



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering
B.Tech IV-I - MAJOR PROJECT (Sec-A) AY:2022-23

s.no	Roll no	Name	Guide	Project Title	PO Mapping	PSO Mapping	Type (Application/ Product/ Research/ Review etc.)
1	19241A0211	Sai Surya Vidul Chintamaneni	Dr. Phaneendra Babu Bobba	Design of Wireless power transfer system for PMBLDC motor driven Autonomous Vehicle	PO1,2,3,4,5,9,10,11,12	PSO1.2	Application
	19241A0214	Dharmapuri Vedavyas Manjunath	Dr. Phaneendra Babu Bobba	Applications of Woreless power transfer system in agricultural drones	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	19241A0215	Gajula Lakshmi Priya					
	19241A0253	Ruperao Vaishnavi					
2	20245A0201	Adapa Sai Prasad	Dr. J Sridevi	Micro-Grid Relay Coordination Using ETAP	PO1,2,3,4,5,9,10,11,12	PSO2	Review
	20245A0204	Bikkanuri Ashwanth					
	20245A0205	Boda Srikanth					
3	19241A0228	Kolikapogu Ramkumar	Dr. Suresh Kumar Tummala	Multi Level Inverter for Solar PV Applications	PO1,2,3,4,5,9,10,11,12	PSO2	Review
	19241A0229	Kunchala Venkata Sai					
	19241A0232	Meesala Dinesh					
	19241A0259	Vishal.K					
4	19241A0202	Adepu Shiva Kumar	Shri. V Vijaya Rama Raju	Agricultural Rover for Seed sowing	PO1,2,3,4,5,7,9,10,11,12	PSO2	Application
	19241A0207	Boju Ashwin Kumar					
	19241A0225	Kakunuri Venkata Akash Reddy					
	19241A0239	Pakanati Krishnabhaskar					
5	19241A0201	Abhijit Padhy	Shri. P Ravi Kanth	Design and development of SMC based Speed control of PMDC motor drive for EV applications	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0217	Gardas Srinivas					
	19241A0220	Jadhav Dattahari					
	19241A0234	MD Yaseen Malik Qureshi					
6	19241A0204	Aggarapu Siri	Dr. Vinay Kumar Awaar	Characterization of BLDC motor drive controller for Evs	PO1,2,3,4,5,9,10,11,12	PSO1,2	Research
	19241A0206	B.Mounika					
	19241A0221	Jalla Tharuni					
	19241A0251	Simhadri Rajshri					
7	19241A0238	Odiveti Nitish Kumar	Dr. Pakkiraiah B	Grid interfaced Solar powered Electric vehcile battery system with Novel adaptive digital control algorithm	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0241	Pandilla Madhav					
	19241A0246	Rayabarapu Vishnu					
	19241A0237	Nithish Edla					
8	19241A0219	Gunda Arjun	Dr. D S Naga Malleswara Rao	Solar tracking system with automated water pumping controlling	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0233	Mohammad Abdul Sami					
	19241A0249	Sanam Rama Gangadhar					
	19241A0256	Thatipamula Vihal					

9	19241A0218	Gorupati Akhila	Dr. P. Sri Vidya Devi	SRM Sensorless control system for Electric Vehicle	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0226	Kalmi Manasa					
	19241A0247	Revathi.G					
	20245A0202	S Deekshitha					

10	19241A0203	Afsha Sultana	Dr. D Raveendhra	High Performance Single stage Inverter for Solar PV Applications	PO1,2,3,4,5,9,10,11,12	PSO2	Review
	19241A0231	Manupati Harika					
	19241A0260	Boddu Deepika					
	19241A0244	Puli Shireesha					
11	19241A0205	Akkanapally Niranjan	Shri. R. Anil Kumar	Helmetless Rider Detection	PO1,2,3,4,5,6,8,9,10,11,12	PSO1,2	Application
	19241A0208	Budamagunta Sricharan					
	19241A0212	Chinthapanti Manikanta					
	19241A0222	Jangam Sai Deep					
12	19241A0250	Saraswathi Srikari	Smt.Vijaya lakshmi	Source Current Ripple reduction with input Voltage Controlled LED Driver	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0254	Talakayala Lahari					
	19241A0257	Vaishnavi Gorantla					
	19241A0236	Nimmanagoti Sowmya					
13	20245A0203	Banoth Saritha	Smt. M.N. Sandhya Rani	IoT enabled Power Monitoring and Control of Single Phase Induction Motor	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	19241A0210	Chidugu Sindhu					
	19241A0213	D Kavya Kirthi					
	19241A0240	Pallam Sai Keerthana					
	19241A0243	Polisetty Samanvita					
14	19241A0252	Suchismita Das	Smt. M.N. Sandhya Rani	Speed control of induction motor using digital signal processor	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	19241A0235	Naragani Pravardh					
	19241A0255	Talluri Sasidhar					
15	19241A0258	Vakkalanka Satya Shreyas	Smt. M.Rekha	Wind-Solar Hybrid system for Domestic Utility	PO1,2,3,4,5,9,10,11,12	PSO2	Review
	19241A0223	Jula Vamshi Krishna Sagar					
	19241A0227	Katkuri Laxman					
	19241A0230	Mallavarapu Lohith Kumar					
16	19241A0242	Peravally Veda Pranavrai	Smt. V.Usha Rani	Smart zone-based vehicle speed control to avoid accidents with vehicle auto head light intensity control	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0209	Cherukupally Devaraju					
	19241A0216	Ganta Chandra Sekhar					
	18241A0224	K Ravi Abhiram Varma					
	18241A0249	Salman Shaik Hareh					

HOD

Co-ordinator



Gokaraju Rangaraju Institute of Engineering and Technology
Department of Electrical and Electronics Engineering
B.Tech IV-II - MAJOR PROJECT (Sec-B) AY:2022-23

s.no	Roll no	Name	Guide	Project Title	PO Mapping	PSO Mapping	Type (Application/ Product/ Research/ Review etc.)
1	19241A02A1	V Karthik	Dr. B Phaneendra Babu	Design and development of High frequency Inverter for Wireless Power Transmission (WPT) applications	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	20245A0213	MD Musharraf					
2	19241A0270	Chekkirala Rohith	Dr. J Sridevi	Design of IEEE 9 Bus based Micro Grid System	PO1,2,3,4,5,9,10,11,12	PSO2	Review
	19241A0282	Manjula Rambabu					
	19241A0293	Rudroju Sushanth					
	19241A0297	Shaik Babu Saheb					
3	19241A0268	C V S Nikhila Varma	Dr. D G Padhan	Home security system based on facial recognition	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	19241A0269	C Venkateshwari					
	19241A0284	Marakala Divya					
	19241A02A2	Varahabhatla Suguna Manasa					
4	20245A0206	Burra Pravallika	Dr. Suresh Kumar Tummala	Graphene Based Solar Cells	PO1,2,3,4,5,9,10,11,12	PSO2	Research
	20245A0212	Masku Mamatha					
	20245A0218	P Harshitha					
	20245A0220	S Alekya					
5	19241A0264	Asam Srinidhi	Shri. V Vijaya Rama Raju	Power Quality enhancement of the Distribution Network by Multilevel STATCOM	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0274	Doddi Bhavya					
	19241A0276	Gone Naga Jyothi					
	19241A0278	Jonnalagadda Jhansi					
6	20245A0211	Goddati Venkatesh	Shri. P Ravi Kanth	Design and application of Single-stage Flyback PFC AC-DC converters for power LED lighting application	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	20245A0214	N J Pranay Jonathan					
	20245A0216	N Sathish					
	20245A0223	D Sathvik Yadav					
7	19241A0287	Nagilla Anjali	Dr. Vinay Kumar Awaar	Sensorless Field Oriented Control of 3-Phase Permanent Magnet Synchronous Motor	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	19241A0298	Sravani Bannuru					
	19241A02A5	Veeramaneni Suchitha					
	19241A02A6	Veerla Prasanthi					
8	19241A0261	Ailaboina Prathyusha	Dr. D S Naga Malleswara Rao	IoT Based Smart Energy Meter	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	19241A0272	Ch Venkata Lakshmi					
	19241A0283	Manupuri Mrudhula					
9	19241A0271	Chella Sai Krishna	Dr. P. Sri Vidya Devi	Computing and monitoring of various Biopotential signals	PO1,2,3,4,5,9,10,11,12	PSO1,2	Review
	19241A0279	Karri Sushith					
	19241A0291	Potnuru Sai Srinivas					
	19241A0296	Shaik Ashraf					

10	19241A0262	Allem Ramakrishna Reddy	Dr. D Raveendhra	Wide band gap semiconductor device characterization	PO1,2,3,4,5,9,10,11,12	PSO2	Review
	19241A0286	Burra Harshavarunana					
	19241A0277	Gujjula Prathap					
11	19241A0288	Nagnreddy Sriva Smaran	Shri. P Praveen Kumar	GPS and GSM based vehicle tracking System	PO1,2,3,4,5,9,10,11,12	PSO1,2	Application
	19241A0290	Pendur Sai Teja					
	19241A0292	Pratheek V					
12	19241A0267	Bonala Anusha	Shri. R Anil Kumar	Zeta Converter Based Electric Vehicle Battery Charger	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0285	Megavath Uma					
	20245A0215	N Sree Saimanvitha					
	20245A0219	R Shruthi					
13	19241A0265	B Umesh	Shri. D Karuna Kumar	Smart Wheelchair with advance assistance governing system for disabled	PO1,2,3,4,5,7,9,10,11,12	PSO1,2	Application
	19241A0266	Bhuma Mahesh					
	19241A0280	Kothakota Rohanth Reddy					
	19241A0281	M Shashank					
14	19241A0275	Gonae Harsha Vardhan	Shri. P Prashanth	BLDC Motor speed control by using DSPIC controller	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0294	T Sridhar Yadav					
	19241A0299	Sumit Kumar Nishad					
	19241A02A3	Varala Sai Ganesh					
15	19241A0273	Choul Lavith	Smt. G Sandhya Rani	Feasibility analysis & fault diagnosis of super conducting material based electrical machines	PO1,2,3,4,5,9,10,11,12	PSO2	Research
	20245A0207	Burra Sujan Goud					
	20245A0208	Chandragiri Ravikanth					
	20245A0222	S Vijay Kumar					
16	19241A0263	Angadala Roshan Yadav	Smt. V.Usha Rani	Performance improvement of sliding mode controller for three-phase BLDC drive for EV appliactions	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	19241A0289	Padhiyar Sarthak Yogesh					
	19241A0295	Saranga Prem Sai					
	19241A02A4	Vattem Rohith Shekar					
17	20245A0209	CH Mahindra	Shri. M Prashanth	DC-Link Current Ripple reduction in Fault-Tolerant Power Converter for a Swiched reluctance machine drive	PO1,2,3,4,5,9,10,11,12	PSO2	Review
	20245A0217	Nutan Kumar D					
	20245A0224	G Anurag					
18	19241A02A7	Velpula Sai	Smt. K Sudha	Design, development and analysis of Current-Source single-phase Photovoltaic inverter	PO1,2,3,4,5,9,10,11,12	PSO2	Application
	20245A0210	G Navinash					
	20245A0221	T Santosh Goud					
	20245A0225	K Tarun					

HOD

Co-ordinator