

Gandhian Young Technological Innovation (GYTI) Awards 2016

Title	Student	Supervisor Name	College/Institute
GYTI BIRAC AWARD			
Simple Low-cost Bioactive Titanium Foam via Novel Route for Skeletal Tissue Reunion	KausikKapat	SantanuDhara	Indian Institute of Technology, Kharagpur
Flexible biodegradable anti-microbial new advanced form of Intra Uterine Contraceptive Device (IUCD)	Bhuvaneshwaran Subramanian	Professor DR. Sujoy K Guha	Indian Institute of Technology, Kharagpur
	Selvakumar M		
	DibyenduGouri		
Automated opto-fluidic Microscope for Cellular Diagnostic Testing.	VeerendraKalyanJagannadh	Dr. Sai Siva Gorthi	Indian Institute of Science, Bengaluru, Karnatak
	Jayesh V. Adhikari		
	Albina L. Nirupa		
	Rashmi S		
	BinduBhat		
3D printed hydroxyapatite tray for segmental mandibular bone reconstruction by stem cell delivery for oral cancer patients	Sanskrita Das	Dr. Sourabh Ghosh	Indian Institute of Technology Delhi
	Dr. PraveshMehra		
NStomoz - Vascular anastomosis assist device	Anand Parikh	Prof VenkateshBalasubramanian; Dr V B Narayanamurthy	Indian Institute of Technology Madras

Wearable drug delivery device based on microneedles for efficient management of Chemotherapy Induced Nausea and Vomiting (CINV) and Nausea and Vomiting in Pregnancy (NVP)	Bhushan N Kharbikar	Prof Rohit Srivastava	Indian Institute of Technology Bombay
Automatic Urine And Fecal Disposal System	Neenu Jose	Jinu.Sebastian	Sahrdaya College of Engineering And Technology
	Athul.K.Raj,		
	Athira.K.R,		
	Neenu.P		
Device for IntrapartumMaterno-Fetal Care	Vichal P M	Appaji M Abhishek	Bms College of Engineering, Visvesvaray
Rapid Endotoxin Entrapment and Detection on Surface-engineered Glass Substrates	Sachin Kumar	Dr. Shalini Gupta	Indian Institute of Technology Delhi
	PrasantaKalita,		
	Ruchika Sharma,		
	NitishGoel		
Near Infra-Red light Activable Iron(III) Complex as a Remarkable and organelle-targeted Anti-cancer Agent for the Photodynamic Therapy Application	Aditya Garai	Prof. A. R. Chakravarty	Indian Institute of Science, Bangalore
Energy efficient combined process of	Sreemoyee Ghosh Ray	Prof. M. M. Ghangrekar, Department of	Indian Institute of Technology, Kharagpur
	GouravDharBhowmick		

microbial fuel cell (MFC) and membrane bioreactor (MBR) for high efficiency and reliable treatment of organic wastewater		Civil Engineering, IIT-Kharagpur	
A Novel Compound Restores Obsolete Antibiotics to NDM-1 Superbugs	Divakara SS Murthy Uppu JayantaHaldar, Goutham B Manjunath Padma Akkapeddi	Prof. JayantaHaldar	Jawaharlal Nehru Centre For Advanced Scientific Research (Jncasr)
Development of a novel, non-biological pyrogen/micro cellular components detection technique for purification and depyrogenation of water.	Yadav Vijay Dukhran Rohan Chhabra, Nikhil Kalane, AnomitraDey, Tejal Pant Dr. Ratnesh Jain	Dr. PrajaktaDandekar Jain	Institute of Chemical Technology, Mumbai
A Compact Microwave Sensor for Characterization of Radomes and Dielectric Signature Detection of Materials in 3G and 4G GSM Bands	Abhishek Kumar Jha	Dr. M. J. Akhtar	Indian Institute of Technology, Kanpur
Development of portable device based on polarized fluorescence for detection of cervical pre-	Bharat LalMeena Ms. Seema Devi, Prof. Asima Pradhan, Dr. Kiran Pandey, Dr. Asha Agrawal	Prof. AsimaPrdhan	India Institute of Technology, Kanpur

cancer			
GYTI AWARD			
X-niff: Microcantilever based Electronic-nose platform for airborne chemical vapor sensing	Gaurav Gupta	Prof. ValipeRamgopal Rao	Indian Institute of Technology Bombay
	Vijay ShrinivasPalaparthi,		
	ShambhulingayyaNingayya Doddapujar		
	Pallabi Das		
Design of an Innovative Retrofitted Tricycle for a Disabled Person	PushkarajSonawane	Prof. Pushkaraj D. Sonawane and Prof. Dr. Sandip T. Chavan	Maharashtra Institute of Technology, Pune
	Prof. Pushkaraj D. Sonawane		
	Prof. Dr. Sandip T. Chavan		
Soya Nuggets A novel Drug Delivery Vehicle	UtkarshBhutani	Dr. SaptarshiMajumdar	Indian Institute of Technology Hyderabad
Hari Om Ashram Prerit Dr. Amulya K.N. Reddy GYTI Award			
Air-Assisted Electrostatic Sprayer (AAESS)	Manoj Kumar Patel	C Ghanshyam	Academy of Scientific and Innovative Research (AcSIR-CSIO), Chandigarh
High Altitude Wind Energy Using Kite- A revolution in Renewable Energy.	Roystan Vijay Castelino	Prof. Lokesh B	Srinivas Institute of Technology, Merlapadavu, Valachil, Mangaluru
Low Cost Sanitary Napkin Disposal Machine	AiswaryaParamadathil		ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Design And Development Of Semi-Automatic Flower Knotting Device	C. Cornelius Durai,	Dr. G. Senthil Kumar	Velammal College of Engineering and Technology
	S.Lakshmana Raja,		
	S. Sriram		

Automatic Sugarcane Juicer	NilkanthaDashrathGadakh		K. K. Wagh Institute Of Engineering Education and Research, Nashik
GYTI APPRECIATION AWARD			
An Indigenous Oxygen Dosing Device To Conserve Oxygen Using Patient Monitoring System	srividhyasakthi		Sri Ramakrishna Engineering College
Neuronal Cells Produced From Non-Neuronal Cell Line Using Walnut Oil	Dr. Varsha Singh		Chitkara University
Cost effective self-stabilizing smart hand held platform (spoon/pen) for elderly or Parkinson's disease patients	Debjyoti Chowdhury	Dr. MadhurimaChatto padhyay	Heritage Institute of Technology
Paper microfluidic chip	Avisekbarla		Indian Institute of Technology Madras
	Sameer Sharma		
Multimechanistic Polymer Based Novel Drug Eluting Stent Coating	Dr. GovindaKapusetti		National Institute of Pharmaceutical Education and Research, Ahmedabad
	Ms. Shiva KalyaniAdepu		
	Prof KiranKalia		
Harnessing Micro Air Jets for Spraying Viscous Non-Newtonian Fuels	Manisha B. Padwal	Prof. D. P. Mishra	Indian Institute of Technology, Kanpur
	Prof. D. P. Mishra		
Paper based resistive touch-pad for electronic applications	MitradipBhattacharjee	Dr. DipankarBandyopadhyay	Indian Institute of Technology Guwahati

Nano Material Based Flexible Aqueous Power Cell for Energy Conversion and Storage(Self-Charging and Flexible Aqueous Power Cell).	VinayGangaraju	Prof. Dinesh Rangappa and Dr. D. S. Prasanna	Dept. of Nanotechnology, PG Center Bangalore Region, Visvesvaraya Technological University
Handicap Support Device	Vishrut Bhatt	Mr. HarshulBhrambhat	LJ Polytechnic
	SumanthMudaliar .		
	Joshi Ashay .		
	Dave Kaushal.		
Biobased Adhesive Formulation for Construction Applications	NeelimaTripathi	Dr. VimalKatiyar	Indian Institute of Technology Guwahati (IIT Guwahati)
CHECKit - A low cost mobile OMR system	Rahul Patel	MehulRaval, Dhruv Gupta	Institute of Engineering & Technology
Green flexible conducting paper from edible bacteria derived 3D nanocellulose matrix and polyaniline	DivyaAnand	Dr. MudrikaKhandelwal	Indian Institute of Technology(IIT) Hyderabad
Latex (Natural Rubber) Carry Backpack	AjinOmanakuttan	Prof. Abi Varghese	AmalJyothi College Of Engineering, Kanjirappally
Bio-Inspired Flapping Near Surface Underwater Vehicle	Mannam Naga Praveen Babu	Prof. Krishnankutty. P	Indian Institute of Technology Madras
E-Droid Meter	Bitu C. Ghoniya	Urmi Desai	Sarvajanik College of Engineering & Technology
	Shruti B. Patel,		
	Jigisha M. Karangiya,		
	Jinal N. Modi		
Design and	Patel Krunal	Sandipgodse	Shri satasangisaketdham

development of multipurpose electric cycle	Brijeshpatel,		
	Prashantsolanki		
	Jigarparmar		
Cost effective mechanical testing equipment for characterising creep behaviour of materials under combined tension-torsion loading	Vineesh K P	Prof. VikranthRacherla	Indian Institute of Technology Kharagpur, Kharagpur
Application Of Nano Material To Analyze The Strength Of Concrete	DhrafaniIshitaMayurkumar	Mr. Hitesh RameshchandraAs hani	VyavasayiVidyaPratisht han'sSanch. College Of Engineering, Rajkot
mSleep - Measure your Sleep	Shuchita Gupta	DrVinayakNaik	Indraprastha Institute of Information Technology, Delhi
	Yashovardhan Sharma		
Straut AERO : Solar Industrial Hot Air Generator	Sharad Parekh	Dr. Nilesh Bhatt	Universal College of Engineering & Technology