	R.JAYAGOWR	RAVIKKUMA	Yuktapriya D S	1BM21EC217	Internet of	Health Monitoring		
43	PW-43	SURENDRA	I	R	Kulkarni	1BM21EC119	Things (IoT)	using Machine Learning		
					C N Thanush	1BM21EC025		DETECTION & EMERGENCY ALERT		
					Abhishek k	1BM21EC005				
		Dr.	Prof. ASHWINI	Prof. SHRISHA	Abhilash S	1BM21EC003	Embedded			
44	PW-44	HEMAVATHI	V	M R	Hari Kumar K	1BM21EC044	system		Hardware	Arduino Ide
					Nihal Jordan	1BM21EC087				
			Dr. BEENA		Param Mehul Shah	1BM21EC091				
		Dr.	ULLALA		R Mansha	1BM21EC118	Communication	AI Driven Self Healing Network for Link		
45	PW-45	HEMAVATHI	MATA B N	Dr. SHACHI P	Sri Lakshmi P	1BM21EC169	and AI	Failure Detection and Recovery	Software	Omnet++, Python
					Bharath M S	1BM22EC403				
		Prof. JYOTHI		Dr.	Tharun Kumar U	1BM22EC423		DUAL-AXIS SOLAR TRACKING AND		
		RAVIKKUMA	Dr. H H	SHIVKUMAR	KUMARA SWAMY H S	1BM22EC410	Embedded	WIRELESS CHARGING FOR		
46	PW-46	R	SURENDRA	M	SRIKANT NAIK	1BM22EC412	System	ELECTRIC VEHICLES	Hardware	Arduino IDE
					Spoorthi M	1BM21EC219				
			Prof.SOWMYA	Prof.	Vaishnavi Potti	1BM21EC221	Machine			

47	PW-47	Dr.LALITHA S	SUNKARA	BHAVANA H T	Yashaswini N R	1BM21EC222	learning	Sign language to voice translator	Software	Vscode
					Sharankumar R K	1BM21EC147				
			Dr. BEENA		Tanmai P Jain	1BM21EC181				
			ULLALA		Kolavi	1BM21EC203		RTL2GDSII flow of a five stage risc-v		cadence ncverilog,
48	PW-48	Dr. SHACHI P	MATA B N	Dr. JISHA P	Yashodhan Konnur	1BM21EC214	VLSI	processor	software	genus, innovus
					Spoorthi	1BM21EC168				
				Prof. JYOTHI	Smruthi Sathish	1BM21EC163				
		Dr. VEENA M	Dr. H H	RAVIKKUMA	Skandha S	1BM21EC161		RTL2GDSII of All Digital Phase Locked		cadence ncverilog,
49	PW-49	B	SURENDRA	R	Sista Venkata Arvind	1BM21EC160	VLSI	Loop	Software	genus, innovus
					Honnakore	1BM21EC128				
		Prof. K		Prof.	Lepakshi	1BM21EC224		Implementation of CAN-Based		
		POORNIMA	Dr. K P	PRIYADARSH	Matla vignesh reddy	1BM21EC077	Embedded	Communication for		
50	PW-50	KAMATH	LAKSHMI	INI J	Mithun Yadav M	1BM21EC230	System	Automotive Embedded System	Both	STM
					P Likeeth Jain	1BM21EC089				
					Pranav Patla	1BM21EC098				
		Prof. SUPRITH	Prof. R C		Pranav P	1BM21EC099		Implementation of Adaptive Parallel		
51	PW-51	KUMAR K S	RADHA	Dr. JISHA P	Ashif H G	1BM21EC019	VLSI	Prefix Adder		
					Suryasai Vissamsetti	1BM21EC177				
		Dr. BEENA			Suraj Kunte	1BM21EC173				
		ULLALA			Yash Bhushan	1BM21EC213				
52	PW-52	MATA B N	Dr. SHACHI P	Dr. JISHA P	Sangharsh Talmale	1BM21EC142	IOT	Greenhouse monitoring using IOT	Hardware	ESP32
					Chethan B S	1BM21EC029			Raspberry Pi,esp	
				Dr. M	Chavan N	1BM21EC028			cam module	
		Dr.R.KALPAN	Prof. B	ANANTHA	Dhanush D	1BM21EC034			Software :	
53	PW-53	A	HARSHITHA	SUNIL	Gourav S	1BM21EC040	IOT/MicroC	Registration Plate Recognition system	Python,IDE,	python,C
					Nandan P Kashyap	1BM21EC082				
				Dr.	Mantur	1BM21EC096		Advanced Hybrid Beam-forming		
			Dr. FEROZ	SHIVKUMAR	Rudragowda Hosamani	1BM21EC097	Gigahertz	Architecture for Multi-User Next-		
54	PW-54	Dr. SHACHI P	MORAB	M	Rachanna J Hurakadli	1BM21EC120	Communication	Generation Near-Field Wireless Networks	Software	Python,Matlab
					ARUN V	1BM21EC018				
			Dr.	Prof. JYOTHI	B S Shashank	1BM21EC023				
		Dr. H H	RAJANIKANT	RAVIKKUMA	Chandan K	1BM21EC026		Efficient Approximate floating point		
55	PW-55	SURENDRA	H K N	R	K M Prajwal	1BM21EC054	VLSI	multiplier	Software	Vivado
					Shreecharan K K	1BM21EC152				
					Swaraj H V	1BM21EC179				
		Prof. SHRISHA	Prof. ASHWINI	Dr.	Rasheed Nadaf	1BM21EC127				
56	PW-56	M R	V	HEMAVATHI	Sudarshan S R	1BM21EC172	Web application	Mediator app for Artist and customer	Software	Vscode
					Vinayak Mishra	1BM21EC204				
					Virupakshan K	1BM21EC207				
		Prof. R C	Prof. SUPRITH		Vipul	1BM21EC206				
57	PW-57	RADHA	KUMAR K S	Dr. JISHA P	Abhinava D	1BM21EC004	AIML			
					P Pavan Kumar	1BM21EC090				
					P Sai Sanketh Reddy	1BM21EC092				
		Dr.	Prof. ASHWINI	Prof. SHRISHA	Pranav SM	1BM21EC100		5g network slicing resource management		
58	PW-58	HEMAVATHI	V	M R	Pruthviraj BN	1BM21EC116	Networking	and handover	software	vscode,python,
					A M VARSHITHA	1BM21EC001				
					Chandana C	1BM21EC027				
		Prof.		Prof.SOWMYA	Khushi S	1BM21EC060	High Voltage	PULSED ELECTRIC FIELD		

59	**PW-59**	**BHAVANA H T**	**Dr.LALITHA S**	**SUNKARA**			**Application**	**APPLICATION IN AGRICULTURE**	**Hardware**	**-**
60	**PW-60**	**Prof. HARISH V MEKALI**	**Dr. FEROZ MORAB**	**Dr. SHIVKUMAR M**	Abhishek N Hemanth R Madhan Kumar M Roshni Marian M A	1BM22EC400 1BM22EC408 1BM22EC411 1BM22EC416	**Embedded system**	**solar comm: dynamic energy harvesting and charging for electric vehicles**	**hardware**	**aurdino IDE**
61	**PW-61**	**Dr. SUDHINDRA K R**	**Prof. JYOTHI RAVIKKUMAR**	**Dr. JISHA P**	Sagar Shrishail Santi Samuel John Raj.P Vedansh Narayan Sharma Tejas K G	1BM21EC138 1BM21EC141 1BM21EC196 1BM21EC185	**Antenna design**	**Electrically compact two port MIMO antennafor 5gmm Wave Smartwatch applications**	**Software**	**HFSS**