

ACADEMIC LIVE PROJECTS 2022-23

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G R O U P

ELECTRICAL

- ✓ Power Systems
- ✓ Power Electronics
- ✓ Electrical Drives
- ✓ Control Systems
- ✓ Hardware & more

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S.No	Project Code	Project Name	Objective
1	TEMAPS703	Optimal Energy Management Scheme of Battery Supercapacitor-Based Bidirectional Converter for DC Microgrid Applications (Power Systems / Microgrids)	The main objective of this project is to propose a optimal Energy Management Scheme of Battery Supercapacitor-Based Bidirectional Converter for DC Microgrid Applications
2	TEPGPS702	Optimal Energy Management Scheme of Battery Supercapacitor-Based Bidirectional Converter for DC Microgrid Applications (Power Systems / Microgrids)	The main objective of this project is to propose a optimal Energy Management Scheme of Battery Supercapacitor-Based Bidirectional Converter for DC Microgrid Applications
3	TEMAED179	A High Efficiency Modular EV Charger Using Bridgeless and Resonant Converters (Electrical Drives / Electrical Vehicles)	The main objective of this project is to charge the Electric Vehicle by using bridgeless and Resonant Converters.
4	TEPGED173	A High Efficiency Modular EV Charger Using Bridgeless and Resonant Converters (Electrical Drives / Electrical Vehicles)	The main objective of this project is to charge the Electric Vehicle by using bridgeless and Resonant Converters.
5	TEMAPS694	Analysis of the Capacitor-Less D-STATCOM for Voltage Profile Improvement in Distribution Network with High PV Penetration (Power Systems / Distribution Systems)	The main objective of this project is to improve the voltage profile in distribution network by using capacitor less D-STATCOM.
6	TEMAPS695	Analysis of the Capacitor-Less D-STATCOM for Voltage Profile Improvement in Distribution Network with High PV Penetration (Power Systems / Power Quality)	The main objective of this project is to improve the voltage profile in distribution network by using capacitor less D-STATCOM.
7	TEMAPS696	Analysis of the Capacitor-Less D-STATCOM for Voltage Profile Improvement in Distribution Network with High PV Penetration (Power Systems / Solar Power Generation)	The main objective of this project is to improve the voltage profile in distribution network by using capacitor less D-STATCOM.
8	TEPGPS693	Analysis of the Capacitor-Less D-STATCOM for Voltage Profile Improvement in Distribution Network with High PV Penetration (Power Systems / Distribution Systems)	The main objective of this project is to improve the voltage profile in distribution network by using capacitor less D-STATCOM.
9	TEPGPS694	Analysis of the Capacitor-Less D-STATCOM for Voltage Profile Improvement in Distribution Network with High PV Penetration (Power Systems / Power Quality)	The main objective of this project is to improve the voltage profile in distribution network by using capacitor less D-STATCOM.
10	TEPGPS695	Analysis of the Capacitor-Less D-STATCOM for Voltage Profile Improvement in Distribution Network with High PV Penetration (Power Systems / Solar Power Generation)	The main objective of this project is to improve the voltage profile in distribution network by using capacitor less D-STATCOM.
11	TEMAPS693	A New Model Predictive Current Control Strategy for Hybrid Energy Storage System Considering the SOC of the Supercapacitor (Power Systems / Hybrid Systems)	The main objective of this project is to propose a new model predictive current control strategy for HESS by considering the SOC of the

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S.No	Project Code	Project Name	Objective
			supercapacitor.
12	TEPGPS692	A New Model Predictive Current Control Strategy for Hybrid Energy Storage System Considering the SOC of the Supercapacitor (Power Systems / Hybrid Systems)	The main objective of this project is to propose a new model predictive current control strategy for HESS by considering the SOC of the supercapacitor.
13	TEMAPS691	A Single-phase Transformerless Common-ground Type PV Inverter with Active Power Decoupling (Power Systems / Microgrids)	The main objective of this project is to propose a single-phase transformerless common-ground type PV inverter with active power decoupling to overcome the problems of leakage current and power quality related issues.
14	TEMAPS692	A Single-phase Transformerless Common-ground Type PV Inverter with Active Power Decoupling (Power Systems / Solar Power Generation)	The main objective of this project is to propose a single-phase transformerless common-ground type PV inverter with active power decoupling to overcome the problems of leakage current and power quality related issues.
15	TEPGPS690	A Single-phase Transformerless Common-ground Type PV Inverter with Active Power Decoupling (Power Systems / Microgrids)	The main objective of this project is to propose a single-phase transformerless common-ground type PV inverter with active power decoupling to overcome the problems of leakage current and power quality related issues.
16	TEPGPS691	A Single-phase Transformerless Common-ground Type PV Inverter with Active Power Decoupling (Power Systems / Solar Power Generation)	The main objective of this project is to propose a single-phase transformerless common-ground type PV inverter with active power decoupling to overcome the problems of leakage current and power quality related issues.
17	TEMAPS599	Sliding Mode Control for Grid Integration of Wind Power System Based on Direct Drive PMSG (Power Systems / Wind Power Generation)	The main objective of the proposed method is to provide the dynamic performance during low/high voltage conditions.
18	TEMACS64	Sliding Mode Control for Grid Integration of Wind Power System Based on Direct Drive PMSG (Control Systems)	The main objective of the proposed method is to provide the dynamic performance during low/high voltage conditions.
19	TEPGPS562	Sliding Mode Control for Grid Integration of Wind Power System Based on Direct Drive PMSG (Power Systems / Wind Power Generation)	The main objective of the proposed method is to provide the dynamic performance during low/high voltage conditions.
20	TEPGCS58	Sliding Mode Control for Grid Integration of	The main objective of the proposed

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S.No	Project Code	Project Name	Objective
		Wind Power System Based on Direct Drive PMSG (Control Systems)	method is to provide the dynamic performance during low/high voltage conditions.
21	TEMAPS690	Sliding Mode Control for Grid Integration of Wind Power System Based on Direct Drive PMSG (Power Systems / Power Quality)	The main objective of the proposed method is to provide the dynamic performance during low/high voltage conditions.
22	TEPGPS689	Sliding Mode Control for Grid Integration of Wind Power System Based on Direct Drive PMSG (Power Systems / Power Quality)	The main objective of the proposed method is to provide the dynamic performance during low/high voltage conditions.
23	TEMAPS688	PV Integrated Multifunctional Off-Board EV Charger with Improved Grid Power Quality (Power Systems / Power Quality)	The main objective of this project is to power the electric vehicle and improve the power quality by using Adaptive Notch Filter based efficient control algorithm.
24	TEMAPS689	PV Integrated Multifunctional Off-Board EV Charger with Improved Grid Power Quality (Power Systems / Solar Power Generation)	The main objective of this project is to power the electric vehicle and improve the power quality by using Adaptive Notch Filter based efficient control algorithm.
25	TEPGPS687	PV Integrated Multifunctional Off-Board EV Charger with Improved Grid Power Quality (Power Systems / Power Quality)	The main objective of this project is to power the electric vehicle and improve the power quality by using Adaptive Notch Filter based efficient control algorithm.
26	TEPGPS688	PV Integrated Multifunctional Off-Board EV Charger with Improved Grid Power Quality (Power Systems / Solar Power Generation)	The main objective of this project is to power the electric vehicle and improve the power quality by using Adaptive Notch Filter based efficient control algorithm.
27	TEMAED175	PV Integrated Multifunctional Off-Board EV Charger with Improved Grid Power Quality (Electrical Drives / Electrical Vehicles)	The main objective of this project is to power the electric vehicle and improve the power quality by using Adaptive Notch Filter based efficient control algorithm.
28	TEPGED169	PV Integrated Multifunctional Off-Board EV Charger with Improved Grid Power Quality (Electrical Drives / Electrical Vehicles)	The main objective of this project is to power the electric vehicle and improve the power quality by using Adaptive Notch Filter based efficient control algorithm.
29	TEMAPS686	Novel Compensation Methods Using Energy Storage System (ESS) in Islanded Unbalanced Single-Three-Phase Multimicrogrids (Power Systems / Microgrids)	The main objective of this project is to reduce power quality issues by integrating single phase microgrids and unbalanced loads to three phase MGs.

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S.No	Project Code	Project Name	Objective
30	TEMAPS687	Novel Compensation Methods Using Energy Storage System (ESS) in Islanded Unbalanced Single-Three-Phase Multimicrogrids (Power Systems / Power Quality)	The main objective of this project is to reduce power quality issues by integrating single phase microgrids and unbalanced loads to three phase MGs.
31	TEPGPS685	Novel Compensation Methods Using Energy Storage System (ESS) in Islanded Unbalanced Single-Three-Phase Multimicrogrids (Power Systems / Microgrids)	The main objective of this project is to reduce power quality issues by integrating single phase microgrids and unbalanced loads to three phase MGs.
32	TEPGPS686	Novel Compensation Methods Using Energy Storage System (ESS) in Islanded Unbalanced Single-Three-Phase Multimicrogrids (Power Systems / Power Quality)	The main objective of this project is to reduce power quality issues by integrating single phase microgrids and unbalanced loads to three phase MGs.
33	TEMAPS685	Nonlinear Control Design and Stability Analysis of Single Phase Half Bridge Interleaved Buck Shunt Active Power Filter (Power Systems / Power Quality)	The main objective of this project is to control, design and analyze the stability of the single phase half bridge interleaved buck shunt active power filter.
34	TEPGPS684	Nonlinear Control Design and Stability Analysis of Single Phase Half Bridge Interleaved Buck Shunt Active Power Filter (Power Systems / Power Quality)	The main objective of this project is to control, design and analyze the stability of the single phase half bridge interleaved buck shunt active power filter.
35	TEMAPS682	Enhanced Control of DFIG Based Wind Energy Conversion System under Unbalanced Grid Voltages Using Mixed Generalized Integrator (Power Systems / Hybrid Systems)	The main objective of this project is to propose an enhanced control strategy for a DFIG operating under unbalanced grid voltages by using a mixed generalized integrator.
36	TEMAPS683	Enhanced Control of DFIG Based Wind Energy Conversion System under Unbalanced Grid Voltages Using Mixed Generalized Integrator (Power Systems / Power Quality)	The main objective of this project is to propose an enhanced control strategy for a DFIG operating under unbalanced grid voltages by using a mixed generalized integrator.
37	TEMAPS684	Enhanced Control of DFIG Based Wind Energy Conversion System under Unbalanced Grid Voltages Using Mixed Generalized Integrator (Power Systems / Wind Power Generation)	The main objective of this project is to propose an enhanced control strategy for a DFIG operating under unbalanced grid voltages by using a mixed generalized integrator.
38	TEPGPS681	Enhanced Control of DFIG Based Wind Energy Conversion System under Unbalanced Grid Voltages Using Mixed Generalized Integrator (Power Systems / Hybrid Systems)	The main objective of this project is to propose an enhanced control strategy for a DFIG operating under unbalanced grid voltages by using a mixed generalized integrator.
39	TEPGPS682	Enhanced Control of DFIG Based Wind Energy Conversion System under Unbalanced Grid	The main objective of this project is to propose an enhanced control

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S.No	Project Code	Project Name	Objective
		Voltages Using Mixed Generalized Integrator (Power Systems / Power Quality)	strategy for a DFIG operating under unbalanced grid voltages by using a mixed generalized integrator.
40	TEPGPS683	Enhanced Control of DFIG Based Wind Energy Conversion System under Unbalanced Grid Voltages Using Mixed Generalized Integrator (Power Systems / Wind Power Generation)	The main objective of this project is to propose an enhanced control strategy for a DFIG operating under unbalanced grid voltages by using a mixed generalized integrator.
41	TEMAPS680	Control of Solar PV Arrays Based Microgrid Intertied to a 3-Phase 4-Wire Distribution Network (Power Systems / Microgrids)	The main objective of this project is to control the solar PV array based microgrid intertied to a 3-phase 4-wire distribution network
42	TEMAPS681	Control of Solar PV Arrays Based Microgrid Intertied to a 3-Phase 4-Wire Distribution Network (Power Systems / Power Quality)	The main objective of this project is to control the solar PV array based microgrid intertied to a 3-phase 4-wire distribution network
43	TEPGPS679	Control of Solar PV Arrays Based Microgrid Intertied to a 3-Phase 4-Wire Distribution Network (Power Systems / Microgrids)	The main objective of this project is to control the solar PV array based microgrid intertied to a 3-phase 4-wire distribution network
44	TEPGPS680	Control of Solar PV Arrays Based Microgrid Intertied to a 3-Phase 4-Wire Distribution Network (Power Systems / Power Quality)	The main objective of this project is to control the solar PV array based microgrid intertied to a 3-phase 4-wire distribution network
45	TEMAPS678	Control of Single-Phase Distributed PV-Battery Microgrid for Smooth Mode Transition with Improved Power Quality (Power Systems / Microgrids)	The main objective of this project is to enhance the reliability and accessibility of electricity in remote areas by using multiple parallel photovoltaic inverters based microgrid.
46	TEMAPS679	Control of Single-Phase Distributed PV-Battery Microgrid for Smooth Mode Transition with Improved Power Quality (Power Systems / Power Quality)	The main objective of this project is to enhance the reliability and accessibility of electricity in remote areas by using multiple parallel photovoltaic inverters based microgrid.
47	TEPGPS677	Control of Single-Phase Distributed PV-Battery Microgrid for Smooth Mode Transition with Improved Power Quality (Power Systems / Microgrids)	The main objective of this project is to enhance the reliability and accessibility of electricity in remote areas by using multiple parallel photovoltaic inverters based microgrid.
48	TEPGPS678	Control of Single-Phase Distributed PV-Battery Microgrid for Smooth Mode Transition with Improved Power Quality (Power Systems / Power Quality)	The main objective of this project is to enhance the reliability and accessibility of electricity in remote areas by using multiple parallel photovoltaic inverters based

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			microgrid.
49	TEMAPS677	A Unified Control of Grid-Interactive Off-Board EV Battery Charger with Improved Power Quality (Power Systems / Power Quality)	The main objective of this project is to design a multifunctional EV charging infrastructure with G2V, V2G, C4G, and V2L operation modes by using STF and SMC-DLVC based control algorithm.
50	TEPGPS676	A Unified Control of Grid-Interactive Off-Board EV Battery Charger with Improved Power Quality (Power Systems / Power Quality)	The main objective of this project is to design a multifunctional EV charging infrastructure with G2V, V2G, C4G, and V2L operation modes by using STF and SMC-DLVC based control algorithm.
51	TEMAED174	A Unified Control of Grid-Interactive Off-Board EV Battery Charger with Improved Power Quality (Electrical Drives / Electrical Vehicles)	The main objective of this project is to design a multifunctional EV charging infrastructure with G2V, V2G, C4G, and V2L operation modes by using STF and SMC-DLVC based control algorithm.
52	TEPGED168	A Unified Control of Grid-Interactive Off-Board EV Battery Charger with Improved Power Quality (Electrical Drives / Electrical Vehicles)	The main objective of this project is to design a multifunctional EV charging infrastructure with G2V, V2G, C4G, and V2L operation modes by using STF and SMC-DLVC based control algorithm.
53	TEMACS92	Performance Improvement of Weak Grid-connected Wind Energy System Using FLSRF Controlled DSTATCOM (Control Systems)	The main objective is to mitigate the challenges associated with wind power penetration in the remotely located grid in the presence of unbalanced linear and non-linear loads Using FLSRF Controlled DSTATCOM.
54	TEPGCS86	Performance Improvement of Weak Grid-connected Wind Energy System Using FLSRF Controlled DSTATCOM (Control Systems)	The main objective is to mitigate the challenges associated with wind power penetration in the remotely located grid in the presence of unbalanced linear and non-linear loads Using FLSRF Controlled DSTATCOM.
55	TEMAPS650	Performance Improvement of Weak Grid-connected Wind Energy System Using FLSRF Controlled DSTATCOM (Power Systems / Wind Power Generation)	The main objective is to mitigate the challenges associated with wind power penetration in the remotely located grid in the presence of unbalanced linear and non-linear loads Using FLSRF Controlled DSTATCOM.
56 (Page 6)	TEPGPS613	Performance Improvement of Weak Grid-connected Wind Energy System Using	The main objective is to mitigate the challenges associated with wind Email: info@takeoffprojects.com

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		FLSRF Controlled DSTATCOM (Power Systems / Wind Power Generation)	power penetration in the remotely located grid in the presence of unbalanced linear and non-linear loads Using FLSRF Controlled DSTATCOM.
57	TEMAPS651	Performance Improvement of Weak Grid-connected Wind Energy System Using FLSRF Controlled DSTATCOM (Power Systems / Power Quality)	The main objective is to mitigate the challenges associated with wind power penetration in the remotely located grid in the presence of unbalanced linear and non-linear loads Using FLSRF Controlled DSTATCOM.
58	TEPGPS614	Performance Improvement of Weak Grid-connected Wind Energy System Using FLSRF Controlled DSTATCOM (Power Systems / Power Quality)	The main objective is to mitigate the challenges associated with wind power penetration in the remotely located grid in the presence of unbalanced linear and non-linear loads Using FLSRF Controlled DSTATCOM.
59	TEMACS91	Performance Assessment of Three Phase NPC Based Grid Integrated Single Stage Solar PV System with Reduced DC-bus Capacitor (Control Systems)	The main objective this paper is to reduce the fluctuations in the DC-bus voltage under the change in solar insolation level and provides appropriate voltage balancing for Three Phase NPC Based Grid Integrated Single Stage Solar PV System.
60	TEPGCS85	Performance Assessment of Three Phase NPC Based Grid Integrated Single Stage Solar PV System with Reduced DC-bus Capacitor (Control Systems)	The main objective this paper is to reduce the fluctuations in the DC-bus voltage under the change in solar insolation level and provides appropriate voltage balancing for Three Phase NPC Based Grid Integrated Single Stage Solar PV System.
61	TEMAPE236	Performance Assessment of Three Phase NPC Based Grid Integrated Single Stage Solar PV System with Reduced DC-bus Capacitor (Power Electronics / Multilevel Converters)	The main objective this paper is to reduce the fluctuations in the DC-bus voltage under the change in solar insolation level and provides appropriate voltage balancing for Three Phase NPC Based Grid Integrated Single Stage Solar PV System.
62	TEPGPE208	Performance Assessment of Three Phase NPC Based Grid Integrated Single Stage Solar PV System with Reduced DC-bus Capacitor (Power Electronics / Multilevel Converters)	The main objective this paper is to reduce the fluctuations in the DC-bus voltage under the change in solar insolation level and provides appropriate voltage balancing for Three Phase NPC Based Grid Integrated Single Stage Solar PV System.

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S.No	Project Code	Project Name	Objective
			System.
63	TEMAPS649	Performance Assessment of Three Phase NPC Based Grid Integrated Single Stage Solar PV System with Reduced DC-bus Capacitor (Power Systems / Solar Power Generation)	The main objective this paper is to reduce the fluctuations in the DC-bus voltage under the change in solar insolation level and provides appropriate voltage balancing for Three Phase NPC Based Grid Integrated Single Stage Solar PV System.
64	TEPGPS612	Performance Assessment of Three Phase NPC Based Grid Integrated Single Stage Solar PV System with Reduced DC-bus Capacitor (Power Systems / Solar Power Generation)	The main objective this paper is to reduce the fluctuations in the DC-bus voltage under the change in solar insolation level and provides appropriate voltage balancing for Three Phase NPC Based Grid Integrated Single Stage Solar PV System.
65	TEMACS90	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid (Control Systems)	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
66	TEPGCS84	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid (Control Systems)	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
67	TEMAPS646	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid (Power Systems / Hybrid Systems)	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
68	TEMAPS647	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid (Power Systems / Wind Power Generation)	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
69	TEMAPS648	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement

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S.No	Project Code	Project Name	Objective
		(Power Systems / Solar Power Generation)	in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
70	TEPGPS609	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid (Power Systems / Hybrid Systems)	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
71	TEPGPS610	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid (Power Systems / Wind Power Generation)	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
72	TEPGPS611	Multi-Objective Control Strategy for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid (Power Systems / Solar Power Generation)	The main object of this project is to provide better dynamic response during sudden system variations and for Power Quality Improvement in Wind-Solar Distributed Generation System under Harmonically Distorted Grid.
73	TEMACS89	Multilevel Converter With Nearest Level Control for Integrating Solar Photovoltaic System (Control Systems)	The main objective of this project is Implementation of solar multilevel converter based solar photovoltaic system for medium voltage applications with nearest level control.
74	TEPGCS83	Multilevel Converter With Nearest Level Control for Integrating Solar Photovoltaic System (Control Systems)	The main objective of this project is Implementation of solar multilevel converter based solar photovoltaic system for medium voltage applications with nearest level control.
75	TEMAPE235	Multilevel Converter With Nearest Level Control for Integrating Solar Photovoltaic System (Power Electronics / Multilevel Converters)	The main objective of this project is Implementation of solar multilevel converter based solar photovoltaic system for medium voltage applications with nearest level control.
76	TEPGPE207	Multilevel Converter With Nearest Level Control for Integrating Solar Photovoltaic System (Power Electronics / Multilevel Converters)	The main objective of this project is Implementation of solar multilevel converter based solar photovoltaic system for medium voltage applications with nearest level control.

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S.No	Project Code	Project Name	Objective
77	TEMAPS645	Multilevel Converter With Nearest Level Control for Integrating Solar Photovoltaic System (Power Systems / Solar Power Generation)	The main objective of this project is Implementation of solar multilevel converter based solar photovoltaic system for medium voltage applications with nearest level control.
78	TEPGPS608	Multilevel Converter With Nearest Level Control for Integrating Solar Photovoltaic System (Power Systems / Solar Power Generation)	The main objective of this project is Implementation of solar multilevel converter based solar photovoltaic system for medium voltage applications with nearest level control.
79	TEMACS88	Mitigation of Sub synchronous Resonance for Grid-Connected Inverters in Series-Compensated Weak Power Grids Through Observed Q-Axis Grid Voltage Feedback (Control Systems)	The main objective of this project is the Performance improvement of weak power grid by using series compensators with Q-axis grid voltage feedback
80	TEPGCS82	Mitigation of Sub synchronous Resonance for Grid-Connected Inverters in Series-Compensated Weak Power Grids Through Observed Q-Axis Grid Voltage Feedback (Control Systems)	The main objective of this project is the Performance improvement of weak power grid by using series compensators with Q-axis grid voltage feedback
81	TEMAPS644	Mitigation of Sub synchronous Resonance for Grid-Connected Inverters in Series-Compensated Weak Power Grids Through Observed Q-Axis Grid Voltage Feedback (Power Systems / Microgrids)	The main objective of this project is the Performance improvement of weak power grid by using series compensators with Q-axis grid voltage feedback
82	TEPGPS607	Mitigation of Sub synchronous Resonance for Grid-Connected Inverters in Series-Compensated Weak Power Grids Through Observed Q-Axis Grid Voltage Feedback (Power Systems / Microgrids)	The main objective of this project is the Performance improvement of weak power grid by using series compensators with Q-axis grid voltage feedback
83	TEMAPE234	Mitigation of Sub synchronous Resonance for Grid-Connected Inverters in Series-Compensated Weak Power Grids Through Observed Q-Axis Grid Voltage Feedback (Power Electronics / DC - AC Converters)	The main objective of this project is the Performance improvement of weak power grid by using series compensators with Q-axis grid voltage feedback
84	TEPGPE206	Mitigation of Sub synchronous Resonance for Grid-Connected Inverters in Series-Compensated Weak Power Grids Through Observed Q-Axis Grid Voltage Feedback (Power Electronics / DC - AC Converters)	The main objective of this project is the Performance improvement of weak power grid by using series compensators with Q-axis grid voltage feedback

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S.No	Project Code	Project Name	Objective
85	TEMACS87	Impacts of Phase-Locked Loop Dynamic on the Stability of DC-Link Voltage Control in Voltage Source Converter Integrated to Weak Grid (Control Systems)	The main objective of the proposed method is to maintain dynamic stability of dc-link voltage Control in Voltage Source Converter Integrated to Weak Grid
86	TEPGCS81	Impacts of Phase-Locked Loop Dynamic on the Stability of DC-Link Voltage Control in Voltage Source Converter Integrated to Weak Grid (Control Systems)	The main objective of the proposed method is to maintain dynamic stability of dc-link voltage Control in Voltage Source Converter Integrated to Weak Grid
87	TEMAPS643	Impacts of Phase-Locked Loop Dynamic on the Stability of DC-Link Voltage Control in Voltage Source Converter Integrated to Weak Grid (Power Systems / Microgrids)	The main objective of the proposed method is to maintain dynamic stability of dc-link voltage Control in Voltage Source Converter Integrated to Weak Grid
88	TEPGPS606	Impacts of Phase-Locked Loop Dynamic on the Stability of DC-Link Voltage Control in Voltage Source Converter Integrated to Weak Grid (Power Systems / Microgrids)	The main objective of the proposed method is to maintain dynamic stability of dc-link voltage Control in Voltage Source Converter Integrated to Weak Grid
89	TEMAPE233	Impacts of Phase-Locked Loop Dynamic on the Stability of DC-Link Voltage Control in Voltage Source Converter Integrated to Weak Grid (Power Electronics / DC - AC Converters)	The main objective of the proposed method is to maintain dynamic stability of dc-link voltage Control in Voltage Source Converter Integrated to Weak Grid
90	TEPGPE205	Impacts of Phase-Locked Loop Dynamic on the Stability of DC-Link Voltage Control in Voltage Source Converter Integrated to Weak Grid (Power Electronics / DC - AC Converters)	The main objective of the proposed method is to maintain dynamic stability of dc-link voltage Control in Voltage Source Converter Integrated to Weak Grid
91	TEMACS86	Impact of DC-Bus Voltage Control on Synchronization Stability of Grid-Tied Inverters (Control Systems)	The main objective of the proposed system is to eliminate the inaccuracies and increase the steady-state and transient stability of Grid-Tied Inverters
92	TEPGCS80	Impact of DC-Bus Voltage Control on Synchronization Stability of Grid-Tied Inverters (Control Systems)	The main objective of the proposed system is to eliminate the inaccuracies and increase the steady-state and transient stability of Grid-Tied Inverters
93	TEMAPS642	Impact of DC-Bus Voltage Control on Synchronization Stability of Grid-Tied Inverters (Power Systems / Microgrids)	The main objective of the proposed system is to eliminate the inaccuracies and increase the steady-state and transient stability of Grid-Tied Inverters
94	TEPGPS605	Impact of DC-Bus Voltage Control on Synchronization Stability of Grid-Tied Inverters	The main objective of the proposed system is to eliminate the

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		(Power Systems / Microgrids)	inaccuracies and increase the steady-state and transient stability of Grid-Tied Inverters
95	TEMAPS674	A PV-Battery System Resilient to Weak Grid Conditions with Regulated Power Injection and Grid Supportive Features (Power Systems / Power Quality)	The main objective of this project is to improve the power quality in the grid connected PV battery system during weak grid conditions.
96	TEMAPS675	A PV-Battery System Resilient to Weak Grid Conditions with Regulated Power Injection and Grid Supportive Features (Power Systems / Power Quality)	The main objective of this project is to improve the power quality in the grid connected PV battery system during weak grid conditions.
97	TEMAPS676	A PV-Battery System Resilient to Weak Grid Conditions with Regulated Power Injection and Grid Supportive Features (Power Systems / Microgrids)	The main objective of this project is to improve the power quality in the grid connected PV battery system during weak grid conditions.
98	TEPGPS675	A PV-Battery System Resilient to Weak Grid Conditions with Regulated Power Injection and Grid Supportive Features (Power Systems / Microgrids)	The main objective of this project is to improve the power quality in the grid connected PV battery system during weak grid conditions.
99	TEMAPS673	A Compact Single-Phase AC-DC Wireless-Power-Transfer Converter with Active Power Factor Correction (Power Systems / Power Quality)	The main objective of this project is to propose a compact single phase ac-dc converter WPT with active power factor correction.
100	TEPGPS636	A Compact Single-Phase AC-DC Wireless-Power-Transfer Converter with Active Power Factor Correction (Power Systems / Power Quality)	The main objective of this project is to propose a compact single phase ac-dc converter WPT with active power factor correction.
101	TEMAPS672	Power Compensation Control for DFIG-Based Wind Turbines to Enhance Synchronization Stability during Severe Grid Faults (Power Systems / Wind Power Generation)	The main objective of this project is to enhance the synchronization stability and compensate the power control in DFIG based WTs during fault condition.
102	TEPGPS635	Power Compensation Control for DFIG-Based Wind Turbines to Enhance Synchronization Stability during Severe Grid Faults (Power Systems / Wind Power Generation)	The main objective of this project is to enhance the synchronization stability and compensate the power control in DFIG based WTs during fault condition.
103	TEMAPS670	Adaptive Power Compensation-Based Frequency Regulation Strategy of Wind Turbine System (Power Systems / Power Quality)	The main objective of this project is to regulate the frequency in wind turbine system by using adaptive power compensation strategy.
104	TEMAPS671	Adaptive Power Compensation-Based Frequency Regulation Strategy of Wind Turbine System (Power Systems / Wind Power Generation)	The main objective of this project is to regulate the frequency in wind turbine system by using adaptive power compensation strategy.
105	TEPGPS633	Adaptive Power Compensation-Based	The main objective of this project is

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S.No	Project Code	Project Name	Objective
		Frequency Regulation Strategy of Wind Turbine System (Power Systems / Power Quality)	to regulate the frequency in wind turbine system by using adaptive power compensation strategy.
106	TEPGPS634	Adaptive Power Compensation-Based Frequency Regulation Strategy of Wind Turbine System (Power Systems / Wind Power Generation)	The main objective of this project is to regulate the frequency in wind turbine system by using adaptive power compensation strategy.
107	TEMAPE249	Mitigation of Circulating Current in Three Phase Quasi-Z-Source Parallel Inverters with PV and Battery Storage (Power Electronics / DC - AC Converters)	The main objective of this project is to mitigate the circulating currents occurred in the three phase quasi-Z-Source parallel inverters.
108	TEPGPE221	Mitigation of Circulating Current in Three Phase Quasi-Z-Source Parallel Inverters with PV and Battery Storage (Power Electronics / DC - AC Converters)	The main objective of this project is to mitigate the circulating currents occurred in the three phase quasi-Z-Source parallel inverters.
109	TEMAPS669	Mitigation of Circulating Current in Three Phase Quasi-Z-Source Parallel Inverters with PV and Battery Storage (Power Systems / Solar Power Generation)	The main objective of this project is to mitigate the circulating currents occurred in the three phase quasi-Z-Source parallel inverters.
110	TEPGPS632	Mitigation of Circulating Current in Three Phase Quasi-Z-Source Parallel Inverters with PV and Battery Storage (Power Systems / Solar Power Generation)	The main objective of this project is to mitigate the circulating currents occurred in the three phase quasi-Z-Source parallel inverters.
111	TEMAPS668	Analysis and Control of Switched Quasi-Impedance-Source-Inverter with Superior Boosting Ability for Renewable Energy Applications (Power Systems / Solar Power Generation)	The main objective of this project is to improve the input current ripple with enhanced boosting ability and appropriate control of the impedance network active switch.
112	TEPGPS631	Analysis and Control of Switched Quasi-Impedance-Source-Inverter with Superior Boosting Ability for Renewable Energy Applications (Power Systems / Solar Power Generation)	The main objective of this project is to improve the input current ripple with enhanced boosting ability and appropriate control of the impedance network active switch.
113	TEMAPS667	Model Predictive Control for Grid-Tied Multi-Port System with Integrated PV and Battery Storage (Power Systems / Microgrids)	The main objective of this project is to control the grid-tied multiport system with integrated PV and battery storage by using Model Predictive Controller.
114	TEPGPS630	Model Predictive Control for Grid-Tied Multi-Port System with Integrated PV and Battery Storage (Power Systems / Microgrids)	The main objective of this project is to control the grid-tied multiport system with integrated PV and battery storage by using Model Predictive Controller.
115	TEMAPE248	Model Predictive Control for Grid-Tied Multi-Port System with Integrated PV and Battery Storage	The main objective of this project is to control the grid-tied multiport system with integrated PV and

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S.No	Project Code	Project Name	Objective
		(Power Electronics / Multilevel Converters)	battery storage by using Model Predictive Controller.
116	TEPGPE220	Model Predictive Control for Grid-Tied Multi-Port System with Integrated PV and Battery Storage (Power Electronics / Multilevel Converters)	The main objective of this project is to control the grid-tied multiport system with integrated PV and battery storage by using Model Predictive Controller.
117	TEMAPE247	A Soft-Switched Power-Factor-Corrected Single-Phase Bidirectional AC–DC Wireless Power Transfer Converter with an Integrated Power Stage (Power Electronics / DC - AC Converters)	The main objective of this project is to reduce the semiconductor devices count and increase the power quality in the system by using a soft-switched single-phase single-stage bidirectional ac–dc WPT converter.
118	TEPGPE219	A Soft-Switched Power-Factor-Corrected Single-Phase Bidirectional AC–DC Wireless Power Transfer Converter with an Integrated Power Stage (Power Electronics / DC - AC Converters)	The main objective of this project is to reduce the semiconductor devices count and increase the power quality in the system by using a soft-switched single-phase single-stage bidirectional ac–dc WPT converter.
119	TEMAPE243	Coordinated Control for Performance Enhancement of an Islanded AC-DC Microgrid with Uninterrupted Power and Seamless Transition Capabilities (Power Electronics / DC - AC Converters)	The main objective of this project is to enhance the performance of an islanded AC-DC Microgrid with uninterrupted power and seamless transition capabilities.
120	TEPGPE215	Coordinated Control for Performance Enhancement of an Islanded AC-DC Microgrid with Uninterrupted Power and Seamless Transition Capabilities (Power Electronics / DC - AC Converters)	The main objective of this project is to enhance the performance of an islanded AC-DC Microgrid with uninterrupted power and seamless transition capabilities.
121	TEMAPS665	Coordinated Control for Performance Enhancement of an Islanded AC-DC Microgrid with Uninterrupted Power and Seamless Transition Capabilities (Power Systems / Power Quality)	The main objective of this project is to enhance the performance of an islanded AC-DC Microgrid with uninterrupted power and seamless transition capabilities.
122	TEPGPS628	Coordinated Control for Performance Enhancement of an Islanded AC-DC Microgrid with Uninterrupted Power and Seamless Transition Capabilities (Power Systems / Power Quality)	The main objective of this project is to enhance the performance of an islanded AC-DC Microgrid with uninterrupted power and seamless transition capabilities.
123	TEMAPE245	Novel Cascaded Seven-Level Inverter with Embedded Voltage Boosting for Renewable Energy Applications (Power Electronics / Multilevel Converters)	The main objective of this project is to propose a novel seven-level inverter with voltage boosting capability for renewable energy applications.
124	TEMAPE246	Novel Cascaded Seven-Level Inverter with	The main objective of this project is

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S.No	Project Code	Project Name	Objective
		Embedded Voltage Boosting for Renewable Energy Applications (Power Electronics / DC - AC Converters)	to propose a novel seven-level inverter with voltage boosting capability for renewable energy applications.
125	TEPGPE217	Novel Cascaded Seven-Level Inverter with Embedded Voltage Boosting for Renewable Energy Applications (Power Electronics / Multilevel Converters)	The main objective of this project is to propose a novel seven-level inverter with voltage boosting capability for renewable energy applications.
126	TEPGPE218	Novel Cascaded Seven-Level Inverter with Embedded Voltage Boosting for Renewable Energy Applications (Power Electronics / DC - AC Converters)	The main objective of this project is to propose a novel seven-level inverter with voltage boosting capability for renewable energy applications.
127	TEMAPE244	A Two-stage Single-phase Grid-connected Solar-PV System with Simplified Power Regulation (Power Electronics / DC - AC Converters)	The main objective of this project is to regulate the power in a two stage single phase grid connected solar PV system with MPP estimation.
128	TEPGPE216	A Two-stage Single-phase Grid-connected Solar-PV System with Simplified Power Regulation (Power Electronics / DC - AC Converters)	The main objective of this project is to regulate the power in a two stage single phase grid connected solar PV system with MPP estimation.
129	TEMAPS666	A Two-stage Single-phase Grid-connected Solar-PV System with Simplified Power Regulation (Power Systems / Solar Power Generation)	The main objective of this project is to regulate the power in a two stage single phase grid connected solar PV system with MPP estimation.
130	TEPGPS629	A Two-stage Single-phase Grid-connected Solar-PV System with Simplified Power Regulation (Power Systems / Solar Power Generation)	The main objective of this project is to regulate the power in a two stage single phase grid connected solar PV system with MPP estimation.
131	TEMAPE242	Voltage-Fed Isolated Matrix-Type AC-DC Converter for Wind Energy Conversion System (Power Electronics / DC - AC Converters)	The main objective of this project is to propose a voltage fed isolated matrix-type AC/DC converter for WECS.
132	TEPGPE214	Voltage-Fed Isolated Matrix-Type AC-DC Converter for Wind Energy Conversion System (Power Electronics / DC - AC Converters)	The main objective of this project is to propose a voltage fed isolated matrix-type AC/DC converter for WECS.
133	TEMAPS664	Voltage-Fed Isolated Matrix-Type AC-DC Converter for Wind Energy Conversion System (Power Systems / Wind Power Generation)	The main objective of this project is to propose a voltage fed isolated matrix-type AC/DC converter for WECS.
134	TEPGPS627	Voltage-Fed Isolated Matrix-Type AC-DC Converter for Wind Energy Conversion System (Power Systems / Wind Power Generation)	The main objective of this project is to propose a voltage fed isolated matrix-type AC/DC converter for WECS.

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S.No	Project Code	Project Name	Objective
135	TEMAPE241	Simple and Seamless PWM Scheme of Isolated Bidirectional AC–DC Converter for Reducing Voltage Spike (Power Electronics / DC - AC Converters)	The main objective of this project is to reduce the voltage spikes by using simple and seamless PWM scheme of isolated Bidirectional AC-DC Converter.
136	TEPGPE213	Simple and Seamless PWM Scheme of Isolated Bidirectional AC–DC Converter for Reducing Voltage Spike (Power Electronics / DC - AC Converters)	The main objective of this project is to reduce the voltage spikes by using simple and seamless PWM scheme of isolated Bidirectional AC-DC Converter.
137	TEMAPE240	Constant-Current and Constant-Voltage Output Using Hybrid Compensated Single-Stage Resonant Converter for Wireless-Power-Transfer (Power Electronics / DC - AC Converters)	The main objective of this project is to obtain constant voltage and constant current at the output side by using Hybrid compensated single-stage resonant converter for WPT.
138	TEPGPE212	Constant-Current and Constant-Voltage Output Using Hybrid Compensated Single-Stage Resonant Converter for Wireless-Power-Transfer (Power Electronics / DC - AC Converters)	The main objective of this project is to obtain constant voltage and constant current at the output side by using Hybrid compensated single-stage resonant converter for WPT.
139	TEMAPE239	A Single-Stage Wireless Power Transfer Converter with Hybrid Compensation Topology in AC Input (Power Electronics / DC - AC Converters)	The main objective of this project is to obtain constant voltage and current in a single stage WPT converter with Hybrid compensation topology.
140	TEPGPE211	A Single-Stage Wireless Power Transfer Converter with Hybrid Compensation Topology in AC Input (Power Electronics / DC - AC Converters)	The main objective of this project is to obtain constant voltage and current in a single stage WPT converter with Hybrid compensation topology.
141	TEMAED173	Electric-Drive-Reconstructed Onboard Charger for Solar-Powered Electric Vehicles Incorporating Six-Phase Machine (Electrical Drives / Electrical Vehicles)	The main objective of this project is to propose a novel electric-drive-reconstructed onboard charger (EDROC) for the solar-powered electric vehicle that incorporates a six-phase machine drive.
142	TEPGED167	Electric-Drive-Reconstructed Onboard Charger for Solar-Powered Electric Vehicles Incorporating Six-Phase Machine (Electrical Drives / Electrical Vehicles)	The main objective of this project is to propose a novel electric-drive-reconstructed onboard charger (EDROC) for the solar-powered electric vehicle that incorporates a six-phase machine drive.
143	TEMAED172	Effect of Fault Ride through Capability on Electric Vehicle Charging Station under Critical	The main objective of this project is to examine the impacts of voltage

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S.No	Project Code	Project Name	Objective
		Voltage Conditions (Electrical Drives / Electrical Vehicles)	disturbance on EV batteries and charging systems, and provides a fault ride-through capability (FRTC) to enhance the voltage quality.
144	TEPGED166	Effect of Fault Ride through Capability on Electric Vehicle Charging Station under Critical Voltage Conditions (Electrical Drives / Electrical Vehicles)	The main objective of this project is to examine the impacts of voltage disturbance on EV batteries and charging systems, and provides a fault ride-through capability (FRTC) to enhance the voltage quality.
145	TEMAPS663	Effect of Fault Ride through Capability on Electric Vehicle Charging Station under Critical Voltage Conditions (Power Systems / Power Quality)	The main objective of this project is to examine the impacts of voltage disturbance on EV batteries and charging systems, and provides a fault ride-through capability (FRTC) to enhance the voltage quality.
146	TEPGPS626	Effect of Fault Ride through Capability on Electric Vehicle Charging Station under Critical Voltage Conditions (Power Systems / Power Quality)	The main objective of this project is to examine the impacts of voltage disturbance on EV batteries and charging systems, and provides a fault ride-through capability (FRTC) to enhance the voltage quality.
147	TEMAED171	A Bridgeless Isolated Half-Bridge Converter Based EV Charger with Power Factor Preregulation (Electrical Drives / Electrical Vehicles)	The main objective of this project is to reduce the oscillations and improve the power quality and efficiency of the EV Charger.
148	TEPGED165	A Bridgeless Isolated Half-Bridge Converter Based EV Charger with Power Factor Preregulation (Electrical Drives / Electrical Vehicles)	The main objective of this project is to reduce the oscillations and improve the power quality and efficiency of the EV Charger.
149	TEMAPS662	A Bridgeless Isolated Half-Bridge Converter Based EV Charger with Power Factor Preregulation (Power Systems / Power Quality)	The main objective of this project is to reduce the oscillations and improve the power quality and efficiency of the EV Charger.
150	TEPGPS625	A Bridgeless Isolated Half-Bridge Converter Based EV Charger with Power Factor Preregulation (Power Systems / Power Quality)	The main objective of this project is to reduce the oscillations and improve the power quality and efficiency of the EV Charger.
151	TEMAED170	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Electrical Drives / AC Drives)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
152	TEPGED164	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Electrical Drives / AC Drives)	The main objective of this project to improve the operation and power quality of Grid Connected

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S.No	Project Code	Project Name	Objective
			PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
153	TEMAPS658	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Hybrid Systems)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
154	TEMAPS659	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Power Quality)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
155	TEMAPS660	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Wind Power Generation)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
156	TEMAPS661	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Solar Power Generation)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
157	TEPGPS621	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Hybrid Systems)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
158	TEPGPS622	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Power Quality)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
159	TEPGPS623	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Wind Power Generation)	The main objective of this project to improve the operation and power quality of Grid Connected PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
160	TEPGPS624	Operation of Grid Connected PV-Battery-Wind Driven DFIG Based System (Power Systems / Solar Power Generation)	The main objective of this project to improve the operation and power quality of Grid Connected

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S.No	Project Code	Project Name	Objective
			PV-Battery-Wind Driven DFIG Based System under different abnormal conditions.
161	TEMAED169	High Efficiency Operation of Brushless DC Motor Drive Using Optimized Harmonic Minimization Based Switching Technique (Electrical Drives / AC Drives)	The main objective of this project is to eliminate dominant current harmonics, which enables to achieve better BLDCM drive efficiency with minimized losses.
162	TEPGED163	High Efficiency Operation of Brushless DC Motor Drive Using Optimized Harmonic Minimization Based Switching Technique (Electrical Drives / AC Drives)	The main objective of this project is to eliminate dominant current harmonics, which enables to achieve better BLDCM drive efficiency with minimized losses.
163	TEMAED168	Grid Current Quality Improvement for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives (Electrical Drives / AC Drives)	The main objective of this project is, controls the grid current by regulating the rectifier current sixth harmonic for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives
164	TEPGED162	Grid Current Quality Improvement for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives (Electrical Drives / AC Drives)	The main objective of this project is, controls the grid current by regulating the rectifier current sixth harmonic for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives
165	TEMAPS657	Grid Current Quality Improvement for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives (Power Systems / Power Quality)	The main objective of this project is, controls the grid current by regulating the rectifier current sixth harmonic for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives
166	TEPGPS620	Grid Current Quality Improvement for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives (Power Systems / Power Quality)	The main objective of this project is, controls the grid current by regulating the rectifier current sixth harmonic for Three-Phase Diode Rectifier-Fed Small DC-Link Capacitance IPMSM Drives
167	TEMAED167	An Integrated Power Converter-Based Brushless DC Motor Drive System (Electrical Drives / DC Drives)	The main objective of this project is to propose an integrated power converter and controlling topology of a Brushless DC Motor Drive system.
168	TEPGED161	An Integrated Power Converter-Based Brushless DC Motor Drive System (Electrical Drives / DC Drives)	The main objective of this project is to propose an integrated power converter and controlling topology of a Brushless DC Motor Drive system.
169	TEMAPE238	An Integrated Power Converter-Based Brushless DC Motor Drive System	The main objective of this project is to propose an integrated power

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S.No	Project Code	Project Name	Objective
		(Power Electronics / DC - DC Converters)	converter and controlling topology of a Brushless DC Motor Drive system.
170	TEPGPE210	An Integrated Power Converter-Based Brushless DC Motor Drive System (Power Electronics / DC - DC Converters)	The main objective of this project is to propose an integrated power converter and controlling topology of a Brushless DC Motor Drive system.
171	TEMAED166	Gradient Detection Starting Controlled Photovoltaic Sourced BLDCM Drive without Position Sensors (Electrical Drives / AC Drives)	The main objective of this project is speed independent motion sensorless control of a solar photovoltaic fed brushless PM motor.
172	TEPGED160	Gradient Detection Starting Controlled Photovoltaic Sourced BLDCM Drive without Position Sensors (Electrical Drives / AC Drives)	The main objective of this project is speed independent motion sensorless control of a solar photovoltaic fed brushless PM motor.
173	TEMAPS656	Gradient Detection Starting Controlled Photovoltaic Sourced BLDCM Drive without Position Sensors (Power Systems / Solar Power Generation)	The main objective of this project is speed independent motion sensorless control of a solar photovoltaic fed brushless PM motor.
174	TEPGPS619	Gradient Detection Starting Controlled Photovoltaic Sourced BLDCM Drive without Position Sensors (Power Systems / Solar Power Generation)	The main objective of this project is speed independent motion sensorless control of a solar photovoltaic fed brushless PM motor.
175	TEMAED165	An Adaptive Active Disturbance Rejection Control Strategy for Speed-Sensorless Induction Motor Drives (Electrical Drives / AC Drives)	The main objective of this project is Sensorless speed control of induction motor drive by using An Adaptive Active Disturbance Rejection Control Strategy.
176	TEPGED159	An Adaptive Active Disturbance Rejection Control Strategy for Speed-Sensorless Induction Motor Drives (Electrical Drives / AC Drives)	The main objective of this project is Sensorless speed control of induction motor drive by using An Adaptive Active Disturbance Rejection Control Strategy.
177	TEMAPE237	An 18-Pulse Converter and 4-Level Cascaded Inverter Based Induction Motor Drive (Power Electronics / Multilevel Converters)	The main objective of this project is to reduce the converter losses and improve power quality performance by using an 18-pulse ac-dc and 4-level cascaded converters for a medium-voltage drive application.
178	TEPGPE209	An 18-Pulse Converter and 4-Level Cascaded Inverter Based Induction Motor Drive (Power Electronics / Multilevel Converters)	The main objective of this project is to reduce the converter losses and improve power quality performance by using an 18-pulse ac-dc and 4-level cascaded converters for a

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S.No	Project Code	Project Name	Objective
			medium-voltage drive application.
179	TEMAED164	An 18-Pulse Converter and 4-Level Cascaded Inverter Based Induction Motor Drive (Electrical Drives / AC Drives)	The main objective of this project is to reduce the converter losses and improve power quality performance by using an 18-pulse ac-dc and 4-level cascaded converters for a medium-voltage drive application.
180	TEPGED158	An 18-Pulse Converter and 4-Level Cascaded Inverter Based Induction Motor Drive (Electrical Drives / AC Drives)	The main objective of this project is to reduce the converter losses and improve power quality performance by using an 18-pulse ac-dc and 4-level cascaded converters for a medium-voltage drive application.
181	TEMAED163	A Speed Range Extension Scheme for Scalar-Controlled Open-End Winding Induction Motor Drives (Electrical Drives / AC Drives)	The main objective of this project is Speed control of open end winding induction motor drive by employing speed range extension scheme.
182	TEPGED157	A Speed Range Extension Scheme for Scalar-Controlled Open-End Winding Induction Motor Drives (Electrical Drives / AC Drives)	The main objective of this project is Speed control of open end winding induction motor drive by employing speed range extension scheme.
183	TEMACS93	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Control Systems)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
184	TEPGCS87	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Control Systems)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
185	TEMAED162	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Electrical Drives / AC Drives)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
186	TEPGED156	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Electrical Drives / AC Drives)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
187	TEMAPS652	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Hybrid Systems)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.

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S.No	Project Code	Project Name	Objective
188	TEMAPS653	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Power Quality)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
189	TEMAPS654	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Wind Power Generation)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
190	TEMAPS655	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Solar Power Generation)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
191	TEPGPS615	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Hybrid Systems)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
192	TEPGPS616	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Power Quality)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
193	TEPGPS617	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Wind Power Generation)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
194	TEPGPS618	Wind-Driven DFIG–Battery–PV-Based System with Advance DSOSF-FLL Control (Power Systems / Solar Power Generation)	The main objective is to improve the power quality of the system for Wind-Driven DFIG–Battery–PV-Based System with advance DSOSF-FLL.
195	TEMACS85	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Control Systems)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.
196	TEPGCS79	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Control Systems)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.
197	TEMAPS639	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Power Systems / Microgrids)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.

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S.No	Project Code	Project Name	Objective
198	TEMAPS640	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Power Systems / Hybrid Systems)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.
199	TEMAPS641	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Power Systems / Solar Power Generation)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.
200	TEPGPS602	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Power Systems / Microgrids)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.
201	TEPGPS603	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Power Systems / Hybrid Systems)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.
202	TEPGPS604	Hybrid-Modulation Hysteresis Scheme Based Decoupled Power Control of Grid-Connected Inverter (Power Systems / Solar Power Generation)	The main objective of this paper is to improve the system efficiency by using a new hybrid modulation based hysteresis current scheme.
203	TEMACS84	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator (Control Systems)	The main objective of the proposed system is to prevent from the overshoots during the sudden transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
204	TEPGCS78	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator (Control Systems)	The main objective of the proposed system is to prevent from the overshoots during the sudden transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
205	TEMAPS636	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator (Power Systems / Hybrid Systems)	The main objective of the proposed system is to prevent from the overshoots during the sudden transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
206	TEMAPS637	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator (Power Systems / Wind Power Generation)	The main objective of the proposed system is to prevent from the overshoots during the sudden transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
207	TEMAPS638	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator	The main objective of the proposed system is to prevent from the overshoots during the sudden

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S.No	Project Code	Project Name	Objective
		(Power Systems / Solar Power Generation)	transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
208	TEPGPS599	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator (Power Systems / Hybrid Systems)	The main objective of the proposed system is to prevent from the overshoots during the sudden transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
209	TEPGPS600	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator (Power Systems / Wind Power Generation)	The main objective of the proposed system is to prevent from the overshoots during the sudden transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
210	TEPGPS601	Coordinated Control Strategy for Hybrid OFF-Grid System Based on Variable Speed Diesel Generator (Power Systems / Solar Power Generation)	The main objective of the proposed system is to prevent from the overshoots during the sudden transition by using Hybrid OFF-Grid System Based on Variable Speed Diesel Generator
211	TEMACS83	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads (Control Systems)	The main objective of this project is provide control to a bidirectional interlinking converter in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
212	TEPGCS77	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads (Control Systems)	The main objective of this project is provide control to a bidirectional interlinking converter in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
213	TEMAPS633	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads (Power Systems / Microgrids)	The main objective of this project is provide control to a bidirectional interlinking converter in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
214	TEMAPS634	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads (Power Systems / Power Quality)	The main objective of this project is provide control to a bidirectional interlinking converter in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
215	TEMAPS635	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads	The main objective of this project is provide control to a bidirectional interlinking converter in an

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S.No	Project Code	Project Name	Objective
		(Power Systems / Solar Power Generation)	Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
216	TEPGPS596	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads (Power Systems / Microgrids)	The main objective of this project is provide control to a bidirectional interlinking converter in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
217	TEPGPS597	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads (Power Systems / Power Quality)	The main objective of this project is provide control to a bidirectional interlinking converter in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
218	TEPGPS598	Control of ILC in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads (Power Systems / Solar Power Generation)	The main objective of this project is provide control to a bidirectional interlinking converter in an Autonomous AC–DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads
219	TEMACS82	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Control Systems)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation
220	TEPGCS76	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Control Systems)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation
221	TEMAED161	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Electrical Drives / AC Drives)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation
222	TEPGED155	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Electrical Drives / AC Drives)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation

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S.No	Project Code	Project Name	Objective
223	TEMAPE232	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Power Electronics / DC - DC Converters)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation
224	TEPGPE204	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Power Electronics / DC - DC Converters)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation
225	TEMAPS632	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Power Systems / Solar Power Generation)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation
226	TEPGPS595	Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation (Power Systems / Solar Power Generation)	The main objective of this project is to achieve maximum water discharge irrespective of climatic conditions to Battery Supported Solar Water Pumping System with Adaptive Feed-Forward Current Estimation
227	TEMACS81	An MRAS Observer-Based Speed Sensorless Control Method for Dual-Cage Rotor Brushless Doubly Fed Induction Generator (Control Systems)	The main objective of this paper is to control of Dual-Cage Rotor Brushless Doubly Fed Induction Generator with MRAS observer method
228	TEPGCS75	An MRAS Observer-Based Speed Sensorless Control Method for Dual-Cage Rotor Brushless Doubly Fed Induction Generator (Control Systems)	The main objective of this paper is to control of Dual-Cage Rotor Brushless Doubly Fed Induction Generator with MRAS observer method
229	TEMAPS631	An MRAS Observer-Based Speed Sensorless Control Method for Dual-Cage Rotor Brushless Doubly Fed Induction Generator (Power Systems / Wind Power Generation)	The main objective of this paper is to control of Dual-Cage Rotor Brushless Doubly Fed Induction Generator with MRAS observer method
230	TEPGPS594	An MRAS Observer-Based Speed Sensorless Control Method for Dual-Cage Rotor Brushless Doubly Fed Induction Generator (Power Systems / Wind Power Generation)	The main objective of this paper is to control of Dual-Cage Rotor Brushless Doubly Fed Induction Generator with MRAS observer method

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S.No	Project Code	Project Name	Objective
231	TEMACS80	An Integrated Topology of Three-Port DC-DC Converter for PV-Battery Power Systems (Control Systems)	The main objective of the proposed system is to maintain load voltage during different disturbances are exhibited.
232	TEPGCS74	An Integrated Topology of Three-Port DC-DC Converter for PV-Battery Power Systems (Control Systems)	The main objective of the proposed system is to maintain load voltage during different disturbances are exhibited.
233	TEMAPE231	An Integrated Topology of Three-Port DC-DC Converter for PV-Battery Power Systems (Power Electronics / DC - DC Converters)	The main objective of the proposed system is to maintain load voltage during different disturbances are exhibited.
234	TEPGPE203	An Integrated Topology of Three-Port DC-DC Converter for PV-Battery Power Systems (Power Electronics / DC - DC Converters)	The main objective of the proposed system is to maintain load voltage during different disturbances are exhibited.
235	TEMAPS630	An Integrated Topology of Three-Port DC-DC Converter for PV-Battery Power Systems (Power Systems / Solar Power Generation)	The main objective of the proposed system is to maintain load voltage during different disturbances are exhibited.
236	TEPGPS593	An Integrated Topology of Three-Port DC-DC Converter for PV-Battery Power Systems (Power Systems / Solar Power Generation)	The main objective of the proposed system is to maintain load voltage during different disturbances are exhibited.
237	TEMACS79	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a PV-BSS-Fed UAPF for Microgrid Realization (Control Systems)	The main objective of the proposed method is to produce required switching pulses and improves the static and dynamic performance of the system.
238	TEPGCS73	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a PV-BSS-Fed UAPF for Microgrid Realization (Control Systems)	The main objective of the proposed method is to produce required switching pulses and improves the static and dynamic performance of the system.
239	TEMAPS627	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a PV-BSS-Fed UAPF for Microgrid Realization (Power Systems / Microgrids)	The main objective of the proposed method is to produce required switching pulses and improves the static and dynamic performance of the system.
240	TEMAPS628	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a PV-BSS-Fed UAPF for Microgrid Realization (Power Systems / Power Quality)	The main objective of the proposed method is to produce required switching pulses and improves the static and dynamic performance of the system.
241	TEMAPS629	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a	The main objective of the proposed method is to produce required

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S.No	Project Code	Project Name	Objective
		PV–BSS-Fed UAPF for Microgrid Realization (Power Systems / Solar Power Generation)	switching pulses and improves the static and dynamic performance of the system.
242	TEPGPS590	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a PV–BSS-Fed UAPF for Microgrid Realization (Power Systems / Microgrids)	The main objective of the proposed method is to produce required switching pulses and improves the static and dynamic performance of the system.
243	TEPGPS591	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a PV–BSS-Fed UAPF for Microgrid Realization (Power Systems / Power Quality)	The main objective of the proposed method is to produce required switching pulses and improves the static and dynamic performance of the system.
244	TEPGPS592	An Enhancement of Power Quality with Efficient Active Power Transfer Capability in a PV–BSS-Fed UAPF for Microgrid Realization (Power Systems / Solar Power Generation)	The main objective of the proposed method is to produce required switching pulses and improves the static and dynamic performance of the system.
245	TEMAPS625	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Power Systems / Power Quality)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.
246	TEMAPS626	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Power Systems / Solar Power Generation)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.
247	TEMACS78	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Control Systems)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.
248	TEMAED160	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Electrical Drives / AC Drives)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.
249	TEPGPS588	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Power Systems / Power Quality)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.

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S.No	Project Code	Project Name	Objective
250	TEPGPS589	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Power Systems / Solar Power Generation)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.
251	TEPGED154	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Electrical Drives / AC Drives)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.
252	TEPGCS72	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System with Energy Storage (Control Systems)	The main objective is, power management scheme for a grid-supported photovoltaic/battery configuration for a water pumping system employing a switched reluctance motor drive.
253	TEMACS77	Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters (Control Systems)	The main objective of this project is decouple the power flow by compensating the associated unintended active and reactive power losses flowing through the transmission line by using Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters
254	TEPGCS71	Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters (Control Systems)	The main objective of this project is decouple the power flow by compensating the associated unintended active and reactive power losses flowing through the transmission line by using Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters
255	TEMAPS624	Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters (Power Systems / Solar Power Generation)	The main objective of this project is decouple the power flow by compensating the associated unintended active and reactive power losses flowing through the transmission line by using Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters
256	TEPGPS587	Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters (Power Systems / Solar Power Generation)	The main objective of this project is decouple the power flow by compensating the associated unintended active and reactive power losses flowing through the

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S.No	Project Code	Project Name	Objective
			transmission line by using Adaptive Power Control Strategy for Smart Droop-Based Grid-Connected Inverters
257	TEMACS76	A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter (Control Systems)	The main objective of this paper is to improve the stability and power density of the system by using A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter
258	TEPGCS70	A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter (Control Systems)	The main objective of this paper is to improve the stability and power density of the system by using A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter
259	TEMAED159	A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter (Electrical Drives / AC Drives)	The main objective of this paper is to improve the stability and power density of the system by using A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter
260	TEPGED153	A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter (Electrical Drives / AC Drives)	The main objective of this paper is to improve the stability and power density of the system by using A Wireless Power Transfer Based Three-Phase PMSM Drive System with Matrix Converter
261	TEMACS75	A Variable Step Size Robust Least Mean Logarithmic Square-Based Control Scheme for Improved Power Quality of Grid-Interfaced PV System (Control Systems)	The main objective of the proposed method is to improve the Power quality (PQ) during load unbalancing as well as variable irradiation condition.
262	TEPGCS69	A Variable Step Size Robust Least Mean Logarithmic Square-Based Control Scheme for Improved Power Quality of Grid-Interfaced PV System (Control Systems)	The main objective of the proposed method is to improve the Power quality (PQ) during load unbalancing as well as variable irradiation condition.
263	TEMAPS622	A Variable Step Size Robust Least Mean Logarithmic Square-Based Control Scheme for Improved Power Quality of Grid-Interfaced PV System (Power Systems / Power Quality)	The main objective of the proposed method is to improve the Power quality (PQ) during load unbalancing as well as variable irradiation condition.
264	TEMAPS623	A Variable Step Size Robust Least Mean Logarithmic Square-Based Control Scheme for Improved Power Quality of Grid-Interfaced PV System (Power Systems / Solar Power Generation)	The main objective of the proposed method is to improve the Power quality (PQ) during load unbalancing as well as variable irradiation condition.

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S.No	Project Code	Project Name	Objective
265	TEPGPS585	A Variable Step Size Robust Least Mean Logarithmic Square-Based Control Scheme for Improved Power Quality of Grid-Interfaced PV System (Power Systems / Power Quality)	The main objective of the proposed method is to improve the Power quality (PQ) during load unbalancing as well as variable irradiation condition.
266	TEPGPS586	A Variable Step Size Robust Least Mean Logarithmic Square-Based Control Scheme for Improved Power Quality of Grid-Interfaced PV System (Power Systems / Solar Power Generation)	The main objective of the proposed method is to improve the Power quality (PQ) during load unbalancing as well as variable irradiation condition.
267	TEMACS74	A PV-DSTATCOM with Adaptive DC-Link Voltage for Grid Integration and PQ Enhancement (Control Systems)	The main objective of the proposed method is to decrease in the voltage stress across the VSI switches and improves the performance of the system.
268	TEPGCS68	A PV-DSTATCOM with Adaptive DC-Link Voltage for Grid Integration and PQ Enhancement (Control Systems)	The main objective of the proposed method is to decrease in the voltage stress across the VSI switches and improves the performance of the system.
269	TEPGPS583	A PV-DSTATCOM with Adaptive DC-Link Voltage for Grid Integration and PQ Enhancement (Power Systems / Power Quality)	The main objective of the proposed method is to decrease in the voltage stress across the VSI switches and improves the performance of the system.
270	TEPGPS584	A PV-DSTATCOM with Adaptive DC-Link Voltage for Grid Integration and PQ Enhancement (Power Systems / Solar Power Generation)	The main objective of the proposed method is to decrease in the voltage stress across the VSI switches and improves the performance of the system.
271	TEMAPS620	A PV-DSTATCOM with Adaptive DC-Link Voltage for Grid Integration and PQ Enhancement (Power Systems / Power Quality)	The main objective of the proposed method is to decrease in the voltage stress across the VSI switches and improves the performance of the system.
272	TEMAPS621	A PV-DSTATCOM with Adaptive DC-Link Voltage for Grid Integration and PQ Enhancement (Power Systems / Solar Power Generation)	The main objective of the proposed method is to decrease in the voltage stress across the VSI switches and improves the performance of the system.
273	TEMACS73	A Novel Control Scheme using UAPF in an Integrated PV Grid-tied System (Control Systems)	The main objective of the proposed method is to produce power quality enhancement and extracts the maximum power from renewable energy sources.
274	TEPGCS67	A Novel Control Scheme using UAPF in an Integrated PV Grid-tied System	The main objective of the proposed method is to produce power quality

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S.No	Project Code	Project Name	Objective
		(Control Systems)	enhancement and extracts the maximum power from renewable energy sources.
275	TEMAPS618	A Novel Control Scheme using UAPF in an Integrated PV Grid-tied System (Power Systems / Power Quality)	The main objective of the proposed method is to produce power quality enhancement and extracts the maximum power from renewable energy sources.
276	TEMAPS619	A Novel Control Scheme using UAPF in an Integrated PV Grid-tied System (Power Systems / Solar Power Generation)	The main objective of the proposed method is to produce power quality enhancement and extracts the maximum power from renewable energy sources.
277	TEPGPS581	A Novel Control Scheme using UAPF in an Integrated PV Grid-tied System (Power Systems / Power Quality)	The main objective of the proposed method is to produce power quality enhancement and extracts the maximum power from renewable energy sources.
278	TEPGPS582	A Novel Control Scheme using UAPF in an Integrated PV Grid-tied System (Power Systems / Solar Power Generation)	The main objective of the proposed method is to produce power quality enhancement and extracts the maximum power from renewable energy sources.
279	TEMACS72	A Multivariable Phase-Locked Loop-Integrated Controller for Enhanced Performance of Voltage Source Converters under Weak Grid Conditions (Control Systems)	The main objective of this paper is to extend its stability margins and enhance the voltage source converters in extremely weak grid conditions.
280	TEPGCS66	A Multivariable Phase-Locked Loop-Integrated Controller for Enhanced Performance of Voltage Source Converters under Weak Grid Conditions (Control Systems)	The main objective of this paper is to extend its stability margins and enhance the voltage source converters in extremely weak grid conditions.
281	TEMAPE230	A Multivariable Phase-Locked Loop-Integrated Controller for Enhanced Performance of Voltage Source Converters under Weak Grid Conditions (Power Electronics / DC - AC Converters)	The main objective of this paper is to extend its stability margins and enhance the voltage source converters in extremely weak grid conditions.
282	TEPGPE202	A Multivariable Phase-Locked Loop-Integrated Controller for Enhanced Performance of Voltage Source Converters under Weak Grid Conditions (Power Electronics / DC - AC Converters)	The main objective of this paper is to extend its stability margins and enhance the voltage source converters in extremely weak grid conditions.
283	TEMAPS617	A Multi-Source DC-AC Converter for Integrated Hybrid Energy Storage Systems (Power Systems / Hybrid Systems)	The main objective of the proposed method is to generate proper switching losses by reducing converter losses and to improve

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S.No	Project Code	Project Name	Objective
			efficiency by using a novel multi-source DC/AC converter.
284	TEPGPS580	A Multi-Source DC-AC Converter for Integrated Hybrid Energy Storage Systems (Power Systems / Hybrid Systems)	The main objective of the proposed method is to generate proper switching losses by reducing converter losses and to improve efficiency by using a novel multi-source DC/AC converter.
285	TEMAPE229	A Multi-Source DC-AC Converter for Integrated Hybrid Energy Storage Systems (Power Electronics / DC - AC Converters)	The main objective of the proposed method is to generate proper switching losses by reducing converter losses and to improve efficiency by using a novel multi-source DC/AC converter.
286	TEPGPE201	A Multi-Source DC-AC Converter for Integrated Hybrid Energy Storage Systems (Power Electronics / DC - AC Converters)	The main objective of the proposed method is to generate proper switching losses by reducing converter losses and to improve efficiency by using a novel multi-source DC/AC converter.
287	TEPGCS65	A Multi-Source DC-AC Converter for Integrated Hybrid Energy Storage Systems (Control Systems)	The main objective of the proposed method is to generate proper switching losses by reducing converter losses and to improve efficiency by using a novel multi-source DC/AC converter.
288	TEMACS71	A Multi-Source DC-AC Converter for Integrated Hybrid Energy Storage Systems (Control Systems)	The main objective of the proposed method is to generate proper switching losses by reducing converter losses and to improve efficiency by using a novel multi-source DC/AC converter.
289	TEMACS70	A Distributed Multimode Control Strategy for the Cascaded DC-DC Converter Applied to MVAC Grid-Tied PV System (Control Systems)	The main objective of the proposed method is to improve the robustness and applicability of the system by using MPPT control strategy.
290	TEMAPE228	A Distributed Multimode Control Strategy for the Cascaded DC-DC Converter Applied to MVAC Grid-Tied PV System (Power Electronics / DC - DC Converters)	The main objective of the proposed method is to improve the robustness and applicability of the system by using MPPT control strategy.
291	TEMAPS616	A Distributed Multimode Control Strategy for the Cascaded DC-DC Converter Applied to MVAC Grid-Tied PV System (Power Systems / Solar Power Generation)	The main objective of the proposed method is to improve the robustness and applicability of the system by using MPPT control strategy.
292	TEPGPS579	A Distributed Multimode Control Strategy for the Cascaded DC-DC Converter Applied to MVAC Grid-Tied PV System	The main objective of the proposed method is to improve the robustness and applicability of the system by

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S.No	Project Code	Project Name	Objective
		(Power Systems / Solar Power Generation)	using MPPT control strategy.
293	TEPGPE200	A Distributed Multimode Control Strategy for the Cascaded DC-DC Converter Applied to MVAC Grid-Tied PV System (Power Electronics / DC - DC Converters)	The main objective of the proposed method is to improve the robustness and applicability of the system by using MPPT control strategy.
294	TEPGCS64	A Distributed Multimode Control Strategy for the Cascaded DC-DC Converter Applied to MVAC Grid-Tied PV System (Control Systems)	The main objective of the proposed method is to improve the robustness and applicability of the system by using MPPT control strategy.
295	TEMAPS588	Model Based Maximum Power Point Tracking Algorithm with Constant Power Generation Capability and Fast DC Link Dynamics for Two Stage PV Systems (Power Systems / Solar Power Generation)	The main objective of this project is to propose a model based maximum power point tracking algorithm with constant power generation.
296	TEPGPS551	Model Based Maximum Power Point Tracking Algorithm with Constant Power Generation Capability and Fast DC Link Dynamics for Two Stage PV Systems (Power Systems / Solar Power Generation)	The main objective of this project is to propose a model based maximum power point tracking algorithm with constant power generation.
297	TEMAPS587	A Grid Frequency Support Control Strategy of the Three Phase Cascaded H Bridge Based Photovoltaic Generation System (Power Systems / Solar Power Generation)	The main objective of this project is to improve the grid frequency stability in a grid connected solar PV system
298	TEMAPE208	A Grid Frequency Support Control Strategy of the Three Phase Cascaded H Bridge Based Photovoltaic Generation System (Power Electronics / Multilevel Converters)	The main objective of this project is to improve the grid frequency stability in a grid connected solar PV system
299	TEPGPS550	A Grid Frequency Support Control Strategy of the Three Phase Cascaded H Bridge Based Photovoltaic Generation System (Power Systems / Solar Power Generation)	The main objective of this project is to improve the grid frequency stability in a grid connected solar PV system
300	TEPGPE180	A Grid Frequency Support Control Strategy of the Three Phase Cascaded H Bridge Based Photovoltaic Generation System (Power Electronics / Multilevel Converters)	The main objective of this project is to improve the grid frequency stability in a grid connected solar PV system
301	TEMAPS584	Three Phase Single Stage Photovoltaic System with Synchronverter Control: Power System Simulation Studies (Power Systems / Distribution Systems)	The main objective of this project is to conduct an exploratory study of the PV based synchronverter system when subjected to various disturbances.
302	TEMAPS585	Three Phase Single Stage Photovoltaic System with Synchronverter Control: Power System Simulation Studies (Power Systems / Wind Power Generation)	The main objective of this project is to conduct an exploratory study of the PV based synchronverter system when subjected to various disturbances.
303 (Page 34)	TEMAPS586	Three Phase Single Stage Photovoltaic	The main objective of this project is Email: info@takeoffprojects.com

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S.No	Project Code	Project Name	Objective
		System with Synchronverter Control: Power System Simulation Studies (Power Systems / Solar Power Generation)	to conduct an exploratory study of the PV based synchronverter system when subjected to various disturbances.
304	TEPGPS547	Three Phase Single Stage Photovoltaic System with Synchronverter Control: Power System Simulation Studies (Power Systems / Distribution Systems)	The main objective of this project is to conduct an exploratory study of the PV based synchronverter system when subjected to various disturbances.
305	TEPGPS548	Three Phase Single Stage Photovoltaic System with Synchronverter Control: Power System Simulation Studies (Power Systems / Wind Power Generation)	The main objective of this project is to conduct an exploratory study of the PV based synchronverter system when subjected to various disturbances.
306	TEPGPS549	Three Phase Single Stage Photovoltaic System with Synchronverter Control: Power System Simulation Studies (Power Systems / Solar Power Generation)	The main objective of this project is to conduct an exploratory study of the PV based synchronverter system when subjected to various disturbances.
307	TEMAPS565	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System (Power Systems / Wind Power Generation)	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water pumping system.
308	TEMAED147	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System (Electrical Drives / AC Drives)	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water pumping system.
309	TEPGPS530	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System (Power Systems / Wind Power Generation)	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water pumping system.
310	TEPGED141	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System (Electrical Drives / AC Drives)	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water pumping system.
311	TEMAPS583	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System (Power Systems / Solar Power Generation)	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water pumping system.
312	TEPGPS546	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System (Power Systems / Solar Power Generation)	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water pumping system.
313	TEMACS61	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water

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S.No	Project Code	Project Name	Objective
		(Control Systems)	pumping system.
314	TEPGCS55	Enhanced Control and Power Management For A Renewable Energy-Based Water Pumping System (Control Systems)	The main objective of this project is comprehensive dynamic analysis for a renewable energy based water pumping system.
315	TEMAPS580	Three Level T Type Quasi Z Source PV Grid Tied Inverter with Active Power Filter Functionality under Distorted Grid Voltage (Power Systems / Distribution Systems)	The main objective of this project is to provide the stability and good dynamic response of the grid-connected 3L T type QZSI.
316	TEMAPS581	Three Level T Type Quasi Z Source PV Grid Tied Inverter with Active Power Filter Functionality under Distorted Grid Voltage (Power Systems / Power Quality)	The main objective of this project is to provide the stability and good dynamic response of the grid-connected 3L T type QZSI.
317	TEMAPS582	Three Level T Type Quasi Z Source PV Grid Tied Inverter with Active Power Filter Functionality under Distorted Grid Voltage (Power Systems / Solar Power Generation)	The main objective of this project is to provide the stability and good dynamic response of the grid-connected 3L T type QZSI.
318	TEPGPS543	Three Level T Type Quasi Z Source PV Grid Tied Inverter with Active Power Filter Functionality under Distorted Grid Voltage (Power Systems / Distribution Systems)	The main objective of this project is to provide the stability and good dynamic response of the grid-connected 3L T type QZSI.
319	TEPGPS544	Three Level T Type Quasi Z Source PV Grid Tied Inverter with Active Power Filter Functionality under Distorted Grid Voltage (Power Systems / Power Quality)	The main objective of this project is to provide the stability and good dynamic response of the grid-connected 3L T type QZSI.
320	TEPGPS545	Three Level T Type Quasi Z Source PV Grid Tied Inverter with Active Power Filter Functionality under Distorted Grid Voltage (Power Systems / Solar Power Generation)	The main objective of this project is to provide the stability and good dynamic response of the grid-connected 3L T type QZSI.
321	TEMAPS579	Solar Power Generation System with Power Smoothing Function (Power Systems / Solar Power Generation)	The main objective of this project is to increase power efficiency and smoothens power fluctuations in the Solar Power generation system
322	TEMAPE206	Solar Power Generation System with Power Smoothing Function (Power Electronics / DC - DC Converters)	The main objective of this project is to increase power efficiency and smoothens power fluctuations in the Solar Power generation system
323	TEMAPE207	Solar Power Generation System with Power Smoothing Function (Power Electronics / DC - AC Converters)	The main objective of this project is to increase power efficiency and smoothens power fluctuations in the Solar Power generation system
324	TEPGPE178	Solar Power Generation System with Power Smoothing Function (Power Electronics / DC - DC Converters)	The main objective of this project is to increase power efficiency and smoothens power fluctuations in the Solar Power generation system

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S.No	Project Code	Project Name	Objective
325	TEPGPE179	Solar Power Generation System with Power Smoothing Function (Power Electronics / DC - AC Converters)	The main objective of this project is to increase power efficiency and smoothens power fluctuations in the Solar Power generation system
326	TEPGPS542	Solar Power Generation System with Power Smoothing Function (Power Systems / Solar Power Generation)	The main objective of this project is to increase power efficiency and smoothens power fluctuations in the Solar Power generation system
327	TEMAPS578	Multi Functional PV Inverter with Low Voltage Ride Through and Constant Power Output (Power Systems / Solar Power Generation)	The main objective of this project is to ensure a steady DC link voltage and remains connected to the grid during AC side low voltage and DC side low irradiation faults.
328	TEMAPE205	Multi Functional PV Inverter with Low Voltage Ride Through and Constant Power Output (Power Electronics / DC - AC Converters)	The main objective of this project is to ensure a steady DC link voltage and remains connected to the grid during AC side low voltage and DC side low irradiation faults.
329	TEPGPE177	Multi Functional PV Inverter with Low Voltage Ride Through and Constant Power Output (Power Electronics / DC - AC Converters)	The main objective of this project is to ensure a steady DC link voltage and remains connected to the grid during AC side low voltage and DC side low irradiation faults.
330	TEPGPS541	Multi Functional PV Inverter with Low Voltage Ride Through and Constant Power Output (Power Systems / Solar Power Generation)	The main objective of this project is to ensure a steady DC link voltage and remains connected to the grid during AC side low voltage and DC side low irradiation faults.
331	TEMAPS577	A Novel and High Gain Switched Capacitor and Switched Inductor Based DC DC Boost Converter with Low Input Current Ripple and Mitigated Voltage Stresses (Power Systems / Solar Power Generation)	The main objective of this project is to obtain low input current ripples and mitigate the voltage stresses
332	TEMAPE204	A Novel and High Gain Switched Capacitor and Switched Inductor Based DC DC Boost Converter with Low Input Current Ripple and Mitigated Voltage Stresses (Power Electronics / DC - DC Converters)	The main objective of this project is to obtain low input current ripples and mitigate the voltage stresses
333	TEPGPS540	A Novel and High Gain Switched Capacitor and Switched Inductor Based DC DC Boost Converter with Low Input Current Ripple and Mitigated Voltage Stresses (Power Systems / Solar Power Generation)	The main objective of this project is to obtain low input current ripples and mitigate the voltage stresses
334	TEPGPE176	A Novel and High Gain Switched Capacitor and Switched Inductor Based DC DC Boost Converter with Low Input Current Ripple and Mitigated Voltage Stresses	The main objective of this project is to obtain low input current ripples and mitigate the voltage stresses

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S.No	Project Code	Project Name	Objective
		(Power Electronics / DC - DC Converters)	
335	TEMAPS576	A Novel VFVDC Optimized Full Bridge Inverter Control Strategy for Independent Solar Power Systems (Power Systems / Solar Power Generation)	The main objective of this project is to reduce the problem of power harmonics, and compared the proposed VFVDC optimized control strategy with the SPWM control method
336	TEPGPS539	A Novel VFVDC Optimized Full Bridge Inverter Control Strategy for Independent Solar Power Systems (Power Systems / Solar Power Generation)	The main objective of this project is to reduce the problem of power harmonics, and compared the proposed VFVDC optimized control strategy with the SPWM control method
337	TEMAPE219	A New Single-Source Nine-Level Quadruple Boost Inverter (NQBI) for PV Application (Power Electronics / Multilevel Converters)	The main objective of this project is to evaluate the performance of the nine-level quadruple boost inverter (NQBI) topology
338	TEPGPE191	A New Single-Source Nine-Level Quadruple Boost Inverter (NQBI) for PV Application (Power Electronics / Multilevel Converters)	The main objective of this project is to evaluate the performance of the nine-level quadruple boost inverter (NQBI) topology
339	TEMAPE226	Multiphase Interleaved Converter Based on Cascaded Non-Inverting Buck-Boost Converter (Power Electronics / DC - DC Converters)	The main objective of this project is to investigate the characteristics of the proposed buck-boost interleaved converter during non-overlapping gate signals operation.
340	TEMAPE227	Multiphase Interleaved Converter Based on Cascaded Non-Inverting Buck-Boost Converter (Power Electronics / DC - AC Converters)	The main objective of this project is to investigate the characteristics of the proposed buck-boost interleaved converter during non-overlapping gate signals operation.
341	TEPGPE198	Multiphase Interleaved Converter Based on Cascaded Non-Inverting Buck-Boost Converter (Power Electronics / DC - DC Converters)	The main objective of this project is to investigate the characteristics of the proposed buck-boost interleaved converter during non-overlapping gate signals operation.
342	TEPGPE199	Multiphase Interleaved Converter Based on Cascaded Non-Inverting Buck-Boost Converter (Power Electronics / DC - AC Converters)	The main objective of this project is to investigate the characteristics of the proposed buck-boost interleaved converter during non-overlapping gate signals operation.
343	TEMAPE225	A Unified Active Damping for Grid and Converter Current Feedback in Active Front End Converters (Power Electronics / DC - AC Converters)	The main objective of this project is to reduce the switching harmonics and improve the system performance.
344	TEPGPE197	A Unified Active Damping for Grid and	The main objective of this project is

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S.No	Project Code	Project Name	Objective
		Converter Current Feedback in Active Front End Converters (Power Electronics / DC - AC Converters)	to reduce the switching harmonics and improve the system performance.
345	TEMAPE224	High Efficiency and Voltage Conversion Ratio Bidirectional Isolated DC-DC Converter for Energy Storage System (Power Electronics / DC - DC Converters)	: The main objective of this project is to attain high efficiency and voltage conversion ratio of a bidirectional isolated dc-dc converter for energy storage system.
346	TEPGPE196	High Efficiency and Voltage Conversion Ratio Bidirectional Isolated DC-DC Converter for Energy Storage System (Power Electronics / DC - DC Converters)	: The main objective of this project is to attain high efficiency and voltage conversion ratio of a bidirectional isolated dc-dc converter for energy storage system.
347	TEMAPS614	A Generalized High Gain Multilevel Inverter for Small Scale Solar Photovoltaic Applications (Power Systems / Solar Power Generation)	The main objective of this project is to increase the low voltage levels of PV panels by using high gain dc-dc converters which are also known as front-end converters.
348	TEMAPE223	A Generalized High Gain Multilevel Inverter for Small Scale Solar Photovoltaic Applications (Power Electronics / Multilevel Converters)	The main objective of this project is to increase the low voltage levels of PV panels by using high gain dc-dc converters which are also known as front-end converters.
349	TEPGPS577	A Generalized High Gain Multilevel Inverter for Small Scale Solar Photovoltaic Applications (Power Systems / Solar Power Generation)	The main objective of this project is to increase the low voltage levels of PV panels by using high gain dc-dc converters which are also known as front-end converters.
350	TEPGPE195	A Generalized High Gain Multilevel Inverter for Small Scale Solar Photovoltaic Applications (Power Electronics / Multilevel Converters)	The main objective of this project is to increase the low voltage levels of PV panels by using high gain dc-dc converters which are also known as front-end converters.
351	TEMAPE221	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller (Power Electronics / DC - DC Converters)	The main objective of this project is to enhance the power quality of the distribution network by using Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller.
352	TEMAPE222	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller (Power Electronics / DC - AC Converters)	The main objective of this project is to enhance the power quality of the distribution network by using Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller.
353	TEPGPE193	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated	The main objective of this project is to enhance the power quality of the

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S.No	Project Code	Project Name	Objective
		Based on Improved One-Cycle Controller (Power Electronics / DC - DC Converters)	distribution network by using Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller.
354	TEPGPE194	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller (Power Electronics / DC - AC Converters)	The main objective of this project is to enhance the power quality of the distribution network by using Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller.
355	TEMAPS613	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller (Power Systems / Power Quality)	The main objective of this project is to enhance the power quality of the distribution network by using Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller.
356	TEPGPS576	Power Quality Enhancement of the Distribution Network by Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller (Power Systems / Power Quality)	The main objective of this project is to enhance the power quality of the distribution network by using Multilevel STATCOM-Compensated Based on Improved One-Cycle Controller.
357	TEMAPE220	Modeling and Control of Single-Stage Quadratic-Boost Split Source Inverters (Power Electronics / DC - AC Converters)	The main objective of this project is to develop the recently proposed Split-Source Inverter (SSI) topology for improving its boosting characteristics.
358	TEPGPE192	Modeling and Control of Single-Stage Quadratic-Boost Split Source Inverters (Power Electronics / DC - AC Converters)	The main objective of this project is to develop the recently proposed Split-Source Inverter (SSI) topology for improving its boosting characteristics.
359	TEMAPE218	A Three-Level Single Stage A-Source Inverter with the Ability to Generate Active Voltage Vector during Shoot-Through State (Power Electronics / Multilevel Converters)	The main objective of this project is to gain the capability for applying an active voltage vector during the shoot-through state.
360	TEPGPE190	A Three-Level Single Stage A-Source Inverter with the Ability to Generate Active Voltage Vector during Shoot-Through State (Power Electronics / Multilevel Converters)	The main objective of this project is to gain the capability for applying an active voltage vector during the shoot-through state.
361	TEMAED157	Soft Switching Multiphase Interleaved Boost Converter with High Voltage Gain for EV Applications (Electrical Drives / Electrical Vehicles)	The main objective of the proposed method is to reduce the switching losses and improve the efficiency of the system by using Soft Switching Multiphase Interleaved Boost Converter with High Voltage Gain for EV.

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S.No	Project Code	Project Name	Objective
362	TEPGED151	Soft Switching Multiphase Interleaved Boost Converter with High Voltage Gain for EV Applications (Electrical Drives / Electrical Vehicles)	The main objective of the proposed method is to reduce the switching losses and improve the efficiency of the system by using Soft Switching Multiphase Interleaved Boost Converter with High Voltage Gain for EV.
363	TEMAED156	A New Multi-Output DC-DC Converter for Electric Vehicle Application (Electrical Drives / Electrical Vehicles)	The main objective of the proposed method is to reduce the cross regulation problems by using A New Multi-Output DC-DC Converter for Electric Vehicle Application
364	TEPGED150	A New Multi-Output DC-DC Converter for Electric Vehicle Application (Electrical Drives / Electrical Vehicles)	The main objective of the proposed method is to reduce the cross regulation problems by using A New Multi-Output DC-DC Converter for Electric Vehicle Application
365	TEMAED155	Torque Ripple Reduction for BLDC Permanent Magnet Motor Drive Using DC-Link Voltage and Current Modulation (Electrical Drives / AC Drives)	The main objective of the proposed method is to reduce the torque ripple and improve the performance of the system by using DC-link voltage and current modulation.
366	TEPGED149	Torque Ripple Reduction for BLDC Permanent Magnet Motor Drive Using DC-Link Voltage and Current Modulation (Electrical Drives / AC Drives)	The main objective of the proposed method is to reduce the torque ripple and improve the performance of the system by using DC-link voltage and current modulation.
367	TEMACS69	Sliding Mode Predictive Current Control of Permanent Magnet Synchronous Motor with Cascaded Variable Rate Sliding Mode Speed Controller (Control Systems)	The main objective of the proposed method is to propose a sliding mode control scheme for a direct-drive PMSG based wind energy conversion system.
368	TEPGCS63	Sliding Mode Predictive Current Control of Permanent Magnet Synchronous Motor with Cascaded Variable Rate Sliding Mode Speed Controller (Control Systems)	The main objective of the proposed method is to propose a sliding mode control scheme for a direct-drive PMSG based wind energy conversion system.
369	TEMAED154	Sliding Mode Predictive Current Control of Permanent Magnet Synchronous Motor with Cascaded Variable Rate Sliding Mode Speed Controller (Electrical Drives / AC Drives)	The main objective of the proposed method is to propose a sliding mode control scheme for a direct-drive PMSG based wind energy conversion system.
370	TEPGED148	Sliding Mode Predictive Current Control of Permanent Magnet Synchronous Motor with Cascaded Variable Rate Sliding Mode Speed Controller (Electrical Drives / AC Drives)	The main objective of the proposed method is to propose a sliding mode control scheme for a direct-drive PMSG based wind energy conversion system.

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S.No	Project Code	Project Name	Objective
371	TEMACS68	Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer (Control Systems)	The main objective of the proposed method is to reduce the chattering of the system and the observation error by using Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer
372	TEPGCS62	Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer (Control Systems)	The main objective of the proposed method is to reduce the chattering of the system and the observation error by using Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer
373	TEMAED153	Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer (Electrical Drives / AC Drives)	The main objective of the proposed method is to reduce the chattering of the system and the observation error by using Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer
374	TEPGED147	Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer (Electrical Drives / AC Drives)	The main objective of the proposed method is to reduce the chattering of the system and the observation error by using Sensorless Control Strategy of Permanent Magnet Synchronous Motor Based on Fuzzy Sliding Mode Observer
375	TEMACS67	Design and Cascade PI Controller-Based Robust Model Reference Adaptive Control of DC-DC Boost Converter (Control Systems)	The main objective of this project is to track the desired signals and regulate the plant process variables in the most beneficial and optimized way without delay and overshoot.
376	TEPGCS61	Design and Cascade PI Controller-Based Robust Model Reference Adaptive Control of DC-DC Boost Converter (Control Systems)	The main objective of this project is to track the desired signals and regulate the plant process variables in the most beneficial and optimized way without delay and overshoot.
377	TEMAPE217	Design and Cascade PI Controller-Based Robust Model Reference Adaptive Control of DC-DC Boost Converter (Power Electronics / DC - DC Converters)	The main objective of this project is to track the desired signals and regulate the plant process variables in the most beneficial and optimized way without delay and overshoot.
378	TEPGPE189	Design and Cascade PI Controller-Based Robust Model Reference Adaptive Control of DC-DC Boost Converter (Power Electronics / DC - DC Converters)	The main objective of this project is to track the desired signals and regulate the plant process variables in the most beneficial and optimized way without delay and overshoot.

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S.No	Project Code	Project Name	Objective
379	TEMAPS612	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Power Systems / Microgrids)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
380	TEMACS66	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Control Systems)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
381	TEMAPE215	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Power Electronics / DC - DC Converters)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
382	TEMAPE216	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Power Electronics / DC - AC Converters)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
383	TEPGPE187	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Power Electronics / DC - DC Converters)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
384	TEPGPE188	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Power Electronics / DC - AC Converters)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
385	TEPGPS575	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Power Systems / Microgrids)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
386	TEPGCS60	Implementation of Exact Linearization Technique for Modeling and Control of DC DC Converters in Rural PV Microgrid Application (Control Systems)	The main objective of this project is to reduce the losses and increasing the efficiency of the use of energy in a rural-microgrid application.
387	TEMAPS611	Control and Management of Railway System Connected to Microgrid Stations (Power Systems / Microgrids)	The main objective of this project is to propose techno-economic method for the energy storage by using Super capacitors in the train.
388	TEMAPE214	Control and Management of Railway System Connected to Microgrid Stations (Power Electronics / DC - DC Converters)	The main objective of this project is to propose techno-economic method for the energy storage by using Super capacitors in the train.
389	TEPGPS574	Control and Management of Railway System Connected to Microgrid Stations (Power Systems / Microgrids)	The main objective of this project is to propose techno-economic method for the energy storage by using Super capacitors in the train.
390	TEPGPE186	Control and Management of Railway System Connected to Microgrid Stations	The main objective of this project is to propose techno-economic

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S.No	Project Code	Project Name	Objective
		(Power Electronics / DC - DC Converters)	method for the energy storage by using Super capacitors in the train.
391	TEMAPS610	Performance Improvement of Grid Interfaced Hybrid System Using Distributed Power Flow Controller Optimization Techniques (Power Systems / Hybrid Systems)	The main objective of the proposed method is to improve the reliability, power quality, and transient stability of a hybrid system by using Distributed Power Flow Controller Optimization Techniques
392	TEPGPS573	Performance Improvement of Grid Interfaced Hybrid System Using Distributed Power Flow Controller Optimization Techniques (Power Systems / Hybrid Systems)	The main objective of the proposed method is to improve the reliability, power quality, and transient stability of a hybrid system by using Distributed Power Flow Controller Optimization Techniques
393	TEMAPS608	Energy Management Strategy of AC DC Hybrid Microgrid Based on Solid State Transformer (Power Systems / Microgrids)	The main objective of the proposed method is to avoid the voltage fluctuation and power mismatch by using AC/DC hybrid microgrid based on solid state transformer.
394	TEMAPS609	Energy Management Strategy of AC DC Hybrid Microgrid Based on Solid State Transformer (Power Systems / Hybrid Systems)	The main objective of the proposed method is to avoid the voltage fluctuation and power mismatch by using AC/DC hybrid microgrid based on solid state transformer.
395	TEMAPE213	Energy Management Strategy of AC DC Hybrid Microgrid Based on Solid State Transformer (Power Electronics / DC - AC Converters)	The main objective of the proposed method is to avoid the voltage fluctuation and power mismatch by using AC/DC hybrid microgrid based on solid state transformer.
396	TEPGPS571	Energy Management Strategy of AC DC Hybrid Microgrid Based on Solid State Transformer (Power Systems / Microgrids)	The main objective of the proposed method is to avoid the voltage fluctuation and power mismatch by using AC/DC hybrid microgrid based on solid state transformer.
397	TEPGPS572	Energy Management Strategy of AC DC Hybrid Microgrid Based on Solid State Transformer (Power Systems / Hybrid Systems)	The main objective of the proposed method is to avoid the voltage fluctuation and power mismatch by using AC/DC hybrid microgrid based on solid state transformer.
398	TEPGPE185	Energy Management Strategy of AC DC Hybrid Microgrid Based on Solid State Transformer (Power Electronics / DC - AC Converters)	The main objective of the proposed method is to avoid the voltage fluctuation and power mismatch by using AC/DC hybrid microgrid based on solid state transformer.
399	TEMAPS607	A Model Predictive Control Strategy for Performance Improvement of Hybrid Energy Storage Systems in DC Microgrids	The main objective of the proposed method is to improve the transient response and voltage stability of the

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S.No	Project Code	Project Name	Objective
		(Power Systems / Microgrids)	system by using a model Predictive Control Strategy for Performance Improvement of Hybrid Energy Storage Systems.
400	TEPGPS570	A Model Predictive Control Strategy for Performance Improvement of Hybrid Energy Storage Systems in DC Microgrids (Power Systems / Microgrids)	The main objective of the proposed method is to improve the transient response and voltage stability of the system by using a model Predictive Control Strategy for Performance Improvement of Hybrid Energy Storage Systems.
401	TEMAPS606	A DC-Side Fault-Tolerant Bidirectional AC-DC Converter for Applications in Distribution Systems (Power Systems / Distribution Systems)	The main objective of this project is to offer bidirectional power flow control and is robust to dc side faults in distribution systems
402	TEMAPE212	A DC-Side Fault-Tolerant Bidirectional AC-DC Converter for Applications in Distribution Systems (Power Electronics / DC - AC Converters)	The main objective of this project is to offer bidirectional power flow control and is robust to dc side faults in distribution systems
403	TEPGPS569	A DC-Side Fault-Tolerant Bidirectional AC-DC Converter for Applications in Distribution Systems (Power Systems / Distribution Systems)	The main objective of this project is to offer bidirectional power flow control and is robust to dc side faults in distribution systems
404	TEPGPE184	A DC-Side Fault-Tolerant Bidirectional AC-DC Converter for Applications in Distribution Systems (Power Electronics / DC - AC Converters)	The main objective of this project is to offer bidirectional power flow control and is robust to dc side faults in distribution systems
405	TEMAPS605	Power and Current Limiting Strategy Based on Droop Controller with Floating Characteristic for Grid-Connected Distributed Generations (Power Systems / Distribution Systems)	The main objective of this project is to improve the performance of grid connected distribution generations by employing power and current limiting strategy.
406	TEMACS65	Power and Current Limiting Strategy Based on Droop Controller with Floating Characteristic for Grid-Connected Distributed Generations (Control Systems)	The main objective of this project is to improve the performance of grid connected distribution generations by employing power and current limiting strategy.
407	TEPGPS568	Power and Current Limiting Strategy Based on Droop Controller with Floating Characteristic for Grid-Connected Distributed Generations (Power Systems / Distribution Systems)	The main objective of this project is to improve the performance of grid connected distribution generations by employing power and current limiting strategy.
408	TEPGCS59	Power and Current Limiting Strategy Based on Droop Controller with Floating Characteristic for Grid-Connected Distributed Generations (Control Systems)	The main objective of this project is to improve the performance of grid connected distribution generations by employing power and current limiting strategy.

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S.No	Project Code	Project Name	Objective
409	TEMAPS604	Autonomous Control Based on Capacitor Energy Storage of Converter for DC Distribution System (Power Systems / Distribution Systems)	The main objective of the proposed method is to improve the current control capability by using Capacitor Energy Storage of Converter for DC Distribution System.
410	TEPGPS567	Autonomous Control Based on Capacitor Energy Storage of Converter for DC Distribution System (Power Systems / Distribution Systems)	The main objective of the proposed method is to improve the current control capability by using Capacitor Energy Storage of Converter for DC Distribution System.
411	TEMAPS603	Harmonic Suppression and Stability Enhancement of a Voltage Sensorless Current Controller for a Grid-Connected Inverter under Weak Grid (Power Systems / Power Quality)	The main objective of this project is stability improvement of grid connected inverter under weak grid conditions.
412	TEPGPS566	Harmonic Suppression and Stability Enhancement of a Voltage Sensorless Current Controller for a Grid-Connected Inverter under Weak Grid (Power Systems / Power Quality)	The main objective of this project is stability improvement of grid connected inverter under weak grid conditions.
413	TEMAPS602	Bidirectional Power Control Strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter (Power Systems / Power Quality)	The main objective of this project is to employ a bidirectional power control strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter.
414	TEMAPE211	Bidirectional Power Control Strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter (Power Electronics / DC - DC Converters)	The main objective of this project is to employ a bidirectional power control strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter.
415	TEPGPS565	Bidirectional Power Control Strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter (Power Systems / Power Quality)	The main objective of this project is to employ a bidirectional power control strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter.
416	TEPGPE183	Bidirectional Power Control Strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter (Power Electronics / DC - DC Converters)	The main objective of this project is to employ a bidirectional power control strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter.
417	TEMAPS601	A New Technique Implemented in Synchronous Reference Frame for DVR Control under Severe Sag and Swell Conditions (Power Systems / Power Quality)	The main objective of this project is controlling of DVR in distribution systems under severe transient conditions.
418	TEPGPS564	A New Technique Implemented in Synchronous Reference Frame for DVR Control under Severe Sag and Swell Conditions	The main objective of this project is controlling of DVR in distribution systems under severe transient

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S.No	Project Code	Project Name	Objective
		(Power Systems / Power Quality)	conditions.
419	TEMAPS600	PLL Instability of Wind Turbines during Severe Faults (Power Systems / Wind Power Generation)	The main objective of this project is to propose a hybrid solution that combines an Adaptive-PLL with impedance estimation during severe faults occurred in wind turbines.
420	TEPGPS563	PLL Instability of Wind Turbines during Severe Faults (Power Systems / Wind Power Generation)	The main objective of this project is to propose a hybrid solution that combines an Adaptive-PLL with impedance estimation during severe faults occurred in wind turbines.
421	TEMAPS598	Modeling of a Droop-Controlled Grid-Connected DFIG Wind Turbine (Power Systems / Wind Power Generation)	The main objective of this project is to propose a linearized small-signal model for modelling a droop controlled grid connected DFIG wind turbine.
422	TEPGPS561	Modeling of a Droop-Controlled Grid-Connected DFIG Wind Turbine (Power Systems / Wind Power Generation)	The main objective of this project is to propose a linearized small-signal model for modelling a droop controlled grid connected DFIG wind turbine.
423	TEMAPS597	DC Bus Voltage Control of Wind Power Inverter Based on First-Order LADRC (Power Systems / Wind Power Generation)	The main objective of the proposed method is to improve the stability of the DC side voltage of the direct-drive permanent magnet wind power grid-connected inverter by using First-Order LADRC
424	TEMACS63	DC Bus Voltage Control of Wind Power Inverter Based on First-Order LADRC (Control Systems)	The main objective of the proposed method is to improve the stability of the DC side voltage of the direct-drive permanent magnet wind power grid-connected inverter by using First-Order LADRC
425	TEPGCS57	DC Bus Voltage Control of Wind Power Inverter Based on First-Order LADRC (Control Systems)	The main objective of the proposed method is to improve the stability of the DC side voltage of the direct-drive permanent magnet wind power grid-connected inverter by using First-Order LADRC
426	TEPGPS560	DC Bus Voltage Control of Wind Power Inverter Based on First-Order LADRC (Power Systems / Wind Power Generation)	The main objective of the proposed method is to improve the stability of the DC side voltage of the direct-drive permanent magnet wind power grid-connected inverter by using First-Order LADRC
427	TEMAPS595	An Improved Sliding Mode Direct Power Control Strategy Based on Reactive Power	The main objective of this project is to compensate reactive power for

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S.No	Project Code	Project Name	Objective
		Compensation for Vienna Rectifier (Power Systems / Power Quality)	Vienna rectifier by using an improved sliding mode DPC Controlling topology
428	TEMAPS596	An Improved Sliding Mode Direct Power Control Strategy Based on Reactive Power Compensation for Vienna Rectifier (Power Systems / Wind Power Generation)	The main objective of this project is to compensate reactive power for Vienna rectifier by using an improved sliding mode DPC Controlling topology
429	TEPGPS558	An Improved Sliding Mode Direct Power Control Strategy Based on Reactive Power Compensation for Vienna Rectifier (Power Systems / Power Quality)	The main objective of this project is to compensate reactive power for Vienna rectifier by using an improved sliding mode DPC Controlling topology
430	TEPGPS559	An Improved Sliding Mode Direct Power Control Strategy Based on Reactive Power Compensation for Vienna Rectifier (Power Systems / Wind Power Generation)	The main objective of this project is to compensate reactive power for Vienna rectifier by using an improved sliding mode DPC Controlling topology
431	TEMAPS593	Active and Reactive Power Control for Dual Excited Synchronous Generator in Wind Applications (Power Systems / Power Quality)	The main objective of this project is to control active power and reactive power for dual excited synchronous generator in wind applications.
432	TEMAPS594	Active and Reactive Power Control for Dual Excited Synchronous Generator in Wind Applications (Power Systems / Wind Power Generation)	The main objective of this project is to control active power and reactive power for dual excited synchronous generator in wind applications.
433	TEPGPS556	Active and Reactive Power Control for Dual Excited Synchronous Generator in Wind Applications (Power Systems / Power Quality)	The main objective of this project is to control active power and reactive power for dual excited synchronous generator in wind applications.
434	TEPGPS557	Active and Reactive Power Control for Dual Excited Synchronous Generator in Wind Applications (Power Systems / Wind Power Generation)	The main objective of this project is to control active power and reactive power for dual excited synchronous generator in wind applications.
435	TEMAPS592	Control of PV Systems for Multi machine Power System Stability Improvement (Power Systems / Solar Power Generation)	The main objective of this project is to achieve decarbonized operation of power systems in response to climate change and improving the stability of the power system.
436	TEMACS62	Control of PV Systems for Multi machine Power System Stability Improvement (Control Systems)	The main objective of this project is to achieve decarbonized operation of power systems in response to climate change and improving the stability of the power system.
437	TEPGPS555	Control of PV Systems for Multi machine Power System Stability Improvement	The main objective of this project is to achieve decarbonized operation

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S.No	Project Code	Project Name	Objective
		(Power Systems / Solar Power Generation)	of power systems in response to climate change and improving the stability of the power system.
438	TEPGCS56	Control of PV Systems for Multi machine Power System Stability Improvement (Control Systems)	The main objective of this project is to achieve decarbonized operation of power systems in response to climate change and improving the stability of the power system.
439	TEMAPS590	Faster Convergence Controller with Distorted Grid Conditions for Photovoltaic Grid Following Inverter System (Power Systems / Power Quality)	The main objective of this project is to improve power quality and achieve zero steady state error by using MDBHCC with PR controller.
440	TEMAPS591	Faster Convergence Controller with Distorted Grid Conditions for Photovoltaic Grid Following Inverter System (Power Systems / Solar Power Generation)	The main objective of this project is to improve power quality and achieve zero steady state error by using MDBHCC with PR controller.
441	TEPGPS553	Faster Convergence Controller with Distorted Grid Conditions for Photovoltaic Grid Following Inverter System (Power Systems / Power Quality)	The main objective of this project is to improve power quality and achieve zero steady state error by using MDBHCC with PR controller.
442	TEPGPS554	Faster Convergence Controller with Distorted Grid Conditions for Photovoltaic Grid Following Inverter System (Power Systems / Solar Power Generation)	The main objective of this project is to improve power quality and achieve zero steady state error by using MDBHCC with PR controller.
443	TEMAPE209	Two Stage Converter Standalone PV Battery System Based on VSG Control (Power Electronics / DC - DC Converters)	The main objective of this project is to adjust the inverter output and realize the maximum power of the PV scheme by using VSG controller
444	TEMAPE210	Two Stage Converter Standalone PV Battery System Based on VSG Control (Power Electronics / DC - AC Converters)	The main objective of this project is to adjust the inverter output and realize the maximum power of the PV scheme by using VSG controller
445	TEMAPS589	Two Stage Converter Standalone PV Battery System Based on VSG Control (Power Systems / Solar Power Generation)	The main objective of this project is to adjust the inverter output and realize the maximum power of the PV scheme by using VSG controller
446	TEPGPS552	Two Stage Converter Standalone PV Battery System Based on VSG Control (Power Systems / Solar Power Generation)	The main objective of this project is to adjust the inverter output and realize the maximum power of the PV scheme by using VSG controller
447	TEPGPE181	Two Stage Converter Standalone PV Battery System Based on VSG Control (Power Electronics / DC - DC Converters)	The main objective of this project is to adjust the inverter output and realize the maximum power of the PV scheme by using VSG controller
448	TEPGPE182	Two Stage Converter Standalone PV Battery System Based on VSG Control	The main objective of this project is to adjust the inverter output and

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S.No	Project Code	Project Name	Objective
		(Power Electronics / DC - AC Converters)	realize the maximum power of the PV scheme by using VSG controller

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