2018-19
Biomedical Device and Technology Development (BDTD)

S. No	Project Title	PI Details	Institute	Duration	Total Amount
1.	Biomedical Instruments and Devices Hub-A Centre for Innovation, Design and Clinical Validation.	Prof. G.D Puri and Prof. Joseph Mathew	PGIMER Chandigarh- 160 012.	5 years	98226243
2.	Design, Development and Validation of Thermocycler and Real Time Cycler (DNA amplification Instrument) mostly used in disease diagnosis.	Dr. S P Selvaraj, Associate Professor	Bannari Amman Institute of Technology, Alathukombai- Post, Sathyamangalam, Erode -District, Tamil Nadu- 638401	2 years	3446000
3.	Generic Smart IOT Electrochemical Platform Technology for Biomedical Applications.	Dr. S. Abraham John, Professor	Dept. of Electronic Systems Engineering (DESE), IISc, Banglore-560 012	3 years	7617200
4.	Design and Development of Micro Cantilever based Biosensor for Early Detection of High Risk Human Papilloma Virus.	Dr. V. R. Anitha, Professor	Sree Vidyanikethan Engineering College, SreeSainath Nagar, A.Rangampet- 517102	2 years	3649600
5.	Development of low-cost device for measurement of cysteine in human blood plasma.	Dr. Shobhit Singh Chauhan	CSIR-Central Salt and Marine Chemicals Research Institute, GijubhaiBadheka Marg, Bhavnagar – 364002	2 years	4320000
6.	Development of aerosol based noel drug delivery method/device for the regulation of asthma exacerbations and pulmonary fibrosis.	Dr. (Smt.) Rashmi Singh, Associate Professor	Dept. of Zoology, MMV, Banaras Hindu University, Varanasi. 221005	1 Year	1150000

7.	Design and Development of Wireless Digital Teaching Stethoscope.	Jaspal Singh, Joint Director & Head	Dept. of Electronics and Communications, Centre for development of advanced computing, A-34, Industrial Area, Phase-8, Mohali.	2 years	3710000
8.	Development of Smart Socks for Wireless Monitoring of Human Gait.	Dr. Amitava Bhattacharyya, Associate Professor	PSG Institute of Advanced Studies, Avinashi Road, Coimbatore	2 years	2090000
9.	Development and validation of monoclonal antibody based antigen capture ELISA for detection of Chandipura virus infection I hospitalized encephalitis patients.	Dr. Rekha G Damle, Scientist-C	Encephalitis Group National Institute of Virology (NIV)- Microbial Containment Complex, 130/1, Sus Road, Pashan, Pune-411021	2 years	2119420
10.	Design and Development of "LASER Shoe" for the Management of Diabetic Peripheral Neuropathy Pain in People Living with Type 2 Diabetes Mellitus.	Dr. G. Arun Maiya, Professor & Chair	Chief-WDF Diabetic Foot Clinic, Kasturba Hospital, Physiotherapy, Manipal University, Manipal-576104	2 years	2605000
11.	Design and Development of continuous speech based test conversation assistant.	Prof. Dr. T.Devi, Professor and Head	Dept. of Computer Applications, Bharathiar University, Coimbatore- 641046, Tamil Nadu	2 years	775000
12.	Point of care monitoring of neuro-glial-vascular interactions (ESPECIALLY INVERSE NEUROVASCULAR	Dr. Shubhajit Roy Chowdhuary, Assistant	Indian Institute of Technology Mandi, School of computing and	1 years	2468732

	COUPLING) during spreading depolarizations in brain trauma using simultaneous recoring of EEG and NIRS.	Professor	electrical Engineering, Indian Institute of Technology, Mandi Kamand, Mandi, Himachal Pradesh- 175005.		
13.	Medical Device Development and Commercialisation by National Hub for Healthcare Instrumentation Development	Dr. S Muthan, Coordinator	Anna University, Chennai- 600025	5 Years	39825576
14.	Design and Development of Micro Automatic Airway Pressure System for Sleep Apnea Therapy	Dr. L. Priya, Assistant Professor	Dept. of Biomedical Engineering, PSG College of Technology, Peelamedu, Coimbatore-4	2 years	2280000
15.	Design, Development and Batch Production of Silicone Rubber Products for Communication Disorders.	Dr. Venkartaraja Aithal U, Professor	Dept. of Speech & Hearing, Manipal University, Manipal- 576 104	2 years	3834000
16.	Design and Development of glass based Optofluidic device platform by Femtosecond laser micromachining.	Dr. Krishna Chaitanya V, Assistant Professor	Sri Satya Sai Institute of Higher Learning, PrashanthiNilayam Campus, Puttarparthi, Anantapur, Andhra Pradesh 515134	3 years	4610000
17.	A Complete walking aid for paralytic patients.	Dr. Anjan Kumar Dash, Associate Professor	School of Mech. Engg., SASTRA University, Thanjavur- 613 401	3 years	2785000

18.	Development of a new and cost effective biosensor based on transparent conducting oxide thin films working in near IR frequency.	Dr. Sankara Narayanan Potty, Scientist- C	C-MET, Athani PO, MG Kavu, Thrissur 680 581	2 years	7670000
19.	Development of a portable and non-contact type intraocular (IOP) pressure measurement device.	Dr. Ashish Garg, Professor	Dept. of Materials Science & Engineering, IIT- KANPUR 208016	2 years	7135040
20.	A low cost device based on body auscultation for Early Medical Diagnosis of Heart, Lung and Prenatal health.	Dr. M.K. Dutta, Professor & Head	Centre for Advanced Studies, Dr. APJ Abdul Kakam Technical University, Lucknow, Uttar Pradesh 226-031	2 years	3445000
21.	Development of a High- Speed, Compact OCT Imaging System.	Dr. K.R. Prabhu, Associate Professor & Head	Dept. of Control and Automation, School of Electrical Engineering, VIT University, Vellore- 632014	2 years	9423342
22.	Development of aerosol based novel drug delivery method/ device for the regulation of asthma exacerbations and pulmonary fibrosis".	Dr. (Smt) Rashmi Singh , Associate professor.	Department of Zoology, MMV, Banaras Hindu University, Varanasi.221005	2 years	3144248

Advanced Manufacturing Technologies (AMT)

S. No	Project Title	PI Details	Institute	Duration	Total Amount
1.	Development of Microstructurally, compositionally and functionally graded components by Laser Assisted Materials Processing (LAMP).	Prof. Indranil Manna	Metallurgical & Materials Engineering Department, Indian Institute of Technology (IIT- Kharagpur), Kharagpur-741 235,	3 years	60160800
		Wallia	West Bengal		
2.	Design , Development, Manufacture, and Evaluation of Laser Cut Stent Patterns for Enhanced Performance and Life.	Dr. M Sreekumar, Assistant Professor	Indian Institute of Information Technology Design & Manufacturing Kancheepuram, Vandalur- Kelambakkam Road Melakottaiyur, Chennai- 600127	2 years	4830000
3.	Application Specific System level validation and Verification platform for Analog/Mixed Signal/RF Chips.	Dr. Ajit Kumar Panda, Professor	National Institute of Science and Technology, Palur Hills, Berhampur- 761 008	2 years	6400000

4.	Development of Impact Model in the frame work of Sustainable Manufacturing.	Dr. Ajitkumar N. Shukla, Director	School of Engineering, RK University, Kasturbdham, Rajkot	2 years	728000
5.	Development of Light weight Near Net Shape Aluminium composite substrates for Thermal Management in Electronic and Avionic Packaging Systems.	Dr. T.P.D. Rajan, Senior Scientist	CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Industrial state PO, Thiruvanthapuram- 695019	2 years	4974912
6.	Development of Microcellular & Nanocellular 3D Printing process to Manufacture Acrylonitrile Butadiene Styrene Foamed Plastic Products.	Dr. Abhishek Gandhi, Junior Scientist	CIPET Bhubaneshwar, LARPM, B-25 CNI Complex, CIPET Bhubaneswar 751 024.	2 years	2926800
7.	Designing and developing a desktop Micro Wire ECM Machine.	Dr. J. Ramkumar, Professor	Indian Institute of Technology, Kanpur Kalyanpur Kanpur- 208 016	2 years	5075744
8.	A low cost micro factory with magnetic levitation based actuation for Micro Machining.	Soumen Mandal, Scientist	CSIR-Central Mechanical Engineering Research Institute Durgapur,West Bengal- 713209	2 years	2100000
9.	Development of Squeeze Cast Pneumatic using Self-Lubricating Composites.	Dr. K. Somasundara Vinoth, Assistant Professor	PSG College of Technology, Peelamedu, Coimbatore	2 years	2450000

10.	Development of a IIOT platform for Manufacturing Equipment Effectiveness.	Asim Tewari, Professor	Indian Institute of Technology (IIT-B) Bombay, Mumbai 400076	2 years	4666896
11.	Development of facile, inexpensive microfluidics platform using Incremental Foil Assisted Rapid Molding (i-FARM) manufacturing methods and 3D printed assisted electro-spin nanofibers for the separation and detection of circulating tumor cells of ovarian cancer.	Dr. Shiv Govind Singh, Associate Professor	IIT Hyderabad, Kandi, Sangareddy-502 285	3 years	4969296
12.	Large scale production of 2D materials based hard-soft Ferrite Nanocomposite; Surface coating & Testing for Electromagnetic shielding Devices.	Dr. Bijoy Kumar Kuanr, Professor	Jawaharlal Nehru University, Special centre for Nanoscience, New Mehrauli Road, New Delhi-110067	2 years	4914000
13.	Biodegradable Polymeric Stents: From Synthesis of Functionalized Raw Material to its Fabrication using Micro- Injection Moulding Process Category Near net.	Dr. Dhiraj Kumar Mahajan, Assistant Professor	Dept. of Mechanical Engineering, IIT Ropar, Rupnagar- 140001	2 years	4770000
14.	Development of wearable on-chip spectrometer for monitoring respiratory motion.	Dr. Shivakiran Bhaktha B.N, Assistant Professor	Indian Institute of Technology, Kharagpur, Paschim Medinipur, West Bengal- 721302	2 years	4750000

15.	Development of Magnetostrictive Sensing Device for Structural Integrity Evaluation of Pipes.	Dr. A.K.Panda, Senior Scientist	National Metallurgical Laboratory PO: Burmamines, Jamshedpur 831007	2 years	4989600
16.	Vibration Assisted Turning for Improving Fatigue Life of Ti6Al4VAeroscpace Components.	Dr. P. Vamsi Krishna, Assistant Professor	National Institute of Technology, Warangal	2 years	2808000
17.	Feasibility Evaluation of Power Metallurgy Connecting Rod for Automobile Application.	Dr. S. Senthilvelan, Assistant Professor	Indian Institute of Technology, Guwahati 781039, Assam	2 years	4765000
18.	Development of process map for additive manufacturing of Ti6Al4V and Inconel alloys.	Dr. Arvind Kumar, Assistant Professor	Indian Institute of Technology, Kanpur Kalyanpur Kanpur- 208 016	2 years	4745000
19.	Scaling up the Fabrication of Nanomaterials with Higher Degree of Complexity.	Dr. Ambarish Ghosh, Assistant Professor	Indian Institute of Science, Banglore 560012, Karnataka	2 years	4799000
20.	Fabrication of SiC Targets and Pulsed Laser Deposition of Functional Thin Films.	Dr. Nilesh J. Vasa, Professor	Indian Institute of Technology (IIT)- Madras, Chennai 600036	2 years	4820000

21.	Improved manufacturing of cocured T-joint using a textile 'T' insert.	Dr. Kundan Kumar Verma, Scientist	CSIR-National Aerospace Laboratories, PB 1779, Old Airport Road, Kodihalli, Banglore	2 years	4699000
22.	Development of Induction-Conduction Based Materials Deposition System for Metal Additive Manufacturing.	Dr. Prashant K. Jain, Assistant Professor	PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur, Mechanical Engineering Discipline, IIITDM, Jabalpur	2 years	4234000
23.	Green Manufacturing of Automobile Forgings by Precision Forging.	Prof. P.P. DATE	Indian Institute of Technology (IIT-B) Bombay, Mumbai 400076	2 years	14375392
24.	Investigations on Web- based Intelligent CAD/CAM Decision Support System for remote Manufacturing of Precision Micro Parts.	Dr. S.P. Leo Kumar, Assistant Professor (Sr. Grade)	PSG College of Technology, Peelamedu, Coimbatore	2 years	1695000
25.	Design and Development of High Performance, Carbon Quantum Dots Covered NanoComposite Insulated, Eco-Friendly, Compact High Voltage Vaccuum Circuit Breaker with Magnetic Actuator Mechanism for Railways and Metro Applications.	Dr. S. Chandrasekar, Professor	Sona College of Technology, Salem- 636005	2 years	4709500
26.	Establishment of Ultra- Short Pulsed Laser Processing Regime for Surface Treatment of Titanium based Implant for the Tailored Mechano-chemical	Dr. Jyotsna Dutta Majumdar, Professor	Indian Institute of Technology, Kharagpur, Paschim Medinipur, West Bengal- 721302	2 years	4274000

	Property in Simulated Environment.				
27.	Development of Wide Band Gap devices based Electronic Balancing Circuits for Ultra Capacitor Modules.	Dr. V. Chandrasekar, Scientist-E	Power Electronics Group C- DAC, Thiruvananthapuram, Kerala	2 years	4436400
28.	Development of nano composite coating on MMAW electrodes for reduction of hazardous constituents in welding fumes.	Dr. S.P. Sivapirakasam, Assistant Professor	National Institute of Technology (NIT), Tiruchirappalli-620 015	2 years	3905000
29.	Nanocellulose - reinforced Composite Resins for Additive Manufacturing.	Dr. Kadhiravan Shanmuganathan, Senior Scientist	SCIR- National Chemical Laboratory,, Dr. Homibhaba Road, Pune- 411008	2 years	3200000
30.	Manufacturing of magnesium Based Micro-components via Superplastic Micro forming Processes.	Dr. Sushanta Kumar Panigrahi, Assistant Professor	Indian Institute of Technology (IIT- Madras), Tamil Nadu- 600036	2 years	4860000
31.	Transparent Heat Reflecting (THR) Nano- Hybrid Coating for Automobile Window Glasses.	Dr. Sushanta Kumar Samal, Scientist	Laboratory for Advance Research in Polymeric materials (LARPM) Central Institute of Plastics Engineeing & Technology (CIPET) B/25, CNI Complex Patia, Bhubaneswar, Odisha 751024	2 years	4040000

32.	Development, field trials, pilot production and technology demonstration of sintered brake pads with improved performance for wind turbine applications suitable to India specific wind characteristics.	Dr. Govindaraju M, Assistant Professor	Amrita Vishwa Vidyapeetham, Coimbatore- 641- 112	3 years	4230100
33.	Femtosecond Laser Assisted Prototyping of Micro Electro-optofluidic Devices (FLAP - MED).	Dr. Krishna Chaitanya V, Assistant Professor	Dept. of Physics Sri Satya Sai Institute of Higher Learning, PSN Campus, Puttaparti, Anantapur, Andhra Pradesh 515134	2 years	7050000
34.	Sand less Casting Process.	Dr. Ramesh Kumar Nayak, Assistant Professor	School of Mechanical Engineering, KIIT University Patia, Bhubaneswar, Odisha 751024	2 years	2494000
35.	Large scale production of nanomaterials and thin films for semiconducting devices and astronomical research.	Dr. Somaditya Sen, Associate Professor	Indian Institute of Technology, Indore	2 years	4760000
36.	Additive manufacturing of a functionally graded coating for diesel engine piston for environment-friendly application.	Dr. Soumya Gangopadhyay, Assistant Professor	Dept. of Mechanical Engineering, IIT Bhilai	2 years	2490480
37.	Development of Supply Market Intelligence System with supplier selection and performance monitoring for auto ancillary industry.	Dr. S.K. Sudarsanam, Professor	VIT Business School, VIT Chennai, Vandalur, Kelambakkam Road, Chennai - 600 127	2 years	2112000

38.	Developing novel multi- layer coating of nano Silicon Nitride and Zirconium with surface texture for hip implants to improve biotribological performance and lifespan.	Dr. P. Ramkumar, Assistant Professor	Dept. of Mechanical Engineering, Indian Institute of Technology, Madras (IIT-M), TN- 600036	2 years	4968000
39.	Simulation of Spring-in Composite spars during manufacturing process.	Dr. S. Nadeem Masood, Scientist	CSIR-National Aerospace Laboratories, PB 1779, Old Airport Road, Kodihalli, Banglore	2 years	4576090
40.	Design and Implementation of Industrial IoT Smart Grid for Optimization and Automation of Manufacturing Industries.	Dr. L. Ashok Kumar, Professor	PSG College of Technology, Peelamedu, Coimbatore	3 years	11951600

Device Development Programme (DDP)

S. No	Project Title	PI Details	Institute	Duration	Total Amount
1.	Design and development of Sensor based sewage block remover and management system.	Dr. S Parthsarathy, Professor	K.L.N. College of Engineering, Sivaganga, Tamil Nadu	2 years	3664784
2.	Design and development of conducting filter loaded piezoelectric polymer based flexible micro device for energy harvesting.	Dr. Wazed Ali, Assistant Professor	Indian Institute of Technology, Hauz Khas, New Delhi 110016	3 years	4878480

3.	Development of an intelligent evaporative cooler for composite climate.	Dr. Jahar Sarkar, Associate Professor	Indian Institute of Technology, Banaras, Varanasi,Uttarpradesh- 221005	2 years	892243
4.	Low Cost Energy Efficient Green Building using Nano PCM with Desiccant based passive cooling system.	Dr. S Kalaiselvam, Associate Professor & Head	Dept. of Applied Science & Technology, Anna University, Chennnai- 600 025	3 years	3775403
5.	Mott transistors based Neuromorphic memory devices.	Dr. Shrawan Kumar Mishra, Assistant Professor	Indian Institute of Technology, Banaras, Varanasi, 221005	3 years	10098200
6.	Development of Human-on-a-chip device technology- a paradigm shift in biological evaluation and disease model.	Dr. Mohanan P V, Scientist G	Sree Chitra Tirunal Institute for Medical Sciences & Technology, BMT Wing, Poojapura PO,Trivandrum 695 012, Kerala.	3 years	31182780
7.	Development of an Axial Flow Turbine Test Rig.	Prof. Abhijit Kushari	Indian Institute of Technology, Kanpur	2 years	2362718
8.	Development of low-Cost Raman Spectrometer.	Prof. Chandrabhas Narayana, Chairman and Professor	Jawaharlal Nehru Centre For Advanced Scientific Research	2 years	7400000

9.	Development of smart medium voltage circuit breaker with embedded control device and actuating mechanism consistent of self-monitoring, low energy consumption, lot enabled features for railways and substations application.	Dr. S. Chandrasekar, Professor	Sona college of Engineering, Salem- 636005	1 year	2000000
10.	Lifesaving lot based hazardous gas monitoring and drainage block detection & removal system to prevent manual scavenging.	Dr. A. Babu Karuppiah, Professor	Velammal college of Engineering and Technology, Viraganoor, Madurai	1 year	1000000
11.	Development of an Indigenous Low-Cost/ Light weight Deflectometer for Structural Evaluation of Pavement.	Dr. Adepu Ramesh, Asssociate Professor	Vignana Jyothi Institue of Engineering & Techonlogy, Nizampet, Hyderabad	2 years	1410600
12.	Development of phase shifting Fizeau Interferometer for optical surface form and wavefront sensing application.	Dr. Sanjit Kumar Debnath, Scientist	Central scientific Instrument Organisation, Chandigarh- 1600030	3 years	3231341

13.	Sign Language Teaching Learning Module for Disables.	Dr. Ulhas D shiurkar, Director and Professor	Deogiri Institue of Engineering & Management Studies, Aurangabad	2 years	1051208
14.	Development of Intelligent Device for Security Enhancement (iEYE)	Dr. Karan Singh, Assistant Professor	School of Computer and Systems Science, JNU, New Delhi-110067	1 year	1000000
15.	Development of Near Infrared Spectrometer for Plant Diseases Detection.	Dr. Gyanendra Sheoran, Assistant Professor	Department of Applied Physics, National Institute of Technology, Delhi	3 years	9912855
16.	Design and Development of Contact Fatigue Test Facility used in high speed Railway and Electric Vehicles.	Prof. R. Gnanamoorthy	Dept. of Mechnical Engineering, IIT- Madras, Chennai 600036	2 years	2668299
17.	Development of Image processing Based Portable Device to Measure Strains Metal Forming.	Dr. Kurra Suresh, Assistant Professor	Birla Insutitue of Technoloyg and Science, Pilani, Hyderabad	3 years	1585700
18.	Low cost and High Efficiency Portable Thermoelectric cooler boxes for medicines, Vaccines and Bio- samples.	Dr. S. Gowthaman, Assistant Professor	Department of Mechanical Engineering, Indian Institute of Information Technology, Kancheepuram, Chennai	2 years	1103476

19.	Development of Nano-antenna sensor for Infrared Detection.	Dr. Brijesh Rathi, Assistant Professor	Department of Chemistry, Hansraj College, University of Delhi	2 years	6308000
20.	Development of lead free pyroelectric ceramic based mid-IR senor for Intruder detection.	Dr. Anoop kumar Shukla, Assistant Professor	Amity Institute of applied sciences, Amity University, Uttar Pradesh, Nodia	2 years	3285364
21.	Design and development of efficient electronic saffron dryer using infrared(IR) heating	Dr. N A Lala, Assistant Professor	Devision of Agriculture Engineering,SKUAST- K,Shalimar,Srinagar- 190025	1 year	996620
22.	Development of a cost effective and portable electro-optical system for effective investigation of residual ambient gases using spark emission spectrometry towards the estimation of atmospheric gases composition with respect to height using high flying drones	Dr. Sanjay k. Ghosh, Senior Professor	Department of Physics, Bose Institute, kolkata, West-Bengal-700054	2 years	3810870
23.	Detection of Plant pathogenic Fungi sing handheld PCR	Dr. Sai Siva Gorthi, Associate Professor	Indian Institue of Science , Bangalore	2 years	3997190

24.	Development of Foliar Diagnostic Kit for on site Detection of Moisture Status in Crops.	Dr. K.S. Subramanian, NABARD Chair Professor	Dept. of Nano Science & Technology, TNAU, Coimbatore, Tamilnadu	1 year	1065083
25.	Device Development for β-Carotene Enhancement in carrot Juice as a food for Cancer Patients	Dr.Prashant Ramrao tayade, Assistant Professor	Jawaharlal Darda Insitute Engg. & Technology, Yavatmal, Maharastra.	2 years	2757948
26.	Design & Development- Evaluation of Aptamer based high sensitive- Low cost kit for the detection of mycotoxins in food.	Dr. Hariprasad P, Assistant Professor	Indian Insititute of Technology Delhi	2 years	3569816
27.	Tensiometer based automated IoT system for irrigation	Dr.Shubhankar Majumdar, Associate Professor	NIT-Shillong, Meghalaya	2 years	1684941

Science and Heritage Research Initiative SHRI

S. No	Project Title	PI Details	Institute	Duration	Total Amount
1.	Cultural Mapping of Odisha Tribal Art and its Sustainability.	Ms. Snigdha A Sanyal	Centurion University of Technology and Management, R Sitapur, Uppalada, Paralakhemundi, Gajapati, Odisha	2 years	983633
2.	Reviving Bidricraft: A study on alternative patination process with a focus from fundamentals to final technology.	Dr. Lakshman Neelakantan, Associate Professor	Indian institute of technology, Madras Sardar Patel Road,Chennai- 600036	2 years	3678600
3.	Scientific analysis of historic lime mortars and other building materials.	Dr. Pushkar Sohoni, Assistant Professor	Indian institute of science Education & Reseach, Pune-411008	2 years	1780000
4.	Exploring and eliciting the royal heritage of badaga community which enhanced the civilzation in the Nilgiris.	Ms. Amutha, Associate Professor	Department of Science and humanities, Sri Krishna college of Engineering & technology, Kuniamuthur, Coimbatore-641008	2 years	916914
5.	Scalable synthesis of stretch nanoparticles based adhesive/consolidants for conservation of cellulose based heritage objects	Dr. Udit Soni, Assistant Professor	Department of Biotechnology ,TERI University,New Delhi-110070	3 years	4423360
6.	Ethno-scientific approach for evidence based promotion of heritage and indigenous Paddy varieties of Tamilndu for Health and sustainability through conservational memory and gene banking	Dr. Sathya A, Assistant Professor	Sastra University, Thirumalaisamudra m,Thanjavur- 613401	3 years	3382297

7.	A sustainable technology development for multi functional value addition to khadi fabric and Indian textile heritage using plant extract	Dr.Wazed Ali, Assistant Professor	Indian Institute of Technology- Delhi,Hauz Khas- 110016	3 years	5435862
8.	Impact of sea level fluctuatations, climate change or tectonic activity on the decline on the Harappan settlement of Dholavira, kutch,India	Dr. Vikrant Jain, Associate Professor	Indian Institute of Technology Gandhinagar, Palaj village ,Simkheda,Gandhina gar-382355	3 years	8849292
9.	In situ Digital Holography- Tomography of Subsrface Microstructure of Artwark	Dr. Gyanendra sheoran, Assistant Professor	Department of Applied Science(Physics), National Institute of Technology (NIT- Delhi)	3 years	8533905
10.	Transforming Ethnic/traditional weaving art of Tamilnadu smart production technology at Ammalyappan,Tiruvarur District, Tamilnadu	Dr. Kumarvelu R, Senior Research Director	Handloom based textile Production develepment centre, Narasingarayar street, Kanchipuram-631502		8270560
11.	Assessment of Fungal growth and Heritage protection from fungal bio deterioration by metal nano-materials involved in deterioration of archaeological sites of puducherry and Mahabalipuram.	Dr. Bijaya Kumar Nayak, Assistant professor.	Department of Botany, Kanchi Mamunivar Centre for post Graduate Studies (KMCPGS), Pondicherry-605008	3 Years	4732123