

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

List of Ph.Ds Awarded in HiCET – Research Centres (as on 19.07.2024)

S.NO	DEPT	YEAR OF ADMISSION	NAME OF THE CANDIDATE	FULL-TIME OR PART-TIME	NAME OF THE SUPERVISOR	TITLE OF THE THESIS	AWARDED ON
1	CIVIL	2015	MR.J.NAGARAJ	PT	DR CHANDRA SEKARAN P	STUDY ON UTILISATION OF FLYASH COARSE AGGREGATES IN REINFORCED CONCRETE	21.06.2024
2	ECE	2017	MS.R.GANAKUMARI	PT	DR.VIJAYALAKSHMI P	ANALYSIS OF ONLINE SOCIAL NETWORK USING DEEP LEARNING FOR VIRTUAL COMMUNITY FORMATION BASED USER BEHAVIOUR	29.04.2024
3	CIVIL	2015	MR.S.LOKESH	PT	DR CHANDRA SEKARAN P	EXPERIMENTAL STUDIES ON STRENGTH AND DURABILITY PRPPERTIES OF ALTERNATIVE FINE AGGREGATE IN CONCRETE AND MORTAR	05.04.2024
4	CIVIL	2016	MR.V.MUTHUPANDY	PT	DR CHANDRA SEKARAN P	EXPERIMENTAL INVESTIGATION ON GEOPOLYMER CONCRETE WITH SISAL AND POLYPROPYLENE FIBERS	25.03.2024
5	ECE	2017	MS.S.RAMYA	PT	DR.VIJAYALAKSHMI P	DEFECTED GROUND STRUCTURE MULTIPLE INPUT-OUTPUT ANTENNA FOR WIRELESSS APPLICATIONS	01.02.2024



6	S&H	2015	MS.R.CHITRADEVI	PT	DR.P.N.MAGUDESWARAN	MAGNETIC SEPARABLE AND PHOTO-INDUCED RECYCLING OF METAL FERRITE/MONTMORILLONITE CLAY NANOCOMPOSITE AS AN ADSORBENT FOR THE EFFECTIVE REMOVAL OF CATIONIC DYE	21.01.2024
7	S&H	2015	MS.G.DEEPA	PT	DR.P.N.MAGUDESWARAN	REMOVAL OF METAL IMPURITIES FROM CHITRAPUZHA RIVER WATER BY IRON OXIDE NANO PARTICLES PREPARED VIA GREEN SYNTHESIS METHOD	12.01.2024
8	CIVIL	2015	MR.M.G.RANJITH KUMAR	PT	DR CHANDRA SEKARAN P	AN EXPERIMENTAL INVESTIGATION ON THE PROPERTIES OF SUSTAINABLE NATURAL FIBER REINFORCED GEOPOLYMER COMPOSITES	20.11.2023
9	CIVIL	2015	MR SUBAHAR M	PT	DR CHANDRA SEKARAN P	A STUDY OF CCA REPLACED CEMENT CONCRETE ACCOMPANIED BY FIBER	25.08.2023
10	CIVIL	2014	MR PRAHATHES WARAN V	PT	DR CHANDRA SEKARAN P	EXPERIMENTAL STUDY ON USE OF LIGHTWEIGHT AGGREGATE IN SELF-COMPACTING LIME-BASED CONCRETE	17.08.2023
11	MECH	2019	KARTHICK L	PT	DR.MOHANRAJ.M	STUDIES ON HEAT PUMP WATER HEATER ASSISTED REGENERATIVE SOLAR STILL	08.08.2023
12	CSE	2015	PARTHASARATHI P	PT	DR.SHANKAR S	AN ENHANCED KEY MANAGEMENT SCHEME OF SECURE GROUP COMMUNICATION	08.08.2023



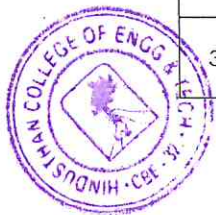
13	ECE	2016	Ms NISI K	PT	Dr JAYA J	STUDIES ON VARIOUS APPLICATIONS USING MULTI-OBJECTIVE OPTIMIZATION APPROACHES FOR TUNING PID CONTROLLERS	11.07.2023
14	CSE	2016	UMA J	PT	DR.SHANKAR S	A MARKET DRIVEN AUCTION BASED DYNAMIC RESOURCE ALLOCATION IN CLOUDS	23.06.2023
15	CSE	2019	LEELA KRISHNA SANBONIA	PT	DR.JASMINE SELVAKYMARI JEYA I	FUZZY BASED CLUSTERING IN MAPREDUCE	08.05.2023
16	CSE	2019	RAMYA DEVI M	PT	DR.JASMINE SELVAKYMARI JEYA I	ENHANCED VEHICULAR TRACKING AND INTELLIGENT TRANSPORT SYSTEM	05.05.2023
17	ECE	2017	REYANA A	PT	DR.VIJAYALAKSHMI P	ADKF-DT-MF MULTISENSOR FUSION TECHNIQUE FOR CONDITIONED BASED ENVIRONMENT MONITORING SYSTEM	28.04.2023
18	CSE	2016	INDIRANI M	PT	DR.SHANKAR S	NOVELTY IN CLOSED HIGH UTILITY ITEM SET MINING FOR E COMMERCE APPLICATIONS	24.04.2023
19	EEE	2013	Ms. MONIYA	PT	Dr. B.ANAND	OPTIMIZATION OF LOAD FREQUENCY CONTROL IN MULTI AREA POWER SYSTEM CONSIDERING TANDEM AND CROSS COMPOUND TURBINE USING FUZZY LOGIC CONTROLLER	13.04.2023
20	CSE	2017	SAKUNTHALA JENNI R	PT	DR.SHANKAR S	SENSING PHISHING ATTACK IN WEBSITES USING CLASSIFICATION TECHNIQUES	24.03.2023
21	ECE	2016	MR.P.AJAY	PT	Dr JAYA J	CERTAIN INVESTIGATIONS ON OPTIMIZATION ALGORITHMS FOR ENERGY EFFICIENT WIRELESS COMMUNICATION NETWORKS	15.03.2023



22	CSE	2015	GANESAN M	PT	DR.SHANKAR S	INVESTIGATION OF UTILITY BASED DATA MINING IN SERVICE ORIENTED COMPUTING	02.03.2023
23	ECE	2017	KALPANA K	PT	DR. JAYA J	A NOVEL DESIGN OF NANO ROUTER WITH HIGH SPEED CROSSBAR SCHEDULER FOR DIGITAL SYSTEMS IN QCA PARADIGM	06.01.2023
24	ECE	2015	VIGNESH KUMAR V	FT	DR. JAYA J	CERTAIN INVESTIGATION ON INTELLIGENT IRRIGATION SYSTEM USING MACHINE LEARNING FOR UNCERTAIN CONDITION	30.11.2022
25	MCT	2013	BAGYALAKSHMI K	PT	Dr.KARPAGAM M	CERTAIN INVESTIGATIONS ON LOW POWER DATA PATH ARCHITECTURE FOR IOT APPLICATION	29.11.2022
26	ECE	2017	DURAIVEL A N	FT	DR VIJAYALAKSHMI P	DATA PATH ELEMENTS DESIGN IN 15NM FINFET TECHNOLOGY USINH SELF-CONTROLLABLE VOLTAGE LEVEL TECHNIQUE	20.10.2022
27	EEE	2018	VALARMATHY G	PT	Dr. SEKAR K	CERTAIN IMPROVEMENTS IN PARAMETER TUNING FOR HEURISTICS DEEP LEARNING NETWORK AND ITS APPLICATION IN BRAIN TUMOR IDENTIFICATION	07.10.2022
28	CSE	2014	Ms SHOBANA G	PT	Dr SHANKAR S	DEEP LEARNING MODELS FOR PATIENT SIMILARITY ANALYSIS IN PERSONALIZED MEDICINE	26.07.2022



29	EEE	2017	Mr SATHEESHKUMAR D	PT	Dr SARAVANA SUNDARAM S	CERTAIN INVESTIGATIONS ON ENERGY EFFICIENT DATA CONVENING AND ASSOCIATIVE ZONE BASED ROUTING IN SENSOR NETWORKS	20.07.2022
30	CSE	2014	MANI S	PT	Dr. ANNADURAI S	DISCOVERING EXPLICIT DATA LINKS BETWEEN WEB DATA SOURCES	14.07.2022
31	MECH	2018	Mr KARTHEHEYAN I M	PT	Dr MOHANRAJ M	STUDIES ON DIRECT EXPANSION SOLAR THERMAL HEAT PUMP SYSTEMS USING R430A AS A SUBSTITUTE TO R134a	05.07.2022
32	MBA	2013	Ms KANIMOZHI V	PT	Dr SAMUVEL K	FAULT DETECTION IN ELECTRICAL POWER SYSTEM BASED ON WAVELET	19.03.2022
33	MECH	2016	Mr BABU B	PT	Dr SABARINATHAN C	PRODUCTION AND MACHINABILITY STUDIES OF HYBRID METAL MATRIX COMPOSITES USING MICRO-ECM	28.02.2022
34	CSE	2014	Mr VEERASAMY B	PT	Dr ANNADURAI S	DESIGN AND IMPLEMENTATION OF OPTIMIZATION BASED VIDEO COMPRESSION TECHNIQUES FOR MULTIMEDIA APPLICATIONS	07.02.2022
35	EEE	2015	Ms LAKSHMIPRIYA N	PT	Dr ANANTHA MOORTHY N P	CERTAIN INVESTIGATIONS ON PERFORMANCE ANALYSIS OF PERMANENT MAGNET SYNCHRONOUS MOTOR USING HYBRID SOFT COMPUTING PI CONTROLLERS WITH MULTILEVEL INVERTER	11.01.2022
36	CSE	2018	Mr DINESH VALLURU	FT	Dr JASMINE SELVAKYMARI JEYA I	COMPUTER AIDED DIAGNOSIS SYSTEM FOR LUNG CANCER DETECTION USING IOT	10.01.2022
37	CSE	2016	Ms KARTHIKEYINI S	FT	Dr SHANKAR S	IEEE 802.11P MAC WITH INTERFERENCE REDUCED ROUTING FOR VANET	07.12.2021



38	CSE	2017	Ms REVATHI M	PT	Dr JASMINE SELVAKYMARI JEYA I	HYBRID NEURAL NETWORK ARCHITECTURAL MODELS FOR LUNG CANCER CLASSIFICATION	12.11.2021
39	EEE	2013	Ms MANJULA T	PT	Dr ANAND B	CERTAIN INVESTIGATION ON KEY EXCHANGE BASED SECURED ROUTING SCHEMES IN MOBILE ADHOC NETWORK	30.09.2021
40	EEE	2013	Mr IYAPPAN C	PT	Dr KARPAGAM M	GRADIENT ASCENT OPTIMIZATION FOR FAULT DETECTION IN ELECTRICAL POWER SYSTEM BASED ON WAVELET TRANSFORMATION	21.09.2021
41	MECH	2016	Mr MANIKANDAN N	PT	Dr SABARINATHAN C	INVESTIGATION ON MECHANICAL, THERMAL AND TRIBOLOGICAL BEHAVIOR OF CRYOGENIC TREATED MULTIWALL CARBON NANOTUBES- ALUMINA REINFORCED EPOXY HYBRID NANO COMPOSITES	12.08.2021
42	MECH	2017	Mr DHIVAGAR R	PT	Dr MOHANRAJ M	INVESTIGATIONS ON PERFORMANCE ENHANCEMENT OF SOLAR STILLS	28.04.2021
43	EEE	2013	Ms LAVANYA R	PT	Dr KARPAGAM M	ENHANCING THE SECURITY OF ADVANCED ENCRYPTION STANDARD THROUGH CIRCUIT AND ALGORITHM LEVEL COUNTERMEASURES	08.04.2021
44	EEE	2012	Mr SURESH BABU A	PT	Dr ANAND B	CERTAIN INVESTIGATIONS ON RECONFIGURABLE POWER AWARE LFSR ARCHITECTURE	22.01.2021



45	CSE	2014	Ms SHANTHI S	PT	Dr RAJKUMAR N	OPTIMIZED FEATURE SELECTION FOR ENHANCING LUNG CANCER PREDICTION USING MACHINE LEARNING TECHNIQUES	22.12.2020
46	CSE	2013	Ms ELAKIYA E	PT	Dr RAJKUMAR N	TOPIC AND SUBTOPIC DETECTION USING TEXT MINING	27.11.2020
47	EEE	2015	Mr ARUNKUMAR G S	PT	Dr ANANTHA MOORTHY N P	MULTILEVEL INVERTER WITH REDUCED NUMBER OF ACTIVE SWITCHING DEVICES FOR SOLAR PHOTOVOLTAIC APPLICATIONS	11.11.2020
48	EEE	2012	Ms POONGUZHALI P K	PT	Dr ANANTHA MOORTHY N P	CERTAIN INVESTIGATION ON HARMONY SEARCH ALGORITHM PARAMETERS FOR ENERGY EFFICIENCY CLUSTERING IN WIRELESS SENSOR NETWORK	29.10.2020
49	MBA	2012	Mr MARTIN SILUVAI MANI S	PT	Dr SAMUVEL K	A STUDY ON FACTORS INFLUENCING CONSUMER BUYING BEHAVIOUR IN AUTOMOBILE INDUSTRY WITH REFERENCE TO COMMERCIAL VEHICLES	22.10.2020
50	EEE	2012	Ms TERESA V V	PT	Dr ANAND B	IMPLEMENTATION OF EFFICIENT CARRY SELECT ADDER AND FLOATING POINT MULTIPLIER IN VLSI DESIGN	21.10.2020
51	MBA	2012	Ms SREEJAMOL K S	PT	Dr KAMALASARAVANAN S	A STUDY ON POLICY HOLDER'S PERCEPTION AND SATISFACTION LEVEL TOWARDS WEATHER BASED CROP INSURANCE SCHEME IN PALAKKAD DISTRICT	19.10.2020
52	CSE	2014	Ms SMITHA J A	PT	Dr RAJKUMAR N	AN EFFICIENT MOVING VEHICLE DETECTION IN TRAFFIC SURVEILLANCE USING MACHINE LEARNING TECHNIQUES	17.09.2020



53	ECE	2012	Ms RAMYA J	PT	Dr VIJAYALAKSHMI P	CERTAIN INVESTIGATIONS ON SEISMIC IMAGE DENOISING AND HYDROCARBON RESERVOIR INTERPRETATION	15.09.2020
54	EEE	2016	Mr KISHORE B	PT	Dr ANANTHA MOORTHY N P	CERTAIN INVESTIGATIONS ON DETECTION OF GLAUCOMA USING IMAGE PROCESSING AND MACHINE LEARNING APPROACHES	09.09.2020
55	CSE	2009	Mr ARUL XAVIER V M	PT	Dr ANNADURAI S	A CRITICAL ANALYSIS ON TASK SCHEDULING WITHLOAD BALANCE AWARENESS IN CLOUD COMPUTING ENVIRONMENT	10.08.2020
56	MECH	2015	Mr ANDREW PON ABRAHAM J D	PT	Dr MOHANRAJ M	INVESTIGATIONS ON PERFORMANCE IMPROVEMENTS IN AUTOMOBILE AIR CONDITIONERS	03.08.2020
57	CSE	2015	Ms HEMALATHA B	PT	Dr RAJKUMAR N	CERTAIN INVESTIGATIONS ON AGE ASSESSMENT AND IMAGE CLASSIFICATION FOR DENTAL AGE	24.06.2020
58	CSE	2012	Ms JASMINE J	PT	Dr ANNADURAI S	IMPROVEMENT OF VIDEO ENHANCEMENT USING SOFT COMPUTING APPROACHES	24.06.2020
59	EEE	2014	Mr JOSEPH BALAN	PT	Dr KARPAGAM M	CERTAIN INVESTIGATIONS ON DISCRIMINATION OF INRUSH CURRENT AND FAULT CURRENT IN POWER TRANSFORMERS USING ANN	18.03.2020
60	CSE	2012	Mr SATHEESH KUMAR J	PT	Dr JASMINE SELVAKYMARI JEYA I	DESIGN AND IMPLEMENTATION OF RESOURCE EFFICIENT BITSTREAM COMPRESSION TECHNIQUES FOR XILINX FPGA FAMILY BASED HIGH SPEED EMBEDDED SYSTEMS	13.03.2020
61	CSE	2014	Mr MAHENDRAN N	PT	Dr SHANKAR S	ENERGY EFFICIENT PACKET SCHEDULING ALGORITHMS FOR WIRELESS SENSOR NETWORKS	09.03.2020



62	CSE	2010	Ms ANGEL IDA CHELLAM	PT	Dr RAJKUMAR N	AN EXTENSIVE STUDY ON VIDEO BASED TRAFFIC SURIELLANCE SYSTEM IN TERMS OF VEHICLE DETECTION	26.11.2019
63	CSE	2015	Ms SYED ALI FATHIMA S J	PT	Dr SHANKAR S	A GOBAL SOLUTION FOR REMOTE ASSISTANCE USING AUGMENTED REALITY BASED POST STROKE UPPER LIMB REHABILITATION FRAMEWORK	19.11.2019
64	CSE	2014	Ms SARANYA V	PT	Dr SHANKAR S	ENERGY EFFICIENT RESOURCE MANAGEMENT TECHNIQUES IN WIRELESS SENSOR NETWORK	29.10.2019
65	S&H	2014	Ms JAYANTHI L S	PT	Dr UMA K P	ANALYSIS OF TIME TO RECRUITMENT OF A MANPOWER SYSTEM USING STOCHASTIC MODELS	01.10.2019
66	EEE	2012	Mr ANNARAJA K	PT	Dr SARAVANA SUNDARAM S	CERTAIN INVESTIGATIONS ON IMPROVEMENTS OF WIRELESS SENSOR NETWORK AND APPLICATIONS IN HANDLING SIGNALS OF REAL TIME PARAMETERS FOR FARM SERVICES	26.08.2019
67	S&H	2013	Ms ROJAMARY T	PT	Dr UMA K P	A STUDY ON STOCHASTIC MODELS WITH DIFFERENT SOURCES OF DEPLETIONS OF MANPOWER	07.06.2019
68	MECH	2010	Mr GOPIKRISHNAN P	PT	Dr SIVA K	STUDIES ON MECHANICAL PROPERTIES AND MICRO STRUCTURAL CHARACTERISTICS OF FRICTION STIR WELDED ALUMINIUM MATRIX HYBRID COMPOSITES	27.12.2018



69	EEE	2011	Mr PRAKASH D	PT	Dr KARPAGAM M	CERTAIN INVESTIGATIONS ON POWER QUALITY ENHANCEMENT USING GRAVITATIONAL SEARCH ALGORITHM BASED D-STATCOM	21.12.2018
70	MBA	2008	Ms DEEPA ANANDA PRIYA P	PT	Dr KAMALASARAVANAN S	A STUDY ON JOB STRESS OF WOMEN EMPLOYEES IN IT AND ITes COMPANIES IN TAMILNADU	14.09.2018
71	S&H	2012	Mr JEYARAJ M	PT	Dr MAGUDESWARAN P N	EFFECTS OF POLLUTED NOYYAL RIVER ON ITS CONNECTED PONDS	22.06.2018
72	MECH	2005	Mr ELAMURUGAN P	PT	Dr SIVA K	MODELING AND CONTROL OF FLUID CATALYTIC CRACKING UNIT IN A PETROLEUM REFINERY	13.03.2018
73	EEE	2013	Ms CHITRA L	PT	Dr KARPAGAM M	CERTAIN INVESTIGATIONS DESIGN AND PERFORMANCE ANALYSIS OF TWO INPUT BOOST CONVERTER BASED ON VOLTAGE MULTIPLIER CELL	19.02.2018
74	MECH	2010	Mr GOPAL C	PT	Dr MOHANRAJ M	INVESTIGATIONS ON SOLAR PHOTOVOLTAIC WATER PUMPING SYSTEMS	02.02.2018
75	MECH	2013	Mr SARAVANAN V S	PT	Dr MOHANRAJ M	STUDIES ON FEEDING DISTANCE OF DUCTILE IRON	17.08.2017
76	EEE	2013	Ms PRAGASPATHY S	PT	Dr ANAND B	AN APPROACH TO STABILIZE REAL AND REACTIVE POWER VARIATIONS IN STANDALONE VARIABLE SPEED WIND TURBINE SYSTEM	17.08.2017
77	EEE	2013	Mr JEGADEESHAN K	PT	Dr ANAND B	BIO-INSPIRED ALGORITHMS FOR AUTOMATIC GENERATION CONTROL OF MULTI-AREA INTERCONNECTED HYDRO-THERMAL POWER SYSTEMS WITH NON-LINEARITY	30.05.2017



78	S&H	2009	Ms VIJAYAREKHA P	PT	Dr SENGOTTAIYAN N	EVALUATION OF ANTIBACTERIAL AND SYNERGISTIC EFFECT OF BIOACTIVE COMPOUNDS	24.10.2016
79	EEE	2009	Ms VINCY LLOYD F	PT	Dr ANAND B	CERTAIN HEURISTIC EVOLUTIONARY OPTIMIZATION ALGORITHMS FOR LOCATION AREA OPTIMIZATION AND JAMMING ATTACK DETECTION MECHANISM IN WIRELESS NETWORKS	06.10.2016
80	EEE	2009	Ms SREE DEVI E	PT	Dr ANAND B	A HYBRID GENETIC-FUZZY SYSTEM FOR COLOUR FILTER ARRAY INTERPOLATION	22.08.2016
81	CSE	2012	Mr MAHALINGAM S K	PT	Dr SENGOTTAIYAN N	AN EFFECTIVE HINT BASED DATA INTENSIVE AUTO SCALE EXECUTION OF WORKLOADS IN CLOUD	06.05.2016
82	MECH	2009	Mr GUNASEKARAN N	PT	Dr MOHANRAJ M	INVESTIGATIONS ON DIRECT EXPANSION SOLAR PHOTOVOLTAIC ASSISTED HEAT PUMP WORKING WITH TWO DIFFERENT EVAPORATOR CONFIGURATIONS	06.11.2015
83	MECH	2009	Mr SELVAKUMAR M	PT	Dr MOHANRAJ M	COMPREHENSIVE INVESTIGATIONS OF TITANIUM-TITANIUM BORIDE COMPOSITES PROCESSED THROUGH POWDER METALLURGICAL TECHNIQUES	03.03.2015
84	CSE	2010	Ms AKEY SUNGHEETHA	PT	Dr SUGANTHI J	DATA ANALYSIS OF CLUSTERING SCHEMES IN MOBILE AD HOC NETWORKING AND GENE CLASSIFICATION	23.01.2015



85	EEE	2008	Ms ANJALI VARGHESE C	PT	Dr KARPAGAM M	ANALYSIS AND MITIGATION OF LEAKAGE CURRENT AND DC INJECTION IN TRANSFORMERLESS PV INVERTER TOPOLOGIES	03.01.2015
86	EEE	2007	Mr KUMAR C	PT	Dr KARPAGAM M	SOFT COMPUTING APPROACH FOR POWER GENERATION PROBLEM IN REGULATED AND DEREGULATED SYSTEM	30.06.2014
87	CSE	2010	Mr VENKATARAMAN D	PT	Dr SUGANTHI J	ANALYSIS OF GLANDULAR CELLS IN SPUTUM CYTOLOGY IMAGES FOR LUNG CANCER DETECTION	06.03.2014
88	EEE	2009	Ms ANITHA J	PT	Dr KARPAGAM M	PRIORITY DISPATCHING RULES IN SOLVING JOB SHOP SCHEDULING USING ANT COLONY OPTIMIZATION	03.01.2014
89	EEE	2008	Ms VIJAYA CHANDRAKALA K R M	PT	Dr ANAND B	LOAD FREQUENCY CONTROL OF MULTI SOURCE MULTI AREA HYDRO THERMAL SYSTEM USING SOFT COMPUTING TECHNIQUES AND FACTS DEVICES	18.11.2013
90	EEE	2007	Mr LAKSHMINARAYANAN V	PT	Dr ANAND B	STUDY ON THE EFFECT OF TEMPERATURE, VOLTAGE, FREQUENCY AND GAS FLOW IN DIELECTRIC BARRIER DISCHARGE (DBD) FOR IMPROVING THE OZONE CONCENTRATION	15.11.2013
91	CSE	2007	Ms UMA S	PT	Dr SUGANTHI J	ANALYSIS OF CERTAIN NON LINEAR TIME SERIES SYSTEM USING SOFT COMPUTING TECHNIQUES	12.11.2013



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19/7/2024

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