

# Gandhian Young Technological Innovation (GYTI) Awards 2018

No	Status	Title	Students	Supervisors	Institute
1	BIRAC GYTI Award	Understanding the design principles of protein nanosensor to combat multidrug resistant enterobacteriaceae	Abhishek Narayan	Dr. Athi Narayanan N	Indian Institutes of Technology Madras
2	BIRAC GYTI Award	Miniaturized Fluorescence adapter for Fluorescence Sputum Smear Microscopy using bright-field microscope	Vikas Pandey Pooja Singh Saurabh Singh	Dr. Ravikrishnan Elangovan	Indian Institutes of Technology Delhi
3	BIRAC GYTI Award	Decellularized corneal matrix (DCM) based injectable hydrogel for strengthening cornea matrix in severe Corneal Keratoconus	Shibu Chameettachal Dr. M S Sridhar	Dr. Falguni Pati	Indian Institutes of Technology Hyderabad
4	GYTI Award	Design of Low Cost Infrared Vein Detector	Trivikram A	Prof. Purba Joshi Prof. B. K. Chakravarthy	Indian Institutes of Technology Bombay
5	BIRAC GYTI Award	Smartphone-based impedimetric disposable biosensor for detection of cardiac biomarkers	Debasmita Mondal Sourabh Agrawal	Dr. Soumyo Mukherji	Indian Institutes of Technology Bombay
6	BIRAC GYTI Award	A novel strategy to block malaria transmission	Divya Beri Shweta Chaubey Aparna Sudhakar	Prof. Utpal Tatu	Indian Institute of Science Bangalore
7	BIRAC GYTI Award	A Low-Cost Disposable Microfluidic Biochip for malaria diagnosis	Brince Paul K Asisa Kumar Panigrahi	Prof. Shiv Govind Singh	Indian Institutes of Technology Hyderabad
8	BIRAC GYTI Award	Super resolution Ultrasonic Imaging (SUI)	Amireddy Kiran Kumar	Dr. Krishnan Balasubramanian & Dr. Prabhu Rajagopal	Indian Institutes of Technology Madras

9	BIRAC GYTI Award	NanoSpermviricide: A Dual Acting Aid for Prevention of Unintended Pregnancy and Unprotected Sexual Intercourse Associated HIV	Amit Girishkumar Mirani Prashant Girish Upadhaya	Dr. Vandana B. Patravale	Institute of Chemical Technology Mumbai
10	BIRAC GYTI Award	SNAP - A RAW images' based setup that can calculate nutrient concentration in leaves	Ekdeep Singh Lubana	Prof. Maryam Baghini	Indian Institutes of Technology Roorkee
11	BIRAC GYTI Award	Nano based soil conditioner for agricultural application	Pallabi Das Kasturi Sarmah	Dr. Satya Sundar Bhattacharya and Dr. Sanjay Pratihari	Tezpur University, Assam
12	GYTI Award	Battery-less IoT Sensing Nodes	Anandarup Mukherjee Arijit Roy Sanku Kumar Roy	Dr. Sudip Misra	Indian Institutes of Technology Kharagpur
13	BIRAC GYTI Award	Design and development of Phase Change Material (PCM) based Milking cum Cooling Pail	Ravi Prakash	Dr. Menon Rekha Ravindra Dr. M Manjunatha	National Dairy Research Institute, Bangalore
14	BIRAC GYTI Award	Point of Care Nano Diagnostic Kit for Brucellosis	Rohit Shivaji Pawar Swati Suhas Vyas	Dr Vandana B. Patravale	Institute of Chemical Technology Mumbai
15	BIRAC GYTI Award	Rolling Water Purifier - Roll Pure	Ramesh Kumar Swathy Ravindran	Prof. Thalappil Pradeep	Indian Institutes of Technology Madras
16	BIRAC GYTI Award	A multipurpose low cost biological air purifier	Neeta Wagle Priti Prabhakar Yewale	Dr Neelu Nawani	Dr. D.Y. Patil Vidyapeeth Pune
17	BIRAC GYTI Award	An Alternative Technology to Produce Biomass-Based Food Grade Flavors, Fuels and Value Added Chemicals	Shelaka Gupta Md. Imteyaz Alam Tuhin S. Khan Ejaz Ahmad Fatima Jalid	Dr. M. Ali Haider	Indian Institutes of Technology Delhi

18	GYTI Award	A novel low cost polyvinyl alcohol-Nafion-borosilicate membrane separator for microbial fuel cell treating distillery wastewater	Bikash Ranjan Tiwari Md. Tabish Noori	Prof. Makarand Madhao Ghangrekar	Indian Institutes of Technology Kharagpur
19	GYTI Award	Feasibility Study of Wireless Power Transfer Using Metamaterial	Amit Kumar Baghel Shashank Satish Kulkarni	Dr. Sisir Kumar Nayak D. Senthil Kumar	Indian Institutes of Technology Guwahati
20	GYTI Award	Magnetic tool for nano finishing the holes, vertical and horizontal surfaces	Girish Chandra Verma	Prof. Pulak Mohan Pandey	Indian Institutes of Technology Delhi
21	GYTI Award	Design of Window Solar Cooker	Avinash Prabhune	Chakravarthy B K	Indian Institutes of Technology Bombay
22	GYTI Award	Road Accident Detection using Perceptual Attributes of Video	Sinnu Susan Thomas	Prof. Sumana Gupta Prof. K. S. Venkatesh	Indian Institutes of Technology Kanpur
23	GYTI Award	Origgon - Social Search Engine	Abhik Saha		Don Bosco High School Assam

