

Gandhian Young Technological Innovation (GYTI) Appreciations 2018

Sr No	Title	Students	Supervisor	Institute
1	3D bioprinted skin scar model for drug and cosmetic testing	Shikha Chawla Aarushi Sharma	Dr. Sourabh Ghosh	Indian Institutes Of Technology Delhi
2	A Non-contact Optical Device for Online Multiplexed Monitoring of Diseases of Military Importance in Fragile and Conflict-affected Settings	Probir Kumar Sarkar Aniruddha Adhikari Animesh Halder Soumendra Singh	Prof. (Dr.) Samir Kumar Pal	S. N. Bose National Centre For Basic Sciences
3	Performance Evaluation and Process Optimization for Production of Ready-to-Eat Therapeutic Food Paste in Pilot Scale Unit	Rakesh Kumar Raigar Danie Shajie A	Dr. H. N. Mishra	Indian Institute Of Technology Kharagpur
4	3D-NuS: A Web Server for Automated Modeling and Visualization of Non-Canonical 3-Dimensional Nucleic Acid Structures	L. Ponoop Prasad Patro Abhishek Kumar Narendar Kolimi	Dr. Thenmalarchelvi Rathinavelan	Indian Institute Of Technology Hyderabad
5	Eco Friendly Water retention Natural Polymer	Mr. Narayan Lal Gurjar Mr. Shashi Pratap Singh Shekhawat Mr. Ankit Jain	Dr. Shailendra Mohan Mathur	MPUAT Udaipur
6	New generation periscope fruit picking device	Tania Dutta	Dr. P Yogeeswari	BITS, Pilani, Hyderabad
7	Nano-biosensor And Methods For Detecting Potassium Ion Concentration	Jaymin Kanubhai Jadav Khyati Jagdish Rathod	Dr. B. A. Golakiya	Junagadh Agricultural University

8	Development of Smart Wearable Body Warmers using Graphene Coated Conductive Fabrics	Mr. Nagarjuna Neella Mr. Vaishakh Kedambaimoole	Prof. K. Rajanna Prof. M. M. Nayak Prof. N. S. Dinesh	Indian Institute of Science Bangalore
9	BUZZING BAND FOR HEARING AND SPEECH IMPAIRED	Saka Naveena Panchakarla Sevy Naga Priyanka Khande Dhana Lakshmi Murikipudi Bindu Madhavi	Prof. Ravuri Vishwanadham & Prof. K. Padma Vasavi	SVECW, Andhra Pradesh
10	Brain Wave Nerve Excitation for Physically Disabled	Sarath S Shilpa M Biju Shilpa P Prasad Midhun Raj Sachin S Nandha Kiran Hridhya Jolly K	Dr. Sunil Jacob	SCMC, School Of Engineering And Technology
11	A computational alternative to analyze and understand Ebola virus pathogenesis in human	Abantika Pal Anupam Banerjee	Dr. Pralay Mitra	Indian Institute Of Technology Kharagpur
12	Open Source Augmented Reality Wearable Smart Assist Device For Blind	Sarang Nerkar Ambarish Gurjar	Dr. Steve Mann	University Of Toronto
13	WhiteCane: A Virtual Assistant for the Visually Impaired	Barnopriyo Barua Kaustubh Mani Divyansh Gupta		Indian Institute Of Technology Kharagpur
14	Ionic movement based desalinator	L.R.Ravindranath S. Abilashvaran M. Logesh S. Aravindh	Dr. S. Anbumalar	SMVEC, Puducherry

15	Rapid Cervical Cancer Detection Using Neuromorphic Hardware	Narayani Bhatia Shridu Verma	Dr. Manan Suri	Indian Institute Of Technology Delhi
16	Design and Development of Intelligent and Robust Grid Integrated Solar PV System with Improved Power Quality for Roof Top Applications Especially for Abnormal Indian Distribution Feeder	Amresh Kumar Singh Ikhlq Hussain	Prof. Bhim Singh	Indian Institute Of Technology Delhi
17	Cerium impregnated activated carbon composite as a filtering material for fluoride removal from groundwater	Mahipal Hasan Ahmed Faisal	Dr. Trishikhi Raychoudhury	Indian Institute Of Technology Patna
18	Loco-pilot Vision Enhancement System: TRINETRA (Third eye) for Indian Railways	Anand Kumar K. S. Gurupadappa Motagi Ravindran R.	Prof. (Dr.) R. K. Saket	Indian Institute Of Technology BHU Varanasi
19	Katha - Exploration of narrative approach in furniture design	Ritika Singh	Dr. Koumudi Patil	Indian Institute Of Technology Kanpur
20	TULO - An Automated Mandibular Advancement Device for the treatment of sleep apnea	Vimal C	Prof. Dr. J. Ram Kumar	Indian Institute Of Technology Kanpur
21	Augmentative Rehabilitation of SCI and Stroke Patients	Kashif Islam Khan Sherwani	Dr. Neelesh Kumar	CSIR CSIO Chandigarh

22	Detection of hydrocarbons by laser assisted paper spray ionization mass spectrometry (LAPSI MS)	Pallab Basuri Debanjan Sarkar	Prof. Thalappil Pradeep	Indian Institute Of Technology Madras
23	An indigenous technology for development of cost-effective and energy-efficient engine intake air filters	Ajay Kumar Maddineni	Dr. Dipayan Das	Indian Institute Of Technology Delhi
24	Smartphone based portable low-cost continuous wave Doppler Ultrasound system	Biswabandhu Jana Rakesh Biswas Pallab Nath	Prof. Swapna Banerjee Dr. Goutam Saha	Indian Institute Of Technology Kharagpur
25	SIT:SMELL YOUR HEALTH	Srilekha Pilla Jyothi Chinta Dr. M. Mohan Varma	Dr. Pushpa Kotipalli	SVECW, Andhra Pradesh
26	On Board Diagnostic Data Analysis System- OBDAS	Archit Agarwal	Dr. Rajesh Singh Anita Gehlot	University Of Petroleum And Energy Studies, Dehradun
27	NOWAH (No Waste At Household) Technology - A Novel, Sustainable, Smart And Complete Treatment Technology For Both Feecal Sludge And Organic Waste Management	Ms. Anu Rachel Thomas Mr. Kaviyarasan R Ms. Arya V Mr. Praveen Rosario A	Prof. Ligy Philip	Indian Institute Of Technology Madras
28	Bioelectric Toilet: A Novel Approach For Treatment Of Human Waste And Generating Onsite Electricity For Lighting Toilets.	Indrasis Das Dipak A. Jadhav	Dr. Makarand Madhao Ghangrekar	Indian Institute Of Technology Kharagpur