

Siliguri Institute of Technology
Department of Electrical Engineering
Last 5 Years Project Details

SN	YEAR	PROJECT GROUP NO.	GROUP MEMBER NAME	PROJECT TITLE	PROJECT GUIDE NAME
1	020-21	1	Abijeet Rai	ENERGY AUDIT A PRACTICAL CASE STUDY	Dr. P. K. Adhvaryu
			Soumyadeep Pandit		
			Arnab Seal		
			ARIJIT CHANDRO PAUL		
		2	Piya Mohanta	Appliance meter	Mr. Mitul Ranjan Chakraborty
			Sneha Paul		
			TANMOY GHOSH		
			Soumya Dey		
		3	Debopriya Sarkar	Study / Optimal Operation of Energy Storage Systems	Mr. Mitul Ranjan Chakraborty
			Ashish Ranjan		
			Anjali Kumari Barai		
			Surabhi Ghosh		
		4	Debojit Biswas	CHARGING OF AN ELECTRIC VEHICLE USING SOLAR PV SYSTEM	Mr. Jayanta Bhusan Basu.
			Madhu Agarwal		
			Prasanjit Sarkar		
			Doma yankey dukpa		
		5	simantika saha	Investigation on Deregulated Power System	Mr. Jayanta Bhusan Basu.
			Jabed Akhtar		
			Jyotirmay Das		
			Moni PUSHPAK Majumdar		
		6	Kanstav Kumar Prasad	Load modeling for minimize the generation & transmission losses, generation costs and maximizing the system's efficiency.	Mr. Pralay Roy
			Subham Pal		
			DIBYAJYOTI SARKAR		
			NILABHA MAJUMDAR		
		7	SWARAJ PAUL	Estimation of Power System Parameter.	Mr. Pralay Roy
			TANUSHREE		
			SUSANTA SAHA		
			ARUNIMA RAY		
		8	Ravi Ranjan	Designing of a Drone using aurdino UNO and MPU 6050 sensor module	Mrs. Shrabani Pal
			Dipsona Banik		
			Abhishek Kundu		
			ROUNAK CHATTERJEE		
		9	NOUSHAD HOSSAIN	POWER GENERATION FROM OCEANIC TIDES	Mrs. Shrabani Pal
			Sayoni Saha		
			Rahul Raj Mandal		
			Avik Majumder		
			Abhiranjan Sharma		

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		10	Paulami Ghosh	APPLICATION OF HYBRID ELECTRICAL ENERGY	Mr. Arup Das
			Shreeya Sen		
			Sourav Singha		
			Amit Bhowmik		
		11	Avroroop paul	DESIGN OF ELECTRIC VEHICLE CHARGING STATION	Mr. Arup Das
			Rakesh Debnath		
			Sandip Mana		
			Tamaghna Chatterjee		
		12	ANKIT SARKAR	ENERGY EFFICIENT BATTERY CHARGER	Dr. Chiranjit Sain
			Rahul Dutta		
			Abhirup Roy		
			RAHUL KUMAR		
		13	Ashish Mandal	CHARGING OF ELECTRIC VEHICLES THROUGH ROTATORY MOTION OF WHEELS	Dr. Chiranjit Sain
			Akash Mishra		
			Anubhab Chattopadhyay		
			Raihan Azom Roushan		
		14	DIBYOJYOTI SARKAR	Induction Heater with Bifilar Flat Coil	Mr. Subhajit Roy
			Biswajit Kumar Laskar		
			Sunanda Sinha		
			Subir Ghosh		
		15	SNEHAL SHUBHAM	Home Automation and Wireless Control	Mr. Subhajit Roy
			SURAJ kumar Maharaj		
			Subhojeet Acharjee		
			SOYEB PARVEZ		
		16	MAYUKH NANDI	Study of load frequency control in two area thermal power system	Mr. Indrajit Koley
			Dipanjana Bishnu		
			Akash Roy		
			ARGHYA DEEP SAHA		
		17	SOHEL ANJUM	Study of Load Frequency Control in Multiarea Power System	Mr. Indrajit Koley
			Shibam Das		
			Indibar saha		
			Kushal Dey		
		5	Bishal Kumar Mandal	AUTOMATIC VALVE CONTROL	Dr. P. K. Adhvaryu
			Chhaya Kumari Tuddu		
			Paulami Ghosh		
			Tamalika Das		
		2	SARVAJEET KUMAR	MPPT(Maximum Power Point Tracking)	Mr. Mitul Ranjan
			Sayani Bhattacharjee		
			Vedant Singh Shankar		

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2019-20

4	Riya Sarkar	Tracking Based Solar Charge Controller	Chakraborty
	Mrinal Chanda		
16	ABHISEK SARKAR	Home Automation	Mr. Mitul Ranjan Chakraborty
	Sudipta Roy		
	AKASH SARKAR		
	Akash Paul		
3	Sanchari Ghosh	Improvement of String Efficiency	Mr. Pralay Roy
	Joydeb Roy		
	Gourab Sarkar		
	Biswajit Karmakar		
4	Basudeb mohanta	Economic Load Dispatch Using Genetic Algorithm	Mr. Pralay Roy
	Sahil Rai		
	Sourav Thapa		
	Anuska Roy		
6	PRITAM GAUTAM	STRESS METER	Mr. Arup Das
	DIPU DAS		
	Arindam Mondal		
	Subhendu Biswas		
7	Srinjoy Ghosh	ANDROID BASED GLUCOMETER	Mr. Arup Das
	SUBHAJIT BARMAN		
	Uday Roy		
	Abhinaba Roychoudhury		
17	Abhinab Talukdar	IPT (Inductive Power Transfer) BASED WIRELESS EV CHARGER	Mrs. Shrabani Pal
	Bappaditya Shome		
	Priyanka Das		
	Subhankar Das		
13	RAKESH KUMAR NEOPANE	Solar Power Vechile	Mrs. Shrabani Pal
	SUJOY MODAK		
	HIMADRI DAS		
	RAJA BABU		
1	Suman Dutta	Solar Powered Smart Water Purification System	Mr. Jayanta Bhusan Basu.
	Aniruddha Chaki		
	Sajan pradhan		
	Sayantani Dey		
11	Aishik Bhattacharjee	AUTOMATED GRAIN DISTRIBUTION SYSTEM	Mr. Jayanta Bhusan Basu.
	Nilrudra Sarkar		
	NAVA MALAKAR		
	SUROJIT CHANDA		
	Abhishek dey		

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		8	Sourav Majumder	Design of Cuk Converter for Renewable Energy Applications	Dr. Chiranjit Sain
			Pratusha gupta		
			NEHA RANI		
		9	Subarna Tribedi	Electric Vehicle Ecosystem	Dr. Chiranjit Sain
			Kushal Gurung		
			Santanu Nag		
		12	Binit Kumar Yadav	Load frequency control in renewable energy based power system	Mr. Indrajit Koley
			Chitralkha Chouhan		
			ISHITA ROY		
		14	Debangana Das	LOAD FREQUENCY CONTROL OF TWO AREA SYSTEM	Mr. Indrajit Koley
			Subrata Goswami		
			TAMAL BISWAS		
		10	SAMBHU ROY	WIRELESS SPEED AND DIRECTION CONTROL OF DC MOTOR BY RADIO FREQUENCY TECHNOLOGY	Mr. Subhajit Roy
			BHATTCHARJEE		
			Subrata Pramanik		
		15	Rajat Kumar Mazumder	CASCADED DC-DC BOOST CONVERTER	Mr. Subhajit Roy
			Bappaditya Barman		
			Anamika dutta		
		1	Pushp Raj Roy	Analysis and Monitoring of a typical Power Grid using ETAP	Prof. J. B. Basu
			SAIBAL DAS		
			NIRVESANKA ROY		
		2	Anwesha Kar	Investigation of the Effect of Voltage Dip & Swell for PWM based Converters' Dynamics	Prof. M. R. Chakraborty
			Debarati Pal		
			Amit Mondal		
		3	Aishika Nandy	Transient Stability Analysis of switching actions of a Power System using Equal area Criterion	Prof. P Roy
			Jyotirmoy Mahato		
			Debjyoti Dey		
		4	Sourav Datta	Computation of approximate solutions of Dynamical Systems using Limit Cycle topology	Prof. A. Das
			Subham Bhowal		
			Eathena Dutta		
		5	Amartya Sur	Mobile technology (GSM) based Remote Monitoring and Control	Prof. S. Dev
			Kunzang Gyamtsho Dukpa		
			Md Wajid Ali		
		6	Barnamoy Chowdhury	Computation of approximate solutions of Dynamical Systems using Limit Cycle topology	Prof. A. Das
			Md Shahrukh Ahmed Molla		
			Dipayan Kar		
		7	Md Minhaz Alam	Mobile technology (GSM) based Remote Monitoring and Control	Prof. S. Dev
			Jalima Khatun		
			Kundan Kumar		

2018-19

5	Debopam Kumar Roy	Remote Monitoring and Control of Digital Energy Meter	Prof. S. Dey
	Chandrika Mukhopadhyaya		
6	Ankita Chakraborty	Solar Powered Smart Car	Prof. C. Sain
	Ishita Barman		
	Anwesha Maitra		
	Srijoy Hore		
7	Arunima Paul	Fingerprint based Biometric Voting Machine using Arduino	Prof. S. Roy
	Sharmistha Karjee		
	Anjum Iqbal		
	Suman Roy		
8	Archishman Das	Arduino Controlled Battery Charger	Prof. S. Dey
	Kishor Kumar Thakur		
	Anupama Prasad		
	Chowdhury		
9	Deepjyoti Roy	Designing of Triggering Circuit of TRIAC & its application	Prof. I. Koley
	Indrajit Basak		
	Joyrup Singh		
10	Aparupa Dey	Energy Audit and Scope of Solar Electrification in Siliguri Institute of Technology	Prof. Dr. S. Dawn
	Lee Yang Fung		
	Arunima Bhattacharyya		
	Arpita Sarkar		
11	Samir Rajak	Load Frequency Control in a Renewable Energy based Power System	Prof. I. Koley
	Snigdha Chakraborty		
	Soyel Perves		
	Shahid Ansari		
12	Mainak Biswas	Stability Analysis of Electromagnetic Waves and Optical Resonators	Prof. K. Chatterjee
	Waqar Ahmed		
	Suman Kumar		
	Subhamay Banik		
13	Projoy Roy	Railway Track Security System	Prof. R. Kumari
	Subhobrata Panja		
	Susmita Guha Sarkar		
	Rajdeep Barman		
14	Snighdha Das	Profit Maximization and Loss Minimization by Optimal Placement of FACTS Devices	Prof. Dr. S. Dawn
	Reshma Giri		
	Sibansu Ghosh		
	Rebati Ray		
	Riju Mandal	PID Controller Designing for the	

		15	Siddharth Rai	PID Controller Designing for the Speed Control of a DC Motor in Hardware	Prof. N. Chakraborty
			Sabyasachi Mukherjee		
			Prayag Tamang		
		16	Sourav Debnath	Arduino based LED Street Lights with Auto Intensity Control	Prof. M. R. Chakraborty
			Saikat Sarkar		
			Subhajit Das		
			Shubham Kumar		
		17	Pritambar Mandal	Designing of Hybrid charger for mobiles and other accessories	Prof. P. Roy
			Subham Das		
			Suban Roy		
			Mithilesh Kumar		
		18	Rojika Darnal	Voice enabled Devices Switching for Visually Impaired based on Bluetooth Module	Prof. R. Kumari
			Arup Sarkar		
			Bhaskar Roy		
			Sourav Dutta		
		19	Pranoy Thapa	Study of Dynamic Behavior of a PMSLDC Motor Drive for Light Electric Vehicle	Prof. C. Sain
			Nehal Sharma		
			Rakesh Gurung		
			Mithun Kumar		
		20	Sonia Paul	Phase Angle Control of SCR using Microcontroller and its application	Prof. S. Roy
			Somraj Roy		
			Rajdeep Malakar		
		1	ANKITA SAHA	Design of a Home Automation System	Prof. J. B. Basu
			SUCHISMITA ADHIKARY		
			PRIYANKA DAS		
			SUBHAM DUTTA		
		2	GOURAV GHOSH	Design of Biometric system using Arduino	Prof. M. R. Chakraborty
			DIPANJAN KARMAKAR		
			INDRA NARAYAN CHOWDHURY		
			KOUSHIK KARMAKAR		
		3	SUBHAM SAHA	Economic Load Dispatch Computation using Particle Swarm Optimization Technique	Prof. P Roy
			MADHUMITA SARKAR		
			RUPAK KUNDU		
			ABHIJIT DUTTA		
		4	MD ARIF EQUBAL	Implementation of Active Filter for Improving Power Quality	Prof. A. Das
			ABHIJIT KUMAR MANDAL		
			RAJA CHOUDHURY		
			ABHISHEK KUMAR DAS		

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2017-18

5	AVIRUPA DUTTA	Designing a communication protocol to prevent the accident with vehicle to vehicle	Prof. S. Pal
	RIJU NANDI		
	SANJOY KARMAKAR		
	DEBARSHI CHAKRABORTY		
6	SUBHAM SARKAR	Design of Arduino Controlled VSI/CSI Based Permanent Magnet Motor Drives Employed in Light Vehicles	Prof. C. Sain
	SUDARSHAN BASAK		
	SAIKAT MITRA		
	PURAN SAHA		
7	SATARUPA MUKHERJEE	Design of GSM Based Home Security Alarm System Using Arduino	Prof. S. Roy
	SOUMA BRATA GUHA		
	ASHA KUMARI		
	PURAJIT SARKAR		
8	DEBARPAN ROY	Design and Implementation of a Digital PID Controller	Prof. S. Dey
	SANDEEP KUMAR GUPTA		
	AVIMANYU KUMAR TANTI		
	DEBAJIT KARMAKAR		
9	SOUMYAJYOTI PAUL	Designing of Solar Inverter	Prof. M. B. Das
	SAYAN DAS		
	ABHIJIT DAS		
	SOUMYADEEP BARMAN		
10	SUMAN KARMAKAR	Load Frequency Control in a Hybrid Thermal-Wind Power Generation System	Prof. I. Koley
	MD.IRSHAD ALAM		
	ANUPAM DATTA		
	NIKHIL RAJ		
11	PEMBA BHUTIA	Energy Audit (A practical Case Study)	Prof. P. Chakraborty
	ABHISHEK KUMAR		
	SOUMYADEEP CHANDA		
	DURGESH KUMAR		
12	SABYASACHI MANDAL	Small and Large Signal Modelling of DC to DC converters by state space averaging approach	Prof. K. Chatterjee
	KOUSIK BARMAN		
	TUHIN CHAKRABORTY		
13	ARKAJIT FOUZDER	Three phase fault analysis with auto reset for temporary fault and trip for permanent fault	Prof. R. Kumari
	ANKOOR SINGH		
	SAUBIR GHOSH		
	SUBHADEEP MONDAL		
14	PRITAM ROY	Design of Arduino based Calculator	Prof. A. Sanyal
	SANDIPAN NATH		
	SUVRAJIT SAHA		
	SOURAV GUHA		

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		15	MAINAK DE	Joint Scheduling Optimization Strategy for Solar and Battery Storage Systems Considering Imbalance Cost in Deregulated Power Market	Prof. S. Dawn
			HIVAM KUMAR CHOWDHAR		
			ASHIM SARKAR		
			VINOD KUMAR JANA		
5	2016-17	1	ABHINANDAN MISHRA	Designing an analog PID controller	Mr Jayanta Basu
			ASHUTOSH KUMAR		
			KISHLAY KUMAR		
			ASHISH KUMAR		
		2	AKASH KIRODIWAL	Project on the design and control of Active Power and Reactive Power developed by a three phase self-excited Induction Generator with Capacitive load and its application for	Mr Dipak Bhattacharya
			ABHISHEK PODDER		
			BITHIKA DAS		
			AKASH KUMAR		
		3	AVISMIT DUTTA	Three Phase Voltage Regulation using SCR & Microcontroller.	Mr Mitul Ranjan Chakraborty
			ARNAB BHATTACHARJEE		
			NILESH KUMAR		
			ADRIJAA PODDAR		
		4	AKASH CHAKRAVORTY	Transient Stability Analysis of an IEEE Standard interconnected electric Power System.	Mr Pralay Ray
			DEBARGHA CHATTERJEE		
			MRINMOY GHOSH		
			ANAAB		
		5	AAMIR ALI	Real time implementation of H Bridge Inverter.	Mr Arup Das
			KRISHNA VISHWAKARMA		
			ANAND MOHAN		
			ANINDYA KUMAR DAS		
		6	DEBANGAN SAHA	Traffic Light Controller.	Mrs Shrabani Pal
			GOURAB CHANGDER		
			NEHA BHOWMICK		
			DEEP DEBNATH		
		7	NILANJAN SAHA	Design and Development of Fuzzy Intelligent Speed Controller for an Adjustable Speed Induction Motor Drive.	Mr Chiranjit Sain
			INDRANIL NANDI		
			KASIF HUSSAIN		
			KUMAR SHUBHAM		
		8	KABITA GUPTA	Wireless Electronic Notice Board using GSM	Mr Subhajit Roy
			NEELU KUMARI		
			ABHISEK BHATTACHARJEE		
			MD UNUS SALIM		
		9	BIJAN ROY	Different Performance Study of a Missile Autopilot System for Various Cases.	Mrs Sanjukta Dey
			KABI NUNIA		
IMTEAZ AHMED					

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		10	PRINCE PANKAJ	Vector control of 3 phase induction motor drive	Mrs Mousumi Basu Das
			EHSAN ANJUM		
			AKASHNEEL CHAKRABORTY		
			AVIK ADHIKARY		
		11	ANGSHU PRONIT MAHANTA	Solar Powered LED Street light with auto intensity control	Mr Priyadarshi Charaborty
			MANJIT RAVIDAS		
			AMIT KUMAR		
			AYANDEEP CHATTERJEE		
		12	PRAWEEEN KUMAR	Modeling and Simulation of DFIG (Doubly Fed Induction Generator) To Grid Connected Wind Power Generation using Matlab and Wind	Mr Indrajit Kolay
			MAITRI MOKTAN		
			PINANKUR BHADRA		
		13	DEBRAJ DUTTA	A Thorough Study on Arduino Based Current Mode Control of Single Ended Primary Inductance Converter	Mr. Kaushik Chatterjee
			MOHANA SARKAR		
			MUKESH KUMAR NONIA		
		14	KUMAR KUNAL VERMA	Hardware Implementation of Transmission Line and Its Study using MATLAB	Miss Rubi Kumari
			NITIN KUMAR		
			MD ASIF		