

SITARE-GYTI Awardees				
S. No	Name of Student	Project Title	City	State
1	Shivani Gupta To Anuradha Pal	Rightbiotic: The fastest antibiotic finder	Hyderabad	Telangana
2	Venkateshwarlu Yarlagadda To Parmita	Development of a powerful new antibiotic that kills all drug-resistant bacteria	Bengaluru	Karnataka
3	Kausik Kapat	Simple Low-cost Bioactive Titanium Foam via Novel Route for Skeletal Tissue Reunion	Kharagpur	West Bengal
4	Bhuvaneshwaran Subramanian	Flexible biodegradable anti-microbial new advanced form of Intra Uterine Contraceptive Device (IUCD)	Kharagpur	West Bengal
5	Veerendra Kalyan (Rajesh Srinivasan)	Automated opto-fluidic Microscope for Cellular Diagnostic Testing.	Bengaluru	Karnataka
6	Bhushan N Kharbikar	Wearable drug delivery device based on microneedles for efficient management of Chemotherapy Induced Nausea and Vomiting (CINV) and Nausea and Vomiting in Pregnancy (NVP)	Mumbai	Maharashtra
7	Neenu Jose/Atul K. Raj	Automatic Urine And Fecal Disposal System	Kodakara	Kerala
8	Vichal PM	Device for IntrapartumMaterno-Fetal Care	Bengaluru	Karnataka
9	Prasanta Kalita - Nitish Goel	Rapid Endotoxin Entrapment and Detection on Surface-engineered Glass Substrates	New Delhi	Delhi
10	Aditya Garai	Near Infra Red light Activable Iron(III) Complex as a Remarkable and organelle-targeted Anti-cancer Agent for the Photodynamic Therapy Application	Bengaluru	Karnataka
11	Sreemoyee Ghosh Ray	Energy efficient combined process of microbial fuel cell (MFC) and membrane bioreactor (MBR) for high efficiency and reliable treatment of organic wastewater	Kharagpur	West Bengal
12	Divakara Ss Murthy Uppu To Swagatam	A Novel Compound Restores Obsolete Antibiotics to NDM-1 Superbugs	Bengaluru	Karnataka
13	Abhishek Kumar Jha To Nilesh	A Compact Microwave Sensor for Characterization of Radomes and Dielectric Signature Detection of Materials in 3G and 4G GSM Bands	Kanpur	Uttar Pradesh
14	Bharat Lal Meena	Development of portable device based on polarized fluorescence for detection of cervical pre-cancer	Kanpur	Uttar Pradesh
15	Mandeep Singh	Blood quality assessment using Digital Holographic Microscopy	New Delhi	Delhi
16	Vishal Gupta/Ravinder Pal	Rotary Ultrasonic Bone Drilling	New Delhi	Delhi
17	Sutapa Chandra/Arvind Dhawangale/Rosna Binish	Portable biosensing platform based on conducting polymer decorated optical fiber for bacteria as well as heavy metal sensing from tap water	Mumbai	Maharashtra
18	Manashi Chakraborty (Ankit Tiwari)-Abhishek Prajapati/Srijita Saha Roy / Mandar Kale	Non-invasive, Point-of-care Diagnostic System for Early Detection of Oral Cancer using Digital Infrared Thermal Imaging	Kharagpur	West Bengal
19	Saugandha Das / No Student Now	STERI-FREEZ : Flash freeze sterilization	Mumbai	Maharashtra
20	Shivangi Sachdeva, Ponoop Patro	Revealed: Dual functional characteristics of Escherichia coli outer membrane protein Wzi and its implications in the design of novel antibiotics	Hyderabad	Telangana

21	Appidi Tejaswini	Affordable Detection Kit for Cervical Cancer.	Hyderabad	Telangana
22	Prateek Katare & Dhiraj Indana	Low Cost Automated Handheld Melamine Detection Device (for testing melamine in milk)	Hyderabad	Telangana
23	K Rajasekhar To Sourav Samanta	Near Infrared Fluorescence Probes for Diagnosis of Alzheimer's disease	Bengaluru	Karnataka
24	Awardee: Dr Sonali, Current: Mr. Abhishek Jha	Targeted theranostic nanomedicines for brain cancer therapy	Varanasi	Uttar Pradesh
25	Nitin Vasanth	NeuroBuds : Brain Wave mapping Smart Earphones For Rural India	Kochi	Kerala
26	Iftak Hussain /Diganta Hatiboruah/ Biprav Chetry	Smartphone based instrumentation for water quality monitoring with reference to resource poor regions	Tezpur	Assam
27	Bhaskar Bethi / Narsimha/ Vikass Hakke	Novel Hybrid system for textile dye wastewater treatment	Warangal	Telangana
28	Dr Subham Banerjee / Nimmy Kumari	Prophylactic Transdermal Patch Against Neurotoxin Poisoning In Biological Warfare Situations.	Ranchi	Jharkhand
29	Mr.Rohit Shivaji Pawar	Point of Care Nano Diagnostic Kit for Brucellosis	Mumbai	Maharashtra
30	Mr. Vikas Pandey	Development of a compact total internal reflection fluorescence microscopy module for diagnosis of M. tuberculosis	New Delhi	Delhi
31	Mrs. Neeta Wagle , Mr. Prasad Thakare, Mr. Tejas (Current Student)	A multipurpose low cost biological air purifier	Pune	Maharashtra
32	Mr. Amit Girishkumar Mirani/Prashant Girish Upadhaya	"NanoSpermViricide Gel: A Dual Acting Aid for Prevention of Unintended Pregnancy and Unprotected Sexual Intercourse Associated HIV,	Mumbai	Maharashtra
33	Mr. Brince Paul/Saketh/ Ms. Swati Mohanty	A low cost micro fluidic biochip for malarial diagnosis	Hyderabad	Telangana
34	Ms. Debasmita Mondal/Sourabh Agarwal	Smartphone-based impedimetric disposable biosensor for detection of cardiac biomarkers	Mumbai	Maharashtra
35	Mr. Shibu Chameettachal	Decellularized Corneal Matrix (DCM) Based Injectable Hydrogel For Strengthening Cornea Matrix In Severe Corneal Keratoconus	Hyderabad	Telangana
36	Mr.Kiran Kumar Amireddy/Aditya To Harsh Maheshwari	Super-Resolution Ultrasonic Imaging (SUI)	Chennai	Tamil Nadu
37	Mr. Abhishek Narayan To Rahul Dani	Understanding the Design Principles of a Protein Nanosensor to Combat Multidrug Resistant Enterobacteriaceae	Chennai	Tamil Nadu
38	Ms.Divya Beri To Priya Yadav To Aparna Sudhakar	A novel strategy to block malaria transmission	Bengaluru	Karnataka
39	Mr.Ravi Prakash	Design and development of phase change material based milking cum cooling pail	Bengaluru	Karnataka
40	Shelaka Gupta / Ms Haseena	An alternative Technology to Produce Biomass-Based Food Grade Flavors, Fuels and Value Added Chemicals	New Delhi	Delhi
41	Ms.Pallabi Das/Ms.Kasturi Sarmah To Ratul Pegu	Nano based soil conditioner for agricultural application	Tezpur	Assam
42	Swathy Ravindran, Ramesh Kumar	Rolling Water Purifier - Roll Pure	Chennai	Tamil Nadu

43	Jayeshkumar Sevantilal Mevada	Novel Hybrid Technology for Bio-separation	Mumbai	Maharashtra
44	Ketan Thorat To Mahendra K Mohan	Anti-Pesticide Dermal Gel	Bengaluru	Karnataka
45	Deval Karia, Rohit S. Nambiar	Yog-I - An affordable insulin pump for Type-1 diabetic patients in resource constrained settings	Bengaluru	Karnataka
46	Vinay Kumar, Uday Kumar Sukumar	Magnetic-field actuated hybrid nanofiber scaffold and apparatus for 4D tissue engineering	Roorkee	Uttarakhand
47	Deepika Kannan, Nisha Yadav To Geeta Kumari	Modernization of traditional anti-malarial drug artesunate via nanomedicine approach.	Greater Noida	Uttar Pradesh
48	Yogeeshwar Ajjugal/ Sathyaseelan C	Revelation of G-quadruplex formation as a molecular basis of fragile X tremor/ataxia syndrome (FXTAS) leads to a new direction in the drug discovery	Hyderabad	Telangana
49	Uvanesh Kasiviswanathan	Low-cost, easy-to-use, in-house developed electric cell impedance sensing (ECIS) system for studying the dynamic behaviour of the biological cell	Varanasi	Uttar Pradesh
50	Shivam Chandel, Abel Arul Nathan S	Growth factor free strategy for therapeutic neo-vascularization	Chennai	Tamil Nadu
51	Viraj Mehta, Sharanya Sankar	Patient specific spheroid on chip for cancer treatment: combinatory drug treatment	Hyderabad	Telangana
52	Ananya Mishra To Satyajit Patra	Actin Mimetic ATP Driven Controlled Supramolecular Polymerization	Bengaluru	Karnataka
53	Manikuntala Mukhopadhyay,Rudra Ray	Image Analyzing Drying Patterns of Blood and Plasma Droplets for the Rapid Detection of Thalassemia Carriers	Kharagpur	West Bengal
54	Anil Vishnu G K	A Portable Diagnostic Platform for Rapid Label-free Phenotyping of Breast Cancer	Bengaluru	Karnataka
55	Siddhant Shrivastava	Multipurpose Proctoscope	Kanpur	Uttar Pradesh
56	Divagar M	An Affordable and Easy-to-Use Optical Biosensor for Mannosylated Lipoarabinomannan (manLAM) in Urine for TB Diagnosis	Chennai	Tamil Nadu
57	Sumanta Laha	An Automated Cardiovascular Replicator for Online Assessment of Cardiac Assist Devices, Prosthetics and Beyond	Kharagpur	West Bengal
58	Monalisha Pattnaik	Development of Poly-unsaturated Fatty Acid PUFA and Antioxidant Rich Vegetable Oil Powder for Healthy heart	Kharagpur	West Bengal
59	Vaibhav Shitole	A User Friendly, Affordable Device for Self-Blood Microsampling for Diagnostics and Pharmaceutical Applications	Gandhinagar	Gujarat
60	Vinoj P.G	Artificial Deep Learning Brain Actuated Lower Limb Exoskeleton For Paralysed	Angamaly	Kerala
61	Arthi Sunil Richard	Nanofiber Yarn Suture: A Medical Device	Chennai	Tamil Nadu
62	Sumit Kumar Singh	Development of Electrochemical Impedance based Aptasensor for Semen sorting in Cattle	Karnal	Haryana
63	Shweta Pant	A Novel, Low-cost, Non-invasive Eye Tracker Using Fiber Optic Sensor	Bengaluru	Karnataka
64	Prem Dakshin	Frustum CAM in Medical Ventilators	Pilani	Rajasthan

65	Ravindra Gaikwad	Continuous Monitoring of Gasotransmitters for Early Stage Management of Systemic Inflammatory Response Syndrome (SIRS) Using Microfluidics Platform	Chennai	Tamil Nadu
66	Shivraj Vasantao Naik	Nanotechnology Based Intranasal Spray Formulation for the Effective Treatment of the Alzheimers Disease	Mumbai	Maharashtra
67	Arjun B S	An Intraoperative Probe for Brain Tumor Margin Delineation	Bengaluru	Karnataka
68	Alekya B	Microsensor Integrated Intubation Catheter for Chronic Airway management	Bengaluru	Karnataka
69	Pankaj Shivhare	Design and Development of Hollow Polymeric Microneedles for controlled drug/vaccine delivery	Mumbai	Maharashtra
70	Deepika N P	Environment Safe Antimicrobial Phytoabsorbent Pads For Sanitary & HygieneProducts	Ooty	Tamil Nadu
71	Ruchira Nandeshwar	Pro-Care : Prognostic point of care monitor for cardiovascular disease management	Mumbai	Maharashtra
72	Barkha Singh	Rapid detection of bilirubin using Cationic Multifluorescent Carbon Quantum dots as a fluorometric probe	Mumbai	Maharashtra
73	Asharani Patel	Genetic characterization and development of endophytic Microbacterium based bioinoculant for rice blast disease management	New Delhi	Delhi
74	Sukirti	Digitization of Manufacturing Process of Indian Sweetmeats with Tailored Functionality for Harnessing Food Safety and Quality	New Delhi	Delhi
75	Siddharth Vishwakarma	Development of process technology for instant soluble skim milk tablets	West Medinipur	West Bengal
76	Moumita Roy	Enriching methane content in biogas through CO2 conversion into acetic acid via microbial electrosynthesis	Mohali	Punjab