

Press Release

Ahmedabad
24th March 2013

Gandhian Young Technological Innovation Awards 2013

Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI) proudly announces the names of the award winners of the Second National Innovation Competition of Young Technologists (Yuva Yantriks) - Gandhian Young Technological Innovation Awards 2013. The award ceremony will be held at Ravi J Mathai Centre, IIM Ahmedabad 10:15 am onwards where Dr RA Mashelkar, Chairperson- National Innovation Foundation – India, National Research Professor and President, Global Research Alliance would give away the awards. There would also be an exhibition of all innovations to be recognized in the function.

To promote culture of innovation amongst the young minds of the country SRISTI has established these national awards for innovative student/faculty projects in engineering, pharmacy, science and applied technologies in the following three categories.

1. SRISTI More from Less for Many Award
2. SRISTI Socially Relevant Technological Innovation Award
3. SRISTI Technological Edge / Strategic Innovation Award

In all 1840 nominations were received 110 Universities and Institutions from 21 states of the country. These entries were clustered in 25 sectors. Qualifying 958 nominations were considered for the competition and after careful review by 175 jury members from 65 Universities and MNC research laboratories, 43 entries were selected for recognition. There are in total twenty two awards and twenty one appreciations in the above three categories as per the details below.

For more information the following may be contacted

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Awards (22)

SRISTI More from Less for Many Awards

1. Saral parikshan - advancement in cutting edge technology for rural area to detect vitamin B12 for pernicious anemia - L. Sagaya Selva Kumar

2. Digital Pen, which works on almost any surface - Kalpesh Wani, Vivek Bavishi, Venkat Rao
3. Laser ignited internal combustion engine - Kewal Dharamshi
4. Ultra low cost tunable nano scale patterns - Nandini Bhandaru
5. Clubfoot orthosis - Kanwaljit Singh
6. Reactor & catalyst development for oxygen evolving step in sulfur-iodine cycle for hydrogen production - Kishore Kondamudi

SRISTI Technological Edge / Strategic Innovation Awards

1. Nanofinishing of freeform surfaces of prosthesis knee joint implants - Sidpara Ajay Muljibhai
2. Multifunctional nano-in-micro alginate microspheres for biosensing, drug delivery and MRI - Rashmi Dilip Chaudhari, Abhijeet Joshi
3. Highly gas impermeable elastomeric rubber-rubber blend nano composites - Ajesh K Zachariah
4. A portable and efficient electronic filter for sub-micron particles from fluids - Aswathi R Nair
5. Apparatus for making silk fiber based lamellar biomaterials to solve problem of lower back pain - Maumita Bhattacharjee

SRISTI Socially Relevant Technological Innovation Awards

1. Hydro operated square bottom paper and jute bag making machine, which also generates electricity and filters water - Anirudh Thakur
2. Novel standalone 1-phase AC generator for rural electrification using renewable energy - Sandeep Vuddanti
3. E-diagnoser: an advanced low cost patient monitoring watch - Libin Varghese, Pillai Sareesh, Shubin Joseph, Adarsh. S, Chithira Jacob, Nithya Merin, Anoop P.
- 4A. Vision for the blind using ultrasound sensors - Santosh Kumar Bhandari, Amrita Pattnaik , Vinod K
- 4B. The third eye - Naveen Kumar Rai
- 4C. Electronic support system for physically disabled (deaf & dumb) - Margie Ashok Joshi, Vishal Patel, Chirag Patel, Jay Patel
4. Spectral eye - Sai Vijay Gole, Saket Choudhary, Yashesh Gaur
5. Automatic fish scaling machine - M. Rajesh Kanna, C. Mathan, M. V. Krishnamoorthy, Mahesh Mithilesh
6. Chetna -celebrate your pregnancy - Keyur Sorathia, Amit Ranjan, Jagriti Kumar

7. Vajra (Vessel Desk) - Raghunath P Lohar
8. SHE - Manisha Mohan, Rimpi Tripathi, Niladri Basubal

Appreciation (21)

Category: More from Less for Many

1. Re- arranging unused contacts in mobile phone for better accessibility - Bala Vishnu R, T. Kartick Kumar, P. Gowtham Raj , M. Murali Prasanth
2. Development of bamboo-epoxy nanocomposites for manufacturing of helmets and other structural applications - Vivek Kumar
3. Automatic cloth spreader - Jaydeep Sunilbhai Parmar, Ankur B. Thumar
4. Hybrid classifier for marine vessel based upon propulsion type - Piyush Aggarwal
5. Design of a smart automotive ventilation system for parked vehicles - Gaurav Kumar Jaiswal, Mohit Gandhi, Sanket Phalgaonkar, Harshal Upadhyay, Ankit Agrawal
6. Graphics model for power systems and design of online web-based virtual scada system for visual power grid and future control centers - Gelli Ravikumar
7. Development and in vivo evaluation of novel cross linked hydrogel containing anti-microbial drug for severe burns wound - Chakavala Soyeb Rafikbhai, Vaishali Thakkar
8. Dredger - Amit Dinanath Maurya, Digvijay Maheshwari

Category: Technological Edge / Strategic Innovation

1. Target oriented niosome based delivery of an antitubercular drug, development and characterization - Gyanendra Singh, A.K. Srivastava
2. Self-cleaning functional molecular material - M.B. Avinash, Carsten Chmuck, Elisabeth

Category: Socially Relevant Technological Innovation

1. Ambulatory health network application - Jayesh Vrujlal Khasatiya
2. Mosquitocidal endotoxin from poultry farm wastes - Bishwambhar Mishra, Abhishek Gupta
3. Sancharak: A cell-phone for blind people - Rohit Bharkat Kumar Singh, Hitarth Narsi Patel, Navnath Bhimrao Mane, Tanmay Vinay Shinde, Rahul Dilip Kapoor
4. Semi-automatic rubber tapping machine - G. R. Malarmannan, S. Emmanuel Richards

5. Cow Dung based Microbial Fuel Cells(CDFC) to light up Indian villages - Vishnu Jayaprakash
6. Development of a geo-hazard warning communication system - Devanjan Bhattacharya
7. Prognosis of the pre-diabetes and type 2 diabetes based on the non-invasive estimation of the blood glucose using infrared thermography against the bio-marker - Sivanandam S, Anburajan M, Menaka M, Sharath D
8. Saree cutting machine for mat making handlooms - Alap Kshirsagar, Abhijit Patil, Vikalp Jambhulkar
9. Memory aid for people with disability - Devender Goyal, Aditi Srinivasan, Nirali Savla
10. Comprehensive protection from electrocution - Ramdas M U, Sonu Unnikrishnan K, Ashfaq Muhammed T, Shahin TA, Sreelakshmy Suresh and Sruthy
11. High Performance Cooking Stove (HPCS) - Mayur Rastogi