

**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
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		
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		
3	Engineering	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		
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		
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		
6	Engineering	Mechanical Engg	Dr. S K Panigrahi	Niranjan Sarangi	Part Time	07-52-01	Jul-07	Fatigue Life Evaluation of an Aero Engine Combustor Casting.	Completed		
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		
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		
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		
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		
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		
12	Engineering	Materials Engg	Dr. T U Patro	SS Panwar	Part Time	07-52-04	Jul-07	Thermal Barrier Coatings for High Temperature Applications	Completed		
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		

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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		
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		
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 Ultrahydrophilic coatings, pH Sensing and Cadmium Ions Detection.	Completed		
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		
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		
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		
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		
21	Applied Science	Applied Mathematics	Dr. S D Naik	PV Arulkar	Full Time	08-51-09	Jan-08	Optimisation of Lambert Problem Using Dynamical Approach	Completed		
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		
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		
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		
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		

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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		
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		
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		
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		
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		
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		
32	Applied Science	Applied Physics	Dr. Prashant 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		
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		
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		
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		
36	Engineering	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		

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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		
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		
39	Applied Science	Applied Physics	Dr. T M Bhave	Yadvendra Nath Gupta	Part Time	09-52-04	Jul-09	Crystallization kinetics and shape memory characteristics of segmented polyurethane composites	Completed		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		

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50	Applied Science	Applied Physics	Dr. Tejashree Bhavde	V Naresh Kumar	Full Time	11-51-03	Jan-11	Simulation and Fabrication of Active & Passive Micro-mixer for Biomedical and Chemical Applications	Completed		
51	Engineering	Materials Engg	Dr. A C Abhyankar	Manjeet Kumar	Full Time	11-51-04	Jan-11	Nanostructured SnO <sub>2</sub> based sensors with improved response and recovery time	Completed		
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		
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		
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		
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		
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		
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		
58	Engineering	Electronics Engg	Dr. K Krishna Naik	M Sreenivasa Rao	Part Time	11-52-06	Jul-11	Study of PRI De-interleaving and angle of Arrival estimation for unknown Radar Signals.	Aug-17	No	
59	Engineering	Materials Engg	Dr. A C Abhyankar	Gopal Dutt	Full Time	11-52-09	Jul-11	Solar cells based on nanomaterials.	Thesis Submitted	Yes	NANO Project
60	Engineering	Mechanical Engg	Prof. S K Panigrahi	Sunil Tyagi	Part Time	11-52-01	Jul-11	An integrated fault diagnosis architecture for marine machinery.	Aug-17	No	
61	Engineering	Materials Engg	Prof. Balasubramanian K	Bichitra Nanda Sahoo	Full Time	12-51-11	Jan-12	Carbon-Based Nanostructured Environmentally Benign Superhydrophobic Composite Surfaces	Completed		

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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		
63	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Sanjeevani Hemant Sonawane	Part Time	12-51-03	Jan-12	Prospective melt cast and nitrogen rich compounds for explosives and propellants	Thesis Submitted	No	
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		
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		
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		
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		
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	No	
69	Applied Science	Applied Mathematics	Dr. Odelu 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		
70	Applied Science	Applied Physics	Prof. Sangeeta Kale	B Vijaya Bhaskara Rao	Full Time	12-51-14	Jan-12	Nanocomposites based on Fe <sub>3</sub> O <sub>4</sub> and Carbon Nanostructures for Electromagnetic Interference Shielding and Microwave Absorption Applications.	Completed		
71	Applied Science	Applied Physics	Dr. T M Bhawe	Gp Cap A K Swarnkar	Part Time	12-52-01	Jul-12	Develop the Economical and efficient solar power supply module for remote IEAF based.	Jul-18	No	

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72	Applied Science	Applied Physics	Dr. T M Bhawe	Wg Cdr Himanshu Agarwal	Part Time	12-52-02	Jul-12	Miniature Hydrogen Fuel cell based on nano porous silicon.	Jul-18	No	
73	Applied Science	Applied Physics	Dr. P S Alegaonkar	Inderpal Singh Sandhu	Part Time	12-52-05	Jul-12	Carbon Nano Tubes, Properties and Potential Defence Application.	Jul-18	No	
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		
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		
76	Applied Science	Applied Physics	Prof. Sangeeta Kale	Shankar Ashok Gaware	Full Time	12-52-18	Jul-12	Synthesis of metal oxide nanoparticles and its polymer for Biomedical Application.	Jul-18	Yes	DIAT
77	Engineering	Computer Science & Engg	Dr. C R S Kumar	Deepti Vidyarthi	Part Time	12-52-07	Jul-12	Static Techniques for Malware Management Reverse Engineering.	Jul-18	No	
78	Engineering	Computer Science & Engg	Dr. Arun Mishra	Thite Anita Tukaram	Full Time	12-52-13	Jul-12	Optimized Multi-Sensor Multi-Target Tracking Algorithm for Air Defence System : Modelling and Simulation.	Jul-18	Yes	DIAT
79	Engineering	Computer Science & Engg	Dr. Arun Mishra	Wadkar Harshad Suryakant	Part Time	12-52-14	Jul-12	To design Client-side Secure Web Browsing Framework.	Jul-18	No	
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		
81	Engineering	Electronics Engg	Dr. K Krishna Naik	Pawar Vanita Gangadhar	Full Time	12-52-11	Jul-12	Communication based signal processing.	Thesis Submitted	Yes	DIAT
82	Engineering	Materials Engg	Prof. Balasubramanian K	Wg Cdr Tirumalai Manoj	Part Time	12-51-01	Jan-12	Functional grade composites of epoxy.	Thesis Submitted	No	
83	Engineering	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		

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84	Engineering	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		
85	Engineering	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		
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		
87	Engineering	Mechanical Engg	Dr. Sunil Chandel	Mukesh Prakash Mishra	Part Time	12-52-04	Jan-12	Design of cooling configuration of a typical high pressure turbine nozzle guide vane of an axial flow aero gas turbine engine at advanced turbine entry temperature.	Jul-18	No	
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		
89	Engineering	Aerospace Engg	Prof. S E Talole	Lt Cdr Swarup Das	Part Time	13-51-02	Jan-13	Uncertainty estimation and platform stabilization.	Thesis Submitted	No	
90	Applied Science	Applied Chemistry	Dr. Chetan Bhogale	Sunil Dahiwal	Part Time	13-51-05	Jan-13	Study of Dinitro Diaza Alkane (DNDA) and DEGDN based SB/DB/TB Propellants.	Jul-18	No	
91	Applied Science	Applied Chemistry	Dr. Chetan Bhogale	Dombe G S	Part Time	13-51-06	Jan-13	Studies on Twin Screw Continuous Mixing and Rheology of Concentrated Suspensions for Application in Composite Propellants.	Completed	No	
92	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Mrinal Ghosh	Part Time	13-51-07	Jan-13	Synthesis, crystallization and property evaluation of high explosives.	Jul-18	No	
93	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	S Swati	Full Time	13-52-03	Jul-13	Synthesis and applications of phase change materials.	Jul-18	Yes	DIAT
94	Applied Science	Applied Chemistry	Dr. Prashant Kulkarni	Raut Sandesh Sanjay	Full Time	13-52-16	Jul-13	Applications of advanced oxidation processes for treatment of organic compounds.	Jul-18	Yes	NANO Project

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95	Applied Science	Applied Mathematics	Prof. Samir K Das	Venkata Sudarsan Nanduri	Part Time	13-51-08	Jan-13	Gun propellant modelling & simulation studies	Jan-18	No	
96	Applied Science	Applied Mathematics	Prof. Samir K Das	Shaikh Bushraa Yasin	Full Time	13-52-08	Jul-13	Mathematical Modelling of Groundwater-surface water interaction	Jul-18	Yes	DIAT
97	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Pravin Kashyap Kambhatla	Full Time	13-52-11	Jul-13	Effect of Temperature dependent thermal conductivity on unsteady upper convected Maxwell fluid flow in a porous channel with Hall and Ion Slip	Jul-18	Yes	UGC
98	Applied Science	Applied Mathematics	Dr. S K Murthy	Vinay Kumar	Full Time	13-52-14	Jul-13	Fluid flow through porous media	Jul-18	Yes	DIAT
99	Applied Science	Applied Physics	Dr. Suwarna Datar	Pradeep Kumar V	Part Time	13-51-09	Jan-13	High Energy Capacitor Based pulsed power system for electromagnetic launch of hypervelocity projectiles.	Jul-18	No	
100	Applied Science	Applied Physics	Dr. Suwarna Datar	Sanghamitra Acharya	Full Time	13-52-07	Jul-13	Carbon nanocomposite for ENI shielding.	Jul-18	Yes	DIAT
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		
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		
103	Applied Science	Applied Physics	Prof. Sangeeta Kale	Preetam Bala	Full Time	13-52-06	Jul-13	Development of polymer or lipid based transdermal drug delivery system and evaluation of their efficacy.	Aug-18	Yes	DIAT
104	Applied Science	Applied Physics	Dr. P S Alegaonkar	Joglekar Shreeram Suresh	Full Time	13-52-09	Jul-13	Development of biosensors using nanomaterial for premedical diagnosis.	Jul-18	Yes	DIAT
105	Engineering	Materials Engg	Dr. T U Patro	Arbade Gajanan Kashinathrao	Full Time	13-52-12	Jul-13	Nanofiber patches for anti-microbial applications.	Jul-18	Yes	DIAT
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 coastal surveillance.	Jul-18	No	
107	Engineering	Computer Science & Engg	Dr. Upasana Singh	Pankaj Choudhray	Full Time	13-52-15	Jul-13	Social Network Analysis for Counter-Terrorism.	Jul-18	Yes	DIAT
108	Engineering	Computer Science & Engg	Dr. C R S Kumar	M Selva Balan	Part Time	13-52-19	Jul-13	Under water image processing.	Jul-18	No	

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109	Engineering	Electronics Engg	Dr. N Suresh Kumar	Gorakh Nath Chaubey	Full Time	13-52-01	Jul-13	SAR Signal Processing.	Jul-18	Yes	DIAT
110	Engineering	Electronics Engg	Dr. K Krishna Naik	Amit Naik	Full Time	13-52-17	Jul-13	Reconfigurable Software Defined Radio (SDR) based Multiband Transceiver.	Jul-18	Yes	INAE
111	Engineering	Electronics Engg	Dr. C R S Kumar	Raji George	Full Time	13-52-18	Jul-13	MEMS based Rf Application.	Jul-18	Yes	DIAT
112	Engineering	Materials Engg	Prof. Balasubramanian K	H H Kumar	Part Time	13-52-20	Jul-13	Piezoelectric materials for energy harvesting.	Thesis Submitted	No	
113	Engineering	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	No	
114	Engineering	Materials Engg	Dr. H S Panda	K Suresh Chary	Part Time	13-52-24	Jul-13	Piezo electric composite for strategic application.	Jul-18	No	
115	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Ambuj Saxena	Full Time	13-52-04	Jul-13	Study of the low strain rate and high strain rate behaviour on FGM materials.	Jul-18	Yes	DIAT
116	Engineering	Mechanical Engg	Dr. D G Thakur	Mohd Imran Ansari	Full Time	13-52-05	Jul-13	Impact dynamics of composite structures.	Thesis Submitted	Yes	DIAT
117	Engineering	Mechanical Engg	Prof. S K Panigrahi	Cdr Mahapatra Kavikant	Part Time	13-52-21	Jul-13	Vibration footprint for varying propulsion systems.	Jul-18	No	
118	Engineering	Aerospace Engg	Prof. S E Talole	G Naresh Kumar	Part Time	14-51-08	Jan-14	Robust control design for autonomous underwater vehicle.	Thesis Submitted	No	
119	Engineering	Aerospace Engg	Prof. S E Talole	Bhavnes Panchal	Full Time	14-52-01	Jul-14	Robust predictive control	Thesis Submitted	Yes	DIAT
120	Engineering	Aerospace Engg	Prof. S E Talole	Adarsh Kodhanda	Full Time	14-52-02	Jul-14	UDE based control system.	Jul-19	Yes	DIAT
121	Engineering	Aerospace Engg	Dr. Ajay Misra	Manish Tripathi	Full Time	14-52-03	Jul-14	Grid fin aerodynamics.	Jul-19	Yes	DIAT
122	Applied Science	Applied Chemistry	Prof. P K Khanna	Sukeshni Rawal	Part Time	14-51-03	Jan-14	Studies on effect of various fuels, oxidizers, energetic binders and nitramines on combustion behaviour, sensitivity and mechanical properties of igniter compositions for solid rocket propellant.	Jan-19	No	

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123	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Kavita Ghosh	Part Time	14-51-04	Jan-14	Preparation and characterization of HTPB based polymer/clay nanocomposite and their evaluation in composite propellant for their physical, mechanical and ballistic properties.	Jan-19	No	
124	Applied Science	Applied Chemistry	Prof. P K Khanna	Anuraj S. Kshirsagar	Full Time	14-52-04	Jul-14	Organochalcogen compounds for ternary chalcogenide materials.	Jul-19	Yes	DIAT
125	Applied Science	Applied Chemistry	Dr. Shaibal Banerjee	Pinki Gaur	Full Time	14-52-05	Jul-14	Exploring metal catalyzed reactions towards synthesis of novel energetic compounds	Jul-19	Yes	UGC
126	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/Al Composite Propellants	Jul-19	No	
127	Applied Science	Applied Mathematics	Dr. Debasish Pradhan	Bhagwanji R Kapuriya	Part Time	14-51-06	Jan-14	Image Enhancement Techniques Based on Partial Differential Equations.	Jan-19	No	
128	Applied Science	Applied Mathematics	Dr. D Srikanth	Sohan Lal Nitharwal	Part Time	14-52-08	Jul-14	Analysis and Design of Cryptographic Primitives.	Jul-19	No	
129	Applied Science	Applied Physics	Dr. P S Alegaonkar	Rakesh Kumar Kalal	Part Time	14-51-05	Jan-14	Thermo-physical property measurement and evaluation of HEiMs.	Jan-19	No	
130	Applied Science	Applied Physics	Prof. Sangeeta Kale	Chetan Suresh Chavan	Full Time	14-52-21	Jan-14	Polymeric nanoparticles for drug delivery application.	Aug-19	Yes	DBT
131	Engineering	Computer Science & Engg	Dr. C R S Kumar	Shreevyas H M	Part Time	14-51-09	Jan-14	Network Anomaly Detection of DoS/DDoS Attacks Using Advanced Machine Learning.	Jan-19	No	
132	Engineering	Computer Science & Engg	Dr. Upasana Singh	Nitesh k. Bharadwaj	Full Time	14-52-11	Jul-14	Digital forensics, soft computing, trusted computing and data mining.	Jul-19	Yes	DIAT
133	Engineering	Computer Science & Engg	Dr. C R S Kumar	Tanmay Hazra	Full Time	14-52-12	Jul-14	Game Theory Based Targeted Searching in Bounded Space Using Wireless Sensor Networks.	Jul-19	Yes	DIAT
134	Engineering	Computer Science & Engg	Dr. Upasana Singh	Bhupendra Singh	Full Time	14-52-13	Jul-14	Digital Profiling in Windows Using Diversified Logs.	Jul-19	Yes	DIAT
135	Engineering	Computer Science & Engg	Dr. Arun Mishra	Kushal Ajaybhai Anjaria	Full Time	14-52-14	Jul-14	Information Leakage: Quantitative Analysis and Minimization Framework for Multithreaded Environment.	Jul-19	Yes	DIAT

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136	Engineering	Computer Science & Engg	Dr. C R S Kumar	Monica R	Full Time	14-52-20	Jul-14	Application of Game Theoretic Techniques to Emerging Warfare Scenarios.	May-19	Yes	INAE
137	Engineering	Electronics Engg	Dr. K Krishna Naik	Sagar Shriram Salwe	Full Time	14-52-15	Jul-14	Heterogeneous wireless network for global communication.	Jul-19	Yes	DIAT
138	Engineering	Electronics Engg	Dr. K Krishna Naik	Ajit Singh	Full Time	14-52-16	Jul-14	Cognitive Radio for Cooperative Sensing Applications.	Jul-19	Yes	DIAT
139	Engineering	Materials Engg	Dr. H S Panda	Bhupendra Singh Rawal	Part Time	14-51-01	Jan-14	Development of lead free piezoceramics for underwater application.	Jan-19	No	
140	Engineering	Mechanical Engg	Dr. Sunil Chandel	Wg Cdr G. Akhil Kumar	Part Time	14-52-19	Jul-14	Study of wing icing using CFD.	Jul-19	No	
141	Engineering	Aerospace Engg	Dr. Ganapati Joshi	Nilavarasan T.	Full Time	15-52-01	Jul-15	Flow control in subsonic and supersonic regimes.	Jul-20	Yes	DIAT
142	Engineering	Aerospace Engg	Dr. Ajay Misra	Dinesh Aravinth A.	Full Time	15-52-02	Jul-15	Aerospace structural vibration.	Jul-20	Yes	DIAT
143	Engineering	Aerospace Engg	Dr. Ajay Misra	Lokanna Hoskoti	Full Time	15-52-03	Jul-15	Fluid structure interaction.	Jul-20	Yes	DIAT
144	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.	Jan-20	No	
145	Applied Science	Applied Mathematics	Prof. Samir K Das	Lt. Col. Pankaj Kumar Sinha	Part Time	15-51-05	Jan-15	Analysis of crew work stations of an armoured fighting vehicle (AFV) through mathematical modelling and simulation.	Jan-20	No	
146	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Adigoppula Raju	Full Time	15-52-09	Jul-15	Fluid Mechanics	Jul-20	Yes	DIAT
147	Applied Science	Applied Mathematics	Dr. Debasish Pradhan	Deepa Chakravarty	Full Time	15-52-10	Jul-15	Pattern recognition Image Processing	Jul-20	Yes	DIAT
148	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Arvind Kumar	Part Time	15-52-11	Jul-15	Cryptography and Cryptanalysis	Jul-20	No	
149	Applied Science	Applied Mathematics	Dr. Odelu Ojjela	Kesetti Ramesh	Full Time	15-52-12	Jul-15	Fluid Mechanics	Jul-20	Yes	DIAT
150	Applied Science	Applied Mathematics	Dr. D Srikanth	KM Surabhi	Full Time	15-52-13	Jul-15	Bio-Mechanics	Jul-20	Yes	DIAT

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151	Applied Science	Applied Physics	Dr. Devnath Dhirhe	Aravind Kumar	Full Time	15-52-05	Jul-15	Physics of optical properties of semiconductors and lasers.	Jul-20	Yes	DIAT
152	Applied Science	Applied Physics	Dr. Suwarna Datar	Gp Capt Ramesh Kumar Mishra	Part Time	15-52-07	Jul-15	Microwave shielding with metamaterials.	Jul-20	No	
153	Applied Science	Applied Physics	Dr. Devnath Dhirhe	Nitika Gupta	Full Time	15-52-08	Jul-15	Physics of optics and lasers.	Jul-20	Yes	DIAT
154	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-20	Yes	DIAT
155	Engineering	Materials Engg	Dr. T U Patro	Lt. Col. Rajeev Ranjan	Part Time	15-51-04	Jan-15	Icephobic and hydrophobic coatings.	Jan-20	No	
156	Engineering	Materials Engg	Dr. H S Panda	Viresh Kumar	Full Time	15-52-18	Jul-15	Metal-oxide based electrodes materials for supercapacitors.	Jul-20	Yes	DIAT
157	Engineering	Materials Engg	Prof. Balasubramanian K	Magisetty Raviprakash	Full Time	15-52-21	Jul-15	Radar absorbing composites.	Jul-19	Yes	DIAT
158	Engineering	Materials Engg	Prof. Balasubramanian K	Alex Daniel	Part Time	15-52-22	Jul-15	Ablative composites.	Jul-20	No	
159	Engineering	Materials Engg	Dr. Vijay Hiwarkar	Hemant Anandrao Deore	Full Time	15-52-24	Jul-15	Use of FSW/FSP Technology to improve mechanical properties of light weight metals for advanced application.	Jul-19		
160	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Pankaj Kumar Choudha	Part Time	15-51-02	Jan-15	High strain rate material behaviour for defence application.	Jan-19	No	
161	Engineering	Mechanical Engg	Prof. S K Panigrahi	Mithilesh Kumar Dewangan	Full Time	15-52-14	Jul-15	Impact analysis of adhesively bonded smart composite plates and shells.	Jul-20	Yes	DIAT
162	Engineering	Mechanical Engg	Dr. D G Thakur	Balesh Ropia	Part Time	15-52-17	Jul-15	Ballistic analysis and parametric studies of dynamic evaluation of nano rocket motors.	Jul-20	No	
163	Engineering	Aerospace Engg	Dr. Ajay Misra	Wg Cdr Ajay Murlidhar Mahajan	Part Time	16-51-04	Jan-16	To study and design effective wing profile for glide kit of aerial bomb to operate in subsonic flow regime.	Jan-21	No	
164	Engineering	Aerospace Engg	Dr. Ajay Misra	Harikrishnan S	Part Time	16-51-05	Jan-16	Shaped charge jet penetration in concrete.	Jan-21	No	

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165	Engineering	Aerospace Engg	Dr. Ajay Misra	Cdr Lalit Sharma	Part Time	16-51-06	Jan-16	Transmission path analysis of marine vessels machinery.	Jan-21	No	
166	Engineering	Aerospace Engg	Dr. Ganapati Joshi	Lt Cdr GS Biradar	Part Time	16-51-07	Jan-16	Experimental reduction of drag on the under water bodies using water tunnel method.	Jan-21		
167	Applied Science	Applied Mathematics	Dr. S K Murthy	Girish Mishra	Part Time	16-51-01	Jan-16	Cryptology	Jan-21	No	
168	Applied Science	Applied Physics	Dr. T M Bhawe	Prachi Uttam Ghoderao	Full Time	16-51-03	Jan-16	Targetted drug delivery using Nanotechnology.	Jan-21	Yes	BARTI
169	Engineering	Electronics Engg	Dr. A Bazil Raj	Wg Cdr Sameet Kiran Wagle	Part Time	16-51-02	Jan-16	Sensor Energy Efficiency System.	Jan-21	No	
170	Engineering	Materials Engg	Prof. Balasubramanian K	Sunil Jain	Part Time	16-52-01	Jul-16	Studies on Rheological, Mechanical, Thermal, and Ballistic Properties of Composite Propellant formulations using Perovskite type mixed oxides and Metallo organic compounds.	Jul-21	No	
171	Engineering	Materials Engg	Dr. Vijay Hiwarkar	Pankaj Kumar Verma	Part Time	16-52-02	Jul-16	Yet to decide	Oct-20	No	
172	Engineering	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.	Jul-21	No	
173	Engineering	Materials Engg	Prof. Balasubramanian K	Pawar Sushil Shantaram	Part Time	16-52-04	Jul-16	Self stratified self cleaning anticorrosive Intumescent coating.	Jul-21	No	
174	Engineering	Materials Engg	Dr T U Patro	Jeetendra Kumar Banshiwal	Part Time	16-52-05	Jul-16	Self-healing Nanocomposite for Defence Structural components.	Jul-21	No	
175	Engineering	Materials Engg	Dr A C Abhaykar	Kaumudi Yadav	Full Time	16-52-06	Jul-16	Nanostructural Ferrites for strategic applications	Jul-21	Yes	DIAT
176	Applied Science	Applied Physics	Dr. P S Alegaonkar	Chinke Shamal Laxman	Full Time	16-52-07	Jul-16	Yet to decide	Jul-21	Yes	DIAT
177	Applied Science	Applied Mathematics	Prof. Samir K Das	Preeti	Full Time	16-52-08	Jul-16	Modelling of dusty jets and floating body motion in waves	Jul-21	Yes	DIAT

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178	Engineering	Mechanical Engg	Dr. Sunil Nimje	Parate Bhupesh Ambadas	Part Time	16-52-09	Jul-16	Performance enhancement study of mini disruptor for improvised explosive devices and its parametric studies using simulation and modeling techniques.	Jul-21	No	
179	Engineering	Computer Science & Engg	Dr. Manisha Nene	Wg Cdr Sundeep Desai S	Part Time	16-52-10	Jul-16	Network protocol & algorithms	Jul-21	No	
180	Engineering	Computer Science & Engg	Dr. Manisha Nene	Kale Preeti Amit	Part Time	16-52-11	Jul-16	Algorithms.	Jul-21	No	
181	Engineering	Aerospace Engg	Dr. Ajay Misra	Wg Cdr R Abhilash	Part Time	16-52-12	Jul-16	Crack propagation in structures	Jul-21	No	
182	Engineering	Aerospace Engg	Prof. S E Talole	Dhadekar Dinesh Dnyanoba	Full Time	16-52-13	Jul-16	Robust control of nonlinear systems	Jul-21	Yes	DIAT
183	Engineering	Electronics Engg	Yet to decide	Somsing Rathod	Part Time	16-52-15	Jul-16	Transmit/Receive Module (TRM) for Active Phased Array Radar System	Jul-21	No	
184	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-22	No	
185	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-22	No	
186	Applied Science	Applied Chemistry	Prof. P K Khanna	Nandgopal S	Part Time	17-51-03	Jan-17	Yet to decide	Jan-22	No	
187	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-22	No	
188	Engineering	Materials Engg	Prof. Balasubramanian K	Jayalakshmi C G	Part Time	17-51-05	Jan-17	Radar Absorbing Materials	Jan-22	No	
189	Engineering	Mechanical Engg	Dr. D G Thakur	Gp Cpt Sukamal Adhikary	Part Time	17-51-06	Jan-17	Study on Mechanical Properties of IR Decay Flare Pellets of MTV Composition.	Jan-22	No	
190	Engineering	Materials Engg	Dr. Shanmugasundaram T	Ayush Verma	Part Time	17-52-01	Jul-17	FSW of aluminium alloys & metal matrix composite.	Jul-22	No	

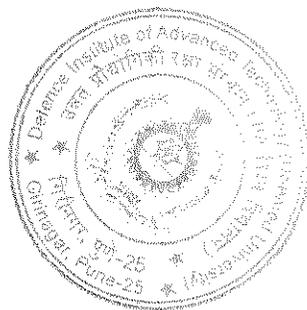
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191	Engineering	Materials Engg	Dr. Vijay Hiwarkar	Ajay Kumar Vishwakarma	Part Time	17-52-02	Jul-17	Effect of welding parameters on mechanical behavior of light metal alloys.	Jul-22	No	
192	Engineering	Materials Engg	Dr. Shanmugasundaram T	Sushil Yebaji	Full Time	17-52-03	Jul-17	Advancement in metal matrix composite.	Jul-22	Yes	DIAT
193	Applied Science	Applied Physics	Dr. A V R Murthy	Sagar Dinkar Kambe	Full Time	17-52-04	Jul-17	Nano mechanics of Bio-mimetic membranes using single molecule force spectroscopy.	Jul-22	Yes	DIAT
194	Applied Science	Applied Physics	Dr. G Unnikrishnan	Panchal Suresh Vajinath	Full Time	17-52-05	Jul-17	Computational Imaging & Sensing.	Jul-22	Yes	DIAT
195	Applied Science	Applied Maths	Dr. Debasish Pradhan	Vivek Mahto	Part Time	17-52-06	Jul-17	Non-contact profiling of blast pressure by High Speed Imaging Techniques.	Jul-22	No	
196	Engineering	Computer Engg	Dr. Upasna Singh	Vivek Saxena	Part Time	17-52-08	Jul-17	Yet to decide	Jul-22	No	
197	Engineering	Computer Engg	Dr. Manisha Nene	R Gopeshwar Rao	Full Time	17-52-09	Jul-17	Big Data Analytics & Data Engineering.	Jul-22	Yes	DIAT
198	Engineering	Mechanical Engg	Prof. A Kumaraswamy	Naik Mahesh Anil	Full Time	18-51-01	Jan-18	Materials Research / Surface Engineering.	Jan-23	Yes	DIAT
199	Engineering	Mechanical Engg	Prof. S K Panigrahi	Gp Cpt P Joshi	Part Time	18-51-02	Jan-18	Bombs with composite stress	Jan-23	No	
200	Engineering	Aerospace Engg	Dr. S E Talole	Sqn Ldr Abhishek Dixit	Part Time	18-51-03	Jan-18	Yet to decide	Jan-23	No	
201	Applied Science	Applied Physics	Dr. Suwarna Datar	Saurabh Parmar	Part Time	18-51-04	Jan-18	QTF Based Sensors	Jan-23	No	
202	Engineering	Electronics Engg	Dr. A A Bazil Raj	Harish Chandra Kumawat	Full Time	18-51-05	Jan-18	SAR/ISAR Radar Imaging Techniques.	Jan-23	Yes	DIAT
203	Engineering	Electronics Engg	Dr. A A Bazil Raj	Chaudhari Amar Dattatray	Full Time	18-51-06	Jan-18	Printed Antennas.	Jan-23	Yes	DIAT
204	Engineering	Electronics Engg	Dr. A A Bazil Raj	Wg Cdr Gaurav Sharma	Part Time	18-51-07	Jan-18	Inverse Synthetic Aperture Radar Imaging Techniques.	Jan-23	No	
205	Engineering	Electronics Engg	Prof. Surendra Pal	MD. Hafizur Rahaman	Part Time	18-51-08	Jan-18	RF Communications - investigations for latest applications	Jan-23	No	
206	Applied Science	Applied Mathematics	Dr. Dasari Srikanth	Arpitha Ravikanti	Part Time	18-51-09	Jan-18	Biofluid Mechanics.	Jan-23	No	

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207	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	
208	Applied Science	Applied Chemistry	Dr. Chetan J Bhongale	Satvilkar Prasad Vinayak	Part Time	18-51-11	Jan-18	Preparation and development of Electrocatalyst for Fuel Cell.	Jan-23	No	
209	Engineering	Materials Engg	Dr. Balasubramanian K	R G Revaiah	Part Time	18-51-12	Jan-18	Yet to decide	Jan-23	No	
210	Engineering	Mechanical Engg	Dr. A. Kumaraswamy	Pravin Kumar Mehta	Part Time	18-51-13	Jan-18	Leveraging Technology for Maximizing Indigenous Development in Critical Areas.	Jan-23	No	

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



*Prashant Kulkarni*  
21/5/2018

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

