

## NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL – 506004, Telangana – INDIA

### LIST OF PH.D. STUDENTS FOR 20TH CONVOCATION - 2022

The following is the provisional list of eligible students to receive their PhD degree in the 20th convocation.

The students are advised to verify their Roll number, name and title of the thesis (for spelling mistakes). If there are any mistakes communicate to ad\_exam@nitw.ac.in by 11/08/2022 (THURSDAY)

Sl. No	Roll No.	Name	Department	Date of Viva Voce	TITLE
1	701617	Sanjaya Kumar Sahoo	Mechanical Engineering	13.10.2021	NON-DESTRUCTIVE EVALUATION OF MULTI-LAYERED GFRP COMPOSITE STRUCTURES USING LOW FIELD NMR.
2	701607	Kedika Narendra Reddy	Electrical Engineering	22.10.2021	INVESTIGATION ON FAULT-TOLERANT MULTILEVEL INVERTERS FOR OPEN-END WINDING INDUCTION MOTOR DRIVES.
3	716043	Hemkumar D	Computer Science & Engg.	28.10.2021	STUDY OF DATA CORRELATION'S IMPACT ON PRIVACY LEAKAGE IN PRIVACY PRESERVING MODELS.
4	717118	Kusuma Eshwar	Electrical Engineering	08.11.2021	MODIFIED DIRECT TORQUE AND PREDICTIVE TORQUE CONTROL METHODS FOR PERMANENT MAGNET SYNCHRONOUS MOTOR DRIVE
5	717045	Satish Vemi Reddy	Computer Science & Engg.	08.11.2021	Energy Efficient and Co-operative Vehicle Scheduling Algorithms for Data Dissemination in Highway Vehicular Networks
6	716036	Vemoori Raju	Metallurgical & Materials Engg.	12.11.2021	Development and Properties Evaluation of Al <sub>2</sub> O <sub>3</sub> and ZTA porous Ceramics produced by different Techniques
7	717034	Ravindra Kumar Niranjana	Electronic Communication Engg.	22.11.2021	Real Time Modulation Recognition of Radar Signals using Digital Techniques for New Generation ELINT Systems”
8	716153	Thimmappa Sravankumar	Metallurgical & Materials Engg.	22.11.2021	DEVELOPMENT OF ZrB <sub>2</sub> -SiC-Si <sub>3</sub> N <sub>4</sub> /Ta CERAMIC COMPOSITES FOR HIGH TEMPERATURE APPLICATIONS
9	714039	Sathyanarayanan. S	Computer Science & Engg.	02.12.2021	DESIGN AND ANALYSIS OF DETERMINISTIC AND FAULT-TOLERANT CONSENSUS ALGORITHMS FOR DISTRIBUTED SYSTEMS.
10	701333	Utsav Vishal	Civil Engineering	06.12.2021	INFLUENCE OF MOISTURE DAMAGE AND HYDRATED LIME ON THE FATIGUE LIFE OF HOT MIX ASPHALT AND WARM MIX ASPHALT
11	714161	Mahender Kumar Gupta	Physics	13.12.2021	Improvement in the Performance of Laser Based Rotation Sensor using Different Nano Finishing Techniques on Glass and Glass Ceramics
12	715003	S.R.R. Teja Prathipati	Civil Engineering	14.12.2021	AN EXPERIMENTAL STUDY ON THE UNIAXIAL STRESS-STRAIN BEHAVIOUR OF NORMAL AND HIGH STRENGTH HYBRID GRADED FIBER REINFORCED CONCRETE
13	716061	Kota Sathish	Chemistry	17.12.2021	Synthesis and functionalization of spirooxindoles using organic bases, organocatalytic and catalyst-free Conditions
14	701610	Bhukya Laxman	Electrical Engineering	21.12.2021	Investigation and Design of Intelligent Controllers for Performance Improvement of Renewable Energy Sources in Microgrid
15	716184	Koragoni Naresh	Mathematics	20.12.2021	NUMERICAL ANALYSIS OF NATURAL CONVECTIVE FLOW PAST VERTICAL CYLINDER AND INSIDE THE CAVITY
16	718064	Abhinava Srivastav	Mathematics	22.12.2021	POWER-LAW FLUID FLOWS OVER A TRUNCATED CONE IN A NON-DARCY POROUS MEDIUM
17	714037	Thakkalapally Preethi	Computer Science & Engg.	23.12.2021	VARIANTS OF STATIC AND PARTIAL-DYNAMIC LATTICE-BASED GROUP SIGNATURE SCHEMES
18	718146	Vijaya Durga Chintala	Electronic Communication Engg.	23.12.2021	INVESTIGATIONS ON PERFORMANCE ANALYSIS OF UNIVERSAL FILTERED MULTICARRIER SYSTEM
19	714041	Kanaparthy Suresh Kumar	Computer Science & Engg.	31.12.2021	CONTENT BASED IMAGE RETRIEVAL BY INTEGRATING EFFECTIVE LOCAL AND GLOBAL FEATURES:
20	716051	Sravanthi Alamandala	Physics	31.12.2021	STRUCTURAL HEALTH MONITORING OF BRIDGE STRUCTURES USING FIBER BRAGG GRATING SENSORS
21	714140	K. Venkateswara Reddy	Metallurgical & Materials Engg.	03.01.2021	DAMPING PROPERTIES OF SURFACE LAYERS PRODUCED BY FRICTION STIR PROCESSING

22	718033	Marukurti V N V Satyanarayana	Mechanical Engineering	23.12.2021	EFFECT OF COOLING MEDIA AND OVERLAPPING TECHNIQUE ON FRICTION STIR PROCESSED AA2014 AND AA6061 ALLOYS.
23	717143	Eagalapati Sree Santoshi Tejaswini	Chemical Engineering	29.12.2021	DESIGN OF CONTROL STRATEGIES FOR ACTIVATED SLUDGE BASED WASTEWATER TREATMENT PLANTS FOR IMPROVED OPERABILITY.
24	716042	Dorsala Mallikarjunreddy	Computer Science & Engg.	05.01.2022	BLOCKCHAIN-BASED FAIR PAYMENT PROTOCOLS FOR CLOUD SERVICES
25	717102	Ramireddy Sushmitha	Civil Engineering	18.01.2022	CAPACITY ANALYSIS OF SIGNALIZED INTERSECTIONS IN MIXED TRAFFIC CONDITIONS.
26	717007	Rakesh Kadaverugu	Civil Engineering	27.01.2022	DEVELOPMENT OF MULTI-SCALE AIR QUALITY MODELING FRAMEWORK.
27	716133	Gawale Ganesh Rupchand	Mechanical Engineering	20.01.2022	EXPERIMENTAL INVESTIGATIONS ON DUAL-FUEL MODE HCCI ENGINE EMISSION CONTROL BY SUPPLY OF VARIOUS ALCOHOL-BASED FUELS AND OPTIMIZATION OF PREMIXED
28	716047	Vanacharla Pujitha	Mathematics	19.01.2022	MATHEMATICAL MODELS OF SYNOVIAL JOINT LUBRICATION
29	717133	Prathap Soma	Electronic Communication Engg.	13.01.2022	SOME INVESTIGATIONS ON DEVELOPMENT OF AN EMBEDDED FRAMEWORK FOR REAL-TIME IMAGE/VIDEO DE-HAZE APPLICATIONS
30	716198	Jismy K Joseph	Humanities & Social Science	18.01.2022	NARRATIVES OF CONNECTION: A STUDY OF INTERDISCIPLINARITY IN SELECT NOVELS OF RICHARD POWERS
31	717010	Patil Mounica	Electrical Engineering	07.02.2022	BIPOLAR BIDIRECTIONAL DC-DC CONVERTER TOPOLOGIES FOR RENEWABLE ENERGY APPLICATIONS
32	716131	Kethavath Kranthi Kumar	Mechanical Engineering	09.02.2022	INVESTIGATION ON FRICTION STIR WELDING OF DISSIMILAR AA5083-AA6061 ALUMINIUM ALLOYS FOR IMPROVING MECHANICAL AND CORRSION PROPERTIES
33	717127	Raj Kumar Pittala	Mechanical Engineering	09.02.2022	FABRICATION AND ASSESSMENT OF SELF-HEALING PERFORMANCE IN CFRP COMPOSITES TO MAINTAIN STRUCTURAL INTEGRITY
34	715007	B Raja Rajeshwari	Civil Engineering	07.01.2022	INVESTIGATION ON FRACTURE BEHAVIOUR OF FIBROUS SELF COMPACTING CONCRETE
35	716129	B Venkatesh	Mechanical Engineering	14.02.2022	FABRICATION AND CHARACTERIZATION OF ALUMINIUM BASED FUNCTIONALLY GRADED COMPOSITES VIA FRICTION STIR PROCESSING
36	715039	Jai Krishna Mishra	Mechanical Engineering	29.12.2021	DEVELOPMENT OF EXTERNAL ABLATIVE THERMAL PROTECTION SYSTEM FOR COMPOSITE ROCKET MOTOR CASE
37	715030	K. Jagan Mohan Reddy	Mechanical Engineering	07.01.2022	SUPPLY CHAIN MODELLING USING SYSTEM DYNAMIC APPROACH A FOCAL COMPANY PERSPECTIVE
38	715011	Gulivindala Pallavi	Civil Engineering	21.01.2022	CAPACITY ANALYSIS OF MULTILANE DIVIDED URBAN ROADS UNDER THE INFLUENCE OF SIDE FRICTION IN HETEROGENEOUS TRAFFIC CONDITIONS
39	701358	K.V.B. Vasanta Rayudu	Electronic Communication Engg.	25-02-2022	SOME INVESTIGATIONS OF EFFICIENT TESTING AND FAULT DIAGNOSIS ALGORITHM FOR VLSI CIRCUITS
40	718034	Pritam Das	Mechanical Engineering	24-02-2022	EXPERIMENTAL AND NUMERICAL ANALYSIS OF FLOW AND PERFORMANCE PARAMETERS OF SOLAR UPDRAFT TOWER PLANT
41	717052	N. Purushotham Reddy	Physics	02-03-2022	Donor Doped BaSnO <sub>3</sub> , SnO <sub>2</sub> Metal Oxide Photoanodes and Prickly Pear Fruit Extract photosensitizer Alternatives for Dye Sensitized Solar Cells.
42	716058	Gandamalla Ambedkar	Chemistry	07-03-2022	DEVELOPMENT OF HIGHLY EFFICIENT g-C <sub>3</sub> N <sub>4</sub> BASED METAL OXIDE NANOCOMPOSITES FOR PHOTOCATALYTIC APPLICATIONS
43	701609	Chejarla Madhu Kishore	Electrical Engineering	07-03-2022	INVESTIGATIONS ON SYNCHROPHASOR ASSISTED POWER SYSTEM STATE ESTIMATION
44	716125	Kotikala Rajasekhar	Mechanical Engineering	05-03-2022	Studies on Mechanical, Tribological Properties and Metal Flow Behaviour of Developed Al-Cu/Al Two-Layered Composite.
45	714022	Kattamanchi Manjoj	Mechanical Engineering	28-02-2022	STUDIES ON CANTILEVER ENERGY HARVESTER UNDER HARMONIC AND RANDOM EXCITATIONS
46	701433	Lavanya Madhuri Bollipo	Computer Science & Engg.	03-03-2022	Optimization of Support Vector Machines for Balancing the Trade off between Generalization Performance and Computational Complexity.
47	717046	Sweta Panigrahi	Computer Science & Engg.	10-03-2022	Pedestrian Detection based on Hand-crafted and Deep Learning Methods.

48	714153	Chaitanya K	Computer Science & Engg.	14-03-2022	Some Studies on Improved Particle Swarm Optimization for Multi-Domain Problems.
49	716041	Somesula Manoj Kumar	Computer Science & Engg.	15-03-2022	Design of Efficient Caching Algorithms for Mobile Edge Networks.
50	718070	Kalakuntla Sita Ramana	Mathematics	16-03-2022	Bioconvection Flow of a Nanofluid Past an Inclined Wavy Surface.
51	717129	Aruru Sai Kumar	Electronic Communication Engg.	15-03-2022	Real-Time Embedded Application Core Mapping for NoC with enhanced Performance and Energy Efficiency.
52	716141	Ravikanti Swetha	Electronic Communication Engg.	15-03-2022	Some Investigations on Performance Evaluation of Compact Circularly Polarized Antennas for 5G Wireless Applications.
53	718042	Krishna Reddy Komatla	Electronic Communication Engg.	17-03-2022	Novel Design Techniques for Energy Harvesting Integrated Circuits.
54	701613	Nikhil M Thoppil	Mechanical Engineering	15-03-2022	Studies on the Development of Data-Driven Intelligent Predictive Maintenance Framework for the Critical Components of Machine Tool Systems in Industry 4.0 Scenario.
55	716106	Seenu P.Z	Civil Engineering	16-04-2022	Climate Change Impacts and Mitigation Measures on Floods in Urbanising Areas.
56	716164	Sheik Abdul Gaffar	Chemical Engineering	07-04-2022	Development of Control Strategies for Enhanced Nutrient Removal in Biological Wastewater Treatment Plants.
57	716055	M Shiva Prasad	Physics	01-04-2022	Development of Solar Selective Absorber Coatings for Concentrated Solar Thermal Power Applications.
58	717030	S Siva Priyanka	Electronic Communication Engg.	25-04-2022	Development of Novel Adaptive Beamforming Approaches for Multi-Channel Speech Enhancement
59	701641	Allaka Bhargava Sai	Chemistry	19-04-2022	Synthesis and Anti-Tubercular Activity of Heterocyclic and Spiro Compounds
60	718155	Yashawantha K M	Chemical Engineering	29-04-2022	Heat Transfer Enhancement using Ethylene glycol and water mixture based Nanofluids in a Plate Heat Exchanger.
61	701604	Gugulothu Vikas	Civil Engineering	25-04-2022	A Study on Fly Ash and GGBS Based Geopolymer Concrete Activated with Neutral Grade Water-Glass
62	717115	Bhanuprasad Chintala	Electrical Engineering	09-05-2022	Optimal Meter Placement in Active Distribution System State Estimation using New Hybrid Multi-Objective Evolutionary Algorithms.
63	701337	Kamatalam Mahaboob Peera	Civil Engineering	05-05-2022	Development of Land Use Based Accident Prediction Models.
64	718004	Kopparthi Venkata Vydehi	Civil Engineering	05-05-2022	Effect of Biopolymer Inclusion on the Geotechnical Behaviour of Cohesive Soil
65	716103	Kurre Sai Sahitya	Civil Engineering	29-04-2022	Evaluation and Modelling of Urban Road Network Structures using Geographical Information Systems (GIS)
66	701345	Srinivasa Rohit V	Mechanical Engineering	11-05-2022	Establishment of Stable Process Parameters in Machining using Dynamic Force Signal Analysis
67	716178	Gudeme Jayarao	Computer Science & Engg.	11-05-2022	Secure Public Auditing Schemes for Shared Data with User Revocation in Cloud Storage
68	701618	M. Raghavendra Rao	Mechanical Engineering	18-05-2022	Studies on Hydrocarbon Fueled Dual Combustion Ramjet for High Speed Applications.
69	716044	Nunna Satya Krishna	Computer Science & Engg.	24-05-2022	Learning Extreme Data Characteristics with Novel Machine Learning Models
70	716182	Santanu Sasidharan	Bio-Technology	06-05-2022	Genetic and Chemical Validation of Leishmania Tyrosine aminotransferase as a potential drug target.
71	714159	Gangalakurti L Narayana	Physics	25-05-2022	Design and Development of Low Loss Dielectric Mirrors for Ring Laser Gyroscopes (RLG)
72	717112	Sarella Chakravarthi	Civil Engineering	27-05-2022	Performance Evaluation of Cement and Emulsified Asphalt Treated Bases.
73	716127	Abeyram M Nithin	Mechanical Engineering	03-06-2022	Constitutive and Machine Learning Based Microstructure and Mechanical Properties Prediction Models for Thixo Extruded Al/Si Alloys

74	716163	Radhika Gandu	Chemical Engineering	08-06-2022	Vapor Recompression in Batch Distillation for Separation of Ternary Zeotropic Mixtures: Feasibility and Analysis.
75	716054	Gnyaneshwar Dasi	Physics	13-06-2022	Solution Processed Al <sub>3</sub> /ZnO Hybrid Thin Films and Strategy to Improve Optoelectronic Device Performance.
76	701640	Vadapalli Durga Rama Pavan	Physics	21-06-2022	Studies on Mode Propagation and Dispersion Engineering Related Phenomena in Photonic Crystal Waveguides
77	718047	Kanaka Linga Venkata Sai Prakash, Sakuru	Electronic Communication Engg.	30-06-2022	Time Synchronization Over Bounded Delay Paths in Wireless Sensor & IoT Networks.
78	716034	Venkat	Metallurgical & Materials Engg.	24-06-2022	Development of Ceramic Shell Moulds for Investment Casting of Gas Turbine Components.
79	717013	Sambhani Madhu Babu	Electrical Engineering	04-07-2022	Investigation on Single-Phase Step-up Multilevel Inverters for Photovoltaic Standalone Applications.
80	717142	Suresh Kumar Chiluka	Chemical Engineering	08-07-2022	Data-Driven Robust Controller Design via Virtual Reference Feedback Tuning Approach
81	718059	Amilpur Santhosh	Computer Science & Engg.	12-07-2022	Machine Learning based Methods for diverse Regulatory Genome Signals and Drug Prediction
82	716187	Macherla Nagaraju	Physics	18-07-2022	Study and Evaluation of Polyaniline-Reduced Graphene Oxide Composites and Porous Carbon Electrode Materials for Supercapacitors.
83	718074	Ashutosh Panchal	Physics	21-07-2022	Tensile flow and work hardening behavior of tungsten heavy alloys.
84	716156	Adigilli Harish Kumar	Metallurgical & Materials Engg.	28-07-2022	Development of 2D - WS <sub>2</sub> Reinforced Al-4Cu Alloy Matrix Composites.