

Gandhian Young Technological Innovation (GYTI) Awards – 2023

Result Announcement

AWARDS				
S. No.	Proposal No.	Proposal Title	Innovator Name	Institute Name
1	16545	Ultraportable device for soil nutrient quantification	Abhishesh Pal	Birla Institute of Technology and Sciences
2	16353	Nanocarbon enforced anisotropic musculo-responsive polymer carbon composite (Muscamlr) for quick recovery of mechanically damaged skeletal muscles: a translational bioengineered product for athletes and defense personnels	Niranjan Chatterjee	IIT Kanpur
3	16404	A portable microfluidic device for detecting infectious diseases (Sars-CoV-2) and a method thereof	Natish Kumar	IIT Jammu
4	16689	See your insulin: proposing a self-investigated insulin quality monitoring method	Shantanu Sen	IIT Kanpur
5	16349	Paper based point of care device for chronic kidney disease diagnosis	Divya	IIT (BHU) Varanasi
6	16596	Adaptive trolley E-drive	A Arjun	A.P.J. Abdul Kalam Technological University

7	16603	Development and clinical validation of a multimodal probe for breast cancer margin assessment	Apurva Dahake	Indian Institute of Science
8	16656	Persulfate enhanced ciprofloxacin removal from water by laser-induced graphene-based electroconductive ultrafiltration membrane	Najmul Haque Barbhuiya	IIT Bombay
9	16470	Customer-friendly smartphone-based portable optical device for determination of chemical spoilage of fish suitable for field analysis	Monica Yumnam	Tezpur University
10	16295	Novel method of plasma extraction from blood droplet	Uddipta Singha	IIT Bombay
11	16494	Antimicrobial hemostatic sponge: point of care technology to cease haemorrhage and cure infection in traumatic injuries	Sudip Mukherjee	Jawaharlal Nehru Centre for Advanced Scientific Research

APPRECIATION

S. No.	Proposal No.	Proposal Title	Innovator Name	Institute Name
1	16380	Development of "off the shelf" lyopreserved placental graft for diabetic foot ulcer management	Satarupa Sarkar	IIT Ropar
2	16388	Design of a robotic manipulator for minimally invasive surgery	Amanpreet Singh	IIT Delhi
3	16700	Pragati - Parkinson's rehabilitation and assistance for gait using artificial intelligence	Ankita Raghuvanshi	IIT Gandhinagar

4	16312	Safety-enriched pouch/sachet cutter for FMCG rework	Gurdeep Singh	IIT Guwahati
5	16519	AI and Iot Assisted portable water quality monitoring system for simultaneous detection of heavy metals	Sreerama Amrutha Lahari	Birla Institute of Technology & Science
6	16276	Vibe - wearable assistive and rehabilitation device for people with hearing impairment	Velmurugan S	IIT Madras
7	16432	U-Ast Kit: an easy to use, cheap, point of care method for the detection of urine infection along with antibiotic sensitivity profile	Maheshwari Behera	Central Salt & Marine Chemicals Research Institute (CSIR-CSMCRI)
8	16271	Colorimetric chemosensor for rapid detection of fluoroquinolone load in environmental water bodies, urine, and counterfeit drug testing	Tathagata Pal	IIT Bombay
9	16403	Development of EEG signal-controlled pneumatic medical bed for patients with severe motor disabilities	Ashish Siddharth, Manmohan Labh, Yalla Mark Vishal, Inmapudi Sai Amith	IIT Dhanbad
10	16483	4d Printing of smart materials for absorbable and deployable medical devices	Saswat Choudhury	Indian Institute of Science
11	16588	Development of low-cost technology for simultaneous arsenic and fluoride removal from groundwater for community drinking purpose	Hemant Goyal	IIT Roorkee

12	16252	Design of affordable surface decorated graphene oxide nanocomposites for label free prognosis of alzheimer's disease	Sopan Nangare	North Maharashtra University
13	16261	Complete recycling of e-waste using greener approach	Amrita Preetam	IIT Delhi
14	16321	Low cost, safe and high energy dense mechanically rechargeable zinc-air batteries for long-duration grid energy storage	Akhil Kongara	IIT Madras
15	16644	Technology for valorization of keratin waste to value added products	Payal Yelne	Institute of Chemical Technology
16	16409	Global navigational receiver semiconductor chip (dhruva) development for Navic/Gps/Galileo/Beidou	Vijaya Kumar Kanchetla	IIT Bombay
17	16711	Ikshana: an integrated system for adaptive stimulation treatment of urinary incontinence	Komal Shah	Indian Institute of Science
18	16368	Novel biological clue assisting polymeric hydrogel mimic the cellular microenvironment and protect from oxidative stress for neuroregenerative application	Kirti Wasnik	IIT BHU
19	16375	Electrophysiology-on-a-chip device: a biomimetic test-bench for probing electrical field modulation of cancer metastasis	Sampad Laha	IIT Kharagpur
20	16242	Phytonanogel shield: precision care for psoriasis patients	Roshan Keshari	IIT Bombay
21	16654	Development of bacteriophage-chitosan microparticles for biofilm-mediated multidrug-resistant bacterial infections on burn wounds	Deepa Dehari	IIT BHU

22	16730	Implementation of computational and machine learning techniques for the development of in silico tools and identification of novel leads for the treatment of Alzheimer's Disease.	Ankit Ganeshpurkar	IIT-BHU
23	16407	Use and throw polymeric tooth cover for acute tooth ache and inflammation to proffer non- permanent relief	Vikas Choudhary	University of Mumbai
24	16669	An impedance based liquid biopsy method for cancer screening and diagnosis using cfDNA as a biomarker	Tejal Dube	IIT Delhi
25	16599	Multi-station multi-axis hybrid layered manufacturing system	Neel Kamal Gupta	IIT Bombay
26	16618	Affordable vaccines for drug-resistant diarrhoea	Namrata Baruah	IIT Kanpur