



**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**BATCH - 2018-2021**

**M.TECH POWER SYSTEMS(PART TIME) PROJECT DETAILS**

SL NO	REGISTER NUMBER	STUDENT NAME	PROJECT TITLE	PROJECT GUIDE
1	1801PS2801	RAMESH .KR	DIRECT CONNECTION OF SUPER CAPACITOR- BATTERY HYBRID STORAGE SYSTEM TO THE GRID-TIED PHOTOVOLTAIC SYSTEM	Mrs.G.Krithiga
2	1801PS2802	SANKAR .M	CHANCE-CONSTRAINED ENERGY MANAGEMENT SYSTEM FOR POWER GRIDS WITH HIGH PROLIFERATION OF RENEWABLES AND ELECTRIC VEHICLES	Dr.B.Kunjithapatham
3	1801PS2803	SENTHILKUMAR .K	SERIES CAPACITOR COMPENSTATED AC FILTERLESS FLEXIBLE LCC HVDC WITH ENHANCED POWER TRANSFER UNDER UNBALANCED FAULTS	Dr.S.A.Ahamed Ibrahim
4	1801PS2804	MALARVANNAN .J	A NOVEL FAULT IMPEDACE CALCULATION METHOD FOR DISTANCE PROTECTION AGAINST FAULT RESISTANCE	Mr.C.Jayashankar
5	1801PS2805	MOHANRAJ .S	TIME-COORDINATED MULTI-ENERGY MANAGEMENT OF SMALL BUILDINGS UNDER UNCERTAINTIE	Dr.S.A.Ahamed Ibrahim
6	1801PS2806	MATHIVANAN .J	DC FAULT DETECTION IN MTDC SYSTEMS BASED ON TRANSIENT HIGH-FREQUENCY OF CURRENT	Mr.C.Jayashankar
7	1801PS2807	AKBAR ALI .A	A NEW PROTECTION SCHEME FOR HVDC TRNSMISSION LINES BASED ON THE SPECIFIC FREQUENCY CURRENT OF DC FILTER	Dr.B.Kunjithapatham

8	1801PS2808	KANIMOZHI .R	A MODEL BASED DC FAULT LOCATION SCHEME FOE MULTI-TERMINAL MMC-HVDC SYSTEMS USING A SIMPLIFIED TRANSMISSION LIME REPRESENTATION	Mr.S.Govindasamy
9	1801PS2809	BASKARAN .A	ENERGY MANAGEMENT AND CONTROL OF SIGLE STAGE GRID CONNECTED SOLAR PV AD BES SYSTEM	Mr.C.Jayashankar
10	1801PS2810	NALLAIYAN .S	AN INTEGRATED ENERGY MANAGEMENT APROACH FOR THE ECOMIC OPERATION OF INDUSTRIAL MICROGRIDS UNDER UNCERTAINTY OF RENEWABLE ENERGY	Mr.M.Arunkumar
11	1801PS2811	SEKAR .M	A NOVEL ON LINE SUB STATION INSTRUMENT TRANSFORMER HEALTH MONITORING SYSTEM USING SYNCHROPHASOR DATA	Mr.R.Elangovan
12	1801PS2812	ARUN .B	SHORT-CIRCUIT CONSTRAINED POWER SYSTEM EXPASION PLANNING CONSIDERING BUNDLING AND VOLTAGE LEVELS OF LINES	Mr.C.Jayashankar
13	1801PS2813	SRIDHAR SARAVANATHAVAN .N	A GAIN SCHEDULING WIDE-AREA DAMPING CONTROLLER FOR THE EFFICIENT INTEGRATION OF PHOTOVOLTAIC PLANT	Mr.S.Govindasamy
14	1801PS2814	AMULRAAJ MA	DETECTION OF HIGH IMPEDANCE ARC FAULTS USING THE RANDOMNESS OF EVEN HARMONIC ANALYSIS IN DISTRIBUTION SYSTEM	Mrs.G.Krithiga
15	1801PS2815	AMUTHAINBBAN .S.V	ONLINE CABLE CODITION MONITORING USING NATURAL POWER DISTURBANCES	Mrs.G.Krithiga
16	1801PS2816	MATHIAZHAGAN .A	ROBUST CURRENT CONTROL OF GRID TED INVERTERS FOR RENEWABLE ENERGY	Mr.M.Arunkumar

			INTEGRATION UNDER NON IDEAL GRID CONDITION	
17	1801PS2817	THIYAGARAJAN .K	SHORTCIRCUIT ANALYSIS MODELS FOR UNBALANCED INVERTER BASED DISTRIBUTED GENERATION SOURCES AND LOADS	Mr.D.Hariharan
18	1801PS2818	RAMESH KUMAR .J	PREDICTIVE CONTROL OF FLEXIBLE RESURCES FOR DEMAND RESPONSE IN ACTIVE INSTRUCTION NETWORKS	Mr.R.Elangovan
19	1801PS2819	ALAGESAN V	CASCADED H_BRIDGE WAVESHAPERS FOR OFFSHORE HVDC TRANSMISSION	Dr.S.A.Ahamed Ibrahim
20	1801PS2820	KARTHIKEYAN .R	NONLINER CONTROL FOR DC MICROGRIDS ENABLING EFFICIENT RENEWABLE POWER INTEGRATION AND ANCILLARY SERVICES FOR AC GRIDS	Mr.D.Hariharan
21	1801PS2822	RAJANEELAMEGAM .B	SEQUENCE-BASED CONTROL STRATEGY WITH CURRENT LIMITING FOR THE FAULT RIDE THROUGH OF INVERTER- INTERFACED DISTRIBUTED GENERATORS	Mr.R.Elangovan
22	1801PS2823	ANTHONIRAJ .M	IMPEDANCE ANALYSIS OF VIRTUAL SYNCHRONOUS GENERATOR-BASED VECTOR CONTROLLED CONVERTERS FOR WEAK AC GRID INTEGRATION	Mr.C.Jayashankar
23	1801PS2824	ASHOKKUMAR .C	SERIES CAPACITOR COMPENSATED AC FILTERLESS FLEXIBLE LCC HVDC WITH ENHANCED POWER TRANSFER UNDER UNBALANCED FAULTS	Mr.D.Hariharan
24	1801PS2825	MOHANA .V	JOINT ESTIMATION OF OPERATIONAL TOPOLOGY AND OUTAGES FOR	Mr.C.Jayashankar

			UNBALANCED POWER DISTRIBUTION SYSTEMS	
25	1801PS2826	SATHISH .C	A REAL-TIME ENERGY MANAGEMENT AND SPEED CONTROLLER FOR AN ELECTRIC VEHICLE POWERED BY A HYBRID ENERGY STORAGE SYSTEM	Dr.S.A.Ahamed Ibrahim
26	1801PS2827	VISWANATHAN .K	BATTERY ENERGY STORAGE SYSTEM TO STABILIZE TRANSIENT VOLTAGE AND FREQUENCY AND ENHANCE POWER EXPORT CAPABILITY	Mr.D.Hariharan
27	1801PS2828	MANIDOSS .K	SCALABLE ROBUST VOLTAGE CONTROL OF DC MICROGRIDS WITH UNCERTAIN CONSTANT POWER LOADS	Mr.S.Govindasamy
28	1801PS2829	RAJEEV KUMAR .K	MODEL PREDICTIVE CONTROL-BASED AC LINE OVERLOAD ALLEVIATION BY USING MULTI-TERMINAL DC GRIDS	Mr.S.Govindasamy
29	1801PS2834	BASKAR .M	A GENETIC -ALGORITHM SUPPORT VECTOR MACHINE AND D-S EVIDENCE THEORY BASED FAULT DIAGNOSTIC MODEL FOR TRANSMISSION LINE	Mr.C.Jayashankar
30	1801PS2835	VENKATESAN .S	DISTRIBUTED SYNCHRONIZED CONTROL IN GRID INTEGRATED WIND FARMS TO IMPROVE PRIMARY FREQUENCY REGULATION	Mr.M.Arunkumar
31	1801PS2836	PANDIYAN .M	A NOVEL INTEGRATED PROTECTION FOR VSC-HVDC TRANSMISSION LINE BASED ON CURRENT LIMITING REACTOR POWER	Mr.C.Jayashankar
32	1801PS2837	CHANDRASEKAR .R	ESTIMATING THE WIND POWER INTEGRATION THRESHOLD CONSIDERING ELECTROTHERMAL COUPLING OF OVERHEAD TRANSMISSION LINES	Mr.R.Elangovan

33	1801PS2838	SARBUDEEN .A	COORDINATION OF MMCs WITH HYBRID DC CIRCUIT BREAKER FOR HVDC GRID PROTECTION	Mr.D.Hariharan
34	1801PS2839	PALANISAMY .N	OVERHEAD TRANSMISSION LINE PARAMETER RECONSTRUCTION FOR UAV INSPECTION BASED ON TUNNELING MAGNETORESISTIVE SENSORS AND INVERSE MODELS	Mr.D.Hariharan
35	1801PS2840	ANBUSELVAN .A .S	DETECTION AND LOCALIZATION OF DEFECTS IN CABLE SHEATH OF CROSS-BONDING CONFIGURATION BY SHEATH CURRENTS	Mr.D.Hariharan
36	1801PS2841	RUTHRAPATHI .P	DISCRETE WAVELET TRANSFORM BASED TRIGGERING METHOD FOR SINGLE-PHASE EARTH IN POWER DISTRIBUTION SYSTEMS	Mrs.G.Krithiga
37	1801PS2842	PARTHIPARAJ K	DISTRIBUTED OPTIMAL TIE-LINE POWER FLOW CONTROL FOR MULTIPLE INTERCONNECTED AC MICROGRIDS	Mr.R.Elangovan
38	1801PS2843	ELAYARAJA M	CAPACITY ALLOCATION AND OPTIMAL CONTROL OF INVERTER AIR CONDITIONERS CONSIDERING AREA CONTROL ERROR IN MULTI-AREA POWER SYSTEMS	Dr.S.A.Ahamed Ibrahim
39	1801PS2844	VIKRAMAN G	FREE CURRENT SHARING CONTROL STRATEGY FOR DC MICROGRIDS AND IT'S APPLICATION FOR AC/DC HYBRID MICROGRIDS	Mr.R.Elangovan
40	1801PS2847	ALEX A	STABILITY-CONSTRAINED ADAPTIVE DROOP FOR POWER SHARING IN AC-MTDC GRIDS	Dr.S.A.Ahamed Ibrahim
41	1801PS2848	AMUTHA R	ELECTRIC VEHICLE CHARGING MANAGEMENT USING AUCTION MECHANISM	Mr.S.Govindasamy

			FOR REDUCING PV CURTAILMENT IN TRANSMISSION LION	
42	1801PS2849	PRABHAKARAN T	DEEP-REINFORCEMENT-LEARNING-BASED AUTONOMOUS VOLTAGE CONTROL FOR POWER GRID OPERATIONS	Mr.M.Arunkumar
43	1801PS2850	RENGANATHAN S	SERIES CAPACITOR COMPENSTATED AC FILTERLESS FLEXIBLE LCC HVDC WITH ENHANCED POWER TRANSFER UNDER SYMMETRICAL FAULT	Mr.S.Govindasamy
44	1801PS2851	PRABAVATHY P	A THREE PHASE ADAPTIVE RECLOSURE TECHNOLOGY FOR DISTRIBUTION FEEDERS BASED ON PARAMETER IDENTIFICATION	Mr.M.Arunkumar
45	1801PS2852	GAYATHRI R	SPARSITY BASED SHORT CIRCUIT ANALYSIS OF POWER DISTRIBUTION SYSTEMS WITH INVERTER INTERFACED DISTRIBUTED GENERATORS	Mr.R.Elangovan
46	1801PS2853	BOOPATHI K	STABILITY-CONSTRAINED ADAPTIVE DROOP FOR POWER SHARING IN MICRO GRID	Dr.S.A.Ahamed Ibrahim
47	1801PS2854	XAVIER BENEDICT R	DAY-AHEAD SELF SCHEDULING OF A VIRTUAL POWER PLANT IN ENERGY AND RESERVE ELECTRICITY MARKETS UNDER UNSTABILITY	Mr.S.Govindasamy
48	1801PS2855	MANGAIYARKARASI M	ELECTRIC VEHICLE CHARGING MANAGEMENT USING AUCTION MECHANISM FOR REDUCING PV CURTAILMENT IN DISTRIBUTION SYSTEMS	Mr.M.Arunkumar
49	1801PS2856	SENTHIL KUMAR R	DAY-AHEAD SELF SCHEDULING OF A VIRTUAL POWER PLANT IN ENERGY AND RESERVE ELECTRICITY MARKETS UNDER UNCERTAINTY	Dr.S.A.Ahamed Ibrahim

50	1801PS2857	THIYAGARAJAN B	SIMULTANEOUS FAST FREQUENCY CONTROL AND POWER OSCILLATION DAMPING BY UTILIZING PV SOLAR SYSTEM AS PV-STATCOM	Dr.B.Kunjithapatham
51	1801PS2858	KANAGARAJ K	OPTIMAL ELECTRIC SPRING ALLOCATION FOR RISK LIMITING VOLTAGE REGULATION IN DISTRIBUTION SYSTEM	Mr.M.Arunkumar
52	1801PS2859	R. PREMILLA	CONDITION MONITORING OF HIGH POWER DC FEEDER WITH MULTIPLE PARALLEL CABLES	Dr.S.A.Ahamed Ibrahim
53	1801PS2860	N.VASANTHAPRIYA	SINGLE-ENDED TRAVELING WAVE FAULT LOCATION METHOD IN DC TRANSMISSION LNE BASED ON WAVE FRONT INFORMATION	Dr.B.Kunjithapatham