



VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY
(Autonomous)

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

IV B.Tech II-sem (R19) Project Stage-I & II Title guide allotment (2019 Batch)

Date: 01-11-2022

Section A

S.No.	Project Title & guide name	Batch Code	Regd. Number	Name
1	False data injection attacks on optimal power flow in power systems (Dr.A.V.Naresh Babu)	A1	20BQ5A0201	A.Vamsi Krishna
			19BQ1A0238	D.Divya
			19BQ1A0248	G.Bhargavi
			19BQ1A0210	A.Venkatesh
			19BQ1A0242	D.Rakesh Babu
2	Train accidents prevention techniques (Dr.S.Ravindra)	A2	19BQ1A0240	D.Venkata Sai Reddy
			19BQ1A0213	B.Sai Ganesh
			19BQ1A0224	B.Bobby Sundar
			19BQ1A0250	G.Vamsi Krishna
			19BQ1A0221	B.Anirudh Madhur
3	Simulation and analysis of fault current limiters (Dr.D.Srilatha)	A3	19BQ1A0230	Ch.Harsha Vardhan
			19BQ1A0209	A.Nayomi Princess
			19BQ1A0256	G.Rohitha
			19BQ1A0218	B.Rahul Adithya
4	Particle swarm optimization based automatic generation control of two area interconnected system (Mr.Sk.Rasululla)	A4	19BQ1A0231	P.Paul Noble
			19BQ1A0253	G.Manjusha
			19BQ1A0237	D.Mahidhar
			19BQ1A0204	Akash Patro
5	Multilevel inverter with lower switch count (Dr.Ch.Rambabu)	A5	19BQ1A0243	E.Sruthi
			19BQ1A0220	B.Geethanjali
			19BQ1A0202	A.Srikanth
			19BQ1A0222	B.Madhu Harika
6	A voltage support control strategy for grid integrated solar PV system during abnormal	A6	19BQ1A0232	D.Pragathi
			19BQ1A0233	D.Mahesh

	grid conditions utilizing IGI (Dr.P.Lakshman Naik)		19BQ1A0225	Ch.S.Prakash Reddy
			19BQ1A0208	A.Deepak
7	Optimal power distribution allocation in restructured power system (Dr.ILJ Baktha Singh)	A7	19BQ1A0214	B.Sujitha
			19BQ1A0249	G.Anvitha
			19BQ1A0223	B.Veronica
			19BQ1A0254	G.Tridnadh
8	Combined speed and current terminal sliding mode control with nonlinear disturbance observer for PMSM drive (Dr.Ch.N.Sai Kalyan)	A8	19BQ1A0235	D.Vasu Ankineedu
			20BQ5A0204	Ch.Vaishnavi
			19BQ1A0234	D.G.Kali Prasad
			19BQ1A0255	G.Karthik
9	An interleaved flyback topology based three phase unity power factor single stage AC-DC converter (Mr.P.Mahamood Khan)	A9	19BQ1A0246	G.Vani Padma Priya
			19BQ1A0239	D.Kavya
			19BQ1A0211	Ch.Ravikumar
			19BQ1A0227	A.Karthik
10	Simulation of Incremental conductance for maximum power point tracking of photovoltaic system (Dr.B.Sreenivasa Raju)	A10	19BQ1A0251	G.Manasa
			19BQ1A0260	K.Rakesh Reddy
			19BQ1A0241	D.Sahithya
			19BQ1A0257	T.D.Sai Sreenivas
11	Hybrid LCC/VSC HVDC transmission grids with a modified dual active bridge DC-DC converter with increased efficiency using MATLAB-SIMULINK (A.Naveen Reddy)	A11	19BQ1A0215	B.Lalasa
			20BQ5A0206	G.Praveen
			19BQ1A0229	Ch.Rahul
			19BQ1A0217	B.Dikshit kumar
12	Simulation of Digital differential relay for transformer protection using Matlab-Simulink (Mr.A.Rahiman)	A12	20BQ5A0207	G.Pavan Kalyan
			20BQ5A0202	B.Ganesh
			19BQ1A0201	Danish Nazir
			19BQ1A0259	K.V.Durga Akhil
13	E-bike dynamics using regenerative braking in Matlab-simulink (Mr.P.Nagarjuna)	A13	20BQ5A0203	Ch.Komali
			19BQ1A0207	A.Lakshmi Anvitha
			19BQ1A0228	Ch.Mukesh
			19BQ1A0216	B.D.V.Prasada Raju
14	Grid connected PV system with a modified neural network control (Mr.B.Sekhar)	A14	20BQ5A0205	G. Abraham
			19BQ1A0205	U.Akhila
			19BQ1A0236	D.Praveen
			19BQ1A0203	A.Ashfaq
15	Modelling of an intelligent battery controller for standalone solar wind hybrid distributed generation system MATLAB-SIMULINK	A15	19BQ1A0244	E.Venkata Lakshmi
			19BQ1A0206	A.Ram Phani Sai
			19BQ1A0212	A.Ramya
			19BQ1A0247	G.Sruthi

	(A.Sai Anusha)			
16	Improvement of dynamic stability using ANN based power system stabilizer (Mrs.I.Revathi)	A16	19BQ1A0252	G.Aravind Reddy
			19BQ1A0219	B.Mohan Kumar
			19BQ1A0258	I.Ganesh
			19BQ1A0245	K.Rahul

Section-B

S.No.	Project Title & Guide Name	Batch Code	Regd. Number	Name of student
1	Analysis of household power consumption using LSTM technique in machine learning (Dr.A.V.Naresh Babu)	B1	19BQ1A0292	M.V.Vasanth Kumar
			19BQ1A0274	K.Sireesha
			20BQ5A0211	M.Ramya
			19BQ1A0277	K.Spoorthi
2	Improving Power quality in PV grid system using Matlab Simulink (Dr.S.Ravindra)	B2	19BQ1A02A0	N.Nagalakshmi
			19BQ1A0279	L.Devanand
			19BQ1A0280	K.Lakshyanjani
			19BQ1A02B7	P.Victor Abraham Lincoln
3	Solar PV array based induction motor speed control for water pumping applications (Dr.D.Srilatha)	B3	19BQ1A0299	M.Venkata Prasad
			19BQ1A0282	M.Keerthi Mounika
			19BQ1A0287	M.Sagar
			19BQ1A02B0	P.Mahanth
4	A high performance micro grid with a mechanical sensor less SYNRG operated wind energy generation system (Sk.Rasululla)	B4	20BQ5A0213	M.Meghana
			19BQ1A0284	M.Pavan Kumar
			19BQ1A0261	K.Lakshmi
			19BQ1A0273	K.Rasagna
5	Power quality improvements in a zeta converter for brushless DC motor drives (Dr.Ch.Rambabu)	B5	19BQ1A0291	M.Harshita
			19BQ1A0263	K.Mohana Venkata Sai
			19BQ1A02A2	N.Deena Jessie
			19BQ1A0276	K.Kirity
6	Photovoltaic, wind and hybrid energy storage integrated multi source converter configuration for DC micro grid (Dr.P.Lakshman Naik)	B6	19BQ1A0270	K.Varshini
			19BQ1A0283	M.Sri Chatanya
			19BQ1A0286	N.Manasa Varma
			19BQ1A0262	K.Amulya
7	Handling the uncertainties in hybrid electric power system (Dr.ILJ Baktha Singh)	B7	19BQ1A0285	M.Navya
			19BQ1A02B5	P.Jithendra Prasad
			19BQ1A0266	K.Kumar Naik
			19BQ1A0298	M.V.Vasundhara
8	Fruit fly optimization algorithm based TIDF controller for LFC of traditional hydrothermal	B8	20BQ5A0210	M.Jalendra
			19BQ1A0264	K.Siva Gopi Reddy

	system with SSSC and UCs (Dr.Ch.N.Sai Kalyan)		20BQ5A0212	M.Lavanya
			19BQ1A02A1	N.Venkata Jaideep
9	Optimal location and sizing of distributed generation units in distribution system (Mr.Mahamood Khan)	B9	19BQ1A0297	M.Prathyusha
			19BQ1A0281	M.Sneha Durga
			19BQ1A02B6	P.Durga Praveen
			19BQ1A02A5	N.Samson Raj
10	PV based shunt active harmonic filter for elimination of harmonics (Dr.B.Sreenivasa Raju)	B10	19BQ1A0278	LVNS Charan A
			19BQ1A0295	Md.Munzeera
			20BQ5A0209	K.Revanth
			19BQ1A02B8	P.Yuva Kishore
11	BLDC motor drive based bridgeless landsman PFC converter with single sensor and reduced stress on power devices (Mr.A.Naveen Reddy)	B11	19BQ1A02C0	P.Durga Mallikarjun
			19BQ1A0268	K.Manasa Priya
			19BQ1A02B4	P.Sravya
			19BQ1A02A8	N.Kuladeepak Naik
12	Simulation of digital distance relay for long transmission line in MATLAB SIMULINK (Mr.A.Rahiman)	B12	19BQ1A02A9	N.Nandini
			19BQ1A0289	M.Monika
			19BQ1A0269	K.Lohith
			19BQ1A0290	M.Venkata Krishna
13	MPPT with PMSG based wind energy conversion system (P.Nagarjuna)	B13	20BQ5A0214	M.Hemachand
			19BQ1A02B1	P.Srinivas
			19BQ1A0267	K.Taj Kumari
			19BQ1A0272	K.Venkatesh
14	Modelling and analysis of hybrid PV-wind micro grid using quasi Z-source inverter in MATLAB-SIMULINK (B.Sekhar)	B14	19BQ1A02B3	P.Lakshmi Manasa
			19BQ1A0293	M.Uma Koteswara Rao
			19BQ1A0271	K.Navya
			19BQ1A02B2	P.Sandeep
15	Reactive power compensation using vehicle to grid enabled bidirectional off-board EV battery charger (A.Sai Anusha)	B15	19BQ1A0296	Mohana Ramya K.
			20BQ5A0208	Harish Babu T.
			19BQ1A0265	Revathi Rama K.
			19BQ1A02A6	Ashok Naidu N.
16	Modelling and simulation of grid connected hybrid power system integrated with solar PV/Wind and controlled by voltage regulator (Mrs.I.Revathi)	B16	19BQ1A02A3	N.V.D.S.Abhinav
			19BQ1A02A7	N.Sai Koushik
			19BQ1A02B9	P.Aiswarya

Section-C

S.No.	Project Title & Guide Name	Batch Code	Regd. Number	Name of student
1	Big data analytics and visualization of electrical energy tariff for different units (Dr.A.V.Naresh Babu)	C1	19BQ1A02G5	T.Hari Priya
			19BQ1A02C3	P.Maha Lakshmi
			19BQ1A02E6	Sk.Gouse Ahmad
			19BQ1A02D8	S.Mahesh
			19BQ1A02D2	P.Vamsi
2	Fuzzy logic control for solar PV fed modular multilevel inverter towards marine water pumping applications (Dr.S.Ravindra)	C2	19BQ1A02F9	Sheik Yusuf
			19BQ1A02F1	Sk.Mohammad Sohail
			19BQ1A02G7	T. Sujatha
			19BQ1A02C8	P.Suvarna
			19BQ1A02D3	R.Mukesh
3	ANN based speed control of 3-ph induction motor drive (Dr.D.Srilatha)	C3	19BQ1A02E4	Sk.Aasma Thabassum
			19BQ1A02D1	P.Megha aswitha
			19BQ1A02F7	Sk.Sheema
			19BQ1A02E1	Sk.Abdullah
4	Encryption and decryption of images through artificial neural networks using MATLAB (Sk.Rasululla)	C4	19BQ1A02C7	P.Susmitha
			19BQ1A02D7	K.Sai Javali
			19BQ1A02C1	P.N.M.Kathyani
			19BQ1A02H4	V.Vinay Kumar
5	Dynamic voltage restorer based on a staggered inverter (Dr.Ch.Rambabu)	C5	20BQ5A0216	P.Ravindra
			19BQ1A02H8	V.Ravi Teja
			19BQ1A02E9	Sk.Khaja Vali
			19BQ1A02E0	Sk.Abbas Hussain
6	An integrated converter for Electric vehicles utilizing solar and grid power sources (Dr.P.Lakshman naik)	C6	19BQ1A02E5	Shaik Chandini
			19BQ1A02F5	Shaik Sameena
			20BQ5A0220	S Lakshmi sowjanya
			19BQ1A02H2	V Pavani
7	Optimization methods of MPPT parameters for PV systems (Dr.ILJ Baktha singh)	C7	20BQ5A0218	R.Praveen kumar
			19BQ1A02D6	R.Gautm kumar
			19BQ1A02F2	Sk.Moin Basha
			19BQ1A02G0	S.Suneela
8	Fruit fly optimization algorithm based regulator for LFC of conventional power system with the integration of Plug in electric vehicles (Dr.Ch.N.Sai Kalyan)	C8	19BQ1A02I0	Y.Naga Lahari
			19BQ1A02F6	Sk.Sameer
			19BQ1A02H7	V.Chetan
			19BQ1A02E2	Sk.Althaf
9	Modelling and simulation of a novel solar	C9	19BQ1A02G6	T.Rama Chaitnya

	PV/battery ybrid energy system with a single phase five level inverter (P.Mahamood Khan)		20BQ5A0221	T.Akhil Babu
			19BQ1A02E3	Shaik Asha
			19BQ1A02G4	S.Lakshmi Sowjanya
10	Speed control of BLDC motor using fuzzy logic controller (Dr.B.Sreenivasa Raju)	C10	19BQ1A02G3	S.Samyuktha
			20BQ5A0217	P.Lakshmi
			19BQ1A02D9	Sk.Abeed
			19BQ1A02F4	Sk.Salman
11	New breed of network fault tolerant voltage source converter HVDC transmission system using MATLAB Simulink (Mr.A.Naveen Reddy)	C11	19BQ1A02G2	S.Rehan Prakash
			20BQ5A0219	S.Satyanadh
			19BQ1A02C4	P.Jahnavi
			19BQ1A02E7	Sk.Husna
12	Simulation of Digital over current relay using Matlab Simulink (Mr.A.Rahiman)	C12	19BQ1A02D5	R.Pavan Kumar
			19BQ1A02H3	V.PVV Rahul
			19BQ1A02H6	Ch.Vanya Clement
			19BQ1A02G8	T.Joshna
13	Multilevel inverter based on CCM Boost converter (Mr.P.Nagarjuna)	C13	19BQ1A02C5	P.Avanthi
			19BQ1A02C9	P.Ramya sreya
			19BQ1A02G1	S.Sravani
			19BQ1A02H1	T.Sai Jaideep
14	MAF shunt active filter using MATLAB-simulink (Mr.B.Sekhar)	C14	19BQ1A02H5	V.Sravani
			19BQ1A02D0	P.Naga Sindhu
			19BQ1A02F8	Sk.Siraz
			19BQ1A02D4	R.Tulasi Durga
15	Statcom based on PI controller and PLL using Matlab Simulink (Ms.Sai Anusha)	C15	20BQ5A0215	M.Venkata Nithin
			19BQ1A02C2	P.Harika Chowdary
			19BQ1A02E8	Sk.Jasmine
			19BQ1A02H9	V.Harshini
16	Modulation and control of transformer less UPFC (Mrs.I.Revathi)	C16	19BQ1A02F0	Sk.Mahammad Anif
			19BQ1A02G9	T.Tejaswi
			19BQ1A02C6	P.Anupriya
			19BQ1A02F3	Sk.Salma Sultana