



KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES

VINJANAMPADU-GUNTUR

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

IV B.TECH- PROJECT BATCHES(2012-2016)

S No	ROLL NO	PROJECT BATCH	GUIDE	TITLE	RELEVANCE
1	12JR1A0213	SOMPALLI APARNA	Mr.K.Sarath bhushan	MODELING AND SIMULATION OF SINGLE -PHASE FIVE LEVEL INVERTER FED FROM RENEWABLE ENERGY SOURCES	able to model 1- ϕ 5-level inverter and renewable energy sources
	12JR1A0214	VEMURI DIVYA			
	12JR1A0220	BUDDA NAVEEN PREM KUMAR			
	12JR1A0239	MALLIKARJUNAREDDY G			
2	12JR1A0216	YERRA LAKSHMI DIVYA	Mr.Y.Rajesh babu	HYSTERISIS BAND CURRENT AND FUZZY LOGIC CONTROL FOR ACTIVE POWER FILTER	student able to reduce THD by applying active power filter
	12JR1A0205	KAVATI NALINI PRABHAVATHI			
	13JR5A0202	VANKAMALLA KRISHNAVENI			
	13JR5A0204	D. VIJAYA SAI KRISHNA			
	11JR1A0226	B.ASHOK KUMAR			
3	12JR1A0219	BONABOINA ANIL KUMAR	Mr.K.Ravi kumar	DESIGN AND SIMULATION OF SPEED CONTROLLER USING AC DC BUCK - BOOST CONVERTER FOR DC MOTOR DRIVE WITH SOFT STARTER	student able to design speed controller for dc motor with soft starter
	12JR1A0221	CHEEKATLA SATYA PRAKASH			
	12JR1A0222	DASARI NAGADURGA SAIKIRAN			
	12JR1A0249	SHAIK NADIM KHAN			
	12JR1A0237	LAVETI VIJAY KRISHNA			
4	12JR1A0206	KOLLI PRATHYUSHA	Mr.K.Gopi teja	A NEW MULTI LEVEL INVERTER WITH FACTS CAPABILITIES FOR WIND APPLICATIONS	able to design multi level inverter wind applications
	13JR5A0207	M. VEERA SIVA KUMAR			
	12JR1A0204	GUNTUR SIREESHA			
	12JR1A0251	T. HANUMANTHARAO			
5	12JR1A0228	K. PAVAN KUMAR	Mrs.R.Punyavathi	SWITCHED CONTROL OF THREE-PHASE VOLTAGE SOURCE PWM RECTIFIER UNDER A WIDE RANGE RAPIDLY VARYING ACTIVE LOAD	able to control the 3 ϕ voltage by using pwm rectifier under varying load
	12JR1A0235	KOYYA RAJA REDDY			
	12JR1A0227	GUMMADI RAJESH			
	12JR1A0224	DUMPA MAHENDRA REDDY			
	13JR5A0205	GARIKAMUKKU PRAVEEN			
6	12JR1A0240	NAGA DURGA TIRUMALA RAO K	Mr.K.Sarath bhushan	MULTIPOINT CONVERTERS BASED ON INTEGRATIUN OF FULL BRIDGE AND BI-DIRECTIONAL DC-DC TOPOLOGIES FOR RENEWABLE GENERATION SYSTEMS	able to interface multiport converters and apply bi directional dc-dc topology for renewable generation systems
	12JR1A0208	MALLOLU HANNA DEEPA			
	12JR1A0217	BHOGINENI GOPICHAND			
	12JR1A0212	SHAIK RESHMA BEGUM			
7	13JR5A0203	ANNAVARAPU PAVAN KUMAR	Mrs.R.Punyavathi	PERFORMANCE OF VARIABLE FREQUENCY IS PWM TECHNIQUE FOR A CASCADED MULTI LEVEL INVERTER	able to control the frequency with pwm technique for a cascaded multi level inverter
	13JR5A0209	P. VANGIPURAM CHAKRADAR			
	13JR5A0211	PITTALA YEDUKONDULU			
	12JR1A0225	GANDIKOTA VEERAJAH BABU			

8	12JR1A0203	CHINTAPATLA PRIYANKA	Prof.T.Srinivasarao/ Mr.S.Venkatesh	A PWM CURRENT CONTROLLER WITH SWITCHED RELUCTANCE MOTOR DRIVES	able to design an effective current controller for switched reluctance motor drives
	12JR1A0201	AYODHYA LAKSHMI SRAVANI			
	12JR1A0230	KARADI SRIKANTH			
	12JR1A0253	VEMULAGUNTA SUDEEP			
	122X1A0202	K.LALITHA SRI			
9	12JR1A0218	BOGALA KRISHNAREDDY	Mr.S.Venkatesh	NOVEL CASCADED H-BRIDGE MULTI LEVEL INVERTER WITH HARMONICS ELEMINATION	enhance the power quality by reducing the THD of a novel cascaded multi level inverter
	12JR1A0229	KANDUKURI SRINIVASA RAO			
	13JR5A0201	K.LAKSHMI THIRUPATAMMA			
	12JR1A0236	LAKKU BRAHMA REDDY			
10	12JR1A0209	PRATTI HEMA VENNELA	Mr.O.Hima kiran kumar	INTEGRATED ELECTRIC MOTOR DRIVE AND POWER ELECTRONICS FOR BI-DIRECTIONAL POWER FLOW BETWEEN THE ELECTRIC VEHICLE AND DC/AC GRID	able to design an application by utilising advancements in power electronics and drive systems
	12JR1A0202	BODAPATI RAMYASRI			
	12JR1A0243	PALLAM PAUL RATNAKANTH			
	12JR1A0238	LOKASANI SANTHOSHREDDY			
11	12JR1A0207	LAKSHMIRAJU SRI SIVANI	Mr.K.Gopi teja	HIGH EFFICIENCY POWER CONVERTER FOR RENEWABLE SOURCE OF ENERGY	able to design a converter for renewable source of energy
	12JR1A0215	Y.S.N. VENKATA SIVA SALINI			
	12JR1A0245	PATNALA SESA SAI			
	12JR1A0248	SHAIK MOHAMMED SUBHANI			
12	12JR1A0223	DODDA RAJABABU	Mr.M.Pratap naik	HYBRID POWER QUALITY COMPENSATOR WITH MINIMUM DC OPERATION VOLTAGE DESIGN FOR HIGH SPEED TRACTION POWER SYSTEM	able to minimize the harmonics in traction systems
	12JR1A0250	SURA RAMESH			
	12JR1A0231	KETHENENI NAGA RAJU			
	12JR1A0226	G. GOPALAKRISHNA			
	11JR1A0244	P.CHAKRADHAR			
13	13JR5A0213	T. BALARAMA KRISHNA	Prof.T.Srinivasarao/ Mr.M.Pratap naik	INTEGRATED INVERTER /CONVERTER CIRCUIT AND CONTROL TECHNIQUE OF MOTOR DRIVES WITH DUAL MODE CONTROL FOR EV/HEV APPLICATIONS	able to apply dual mode control on EV/HEV applications
	12JR1A0210	R.VEERA VENKATA MANOGNA			
	13JR5A0210	PERUGU GOPI RAJU			
	12JR1A0246	SHAIK ARSHAD AHAMED			
	13JR5A0212	RACHAKONDA VENKATESH			
14	12JR1A0234	KOMMISSETTY GOPI	Mr.Y.Rajesh babu	IMPROVED ACTIVE POWER FILTER PERFORMANCE FOR RENEWABLE POWER GENERATION SYSTEM	able to apply active power filter to renewable power generation system
	12JR1A0232	KOLLI NARENDRA KUMAR			
	12JR1A0254	Y. VENKATA NAGARJUNA			
	12JR1A0211	SETTI VARSHA			

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S No	ROLL NO	PROJECT BATCH	GUIDE	TITLE	PO'S MAPPING
1	12JR1A0213	SOMPALLI APARNA	Mr.K.Sarath bhushan	MODELING AND SIMULATION OF SINGLE -PHASE FIVE LEVEL INVERTER FED FROM RENEWABLE ENERGY SOURCES	po1,po2,po3,po5, po7,po9
	12JR1A0214	VEMURI DIVYA			
	12JR1A0220	BUDDA NAVEEN PREM KUMAR			
	12JR1A0239	MALLIKARJUNAREDDY G			
2	12JR1A0216	YERRA LAKSHMI DIVYA	Mr.Y.Rajesh babu	HYSTERISIS BAND CURRENT AND FUZZY LOGIC CONTROL FOR ACTIVE POWER FILTER	po1,po2,po3,po4, po5,po6,po9,po10
	12JR1A0205	KAVATI NALINI PRABHAVATHI			
	13JR5A0202	VANKAMALLA KRISHNAVENI			
	13JR5A0204	D. VIJAYA SAI KRISHNA			
3	11JR1A0226	B.ASHOK KUMAR	Mr.K.Ravi kumar	DESIGN AND SIMULATION OF SPEED CONTROLLER USING AC DC BUCK -BOOST CONVERTER FOR DC MOTOR DRIVE WITH SOFT STARTER	po1,po2,po9
	12JR1A0219	BONABOINA ANIL KUMAR			
	12JR1A0221	CHEEKATLA SATYA PRAKASH			
	12JR1A0222	DASARI NAGADURGA SAIKIRAN			
4	12JR1A0249	SHAIK NADIM KHAN	Mr.K.Gopi teja	A NEW MULTI LEVEL INVERTER WITH FACTS CAPABILITIES FOR WIND APPLICATIONS	po1,po3,po5
	12JR1A0237	LAVETI VIJAY KRISHNA			
	12JR1A0206	KOLLI PRATHYUSHA			
	13JR5A0207	M. VEERA SIVA KUMAR			
5	12JR1A0204	GUNTUR SIREESHA	Mrs.R.Punyavathi	SWITCHED CONTROL OF THREE-PHASE VOLTAGE SOURCE PWM RECTIFIER UNDER A WIDE RANGE RAPIDLY VARYING ACTIVE LOAD	po1,po3
	12JR1A0251	T. HANUMANTHARAO			
	12JR1A0228	K. PAVAN KUMAR			
	12JR1A0235	KOYYA RAJA REDDY			
6	12JR1A0227	GUMMADI RAJESH	Mr.K.Sarath bhushan	MULTIPOINT CONVERTERS BASED ON INTEGRATIUN OF FULL BRIDGE AND BI-DIRECTIONAL DC-DC TOPOLOGIES FOR RENEWABLE GENERATION SYSTEMS	po1,po2,po3,po5, po6,po7,po9
	12JR1A0224	DUMPA MAHENDRA REDDY			
	13JR5A0205	GARIKAMUKKU PRAVEEN			
	12JR1A0240	NAGA DURGA TIRUMALA RAO K			
7	12JR1A0208	MALLOLU HANNA DEEPA	Mrs.R.Punyavathi	PERFORMANCE OF VARIABLE FREQUENCY IS PWM TECHNIQUE FOR A CASCADED MULTI LEVEL INVERTER	po1,po3,po4,po5, po7
	12JR1A0217	BHOGINENI GOPICHAND			
	12JR1A0212	SHAIK RESHMA BEGUM			
	13JR5A0203	ANNAVARAPU PAVAN KUMAR			
8	13JR5A0209	P. VANGIPURAM CHAKRADAR	Prof.T.Srinivasarao/ Mr.S.Venkatesh	A PWM CURRENT CONTROLLER WITH SWITCHED RELUCTANCE MOTOR DRIVES	po1,po2,po5,po12
	13JR5A0211	PITTALA YEDUKONDULU			
	12JR1A0225	GANDIKOTA VEERAAH BABU			
	12JR1A0203	CHINTAPATLA PRIYANKA			
9	12JR1A0201	AYODHYA LAKSHMI SRAVANI	Mr.S.Venkatesh	NOVEL CASCADED H-BRIDGE MULTI LEVEL INVERTER WITH HARMONICS ELEMINATION	po1,po2,po4,po5
	12JR1A0230	KARADI SRIKANTH			
	12JR1A0253	VEMULAGUNTA SUDEEP			
	122X1A0202	K.LALITHA SRI			
10	12JR1A0218	BOGALA KRISHNAREDDY	Mr.O.Hima kiran kumar	INTEGRATED ELECTRIC MOTOR DRIVE AND POWER ELECTRONICS FOR BI-DIRECTIONAL POWER FLOW BETWEEN THE ELECTRIC VEHICLE AND DC/AC GRID	po1,po2,po3,po4, po5
	12JR1A0229	KANDUKURI SRINIVASA RAO			
	13JR5A0201	K.LAKSHMI THIRUPATAMMA			
	12JR1A0236	LAKKU BRAHMA REDDY			
11	12JR1A0209	PRATTI HEMA VENNELA	Mr.K.Gopi teja	HIGH EFFICIENCY POWER CONVERTER FOR RENEWABLE SOURCE OF ENERGY	po1,po5
	12JR1A0202	BODAPATI RAMYASRI			
	12JR1A0243	PALLAM PAUL RATNAKANTH			
	12JR1A0238	LOKASANI SANTHOSHREDDY			
12	12JR1A0207	LAKSHMIRAJU SRI SIVANI	Mr.M.Pratap naik	HYBRID POWER QUALITY COMPENSATOR WITH MINIMUM DC OPERATION VOLTAGE DESIGN FOR HIGH SPEED TRACTION POWER SYSTEM	po1,po3,po5
	12JR1A0215	Y.S.N. VENKATA SIVA SALINI			
	12JR1A0245	PATNALA SESA SAI			
	12JR1A0248	SHAIK MOHAMMED SUBHANI			
13	12JR1A0223	DODDA RAJABABU	Prof.T.Srinivasarao/ Mr.M.Pratap naik	INTEGRATED INVERTER /CONVERTER CIRCUIT AND CONTROL TECHNIQUE OF MOTOR DRIVES WITH DUAL MODE CONTROL FOR EV/HEV APPLICATIONS	po1,po3,po5
	12JR1A0250	SURA RAMESH			
	12JR1A0231	KETHENENI NAGA RAJU			
	12JR1A0226	G. GOPALAKRISHNA			
14	11JR1A0244	P.CHAKRADHAR	Mr.Y.Rajesh babu	IMPROVED ACTIVE POWER FILTER PERFORMANCE FOR RENEWABLE POWER GENERATION SYSTEM	po1,po2,po3,po4, po5,po6,po7,po10
	13JR5A0213	T. BALARAMA KRISHNA			
	12JR1A0210	R.VEERA VENKATA MANOGNA			
	13JR5A0210	PERUGU GOPI RAJU			
	12JR1A0246	SHAIK ARSHAD AHAMED			
	13JR5A0212	RACHAKONDA VENKATESH			
	12JR1A0234	KOMMISETTY GOPI			
	12JR1A0232	KOLLI NARENDRA KUMAR			
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Batch No	ROLL NO	GUIDE	TITLE
1	12JR1A0213	Mr.K.Sarath bhushan	A Novel single phase five level inverter fed from renewable energy sources with reduced number of switches
	12JR1A0214		
	12JR1A0220		
	12JR1A0239		
2	12JR1A0216	Mr.Y.Rajesh babu	Power quality improvement by compensating harmonics using hysteresis band current and fuzzy logic control
	12JR1A0205		
	13JR5A0202		
	13JR5A0204		
3	11JR1A0226	Mr.K.Ravi kumar	Simulation of DC-DC buck-boost converter fed DC motor drive with soft starter
	12JR1A0219		
	12JR1A0221		
	12JR1A0222		
4	12JR1A0249	Mr.K.Gopi teja	A single phase modular multilevel converter (MMC) based D-STATCOM inverter for distributed energy sources.
	12JR1A0237		
	12JR1A0206		
	13JR5A0207		
5	12JR1A0204	Mrs.R.Punyavathi	A Novel technique for mitigation of voltage sag/swell by dynamic voltage restorer
	12JR1A0251		
	12JR1A0228		
	12JR1A0235		
6	12JR1A0227	Mr.K.Sarath bhushan	Photo voltaic based PMSM drive for stand alone water pumping system
	12JR1A0224		
	13JR5A0205		
	12JR1A0240		
7	12JR1A0208	Mrs.R.Punyavathi	A meticulous analysis on cascaded H- bridge multi level inverter fed induction motor drive
	12JR1A0217		
	12JR1A0212		
	13JR5A0203		
	13JR5A0209		
	13JR5A0211		
	12JR1A0225		

Item	CAYm1	CAY
Number of faculty members with experience of less than 1 year (x0)	0	2
Number of faculty members with 1 to 2 years of	6	5
Number of faculty members with 2 to 3 years of	6	6
Number of faculty members with 3 to 4 years of	0	5
Number of faculty members with 4 to 5 years of	0	0
Number of faculty members with more than 5 years	1	1
N	19	19
$RPI = x_1 + 2x_2 + 3x_3 + 4x_4 + 5x_5$	23	37
Assessment	3.63	5.84
Average assessment		

0
2
5
6
5
1
14
55
11.78
7.08

BATCH-A

1	12JR1A0213	SOMPALLI APARNA
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11	12JR1A0207	LAKSHMIRAJU SRI SIVANI
12	12JR1A0223	DODDA RAJABABU
13	13JR5A0213	T. BALARAMA KRISHNA
14	12JR1A0234	KOMMISSETTY GOPI

BATCH-B

1	12JR1A0210	R.VEERA VENKATA MANOGNA
2	12JR1A0201	AYODHYA LAKSHMI SRAVANI
3	13JR5A0209	P. VANGIPURAM CHAKRADAR
4	12JR1A0202	BODAPATI RAMYASRI
5	13JR5A0207	M. VEERA SIVA KUMAR
6	12JR1A0205	KAVATI NALINI PRABHAVATHI
7	12JR1A0229	KANDUKURI SRINIVASA RAO
8	12JR1A0250	SURA RAMESH
9	12JR1A0208	MALLOLU HANNA DEEPA
10	12JR1A0235	KOYYA RAJA REDDY
11	12JR1A0221	CHEEKATLA SATYA PRAKASH
12	12JR1A0214	VEMURI DIVYA
13	12JR1A0215	Y.S.N. VENKATA SIVA SALINI
14	12JR1A0220	BUDDA NAVEEN PREM KUMAR
15	12JR1A0231	KETHENENI NAGA RAJU
16	12JR1A0204	GUNTUR SIREESHA
17	12JR1A0211	SETTI VARSHA
18	12JR1A0237	LAVETI VIJAY KRISHNA
19	12JR1A0254	Y. VENKATA NAGARJUNA
20	13JR5A0202	VANKAMALLA KRISHNAVENI
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24	12JR1A0212	SHAIK RESHMA BEGUM
25	13JR5A0201	K.LAKSHMI THIRUPATAMMA

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27	12JR1A0245	PATNALA SESA SAI
28	12JR1A0249	SHAIK NADIM KHAN
29	12JR1A0225	GANDIKOTA VEERAAH BABU
30	12JR1A0227	GUMMADI RAJESH

BATCH-C

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3	12JR1A0236	LAKKU BRAHMA REDDY
4	12JR1A0238	LOKASANI SANTHOSHREDDY
5	12JR1A0248	SHAIK MOHAMMED SUBHANI
6	13JR5A0210	PERUGU GOPI RAJU
7	13JR5A0211	PITTALA YEDUKONDULU
8	12JR1A0251	T. HANUMANTHARAO
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11	12JR1A0222	DASARI NAGADURGA SAIKIRAN
12	13JR5A0204	D. VIJAYA SAI KRISHNA
13	12JR1A0246	SHAIK ARSHAD AHAMED
14	12JR1A0230	KARADI SRIKANTH