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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IV B.Tech II-sem (R16) Project External Viva voce (2018 Batch)

Date: 20-06-2022

Class	IV B.Tech II-sem
Branch and Regulation	EEE-A and R16
Subject & Code	Project & R1642026
Academic Year	2021-22

S.No.	Project Title & Guide Name	Batch Code	Regd. Number	Name of student
1	Power System fault analysis using Machine learning **(Dr.A.V.Naresh Babu)**	A1	18BQ1A0206	A.Sreya Reddy
			18BQ1A0249	G.Triveni
			18BQ1A0228	D.Gopi Satya Venkat
			18BQ1A0229	D.Evan Madhukar
2	An efficient spam detection technique for IoT devices using machine learning **(Dr.S.Ravindra)**	A2	18BQ1A0213	A.Sri Keerthi
			18BQ1A0247	G.Siva Rakesh
			18BQ1A0236	G.Aravind
			18BQ1A0240	G.Ravi Teja
3	Enhancing Transmission system performance through FACTS devices **(Dr.Ch.V.Suresh)**	A3	18BQ1A0219	B.Navya Sri
			18BQ1A0242	G.Bhargav
			18BQ1A0238	G.Vamsi
			18BQ1A0226	D.Anvesh
4	Intelligent collision avoidance system for railways using RF?ID and GSM **(Dr.D.Srilatha)**	A4	18BQ1A0207	A.Meghamala
			18BQ1A0252	I.Harshini
			18BQ1A0253	J.Sravani
			18BQ1A0254	J.John Reddy
5	AI based image processing for Covid-19 detection in chest CT scan image (**Sk.Rasululla)**	A5	18BQ1A0223	Ch.Madhumitha
			19BQ5A0210	K.Rahul
			18BQ1A0203	A.Udaya sri
			18BQ1A0224	Ch.Trinadh
6	Fast commutation error compensation for BLDC motors based on virtual neutral voltage	A6	18BQ1A0218	B.Jayalakshmi
			18BQ1A0214	A.Sudhakar
			18BQ1A0251	G.Ashok

	(Dr.Ch.Rambabu)		18BQ1A0212	A.Siri Chandana Raman
7	A hybrid cascaded multilevel converter for battery energy management in electric vehicles **(Dr.P.Lakshman Naik)**	A7	18BQ1A0222	Ch.Sri Chandana
			18BQ1A0210	A.Sravani
			18BQ1A0209	A.Rakesh
			18BQ1A0204	A.Tony Priya Durga
8	Multi machine power system stability enhancement based on amended GWO approach **(Dr.ILJ Baktha Singh)**	A8	18BQ1A0235	E.Harshitha
			18BQ1A0211	A.Daiana Angel
			18BQ1A0241	G.Hemanth
			18BQ1A0221	B.Chandana Preethi
9	Analysing the effect of communication time delays on the performance of LFC in multi area power system **(Dr.Ch.Naga Sai Kalyan)**	A9	19BQ5A0209	J.Keerthi
			18BQ1A0243	G.Sirisha
			18BQ1A0246	G.Naga Sai
			18BQ1A0208	A.Chemanth Abhinay
10	A novel single stage single phase reconfigurable inverter topology for a solar power hybrid AC/DC home using Matlab Simulink **(Mr.P.Mahamood Khan)**	A10	18BQ1A0215	BKLK Priya
			18BQ1A0248	G.Sneha
			18BQ1A0233	D.Malakonda Rayudu
			18BQ1A0220	B.Chandu
11	A cascaded generalized integral control for multi-objective grid connected solar energy transfer system using Matlab Simulink **(Mr.B.Srinivasa Raju)**	A11	18BQ1A0250	G.Sai Pavan Tej
			19BQ5A0202	B.Venkata Sai Reddy
			18BQ1A0201	A.Vaatsav
			18BQ1A0244	G.Suma
12	MEMS based hand gesture robo control **(Mr.A.Naveen Reddy)**	A12	18BQ1A0216	B.Lakshmi Tulasi
			18BQ1A0237	G.Srilatha
			18BQ1A0205	A SNVP Kumar
			18BQ1A0217	B.Sai Kumar
13	IoT based substation monitoring and controlling **(Mr.A.Rahiman)**	A13	19BQ5A0205	Ch.Anil Kumar
			18BQ1A0227	D.Ganesh
			19BQ5A0211	K.Ravi Teja
			18BQ1A0230	D.Anna Purna
14	Simulation of wireless power transfer for electric vehicle applications using Matlab **(Mr.P.Nagarjuna)**	A14	18BQ1A0202	A.Prasant Kumar
			19BQ5A0207	Ch.Suresh Kumar
			19BQ5A0204	B.Madhava Kumar
15	IoT based home automation over the cloud **(Ms.A.Sai Anusha)**	A15	18BQ1A0231	D.Keerthi
			19BQ5A0208	D.Chaitanya
			18BQ1A0225	Ch.Vara Lakshmi
16	Grid or Load connected solar	A16	18BQ1A0234	E.Venkata Sai Pavan kumar

	photovoltaic system using battery storage **(Mrs.ILB Sowjanya)**		19BQ5A0206	Ch.Ravi
			18BQ1A0232	D.Bharath Srinivas
17	Arduino based alcohol engine sense lock and accident rescue system using GSM and GPS **(Mrs.I.Revathi)**	A17	18BQ1A0239	G.Harish
			19BQ5A0201	A.Naresh
			19BQ5A0203	B.Meghana

B Section

S.No.	Project Title & Guide Name	Batch Code	Regd. Number	Name of student
1	Cyber Security for transmission line overflow analysis in power system **(Dr.A.V.Naresh Babu)**	B1	19BQ5Q0214	K.Likhitha
			18BQ1A0269	K.Dasaradha Rami Reddy
			19BQ5A0216	K.Bhavana
			18BQ1A0298	M.Vyshnavi
2	Multilanguage Voice control home automation using Arduino **(Dr.S.Ravindra)**	B2	18BQ1A0280	K.Gayathri
			18BQ1A0290	M.Sai Lavanya
			19BQ5A0212	K.Hari Naik
			18BQ1A0289	M.Benoni Kumar
3	Analysis of micro grid operation using renewable energy sources **(Dr.Ch.V.Suresh)**	B3	18BQ1A0281	K.Abinaye
			19BQ5A0220	M.Sateesh Kumar
			18BQ1A0294	Md.Afroz Jani Basha
			19BQ5A0222	N.Deepika
4	Simulation and performance analysis of electric two wheeler **(Dr.D.Srilatha)**	B4	18BQ1A0295	M.Pravallika
			19BQ5A0221	N.Vaishnav Kumar
			18BQ1A0277	K.Avinash
			18BQ1A02A1	N.Sathish
5	Low frequency under water wireless power transfer: Maximum efficiency tracking strategy **(Mr.Sk.Rasululla)**	B5	18BQ1A0285	K.Sai chandana
			18BQ1A0283	K.Daisy Vincelet
			18BQ1A0284	K.Meghana
			18BQ1A0257	K.Kamal Teja
6	RFID and Finger print based electronic voting system **(Dr.Ch.Rambabu)**	B6	18BQ1A0276	K.Suvarna
			18BQ1A02A4	N.Mounika
			19BQ5A0213	K.Venkateswarlu
			18BQ1A0288	L.Manikanta
7	Switching bi-directional buck boost	B7	18BQ1A0296	M.Sravanthi

	converter based on electric vehicle hybrid energy storage for V2G system **(Dr.P.Lakshman Naik)**		18BQ1A0291	M.Sai siva reddy
			18BQ1A0260	K.Prathyusha
			18BQ1A0263	K.Lavanya
8	A five phase two machine vector controlled induction motor drive supplied from a single inverter **(Dr.ILJ Baktha Singh)**	B8	18BQ1A0292	M.Durga Sambhavi
			18BQ1A02A7	O.Bhanu Prakash
			18BQ1A0262	K.Leela Venkatasai
			18BQ1A0297	M.Madhu Prasanthi
9	Ascertainment of appropriate GRC structure for two area thermal system under seagull optimization based 2DOF-PID controller **(Dr.Ch.N.Sai Kalyan)**	B9	18BQ1A0271	K.Mahesh Babu
			18BQ1A0266	K.Siddardha
			18BQ1A0268	P.Keerthi Chowdary
			18BQ1A02A2	N.Yamini
10	Fuzzy control of doubly fed induction generator based wind power system **(P.Mahamood Khan)**	B10	18BQ1A0275	K.Naga Purna
			18BQ1A0259	K.Kavya
			18BQ1A0299	M.Divya Sri
			18BQ1A0274	K.Sri Kavya
11	Enhancement in AGC performance of multi area interconnected power system with practical constraints using WCA based PIDD controller **(Mr.B.Srinivasa Raju)**	B11	18BQ1A0282	K.Narendra Kumar
			18BQ1A0279	K.Gopi Satya Siva Kumar
			19BQ5A0215	K.Alekhya
			18BQ1A02A0	J.Naga mohana kruthi
12	Missile detection by Ultrasonic and Auto destroy System IoT **(Mr.A.Naveeen Reddy)**	B12	18BQ1A02A5	M.Nithya
			18BQ1A0267	K.Akhila
			18BQ1A0273	K.Keerthi Priya
			18BQ1A02A8	P.Pradeepthi
13	Implementation of speed violation detection system using IoT **(Mr.A.Rahiman)**	B13	18BQ1A0278	K.Venkata Sri Lekha
			18BQ1A0272	K.Vinuthna Chowdary
			18BQ1A0255	K.Sangeetha
			18BQ1A0258	K.Meghana
14	Intelligent traffic control systems **(Mr.P.Nagarjuna)**	B14	18BQ1A0270	K.Sai Adithi
			18BQ1A0293	M.Rupak Sai
			18BQ1A0287	L.Koti Siva Naga Praveen
15	Advanced walking stick **(MrsA.Sai Anusha)**	B15	18BQ1A0264	K.Aiswarya Reddy
			18BQ1A0265	K.Lakshmi Prasanna
			19BQ5A0218	M.Naveen
16	Power load balancing using Fuzzy logic **(Mrs.I.Revathi)**	B16	18BQ1A0261	K.Murali Reddy
			18BQ1A0286	K.Vijay Sagar

			19BQ5A0219	M.Mahesh Naik
17	Design of expert system for electric vehicle using AI (PROLOG) **(Mrs.ILB Sowjanya)**	B17	18BQ1A0256	K.Mallikarjuna
			18BQ1A02A3	N.Manikanta
			19BQ5A0217	M.Rajkumar

C Section

S.No.	Project Title & Guide Name	Batch Code	Regd. Number	Name of student
1	Power System load forecasting using Big Data Analysis **(Dr.A.V.Naresh Babu)**	C1	18BQ1A02C0	PVS Gowtham
			18BQ1A02F0	ULV Siva Sai
			18BQ1A02D4	Sk.Sabunbi
			18BQ1A02G0	V.Pavan Sai Reddy
2	Fault detection of transmission line using Arduino **(Dr.S.Ravidra)**	C2	18BQ1A02B2	P.Ravi Teja
			18BQ1A02B1	P.Mahesh Babu
			19BQ5A0230	M.Tony Blaier
			18BQ1A02B9	P.Hemanth Kumar
3	Analysing the economic load dispatch with multi fuel options using matlab **(Dr.Ch.V.Suresh)**	C3	18BQ1A02C9	Sk.Abdul Khadeer
			19BQ5A0226	B.Sai Bhavani
			19BQ5A0223	P.Yesu Babu
			19BQ5A0225	R.Sree Rama Chandra
4	Simulation and Analysis of grid integrated renewable energy based hybrid power plant **(Dr.D.Srilatha)**	C4	18BQ1A02F8	V.Sai Swarupa
			18BQ1A02F2	V.Siva Rama Krishna
			18BQ1A02E0	T.Jeevan
			19BQ5A0234	Y.Mahesh
5	Hybrid Wind/PV/Battery energy management based intelligent non-integer control for smart DC micro grid of smart university **(Sk.Rasululla)**	C5	18BQ1A02B7	P.Sri Harsha
			18BQ1A02C7	S.Bhulakshmi
			19BQ5A0224	P.Nagaraju
			18BQ1A02D9	S.Lakshmi Venkata Sai
6	Implementation of solar PV battery and diesel generator based electrical vehicle charging station **(Dr.Ch.Rambabu)**	C6	18BQ1A02D5	Sk.Sadiya Begum
			18BQ1A02F5	V.Harshitha
			18BQ1A02G2	Y.Namratha Sai
			18BQ1A02F6	V.Mohana Sai Sree
7	Analysis of IoT based switching operations on electrical distribution systems **(Dr.P.Lakshman Naik)**	C7	18BQ1A02D0	Sk.Asma
			19BQ5A0233	V.Sai Kiran
			18BQ1A02F1	U.Gowri
			18BQ1A02G4	G.Ganesh
8	Multifunctional non-isolated dual input and dual output converter for electric vehicle applications	C8	18BQ1A02C4	Rayapudi Hemana
			18BQ1A02E2	Tarun K
			18BQ1A02F4	V.S.V. Naga Prasad

	(Dr.ILJ Baktha Singh)		18BQ1A02B8	P.V.N.Sai Harideep
9	Exhibiting the effect of AVR coupling on the performance of LFC in multi area hybrid power system **(Dr.Ch.N.Sai Kalyan)**	C9	18BQ1A02C2	Ramya K
			19BQ5A0231	U.Dhana Raj
			18BQ1A02C6	S.Rajesh
			18BQ1A02B4	P.Bharath
10	Wireless wheel chair control with hand gesture recognition using MEMS technology **(Mr.P.Mahamood Khan)**	C10	18BQ1A02E5	T.Pavan Chandra Sai Ganesh
			18BQ1A02E3	T.Sindhuja
			18BQ1A02D6	Sk.Sajid
			19BQ5A0227	S.Mounika
11	Position sensor less synchronous reluctance generator based grid tied wind energy conversion system with the adaptive observer control **(Mr.B.Srinivasa Raju)**	C11	18BQ1A02B3	P.Lakshmi Sai Tulasi
			18BQ1A02B0	P.Manisha
			18BQ1A02F3	Vasuprada R.
			18BQ1A02F9	V.Sai Krishna
12	Operation of Quasi Z-source inverter using solar energy **(Mr.A.Naveen Reddy)**	C12	18BQ1A02C8	S.Deepika Rani
			18BQ1A02D8	Sk.Sumaya
			18BQ1A02E1	T.Manasa
			18BQ1A02E4	T.Gopi Krishna
13	Designing and fault detection in short transmission lines using wavelet transform in Matlab-Simulink **(Mr.A.Rahiman)**	C13	18BQ1A02F7	V.Lakshmi Bhavana
			18BQ1A02B5	P.Yugandhar
			18BQ1A02D7	Sk.Suhana Begum
			18BQ1A02G3	R.Yaswin Kumar
14	Automatic Power Factor correction: Low cost Solution using Arduino **(Mr.P.Nagarjuna)**	C14	18BQ1A02A9	P.Alekhya
			19BQ5A0229	S.Venkata Trinath
			18BQ1A02C3	R.Prathyusha
			18BQ1A02E6	T.Naga Manoj
15	Analysis of effect of solar module parameters on solar plant using Matlab-Simulink **(Mrs.ILB Sowjanya)**	C15	18BQ1A02E7	T.Pallavi
			18BQ1A02E9	U.Raja Naga Manikanta
			18BQ1A02D1	Sk.Ejaz Ahamed
16	Automatic Voltage regulation using global optimization algorithms based traditional controller **(Ms.A.Sai Anusha)**	C16	18BQ1A02C5	R.Ratna Harshini
			18BQ1A02B6	P.Kiran
			18BQ1A02E8	T.Tharun Kumar
17	Stability analysis of conventional hydro-thermal power system using classical controllers **(Mrs.I.Revathi)**	C17	18BQ1A02G1	Y.Jahnavi
			19BQ5A0228	Sk.Baji Moien
			19BQ5A0232	V.Uma Mahesh