

Name and Address of the University : Defence Institute of Advanced Technology (DU), Girinagar, Pune - 411025

Sr No.	Faculty	Department	Name of the Supervisor	Name of Ph.D Scholar with Unique ID/Photo ID	Mode of Ph.D (Full Time/Part Time)	Registration No.	Date of Registration	Research Topic	Likely Date of Completion of Ph.D	Availing Fellowship Yes/No	Funding Agency of Fellowship	Category
1	Applied Science	Applied Chemistry	Dr. S G Kulkarni	Bagalkote Vrushali	Full Time	07-51-15	Jan-07	Studies on Hydrocarbon Based Liquid Fuel Blends Hypergolic with Red Fuming Nitric Acid as Oxidizer.	Completed			GEN
2	Engineering	Aerospace Engg	Prof. S E Talole	Chandar TS	Part Time	07-51-03	Jan-07	Robust Control System Design Based on Uncertainty and Disturbance Estimation	Completed			GEN
3	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Lonkar CM	Part Time	07-51-07	Jan-07	Synthesis, Characterization and Development of PZT Based Composition for Power Harvesting and Sensor Applications	Completed			GEN
4	Engineering	Aerospace Engg	Prof. A Kumaraswamy	Bhaumik Shankar	Part Time	07-51-02	Jan-07	Investigation of Tribological Characteristics of Reciprocating Hydraulic Seals Subjected to Shock Loading.	Completed			GEN
5	Applied Science	Computer Science & Engg	Dr. Upasana Singh	Shankar Lal	Part Time	07-52-03	Jul-07	Instance Based Classification with Incremental Learning for Behavior Analysis in Network Data.	Completed			GEN
6	Engineering	Mechanical Engg	Prof. S K Panigrahi	Niranjan Sarangi	Part Time	07-52-01	Jul-07	Fatigue Life Evaluation of an Aero Engine Combustor Casting.	Completed			GEN
7	Applied Science	Applied Mathematics	Dr. D Srikanth	Mukhedkar Rajesh	Part Time	07-51-08	Jan-07	Modelling and Simulation Studies on Military Applications	Completed			GEN
8	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Rahul Sarsar	Part Time	07-51-21	Jan-07	Dynamical Study of Intelligent Ammunition for Artillery	Completed			SC
9	Applied Science	Applied Physics	Dr. R B Sharma	Kavita Agarwal	Part Time	07-52-10	Jul-07	Development of Advanced Polymer Blends and composites and their characterization with special reference to Scanning Electron Microscopy	Completed			GEN
10	Engineering	Computer Science & Engg	Dr. Prahlada	Krishneshwar Tiwary	Part Time	07-52-09	Jul-07	Analysis and Improvement of accuracy in Pseudolite based navigation system for strategic application	Completed			GEN
11	Applied Science	Applied Physics	Dr. R B Sharma	Padhy Bibhuti	Part Time	07-51-09	Jan-07	"Studies on Advanced Optical Fiber Sensors and their Applications"	Completed			GEN
12	Engineering	Metallurgical and Materials Engg	Dr. T U Patro	SS Panwar	Part Time	07-52-04	Jul-07	Thermal Barrier Coatings for High Temperature Applications	Completed			GEN
13	Engineering	Aerospace Engg	Dr. A K Singh	Shri VS Raykar	Full Time	08-51-05	Jan-08	Experimental Studies on Thermal Properties and Flow Behavior of Nanofluids	Completed			GEN
14	Engineering	Aerospace Engg	Dr. A K Singh	Shri SB Patil	Full Time	08-51-06	Jan-08	Studies on Photo electrochemical Cell Performance of CdS Based Nanostructure Thin Films.	Completed			GEN
15	Applied Science	Applied Chemistry	Prof. Balasubramanian K	Renuka Gonte	Full Time	08-51-14	Jan-08	Styrene-Maleic Acid Co-Polymer Beads and Composites for Adsorption of Toxic Chemicals and Hydrogen.	Completed			GEN

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16	Applied Science	Applied Physics	Dr. R B Sharma	VA Dhumale	Full Time	08-51-07	Jan-08	Synthesis and Characterization of Novel Nanostructures of Gold for Ultrahydrophobic coatings, pH Sensing and Cadmium Ions Detection.	Completed			GEN
17	Applied Science	Applied Physics	Dr. H V Thakur	SM Nalawade	Full Time	08-51-15	Jan-08	Polarization Maintaining Photonic Crystal Fiber for Sensing Applications.	Completed			GEN
18	Applied Science	Applied Chemistry	Dr. S G Kulkarni	Ranjana Singh	Full Time	08-51-13	Jan-08	Studies on Polymer Composites Based on Nano Inorganic Fillers.	Completed			GEN
19	Engineering	Aerospace Engg	Dr. Mahesh M S	KD Dhote	Part Time	08-51-01	Jan-08	Investigations on Fragment Spatial Distribution in Single and Multi-layered Configurations of a Directional Warhead	Completed			GEN
20	Engineering	Aerospace Engg	Dr. Ajay Misra	Roschelle RM	Full Time	08-51-10	Jan-08	Swept Shock Wave/Boundary Layer Interaction Control using Microvortex Generators	Completed			GEN
21	Applied Science	Applied Mathematics	Dr. S D Naik	PV Arlulkar	Full Time	08-51-09	Jan-08	Optimisation of Lambert Problem Using Dynamical Approach	Completed			GEN
22	Engineering	Electronics Engg	Dr. Raj Kumar	T Ratnamani	Part Time	08-52-01	Jul-08	Development of Techniques for Shape Reconstruction of Objects from Underwater Acoustic Reflections	Completed			GEN
23	Engineering	Mechanical Engg	Dr. D G Thakur	S Nagesh	Part Time	08-52-03	Jul-08	Study on the dynamic characteristics of combat aircraft high speed flexible coupling	Completed			GEN
24	Applied Science	Applied Physics	Dr. P S Alegaonkar	KC Tripathi	Part Time	08-52-04	Jul-08	Preparation and Performance Evolution of Nano-Composites for Electromagnetic and Microwave Absorption.	Completed			GEN
25	Engineering	Mechanical Engg	Prof. S K Panigrahi	Benudhar Sahoo	Part Time	08-52-02	Jul-08	Experimental Investigation of Nickel base Alloys for Military Gas Turbine Rotor Blade	Completed			GEN
26	Applied Science	Applied Chemistry	Dr. S G Kulkarni	RS Hastak	Part Time	09-51-02	Jan-09	Studies on all solid high temperature supercapacitors using carbon based materials as electrodes.	Completed			GEN
27	Engineering	Aerospace Engg	Prof. S E Talole	Ashwini Godbole	Full Time	09-52-11	Jul-09	Extended State Observer Based Robust Flight Control System Design.	Completed			GEN
28	Applied Science	Computer Science & Engg	Dr. R S Deodhar Sc E. ARDE	Manisha Jitendra Nene	Part Time	09-52-16	Jul-09	A study on Uncovered Region Exploration Based Redeployment Algorithms for Mobile Wireless Sensor Networks.	Completed			GEN
29	Engineering	Mechanical Engg	Dr. Sunil Chandel	RK Mishra	Part Time	09-52-01	Jul-09	Lean Blow out Assessment of an Annular Aero Gas Turbine Combustor.	Completed			GEN
30	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Dimple Kumari	Full Time	09-52-14	Jul-09	Synthetic Approaches of Novel Azido esters and their Applications in LOVA propellant and Click Chemistry	Completed			GEN
31	Applied Science	Applied Physics	Dr. Suwarna Datar	Rajesh Kumar Gangawar	Full Time	09-52-13	Jul-09	Nano Gold and Nano Silica based Conjugates for Improved Bioavailability of Curcumin and Enhanced Catalytic Activity	Completed			GEN

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32	Applied Science	Applied Physics	Dr. P S Alegaonkar	Arvind Kumar	Full Time	09-52-17	Jul-09	Synthesis of graphene-like nanocarbon for structural, tactical shielding, and spin based applications and indigenous development of chemical vapor deposition set up	Completed			GEN
33	Engineering	Electronics Engg	Dr. C Bhattacharya	N Suresh Kumar	Part Time	09-52-02	Jul-09	Underwater Source Localization using Sparse Acoustic Vector Sensor Array in Shallow Ocean	Completed			GEN
34	Engineering	Electronics Engg	Dr. C Bhattacharya	D Adhikari	Part Time	09-52-05	Jul-09	Analysis of Prolate Spheroidal Wave Functions (PSWF) for Pulse Shape Modulation in Multiple Access Scenario	Completed			GEN
35	Engineering	Electronics Engg	Dr. C Bhattacharya	Ahsan Zaigam Rizvi	Full Time	09-52-12	Jul-09	Digital signal processing approaches for estimation of codon bias and replication origin sites in prokaryotic genomes	Completed			GEN
36	Engineering	Metallurgical and Materials Engg	Dr. A C Abhyankar	KK Gupta	Part Time	09-51-01	Jan-09	Studies on Microwave Interactive Fabrics for EMI Shielding and Stealth	Completed			GEN
37	Applied Science	Applied Mathematics	Dr. Debasish Pradhan	Nilam Ananda Chirame	Full Time	09-52-09	Jul-09	Mathematical Modelling of Flow Field Analysis Arising due to the Motion of Projectile in the Gun Barrel	Completed			OBC
38	Applied Science	Applied Physics	Dr. Harneet Thakur	Khavangkhol Zimik	Part Time	09-52-03	Jul-09	Crystal Growth and Characterization of Neodymium doped Gadolinium Gallium Garnet (Nd:GGG) Crystal for High Power Laser Applications	Completed			ST
39	Applied Science	Applied Physics	Dr. T M Bhawe	Yadvendra Nath Gupta	Part Time	09-52-04	Jul-09	Crystallization kinetics and shape memory characteristics of segmented polyurethane composites	Completed			GEN
40	Engineering	Mechanical Engg	Dr. Sunil Chandel	CS Dharankar	Part Time	09-52-10	Jul-09	Position Dependent Damping for Passive Suspension of Vehicle.	Completed			GEN
41	Engineering	Computer Science & Engg	Dr. Debasish Pradhan	Sunita Vikrant Dhavale	Part Time	10-52-06	Jul-10	A study on Digital Audio Watermarking Schemes for Copyright Protection.	Completed			GEN
42	Applied Science	Applied Physics	Prof. Sangeeta Kale	Ch Nageswara Rao	Full Time	10-52-05	Jul-10	Fiber Optic based Magnetic/Electric field sensors using Nanomaterials	Completed			GEN
43	Applied Science	Applied Physics	Dr. Suwarna Datar	Anupama Joshi	Full Time	10-52-08	Jul-10	Graphene Nanoribbon based hybrid materials and its applications	Completed			GEN
44	Applied Science	Applied Chemistry	Prof. Balasubramanian K	Mukesh Kumar Jain	Part Time	10-52-01	Jul-10	Studies on Rheological Behaviour of HTPB/AP/AI Based Composite Propellant Slurry	Completed			GEN
45	Applied Science	Applied Chemistry	Dr. S G Kulkarni	S Krishnamachary	Part Time	10-52-02	Jul-10	Studies on liquid fuels and oxidisers for rocket and air breathing propulsion application	Completed			GEN
46	Applied Science	Applied Physics	Prof. Sangeeta Kale	Umesh Tukaram Nakate	Full Time	10-52-03	Jul-10	Metal Oxide Nanostructures for Gas Sensing and Photo catalytic Applications	Completed			GEN

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47	Engineering	Mechanical Engg	Prof. S K Panigrahi	Sunil Vasantrao Nimje	Part Time	11-52-04	Jul-11	Design and Analysis of Functionally Graded Adhesively Bonded Out-Of-Plane Joints of Laminated FRP Composite Plates and Tubes	Completed			ST
48	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Chandra Shekhar Pant	Part Time	11-51-01	Jan-11	Synthesis and Characterization of Explosophore Functionalized Hydroxyl Terminated Polybutadiene Derivatives for Composite Propellants	Completed			GEN
49	Applied Science	Applied Mathematics	Dr. D Srikanth	J V Ramana Reddy	Full Time	11-52-14	Jul-11	Mathematical Modelling of Blood Flow Through Stenotic Tapered Arteries	Completed			GEN
50	Applied Science	Applied Physics	Dr. T M Bhawe	V Naresh Kumar	Full Time	11-51-03	Jan-11	Simulation and Fabrication of Active & Passive Micro-mixer for Biomedical and Chemical Applications	Completed			GEN
51	Engineering	Metallurgical and Materials Engg	Dr. A C Abhyankar	Manjeet Kumar	Full Time	11-51-04	Jan-11	Nanostructured SnO ₂ based sensors with improved response and recovery time	Completed			GEN
52	Applied Science	Applied Chemistry	Prof. P K Khanna	Ashwani Kumar Mishra	Part Time	11-52-07	Jul-11	"Studies on Extruded Composite Propellant Formulations based on Thermoplastic Elastomeric Binder"	Completed			GEN
53	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Sujit Kumar Shee	Part Time	11-52-08	Jul-11	"Probing the Compatibility of Energetic Binders with Energetic Plasticizers: Experimental and DFT Studies"	Completed			GEN
54	Applied Science	Applied Chemistry	Prof. P K Khanna	Bhanoth Sreenu	Full Time	11-52-10	Jul-11	"Synthesis, Characterization and Applications of Chalcogenide Semiconductor Nanocrystals"	Completed			ST
55	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Vikas Khandu Bhosale	Full Time	11-52-11	Jul-11	Studies on Ionic Liquid Based Hypergolic Fuels.	Completed			GEN
56	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Deepak Kumar	Full Time	11-52-12	Jul-11	Synthesis, Characterization and Applications of Metal Oxides Based Nanoenergetic Composites.	Completed			GEN
57	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Manish Kumar Dinker	Full Time	11-52-13	Jul-11	Development of Silica-based Materials for the Separation of Heavy Metal Ions from Aqueous Streams.	Completed			SC
58	Engineering	Electronics Engg	Dr. K Krishna Naik	M Sreenivasa Rao	Part Time	11-52-06	Jul-11	"Design of Random Modulator Pre Integrator (RMPI) for EW Applications"	Completed			GEN
59	Engineering	Metallurgical and Materials Engg	Dr. A C Abhyankar	Gopal Dutt	Full Time	11-52-09	Jul-11	Structural Magnetic and EM Wave Mitigation Properties of MFe ₂ O ₄ (M:Co ²⁺ , Mn ²⁺ , Zn ²⁺ , Ni ²⁺) Nano-Ferrites.	Completed			GEN
60	Engineering	Mechanical Engg	Prof. S K Panigrahi	Sunil Tyagi	Part Time	11-52-01	Jul-11	An Integrated fault Diagnostic Architecture for Gearbox using Hybrid Soft Computing Techniques.	Completed			GEN
61	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Bichitra Nanda Sahoo	Full Time	12-51-11	Jan-12	Carbon-Based Nanostructured Environmentally Benign Superhydrophobic Composite Surfaces	Completed			OBC
62	Engineering	Electronics Engg	Dr. Raj Kumar	R V S Ramkrishna	Full Time	12-51-17	Jan-12	Investigation of Compact Dual-Polarized Microstrip Antennas with Wider Bandwidth for Modern Wireless Communications.	Completed			GEN

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63	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Sanjeevani Hemant Sonawane	Part Time	12-51-03	Jan-12	"Studies on Isocyanate-Free Curators for Solid Rocket Propellant: Synthesis, Characterization and Curing Studies"	Completed			SC
64	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Anu Abirami S	Part Time	12-51-04	Jan-12	Studies on boron based fuel rich propellants using different binders to improve ballistic properties and eco-friendly conversion of propellants into liquid fertilizers.	Completed			OBC
65	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Kanaka Durga Bhaskar Yamajala	Full Time	12-51-13	Jan-12	Design and Applications of N-substituted 1,2,3-triazoles and hyperbranched dendrimers.	Completed			GEN
66	Applied Science	Applied Chemistry	Prof. P K Khanna	Aditi Annarao Jadhav	Full Time	12-51-15	Jan-12	Studies on 1,2,3-selenadiazoles for their applications in synthesis of nano-metal selenides	Completed			GEN
67	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Pankaj Eknath Hande	Full Time	12-51-16	Jan-12	Design and Synthesis of Imprinted Polymers for Selective Recognition of Toxic Metals and Organic Compounds.	Completed			GEN
68	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Ramesh Kurva	Part Time	12-52-19	Jul-12	Studies on Development of Bi-Curative system and its application in Composite propellant formulation to achieve optimum Pot life, Mechanical properties and Performance.	Completed			OBC
69	Applied Science	Applied Mathematics	Dr. Odalu Ojjela	Naresh Kumar Nedunuri	Full Time	12-52-15	Jul-12	Unsteady MHD non-Newtonian fluid flows through porous parallel plates with heat and mass transfer	Completed			GEN
70	Applied Science	Applied Physics	Prof. Sangeeta Kale	B Vijaya Bhaskara Rao	Full Time	12-51-14	Jan-12	Nanocomposites based on Fe ₃ O ₄ and Carbon Nanostructures for Electromagnetic Interference Shielding and Microwave Absorption Applications.	Completed			OBC
71	Applied Science	Applied Physics	Dr. T M Bhawe	Gp Cap A K Swarnkar	Part Time	12-52-01	Jul-12	"Study of Natural Dyes for Dye Sensitized Solar Cell and Development of Flexi Stand-alone Solar power Module for Defence Applications"	Completed			GEN
72	Applied Science	Applied Physics	Dr. T M Bhawe	Himanshu Agarwal	Part Time	12-52-02	Jul-12	Miniature Hydrogen Fuel cell based on nano porous silicon.	Jul-22	No		GEN
73	Applied Science	Applied Physics	Dr. P S Alegaonkar	Inderpal Singh Sandhu	Part Time	12-52-05	Jul-12	"Design and establishment of test setups for blast evaluation and studies on blast mitigation in polyurethane-, rubber - foam and other media"	Completed			SC
74	Applied Science	Applied Physics	Prof. Sangeeta Kale	Vaishali Rawat	Full Time	12-52-08	Jul-12	Metamaterial Inspired Microwave Electrical Resonator for Chemical Sensing.	Completed			GEN

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75	Applied Science	Applied Physics	Dr. Suwarna Datar	S Abraham Sampson	Full Time	12-52-09	Jul-12	Design and Development of Quartz Tuning Fork Sensor Array System/Prototype for Vapor Phase Detection of Volatile Organic Compounds.	Completed			GEN
76	Applied Science	Applied Physics	Prof. Sangeeta Kale	Shankar Ashok Gaware	Full Time	12-52-18	Jul-12	"Development and Characterization of Silica-Chitosan based Nanocomposite for Drug Delivery Application"	Completed			SC
77	Engineering	Computer Science & Engg	Dr. C R S Kumar	Deepti Vidyarthi	Part Time	12-52-07	Jul-12	"Malware Detection and Characterization based on Intent and Impact"	Completed			GEN
78	Engineering	Computer Science & Engg	Dr. Arun Mishra	Thite Anita Tukaram	Full Time	12-52-13	Jul-12	Multiple Target Tracking (MTT) for Air Surveillance System	Completed			GEN
79	Engineering	Computer Science & Engg	Dr. Arun Mishra	Wadkar Harshad Suryakant	Part Time	12-52-14	Jul-12	"Framework of Secure Web Browsing"	Completed			GEN
80	Engineering	Electronics Engg	Dr. Raj Kumar	Nagendra Kushwaha	Full Time	12-52-10	Jul-12	Study of Electromagnetic Band Gap (EBG) and Frequency Selective Surface (FSS) Structures and their Effect on Antenna Characteristics.	Completed			OBC
81	Engineering	Electronics Engg	Dr. K Krishna Naik	Pawar Vanita Gangadhar	Full Time	12-52-11	Jul-12	"Computationally Efficient Blind Channel Estimation of Time-Variant MIMO-OFDM System"	Completed			SC
82	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Tirumalai Manoj	Part Time	12-51-01	Jan-12	"Studies on Epoxy based Graphite and Ionic Liquid Modified CNF Composites for Anti-Static Applications in Aviation"	Completed			GEN
83	Engineering	Metallurgical and Materials Engg	Dr. H S Panda	Radhamanohar Rao AVN	Full Time	12-51-10	Jan-12	Zinc Oxide Based Dielectric Nanocomposites for Fabrication of Capacitive Pressure Sensors	Completed			OBC
84	Engineering	Metallurgical and Materials Engg	Dr. H S Panda	Niraj Kumar	Full Time	12-52-16	Jul-12	Hybrid Pseudo-Electric Double Layer Capacitive Electrode Materials and Their Applications for Supercapacitor Device.	Completed			GEN
85	Engineering	Metallurgical and Materials Engg	Dr. T U Patro	G Sudheer Kumar	Full Time	12-52-17	Jul-12	Polymer / Carbon Nanotube Nanocomposites for Electromagnetic Interference Shielding and Strain Sensing Applications.	Completed			SC
86	Engineering	Mechanical Engg	Dr. D G Thakur	Ritesh Raj	Full Time	12-51-09	Jan-12	Processing, Characterization and Mechanical Behavior of Boron Carbide Reinforced Aluminum Metal Matrix Composites.	Completed			GEN

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87	Engineering	Mechanical Engg	Dr. Sunil Chandel	Mukesh Prakash Mishra	Part Time	12-52-04	Jan-12	"Effect of Orientation and Arrangement of Cooling Holes on Performance of Full Coverage Film Cooling for a Flat Plate"	Completed			GEN
88	Engineering	Mechanical Engg	Dr. Sunil Chandel	Ravish Vinze	Full Time	12-52-12	Jul-12	Local Heat Transfer Distribution by Impinging Incompressible and Compressible Jets.	Completed			GEN
89	Engineering	Aerospace Engg	Prof. S E Talole	Swarup Das	Part Time	13-51-02	Jan-13	"Disturbance Rejection based Robust Ship Autopilot Design"	Completed			GEN
90	Applied Science	Applied Chemistry	Dr. Chetan Bhogale	Sunil Dahiwale	Part Time	13-51-05	Jan-13	"Studies on effect of energetic/non-energetic additives on triple base propellants used in high calibre gun"	Completed			GEN
91	Applied Science	Applied Chemistry	Dr. Chetan Bhogale	Dombe G S	Part Time	13-51-06	Jan-13	Studies on processing of composite propellant formulations using twin screw extruder.	Completed			GEN
92	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Mrinal Ghosh	Part Time	13-51-07	Jan-13	Reduced Sensitive Energetic Cyclic Nitramines : A Comprehensive study on Polymorphism, Crystal Growth and co-crystallization.	Completed			OBC
93	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	S Swati	Full Time	13-52-03	Jul-13	Synthesis and applications of poly(ethylene glycol) (PEG) based phase change materials (PCM).	Completed			GEN
94	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Raut Sandesh Sanjay	Full Time	13-52-16	Jul-13	Synthesis of Nanomaterials for the Dechlorination and Photocatalytic Degradation of Organic Pollutants	Completed			OBC
95	Applied Science	Applied Mathematics	Prof. Samir K Das	Venkata Sudarsan Nanduri	Part Time	13-51-08	Jan-13	"Internal Ballistics Studies on Critical Design Parameters for Large Caliber Gun System"	Completed			GEN
96	Applied Science	Applied Mathematics	Prof. Samir K Das	Shaikh Bushraa Yasin	Full Time	13-52-08	Jul-13	"Mathematical Modeling of Groundwater Responses to Tidal Oscillations in Sloping Aquifer Systems along Coastal Beaches"	Completed			GEN
97	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Pravin Kashyap Kambhatla	Full Time	13-52-11	Jul-13	Heat transfer enhancement of upper converted maxwell fluid in MHD parallel plat channels.	Completed			GEN
98	Applied Science	Applied Mathematics	Dr. S K Murthy	Vinay Kumar	Full Time	13-52-14	Jul-13	"Mathematical Modeling and Numerical Simulation of Free Convection Flow in Porous Configurations under Multiple Interacting Forces"	Completed			OBC
99	Applied Science	Applied Physics	Dr. Suwarna Datar	Pradeep Kumar V	Part Time	13-51-09	Jan-13	Studies and Optimization of Pulsed Power Components and Armature of Electromagnetic Railgun	Completed			GEN

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100	Applied Science	Applied Physics	Dr. Suwarna Datar	Sanghamitra Acharya	Full Time	13-52-07	Jul-13	"Carbon Nanocomposite for Electromagnetic Shielding Application"	Completed			GEN
101	Applied Science	Applied Physics	Prof. Sangeeta Kale	Pawar Dnyandeo	Full Time	13-52-10	Jul-13	Mach-Zehnder and Fabry-Perot Interferometric Optical Fiber Sensors : Studies Using Specialty Fibers And Nanomaterials.	Completed			OBC
102	Applied Science	Applied Physics	Dr. T M Bhawe	Sanjay Harivijay Sahare	Full Time	13-52-13	Jul-13	Efficiency Improvement in Hybrid Solar Cells using Metal Nanoparticles, Carbon Nano Structures and Chalcogenides.	Completed			SC
103	Applied Science	Applied Physics	Prof. Sangeeta Kale	Preetam Bala	Full Time	13-52-06	Jul-13	"Development of Polymer-Based Drug Delivery Systems and Evaluation of their Efficacy"	Completed			SC
104	Applied Science	Applied Physics	Dr. P S Alegaonkar	Joglekar Shreeram Suresh	Full Time	13-52-09	Jul-13	Synthesis and Evaluation of Bioactive Quantum Dot Complexes for Predictive Analysis of Mitochondrial Metabolism and Associated Disorders.	Thesis submitted			GEN
105	Engineering	Metallurgical and Materials Engg	Dr. T U Patro	Arbade Gajanan Kashinathrao	Full Time	13-52-12	Jul-13	"Poly(ϵ -caprolactone) Based Composite Electrospun Nanofiber Scaffolds for Drug Delivery and Tissue Engineering Applications"	Completed.			GEN
106	Engineering	Computer Science & Engg	Dr. C R S Kumar	Lt Cdr Soubhagya Roul	Part Time	13-51-04	Jan-13	Undertaken sensor Networks for costal surveillance.	Completed			GEN
107	Engineering	Computer Science & Engg	Dr. Upasana Singh	Pankaj Choudhray	Full Time	13-52-15	Jul-13	Social Network Analysis (SNA) for Covert Networks	Completed			OBC
108	Engineering	Computer Science & Engg	Dr. C R S Kumar	M Selva Balan	Part Time	13-52-19	Jul-13	"Advanced Signal Processing and Machine Learning Techniques for High Performance Reservoir Bathymetry"	Completed			SC
109	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	H H Kumar	Part Time	13-52-20	Jul-13	"Synthesis and Characterization of Nano-crystalline La-PNS-PZT Composition for Power Harvesting in Strategic Applications"	Completed			GEN
110	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Lt Col Vijay Kumar	Part Time	13-52-22	Jul-13	Fumed Silica and Functionalized Nano-Clay / Resorcinol Formaldehyde Based Nano Composites for Thermal Ablative Applications.	Completed			GEN
111	Engineering	Metallurgical and Materials Engg	Dr. H S Panda	K Suresh Chary	Part Time	13-52-24	Jul-13	Lead-free Piezoelectric Nanofibers based Nanogenerator for Energy Harvesting and Sensor Application	Completed			OBC

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112	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Ambuj Saxena	Full Time	13-52-04	Jul-13	"Comparative Study of Effect of Strain-Rate on Plastic Flow Behavior of Armor Steel Weldments for Defence Applications"	Completed			GEN
113	Engineering	Mechanical Engg	Dr. D G Thakur	Mohd Imran Ansari	Full Time	13-52-05	Jul-13	"Experimental Investigations on Surface Properties of Electroless Ni-P/ZnO Composite Coatings on AZ91 Magnesium Alloy"	Completed			OBC
114	Engineering	Mechanical Engg	Prof. S K Panigrahi	Mahapatra Kavikant	Part Time	13-52-21	Jul-13	"Effect of General Boundary and Coupling Conditions on the Vibration and Power Flow Characteristics of Isotropic Beams and Plates"	Completed			GEN
115	Engineering	Aerospace Engg	Prof. S E Talole	G Naresh Kumar	Part Time	14-51-08	Jan-14	"Trajectory Optimization and Guidance of Hypersonic Boost Glide Vehicles"	Completed			GEN
116	Engineering	Aerospace Engg	Prof. S E Talole	Bhavnesb Panchal	Full Time	14-52-01	Jul-14	"Continuous Time Predictive Control of Uncertain Systems"	Completed			OBC
117	Engineering	Aerospace Engg	Prof. S E Talole	Adarsh Kodhanda	Full Time	14-52-02	Jul-14	"On Aspects of Uncertainty and Disturbance Estimation based Robust Control Systems"	Completed			SC
118	Engineering	Aerospace Engg	Dr. Ajay Misra	Manish Tripathi	Full Time	14-52-03	Jul-14	"Grid Fin Geometry Characterization for Aerodynamic Efficiency Enhancement in Subsonic Flow"	Completed			GEN
119	Applied Science	Applied Chemistry	Prof. P K Khanna	Sukeshni Rawal	Part Time	14-51-03	Jan-14	"Effect of Energetic Materials on Pyrotechnic performance of Igniter Compositions"	Completed			GEN
120	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Kavita Ghosh	Part Time	14-51-04	Jan-14	"Preparation and Characterization of HTPB based Polymer – Clay Nanocomposites and their Evaluation in Composite Propellant"	Completed			GEN
121	Applied Science	Applied Chemistry	Prof. P K Khanna	Anuraj S. Kshirsagar	Full Time	14-52-04	Jul-14	"Organoselenium Compounds Mediated Synthesis of Nanostructured Ternary Metal Selenides for Energy Applications"	Completed			GEN
122	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Pinki Gaur	Full Time	14-52-05	Jul-14	"Synthesis and applications of secondary amine based compounds"	Completed			GEN
123	Applied Science	Applied Chemistry	Dr. Priyesh More	Kamakshi Gupta	Part Time	14-52-06	Jul-14	Development and study of nitramines (RDS & CL-20) based HTPB/AP/AI Composite Propellants	Jul-22	No		GEN
124	Applied Science	Applied Mathematics	Dr. Debasish Pradhan	Bhagwanji R Kapuriya	Part Time	14-51-06	Jan-14	"Image Segmentation using Various Local Structural Information"	Completed	No		GEN
125	Applied Science	Applied Mathematics	Dr. D Srikanth	Sohan Lal Niitharwal	Part Time	14-52-08	Jul-14	Analysis and Design of Cryptographic Primitives.	Jul-22	No		GEN
126	Applied Science	Applied Physics	Dr. P S Alegaonkar	Rakesh Kumar Kalal	Part Time	14-51-05	Jan-14	"Studies on thermophysical properties of propulsion system components and analysis"	Completed			OBC
127	Applied Science	Applied Physics	Prof. Sangeeta Kale	Chetan Suresh Chavan	Full Time	14-52-21	Jan-14	"Nano-antibiotic assisted drug delivery system in biological applications"	Completed			OBC

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128	Engineering	Computer Science & Engg	Dr. Upasana Singh	Nitesh k. Bharadwaj	Full Time	14-52-11	Jul-14	"Efficient Analysis Techniques for Storage Drive Forensics"	Completed			SC
129	Engineering	Computer Science & Engg	Dr. C R S Kumar	Tanmay Hazra	Full Time	14-52-12	Jul-14	Game-theoretic Target Selection and Search Strategies in Grids.	Completed			GEN
130	Engineering	Computer Science & Engg	Dr. Upasana Singh	Bhupendra Singh	Full Time	14-52-13	Jul-14	"Approaches for determining Anti-forensic techniques using program execution artifacts and file system metadata"	Completed			OBC
131	Engineering	Computer Science & Engg	Dr. Arun Mishra	Kushal Ajaybhai Anjaria	Full Time	14-52-14	Jul-14	"Design of Security Framework for Optimizing Information Leakage using Cybernetics"	Completed			GEN
132	Engineering	Computer Science & Engg	Dr. C R S Kumar	Monica R	Full Time	14-52-20	Jul-14	"Game - theoretic Approach to Cyber Security and Air Defence Systems"	Completed			GEN
133	Engineering	Electronics Engg	Dr. K Krishna Naik	Sagar Shiriram Salwe	Full Time	14-52-15	Jul-14	"Heterogeneous Wireless Communication Network for Coexistent Bluetooth and Wi-Fi"	Completed			SC
134	Engineering	Electronics Engg	Dr. K Krishna Naik	Ajit Singh	Full Time	14-52-16	Jul-14	NOMURA: A Non-orthogonal Multiple Access Scheme for Cognitive Radio	Completed			SC
135	Engineering	Metallurgical and Materials Engg	Dr. H S Panda	Bhupendra Singh Rawal	Part Time	14-51-01	Jan-14	"Development and characterization of alkali niobate based lead Free Piezoceramics for Vibration Energy Harvesting Application"	Completed			GEN
136	Engineering	Aerospace Engg	Dr. Ganapati Joshi	Nilavarasan T.	Full Time	15-52-01	Jul-15	"Flare-induced Shock Wave – Boundary Layer Interaction and its Control using Micro Vortex Generators"	Completed	Yes	DIAT	GEN
137	Engineering	Aerospace Engg	Dr. Ajay Misra	Dinesh Aravinth A.	Full Time	15-52-02	Jul-15	Aerospace structural vibration.	Jul-22	Yes	DIAT	GEN
138	Engineering	Aerospace Engg	Dr. Ajay Misra	Lokanna Hoskoti	Full Time	15-52-03	Jul-15	Modeling of aeroelastic vibration of a rotating blade	Completed			GEN
139	Applied Science	Applied Chemistry	Prof. P K Khanna	Prasad Ganesh Joshi	Part Time	15-51-01	Jan-15	Synthesis and characterization of novel nitrogen containing organo-chalcogen compounds and their metal complexes for applications in nanotechnology.	Thesis submitted	No		GEN
140	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Adigoppula Raju	Full Time	15-52-09	Jul-15	"Heat and Mass Transfer Analysis of the MHD Jeffrey and Couple Stress Fluid Flows through Porous Boundaries"	Completed			OBC
141	Applied Science	Applied Mathematics	Dr. Debasish Pradhan	Deepa Chakravarty	Full Time	15-52-10	Jul-15	Pattern recognition Image Processing	Jul-22	Yes	DIAT	GEN
142	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Arvind Kumar	Part Time	15-52-11	Jul-15	Cryptography and Cryptanalysis	Jul-22	No		GEN
143	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Kesetti Ramesh	Full Time	15-52-12	Jul-15	"Numerical Study of Entropy generation on convective non-Newtonian fluid flows"	Completed			GEN

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144	Applied Science	Applied Mathematics	Dr. D Srikanth	KM Surabhi	Full Time	15-52-13	Jul-15	Bio-Mechanics	Thesis submitted	Yes	DIAT	OBC
145	Applied Science	Applied Physics	Dr. Devnath Dhirhe	Aravind Kumar	Full Time	15-52-05	Jul-15	"Propagation of Optical Coherence Through Various Linear Optical Systems"	Completed			GEN
146	Applied Science	Applied Physics	Dr. Suwarna Datar	Gp Capt Ramesh Kumar Mishra	Part Time	15-52-07	Jul-15	Microwave shielding with metamaterials.	Jul-22	No		GEN
147	Applied Science	Applied Physics	Dr. Devnath Dhirhe	Nitika Gupta	Full Time	15-52-08	Jul-15	"Investigation of Electro-Optical Properties of III-V Quantum Dot Epitaxial Structure for High Power Quantum Dot Laser Application"	Completed	Yes	DIAT	GEN
148	Engineering	Electronics Engg	Dr. K Krishna Naik	Bhookya Sathish Nayak	Full Time	15-52-25	Jul-15	Design and implementation of continuous phase modulation receivers like SOQPSK, GMSK on FPGA.	Jul-22	Yes	DIAT	ST
149	Engineering	Metallurgical and Materials Engg	Dr. H S Panda	Viresh Kumar	Full Time	15-52-18	Jul-15	"Fabrication of pseudocapacitive electrode materials and their device for supercapacitor"	Completed	Yes	DIAT	SC
150	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Magisetty Raviprakash	Full Time	15-52-21	Jul-15	Electromagnetic Passiv Protection of Polymer Composites.	Completed			OBC
151	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Alex Daniel	Part Time	15-52-22	Jul-15	High Temperature Composites for Thermal Protection Systems	Completed			GEN
152	Engineering	Metallurgical and Materials Engg	Dr. Vijay Hiwarkar	Hemant Anandrao Deore	Full Time	15-52-24	Jul-15	"Additive Friction Stir Processing of Light Metal Alloys"	Completed			OBC
153	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Pankaj Kumar Choudha	Part Time	15-51-02	Jan-15	Investigation on effect of explosive shapes on fragmentation and blast performance characteristics of workpiece"	Completed			GEN
154	Engineering	Mechanical Engg	Prof. S K Panigrahi	Mithilesh Kumar Dewangan	Full Time	15-52-14	Jul-15	"Finite Element Analysis of Advanced Woven Composites with Multi-scale Modelling Undergoing Ballistic Impact"	Completed			GEN
155	Engineering	Mechanical Engg	Dr. D G Thakur	Balesh Ropia	Part Time	15-52-17	Jul-15	"Numerical And Experimental Studies On Maximum Pressure Rise In Double Base Propellant Rocket Motor"	Completed			OBC
156	Engineering	Aerospace Engg	Dr. Ajay Misra	Harikrishnan S	Part Time	16-51-05	Jan-16	Shaped charge jet penetration in concrete.	Jul-22	No		GEN
157	Engineering	Aerospace Engg	Dr. Ganapati Joshi	GS Biradar	Part Time	16-51-07	Jan-16	Experimental reduction of drag on the under water bodies using water tunnel method.	Jul-22	No		GEN
158	Applied Science	Applied Mathematics	Dr. S K Murthy	Girish Mishra	Part Time	16-51-01	Jan-16	Cryptology	Jul-22	No		GEN
159	Applied Science	Applied Physics	Dr. T M Bhawe	Prachi Uttam Ghoderao	Full Time	16-51-03	Jan-16	"Development and Study of Drug-Nanoparticles Complexes to Improve the Drug's Efficacy"	Completed			SC
160	Engineering	Electronics Engg	Dr. A Bazil Raj	Sameet Kiran Wagle	Part Time	16-51-02	Jan-16	Sensor Energy Efficiency System.	Jul-22	No		GEN

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161	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Sunil Jain	Part Time	16-52-01	Jul-16	"Studies on the Bimetallic Oxides as Burning Rate Modifiers for Composite Propellant Formulations"	Completed			GEN
162	Engineering	Metallurgical and Materials Engg	Dr. Vijay Hiwarkar	Pankaj Kumar Verma	Part Time	16-52-02	Jul-16	Fabrication & Evaluation of Properties of Metal Matrix Composites by Additive Manufacturing Process	Jul-22	No		GEN
163	Engineering	Metallurgical and Materials Engg	Dr. A C Abhyankar	Nijamuddin Khan	Part Time	16-52-03	Jul-16	Synthesis and Characterization of Novel Nano Catalytic Material for Application of Deep Hydrogenation and Hydroconversion of Fuel Component.	Thesis submitted	No		GEN
164	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Pawar Sushil Shantaram	Part Time	16-52-04	Jul-16	Self stratified self cleaning anticorrosive Intumescent coating.	Jul-22	No		GEN
165	Engineering	Metallurgical and Materials Engg	Dr. A C Abhyankar	Kaumudi Yadav	Full Time	16-52-06	Jul-16	Nanostructural Ferrites for strategic applications	Jul-22	Yes	DIAT	OBC
166	Applied Science	Applied Physics	Dr. T M Bhawe	Chinke Shamal Laxman	Full Time	16-52-07	Jul-16	Studies on graphene like nano-carbon for shock absorption applications.	Thesis submitted	Yes	DIAT	OBC
167	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Preeti	Full Time	16-52-08	Jul-16	Modelling of dusty jets and floating body motion in waves	Thesis submitted	Yes	DIAT	GEN
168	Engineering	Mechanical Engg	Dr. Sunil Nimje	Parate Bhupesh Ambadas	Part Time	16-52-09	Jul-16	"Experimental and Analytical Analysis of Water Jet Disruptor"	Completed			ST
169	Engineering	Computer Science & Engg	Dr. Manisha Nene	Sundeep Desai S	Part Time	16-52-10	Jul-16	"Trust Evaluation using Memory Integrity in Wireless Sensor Networks"	Completed			GEN
170	Engineering	Computer Science & Engg	Dr. Manisha Nene	Kale Preeti Amit	Part Time	16-52-11	Jul-16	"Heuristics for Scheduling Data Aggregation Trees in Wireless Sensor Networks"	Completed			GEN
171	Engineering	Aerospace Engg	Dr. Ajay Misra	R Abhilash	Part Time	16-52-12	Jul-16	Crack propagation in structures	Jul-22	No		GEN
172	Engineering	Aerospace Engg	Dr. Ajay Misra	Dhadekar Dinesh Dnyanoba	Full Time	16-52-13	Jul-16	"Robust Fault – Tolerant Control based on Uncertainty and Disturbance Estimation"	Completed			SC
173	Engineering	Electronics Engg	Prof. K P Ray	Somsing Rathod	Part Time	16-52-15	Jul-16	"Design of wideband components for transmit receive module"	Completed			SC
174	Engineering	Computer Science & Engg	Dr. Manisha Nene	Vikas Sood	Part Time	17-51-01	Jan-17	Modelling Cyber Physical Systems (CPS) for Military Applications.	Jan-23	No		GEN
175	Applied Science	Applied Chemistry	Dr. Priyesh More	Harmeet Singh Dalwani	Part Time	17-51-02	Jan-17	Studies on modification of HTPB & its application in propellant formulations.	Jan-23	No		GEN
176	Applied Science	Applied Chemistry	Prof. P K Khanna	Nandgopal S	Part Time	17-51-03	Jan-17	Studies on high energy propellant based on poly c3 methyl pentane dieladipale and nitrate ester.	Jan-23	No		GEN
177	Applied Science	Applied Chemistry	Dr. Chetan Bhogale	Sudhir	Part Time	17-51-04	Jan-17	Development of new propellant composition based on various binders and new explosive TKX-50	Jan-23	No		GEN
178	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Jayalakshmi C G	Part Time	17-51-05	Jan-17	Radar Absorbing Materials	Thesis submitted	No		GEN

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179	Engineering	Mechanical Engg	Dr. D G Thakur	Sukamal Adhikary	Part Time	17-51-06	Jan-17	"Experimental Assessment for Characterisation and Performance Evaluation of Magnesium/Teflon/Viton (MTV) Decoy Flares"	Completed	No		GEN
180	Engineering	Metallurgical and Materials Engg	Dr. Shanmugasundaram T	Ayush Verma	Part Time	17-52-01	Jul-17	FSW of aluminium alloys & metal matrix composite.	Jul-22	No		GEN
181	Engineering	Metallurgical and Materials Engg	Dr. Vijay Hiwarkar	Ajay Kumar Vishwakarma	Part Time	17-52-02	Jul-17	Effect of welding parameters on mechanical behavior of light metal alloys.	Jul-22	No		GEN
182	Engineering	Metallurgical and Materials Engg	Dr. Shanmugasundaram T	Sushil Yebaji	Full Time	17-52-03	Jul-17	Advancement in metal matrix composite.	Jul-22	Yes	DIAT	GEN
183	Applied Science	Applied Physics	Dr. A V R Murthy	Sagar Dinkar Kambe	Full Time	17-52-04	Jul-17	Nano mechanics of Bio-mometric membranes using single molecule force spectroscopy.	Thesis submitted	Yes	DIAT	SC
184	Applied Science	Applied Physics	Dr. Suwarna Datar	Panchal Suresh Vajinath	Full Time	17-52-05	Jul-17	Computational Imaging & Sensing.	Jul-22	Yes	DIAT	OBC
185	Applied Science	Applied Mathematics	Dr. Debasish Pradhan	Viwek Mahto	Part Time	17-52-06	Jul-17	Non-contact profiling of blast pressure by High Speed Imaging Techniques.	Jul-22	No		OBC
186	Engineering	Computer Science & Engg	Dr. Upasana Singh	Vivek Saxena	Part Time	17-52-08	Jul-17	Novel Techniques for Modeling structuring analysis and visualization of gospital big data	Jul-22	No		GEN
187	Engineering	Computer Science & Engg	Dr. Manisha Nene	R Gopeshwar Rao	Full Time	17-52-09	Jul-17	Big Data Analytics & Data Engineering.	Jul-22	Yes	DIAT	ST
188	Engineering	Mechanical Engg	Dr. D G Thakur	Naik Mahesh Anil	Full Time	18-51-01	Jan-18	Materials Research / Surface Engineering.	Jan-23	Yes	DIAT	OBC
189	Engineering	Mechanical Engg	Prof. S K Panigrahi	P Joshi	Part Time	18-51-02	Jan-18	Bombs with composite stress	Jan-23	No		GEN
190	Engineering	Aerospace Engg	Dr. Ajay Misra	Sqn Ldr Abhishek Dixit	Part Time	18-51-03	Jan-18	Robust Control Based Collision Avoidance Based Swarm of UAVs	Jan-23	No		GEN
191	Applied Science	Applied Physics	Dr. Suwarna Datar	Saurabh Parmar	Part Time	18-51-04	Jan-18	QTF Based Sensors	Jan-23	No		GEN
192	Engineering	Electronics Engg	Dr. A Bazil Raj	Harish Chandra Kumawat	Full Time	18-51-05	Jan-18	SAR/ISAR Radar Imaging Techniques.	Jan-23	Yes	DIAT	OBC
193	Engineering	Electronics Engg	Prof. K P Ray	Chaudhari Amar Dattatray	Full Time	18-51-06	Jan-18	Printed Antennas.	Thesis submitted	Yes	DIAT	OBC
194	Engineering	Electronics Engg	Dr. A Bazil Raj	Gaurav Sharma	Part Time	18-51-07	Jan-18	Inverse Synthetic Aperture Radar Imaging Techniques.	Jan-23	No		GEN
195	Engineering	Electronics Engg	Prof. K P Ray	MD. Hafizur Rahaman	Part Time	18-51-08	Jan-18	RF Communications - investigations for latest applications	Thesis submitted	No		GEN
196	Applied Science	Applied Mathematics	Dr. D Srikanth	Arpitha Ravikanti	Part Time	18-51-09	Jan-18	Biofluid Mechanics.	Jan-23	No		GEN
197	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Mada S S N M. Santhosh	Part Time	18-51-10	Jan-18	Reduced Smoke Advanced Energetic Solid Propellants for High Performance Propulsion Systems for Tactical Missiles.	Jan-23	No		OBC
198	Applied Science	Applied Chemistry	Dr. Chetan Bhogale	Satvilkar Prasad Vinayak	Part Time	18-51-11	Jan-18	Preparation and development of Electrocatalyst for Fuel Cell.	Jan-23	No		OBC

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199	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	R G Revaiah	Part Time	18-51-12	Jan-18	Studies on the coated technical textiles used for military applications.	Jan-23	No		GEN
200	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Pravin Kumar Mehta	Part Time	18-51-13	Jan-18	Leveraging Technology for Maximizing Indigenous Development in Critical Areas.	Thesis submitted	No		GEN
201	Applied Science	Applied Chemistry	Prof. P K Khanna	Priyanka	Full Time	18-52-01	Jul-18	Chemically Driven Nanostructured Molybdenum Chalcogenide for Energy Application.	Jul-23	Yes	DIAT	GEN
202	Applied Science	Applied Chemistry	Dr. Chetan Bhogale	Chaudhari Rahul Raman	Full Time	18-52-02	Jul-18	Development of organic-inorganic hybrid mesoscopic materials for various applications.	Jul-23	Yes	DIAT	OBC
203	Engineering	Mechanical Engg	Dr. Sunil Chandel	Ved Prakash	Full Time	18-52-04	Jul-18	CFD Analysis of Multiphase Flow.	Jul-23	Yes	DIAT	OBC
204	Engineering	Metallurgical and Materials Engg	Dr. Vijay Hiwarkar	Unissa Nichul	Full Time	18-52-05	Jul-18	Hot Deformation of Titanium Alloys.	Jul-23	Yes	DIAT	GEN
205	Engineering	Metallurgical and Materials Engg	Dr. H S Panda	Prashant Dixit	Part Time	18-52-06	Jul-18	Fabrication & Characterization of Lamellar Alumina Structure for Defence Application.	Jul-23	No		GEN
206	Engineering	Computer Science & Engg	Dr. Sunita Dhawale	Mainak Chakraborty	Full Time	18-52-07	Jul-18	Application of Artificial Intelligence for Cyber Security.	Jul-23	Yes	INAE	GEN
207	Engineering	Electronics Engg	Prof. K P Ray	Venugopal Kulkarni	Part Time	18-52-08	Jul-18	Target Attribute Enhancement Using MINO & Other Techniques	Jul-23	No		GEN
208	Applied Science	Applied Mathematics	Dr. S K Murthy	Sumant Kumar	Full Time	19-51-01	Jan-19	Fluid Flow through Porous Media	Jan-24	Yes	DIAT	GEN
209	Applied Science	Applied Mathematics	Dr. Debasish Pradhan	Kale Swapnil Vishwanath	Part Time	19-51-02	Jan-19	Numerical Solution to Partial Deferential Equations.	Jan-24	No		OBC
210	Engineering	Metallurgical and Materials Engg	Dr. Bhaskar Mujumdar	Dibyendu Debnath	Part Time	19-51-04	Jan-19	Al Alloys.	Jan-24	No		OBC
211	Engineering	Technology Management	Dr. Sumati Siddharth	Gopa Bhattacharya	Part Time	19-51-05	Jan-19	Concurrent Engineering Approach for Project Management in r/o New Product Development	Jan-24	No		GEN
212	Applied Science	Computer Science & Engg	Dr. Sunita Dhawale	Devraj Patel	Part Time	19-51-06	Jan-19	Computational Intelligence Technique for Video Security	Jan-24	No		GEN
213	Applied Science	Computer Science & Engg	Dr. Sunita Dhawale	Sudhir Arvind Deshmukh	Full Time	19-51-07	Jan-19	Biometric Video Surveillance Based on Machine Learning Technique.	Jan-24	Yes	DIAT	GEN
214	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Mulabagal Pradeep	Part Time	19-51-08	Jan-19	High Strain Rate Deformation Behaviour of Materials for Defence Applications	Jan-24	No		GEN
215	Engineering	Mechanical Engg	Dr. D G Thakur	R Anthoni Sagaya Selvan	Part Time	19-51-09	Jan-19	Processing of Advanced Materials	Jan-24	No		OBC
216	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Akash Madhav Dhas	Full Time	19-51-10	Jan-19	Synthesis & Characterization of High Energy Materials	Jan-24	Yes	DIAT	SC
217	Applied Science	Applied Physics	Dr. Suwarna Datar	Meena Kumari	Part Time	19-51-11	Jan-19	DFT Study on properties of few cubic type perovskites compounds using FPLAPW	Jan-24	No		GEN
218	Applied Science	Applied Physics	Dr. T M Bhawe	Akshaya Pisal	Full Time	19-51-12	Jan-19	Nanostructured Materials for sensing.	Jan-24	Yes	DIAT	GEN

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219	Applied Science	Applied Physics	Prof. Sangeeta Kale	Vivek Sanjay Kale	Part Time	19-51-13	Jan-19	Nanomaterials functionalized patterned structures for sensing.	Jan-24	No		GEN
220	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Abhishek Soni	Full Time	19-52-01	Jul-19	Mechanical characterization of materials/coating for defence applications.	Jul-24	Yes	DIAT	GEN
221	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Shubham Kumar Das	Full Time	19-52-03	Jul-19	Catalytic suppression of H2 flame for safe handling.	Jul-24	Yes	DIAT	GEN
222	Applied Science	Applied Physics	Prof. Sangeeta Kale	Kale Shravani Vijay	Full Time	19-52-04	Jul-19	Synthesis of mxene & its applications.	Jul-24	Yes	CSIR	GEN
223	Applied Science	Applied Physics	Dr. T M Bhawe	Patil Kalyanee Sadashiv	Full Time	19-52-05	Jul-19	Solar cell developments.	Jul-24	Yes	CSIR	OBC
224	Engineering	Electronics Engg	Prof. K P Ray	Deepankar Shri Gyan	Full Time	19-52-06	Jul-19	Mathematical modelling of experimentally optimized radiators.	Jul-24	Yes	DIAT	GEN
225	Engineering	Metallurgical and Materials Engg	Dr. Shanmugasundar	Ayush Sourav	Full Time	19-52-07	Jul-19	Welding of high entropy alloys.	Jul-24	Yes	DIAT	GEN
226	Engineering	Metallurgical and Materials Engg	Dr. T U Patro	Divyansh Upreti	Full Time	19-52-08	Jul-19	Development of functional polymeric membranes for water remediation.	Jul-24	Yes	DIAT	GEN
227	Applied Science	Applied Physics	Dr. Suwarna Datar	Vishwakarma Satyendra Subedar	Full Time	19-52-10	Jul-19	Development of Sensor System	Jul-24	Yes	CSIR	GEN
228	Engineering	Metallurgical and Materials Engg	Dr. Shanmugasundar	Sudeep Kumar T	Full Time	19-52-12	Jul-19	High Temperature Corrosion / High Entropy alloys	Jul-24	Yes	INAE	GEN
229	Engineering	Mechanical Engg	Dr. D G Thakur	Ohol Rajesh Baliram	Part Time	19-52-13	Jul-19	Failure Analysis of High Calibre Ammunitions	Jul-24	No		GEN
230	Engineering	Mechanical Engg	Dr. Sunil Nimje	Kumod Kumar Sharma	Part Time	19-52-14	Jul-19	Studies on use of layered ceramics for armour.	Jul-24	No		GEN
231	Engineering	Mechanical Engg	Dr. D G Thakur	Anish B Krishnan	Part Time	19-52-15	Jul-19	Design and Development of Solid Rocket Propellant mendsres	Jul-24	No		GEN
232	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Bipin Kumar Bihari	Part Time	19-52-16	Jul-19	Studies on Viscoelastic behavior of composite propellant.	Jul-24	No		GEN
233	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Surya Narain Lal	Part Time	19-52-17	Jul-19	Development and characterization of nanostructure adsorbent material for carbon dioxide capture	Jul-24	No		SC
234	Applied Science	Applied Physics	Prof. Sangeeta Kale	Vijay Pratap Mall	Part Time	19-52-18	Jul-19	Online process monitoring of curing of propellant and pressing of HE charges using NDE Techniques.	Jul-24	No		OBC
235	Engineering	Technology Management	Dr. Sumati Siddharth	Abhinav Kumar	Part Time	19-52-19	Jul-19	Motivation and attrition of SNCO's in IAF.	Jul-24	No		GEN
236	Engineering	Electronics Engg	Prof. K P Ray	Krishnendu Raha	Part Time	19-52-20	Jul-19	Dielectric Penetrating Radar.	Jul-24	No		GEN
237	Engineering	Technology Management	Dr. Nilesh Ware	Mushaq Basha	Part Time	19-52-21	Jul-19	Accelerated Life Testing & Simulation for Quality and Reliability assurance of Transmit Receive Modules (RF Modules).	Jul-24	No		GEN
238	Engineering	Technology Management	Dr. Nilesh Ware	Manmeet Singh	Part Time	19-52-22	Jul-19	Quality and Reliability Issues in R&D Organization	Jul-24	No		GEN


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239	Engineering	Metallurgical and Materials Engg	Dr. T U Patro	Rajkumar Wagmare	Part Time	19-52-23	Jul-19	Extrusion of continuous fiber reinforced thermoset polymer composite	Jul-24	No		SC
240	Engineering	Metallurgical and Materials Engg	Dr. T U Patro	Prakash Vislavath	Part Time	19-52-24	Jul-19	Effect of nanofillers on acoustic properties of elastomers	Jul-24	No		ST
241	Engineering	Technology Management	Dr. Nilesh Ware	Vaibhav Misra	Part Time	19-52-25	Jul-19	Energy Studies / Energy Security in Armed Forces.	Jul-24	No		GEN
242	Engineering	Technology Management	Dr. CP Ramanarayar	Radhakrishnan Hari Kumar	Part Time	19-52-26	Jul-19	Harnessing Artificial Intelligence for Optimal Maritime Security	Jul-24	No		GEN
243	Engineering	Electronics Engg	Prof. K P Ray	Duvvuri Seshagiri	Part Time	19-52-27	Jul-19	Development of air borne tracker.	Jul-24	No		GEN
244	Engineering	Electronics Engg	Prof. K P Ray	Kilari Sreenivasulu	Part Time	19-52-28	Jul-19	Development of RF and Digital Subsystem architectures for Digital Beam forming (DBF) phased arrays for multifunction radars.	Jul-24	No		GEN
245	Engineering	Mechanical Engg	Prof. S K Panigrahi	Manoj Kumar Sharma	Part Time	20-51-01	Jan-20	Mechanical Characterization of Damaged Tolerant Polymer Composites.	Jan-25	No		OBC
246	Engineering	Computer Science & Engg	Dr. Upasana Singh	Venkatesha K	Part Time	20-51-02	Jan-20	Artificial intelligence based target detection and tracking in phased array radar.	Jan-25	No		GEN
247	Engineering	Aerospace Engg	Dr. Ganapati Joshi	Vipin Yadav	Full Time	20-52-01	Jul-20	Aerodynamic Design & Analysis of UAV.	Jul-25	Yes	DIAT	OBC
248	Engineering	Metallurgical and Materials Engg	Prof. Balasubramanian K	Niranjana JP	Full Time	20-52-02	Jul-20	MXENE based Nanocomposites.	Jul-25	Yes	DIAT	OBC
249	Engineering	Metallurgical and Materials Engg	Dr. A C Abhyankar	Srujan Sunil Sapkal	Full Time	20-52-03	Jul-20	Magnetic and Transport Properties of High Entropy Alloys.	Jul-25	Yes	DIAT	GEN
250	Engineering	Computer Science & Engg	Dr. Upasana Singh	Manjeet Kumar Yadav	Full Time	20-52-05	Jul-20	Deep learning for human activity using video dataset for defence application in image and video processing.	Jul-25	Yes	DIAT	OBC
251	Engineering	Computer Science & Engg	Dr. Arun Mishra	Anupama Arjun Pandit	Full Time	20-52-06	Jul-20	Blockchain Technologies.	Jul-25	Yes	DIAT	OBC
252	Engineering	Mechanical Engg	Dr. Sunil Chandel	Shubham Tiwari	Full Time	20-52-08	Jul-20	Thrust Generation and Propulsion of Oscillating Airfoils.	Jul-25	Yes	DIAT	GEN
253	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Gaurav Sharma	Full Time	20-52-09	Jul-20	Effect of different additives on vibration damping.	Jul-25	Yes	DIAT	GEN
254	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Anand R	Part Time	20-52-10	Jul-20	Study of Active Mount Consist of Anti Vibrational Mounts	Jul-25	No		SC
255	Applied Science	Applied Physics	Prof. Sangeeta Kale	Rajat Srivastava	Full Time	20-52-11	Jul-20	Sensor System Designing and Implementation using Machine Learning.	Jul-25	Yes	DIAT	GEN
256	Applied Science	Applied Physics	Dr. Suwarna Datar	Bishakha Ray	Full Time	20-52-12	Jul-20	Sensor System Designing and Implementation using Machine Learning.	Jul-25	Yes	ICMR	GEN
257	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Yogesh Kumar	Full Time	20-52-13	Jul-20	High Nitrogen containing molecules.	Jul-25	Yes	DIAT	GEN

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258	Engineering	Technology Management	Dr. Sumati Siddharth	Brahmadev Sharma	Part Time	20-52-14	Jul-20	Strategic Management Projection	Jul-25	No		GEN
259	Engineering	Electronics Engg	Dr. A Bazil Raj	Sampurna De	Full Time	20-52-15	Jul-20	Design of dual-bank photonics radar.	Jul-25	Yes	DIAT	ST
260	Engineering	Electronics Engg	Prof. K P Ray	Geetika Verma	Full Time	20-52-16	Jul-20	Performance Analysis of RF/uW Materials using Agriculture waste adding suitable additions.	Jul-25	Yes	Women Scientist Scheme	GEN
261	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Prasanta Kumar Adak	Part Time	21-51-01	Jan-21	Development novel raw material and its process, characterization and application in energetic propellant formulation.	Jan-26	No		GEN
262	Engineering	Mechanical Engg	Dr. Sunil Chandel	Hipparkar Dattatraya Rama	Part Time	21-51-02	Jan-21	Shock isolation of underwater missile coming due to underwater explosions	Jan-26	No		OBC
263	Engineering	Mechanical Engg	Dr. D G Thakur	Vijay Shankar Mishra	Part Time	21-51-03	Jan-21	Hybrid polymer matrix nano composite	Jan-26	No		GEN
264	Engineering	Mechanical Engg	Dr. Sunil Chandel	Gokul Depuk TP	Part Time	21-51-04	Jan-21	CFD analysis of thermal management of electronic components.	Jan-26	No		GEN
265	Engineering	Electronics Engg	Prof. K P Ray	Sahebgowda S Patil	Part Time	21-51-05	Jan-21	Array Processing.	Jan-26	No		GEN
266	Engineering	Electronics Engg	Prof. K P Ray	Ajay Kumar Singh	Part Time	21-51-06	Jan-21	Performance enhancement of radio frequency trans receiver using meta material.	Jan-26	No		GEN
267	Engineering	Electronics Engg	Prof. K P Ray	M Sheik Althaf	Part Time	21-51-07	Jan-21	Discrimination of very high speed targets using dual polarisation.	Jan-26	No		OBC
268	Engineering	Electronics Engg	Prof. K P Ray	Vinod Singh Jadon	Part Time	21-51-08	Jan-21	Design and development of HF antenna for radars & other RF applications.	Jan-26	No		GEN
269	Applied Science	Applied Chemistry	Dr. Chetan Bhongale	Samprk Sekhar Purkayastha	Full Time	21-52-01	Jul-21	Development of nanocomposites through biomemetic approach.	Jul-26	Yes	DIAT	GEN
270	Applied Science	Applied Chemistry	Dr. Prashant Kulkarn	Prathamesh Rajendra Ranjane	Full Time	21-52-02	Jul-21	Phase change materials and their applications	Jul-26	Yes	DIAT	GEN
271	Applied Science	Applied Chemistry	Prof P K Khanna	J G Bhujbal	Part Time	21-52-03	Jul-21	Studies on various boron derivatives and binders for fuel rich propellant.	Jul-26	No		OBC
272	Applied ScienAce	Applied Maths	Dr. S. K. Murthy	Deepika Parmar	Full Time	21-52-04	Jul-21	Fluid Flow Porous Media	Jul-26	Yes	DIAT	GEN
273	Applied ScienAce	Applied Physics	Prof Sangeeta Kale	Bijoy K P	Part Time	21-52-06	Jul-21	Not yet decided	Jul-26	No		GEN
274	Applied ScienAce	Applied Physics	Dr. Devnath Dhirhe	Sahil Saini	Part Time	21-52-07	Jul-21	Not yet decided	Jul-26	No		GEN
275	Engineering	Computer Engg	Dr. Deepti Vidyarthi	Jagdish Shivamurthy	Part Time	21-52-08	Jul-21	AI based formalization of requirements written in natural language for safety critical software.	Jul-26	No		GEN
276	Engineering	Computer Engg	Dr. Manisha Nene	Nazmul Hasan	Full Time	21-52-09	Jul-21	Cyber Physical System	Jul-26	No		GEN
277	Engineering	Materials Engg	Dr Himanshu S Panda	Arpit Bhojraj Mendhe	Full Time	21-52-10	Jul-21	Not yet decided	Jul-26	Yes	DIAT	GEN
278	Engineering	Materials Engg	Dr T U Patro	Rupesh Sagun Naik	Part Time	21-52-11	Jul-21	Development of corrosion resistant Infra-Red reflective coating for structure of Naval Ships.	Jul-26	No		OBC
279	Engineering	Materials Engg	Prof K Balasubramanian	Jayakumar S	Part Time	21-52-12	Jul-21	Not yet decided	Jul-26	No		GEN

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280	Engineering	Mechanical Engg	Prof. S K Panigrahi	Pranay Vaggu	Full Time	21-52-13	Jul-21	Design and Development of New Projectiles and Armour's Under Low Velocity Impact	Jul-26	Yes	DIAT	SC
281	Engineering	Mechanical Engg	Dr. Sunil Nimje	Praveen Kumar	Full Time	21-52-14	Jul-21	Not yet decided	Jul-26	Yes	DIAT	EWS
282	Engineering	Mechanical Engg	Dr. Pankaj Sharma	Rajeev Jain	Part Time	21-52-15	Jul-21	Design and Validation of Double Acting Blast Valve	Jul-26	No		GEN
283	Engineering	Mechanical Engg	Prof. S K Panigrahi	T V Yogesh	Part Time	21-52-16	Jul-21	Not yet decided	Jul-26	No		OBC
284	Engineering	Mechanical Engg	Dr. D G Thakur	Divyanshu Morghode	Part Time	21-52-17	Jul-21	Numerical and experimental analysis of impact of high velocity projectile on armour materials.	Jul-26	No		GEN
285	Engineering	Mechanical Engg	Dr Sunil Chandel	Md. Mahbubur Rahman	Full Time	21-52-18	Jul-21	Heat transfer enhancement using nanofluid in a heat exchange.	Jul-26	No		GEN
286	Engineering	School of Robotics	Dr. Pooja Agarwal	Prajakta Vinod Koratkar	Part Time	21-52-19	Jul-21	Robot Control and Motion Planning.	Jul-26	No		GEN
287	Engineering	Electronics Engg	Dr. A A Bazil Raj	Nargis Akhter	Full Time	21-52-20	Jul-21	Design of photonics radar with associated micro-doppler imaging algorithms suitable for near future low, small and slow aerial targets detection and classification.	Jul-26	No		GEN
288	Engineering	Electronics Engg	Dr. Rishi Raj Sharma	Kazi Newaj Faisal	Full Time	21-52-21	Jul-21	Signal Processing using Machine Learning	Jul-26	No		GEN
289	Engineering	School of Quantum	Prof. G Raghwan	Amit	Full Time	21-52-22	Jul-21	Not yet decided	Jul-26	Yes	DIAT	EWS
290	Engineering	School of Quantum	Prof. G Raghwan	Nilesh Rajput	Full Time	21-52-23	Jul-21	Not yet decided	Jul-26	Yes	DIAT	GEN
291	Applied Science	Applied Physics	Dr. Devnath Dhirhe	Ossa baye Leka	Full Time	21-52-24	Jul-21	Free space optical communication and photonics.	Jul-26	No		GEN
292	Engineering	Aerospace Engg	Dr Ajay Misra	Balraj Sharma	Part Time	22-51-01	Jan-22	Robust control for Aerospace Applications.	Jan-27	No		GEN
293	Applied Science	Applied Mathematics	Dr Odelu Ojjela	Kathuroju Santhosh Kumar	Full Time	22-51-02	Jan-22	Fluid Mechanics with Emphasis Heat & Mass Transfer.	Jan-27	Yes	DIAT	OBC
294	Applied Science	Applied Physics	Dr. Devnath Dhirhe	Praveen Kumar Gond	Part Time	22-51-03	Jan-22	Design and Development of Quantum Cascade.	Jan-27	No		SC
295	Engineering	Computer Engg	Dr Upasna Singh	Waghumbore Ajay Ashokrao	Full Time	22-51-04	Jan-22	Human Activity Recognition.	Jan-27	Yes	DIAT	OBC
296	Engineering	Computer Engg	Dr. Manisha Nene	Atul Vasant Rao Nirpase	Part Time	22-51-05	Jan-22	Internet of things and artificial intelligence & machine learning.	Jan-27	No		GEN
297	Engineering	Electronics Engg	Prof K P Ray	Pasupula Ajay Prudhvi Raj	Part Time	22-51-06	Jan-22	Antenna Array Design in HF/UHF Range for Radar Applications.	Jan-27	No		GEN
298	Engineering	Electronics Engg	Dr. A A Bazil Raj	Chinchu Joseph	Part Time	22-51-07	Jan-22	Advanced modulation techniques for high data rates weather independent free space optical data link.	Jan-27	No		GEN
299	Engineering	Electronics Engg	Dr. Rishi Raj Sharma	Sachin Bhingikar	Full Time	22-51-08	Jan-22	Advanced Signal Processing Method for Humanoid Robot Development.	Jan-27	Yes	Maulana Azad Minority Fellowship	SC
300	Engineering	School of Robotics	Dr. Soumya S	Jaywant Pandurang Kolhe	Part Time	22-51-09	Jan-22	Robust control of humanoid robot using disturbance estimation.	Jan-27	No		GEN
301	Engineering	School of Robotics	Dr. Pooja Agarwal	Rekha Sree Korlipara	Part Time	22-51-10	Jan-22	Electrical machine fault diagnosis by using advanced digital signal processing techniques.	Jan-27	No		GEN

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302	Engineering	Technology Manag	Dr. Sumati Siddharth	Kiran Govind V	Part Time	22-51-11	Jan-22	A study on the effect of team flow experience on individual / team performance in Defence Research and Development Organization..	Jan-27	No		GEN
303	Engineering	Technology Manag	Dr. Nilesh Ware	Premprakash Y Borse	Part Time	22-51-12	Jan-22	Project risk management and design failure mode of effect analysis.	Jan-27	No		GEN
304	Engineering	Materials Engg	Dr Himanshu S Panda	Subham	Part Time	22-51-13	Jan-22	Fiber reinforced composite for vibration damping application	Jan-27	No		GEN
305	Applied Science	Applied Chemistry	Prof P K Khanna	Naeem Mohammad	Full Time	22-51-14	Jan-22	Tunable Metal Telluride QD's for Energy Applications	Jan-27	Yes	DST	GEN

***Thesis title are provisional of those students who has yet to submit thesis.**


 (Signature and Office Seal of the Dean (Academic Affairs))

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 Dean (Academics),
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