

## RAMAN SCIENCE CENTRE AND PLANETARIUM, NAGPUR

### RAMAN FESTIVAL OF INNOVATION-2020

Following projects have been selected for participation in Raman Festival of Innovation.

The students are requested to report at 9.00 am on 13<sup>th</sup> February 2020 to set up their models/projects. All the students are required to stay with the projects from 13<sup>th</sup> to 15<sup>th</sup> February 2020 from 11.00 am to 5.00 pm.

Please note that inauguration will be held at 11.00 am. On 13<sup>th</sup> February 2020.

#### List of selected projects from Engineering Colleges:

Category	Name Of Institution	Name of the students	Title of the project
EC- 01	Priyadarshini Indira Gandhi college of Engineering	Shreya Bagde Swapnil Gaikwad	Smart Helmet
EC- 02	Priyadarshini Indira Gandhi college of Engineering	Sakshi Tummurwar Akash Karnade	Automatic highlight dipper while travelling
EC-03	NIT polytechnic, Nagpur	Kunal Nimkar Sudip Pidkatwar	Fabrication of Manhole scavenging
EC-04	NIT polytechnic	Rahul Maske Saurabh Raut	Fabrication of multipurpose agriculture machine
EC-05	Bapurao Deshmukh college of engineering , sevagram	Saibindu Domala Pranav Nandeshwar	Medi drone -SWAM 2500
EC-06	Nagpur Institute of Technology	Payal Charpe Harshita Dakhode Chandani Gajbhiye	Design and implementation of sign board detection & recognition for self driving vehicle
EC -07	Priyadarshini Indira Gandhi College of Engineering	Laxmi Matale Piyush Ddudhkawale	Fast evehicle charging by solar panel
EC-08	Priyadarshini Indira Gandhi College of Engineering	Akash Mule Mrunali Ramteke	Automatic ht, Wt and BMI detector system
EC-09	Govt College of Engineering	Zaveria Kulsoom Udaypratap Rao	Intelegent classroom analysis system
EC-10	K DK college of Eng	Jagdish Dhakate Pratik Nikule	IOT based flow measurement and control
EC-11	Anjuman College of Eng and Tech	Momd Irfan Ansari Amankumar Shende	Eco friendly hybrid electric bike
EC-12	Priyadarshini College of Eng	Kunal Pote Pranay Halale	Reflection
EC-13	Shri Datta meghe polytechnic	Deepak Kunjeker Nikhil thakrey	Integrated cooler and heater
EC-14	Shri Datta meghe polytechnic	Khush Wanjan Tanmay Dupare	Modern wheelchair
EC-15	NIT polytechnic Nagpur	Sudarshan Tembhurne Pallavi Khandate	Live energy meter with load theft detection using zig-Bee
EC-16	NIT polytechnic Nagpur	Anshul Malviya Pratik Daherwar	Power reactor
EC-17	Gurunanak Institute of Technology	Shreekant Gosavi	Savvy-the personel Aassistant with voice control home automation and IOT inabled securities

EC-18	Gurunanak Institute of Technology	Rohit Rahile Sarang Takit	Student management system
EC-19	Gurunanak Institute of Technology	Manish Deshmukh Arjun Jamunkar	Innovative residence
EC-20	Priyadarshini Bhagwati College of engineering	Anchal Jain Alisha Raut	Smart Garbage Identification and Collection using Drone and Geofencing
EC-21	Nagarjun Institute of Engineering, Technology & management	Pragati Chawke Pranali Bagde Tejaswinin Dane	Monitoring of Electrical Load using IOT
EC-22	G.H. Rasoni College of Engineering	Vedant Bahel Rishita Mishra	Medilysis – Early Breast Cancer Detection
EC-23	G.H. Rasoni College of Engineering	Daksh Shende Ankita Chandra	IOT powered Climate Monitoring System
EC-24	Cummins College of Engineering	Preeti Sonare Neha Rautray	Air Pollution Monitoring in Smart City using IOT
EC-25	Cummins College of Engineering	Samiksha Chaudhari Ankita Singh	Design and Fabrication of Online Inspection system for bottle Cap by using micro controller
EC-26	Jhulelal Institute of Technology	Rohit Pautare Vasu Pautare	Road Safety in Hill Areas using IOT and WSN

#### List of selected projects from Schools:

HS-01	K John Public school	Kartik Tichkule Palash Devan gan	Staddling bus turbulent vortex
HS-02	Tejswini vidya mandir	Ansh Chirwatkar	Touch Mirror LED light
HS-03	Shri Rajendra High School	Khushal Deogade	Irrigation Sprinkler and drip with air pressure
HS-04	Shri Rajendra High School	Aditya Sharma	Animar or bird repellar clipper
HS-05	Shri Gajanan Vidyalay	Akshay Virendra Kueshal	Smart gate security, fire security, solar remote control fan
HS-06	Gramin Vikas vidyalay	Prachi Mahalle Srushti Gaidhane	Buy buy thirsty -crops
HS-07	Gramin Vikas vidyalay	Vansh Meshram Dipesh Padole	Automatic Clothline
HS-08	Bharat dnyan mandirm Jr College , Wardha	Puja dhoble Vedant Dhoble	Organosocial ecology with new technology
HS-09	Bhavans B P vidya Mandir Koradi	Adit Ambedare Mahi Parhadkar	Sensor based accident prevention system
HS-10	Center Point School	Hridbeg Choudhari Tanish badonia	(VIRJAL) Science and technology for sustainable development with athrust on water conservation
HS-11	Podar International School, godhani	Shubham Thakre Shilpak Jagtap	Noise pollution Indicator
HS-12	Sagar Public School, Bhopal	Mihir Parmar Shreyas Oza	Hitech bag (tinker bag)
HS-13	Sandipani	Vedant ijamulwar	Portable power plant
HS-14	St. Xaviers High School	Samarth Verulkar Hrishikesh Khawse	Tech Hand

### List of selected projects from Members of Innovation Centre, RSC, Nagpur

IH -01	Innovation Hub	Aditya Sing	Eagle eye responder
IH-02	Innovation Hub	Adya Girhe	Retrieval of AI from utilized medicinal strips
IH-03	Innovation Hub	Pournima Jamnik	Extraction of Lycopene from tomatoes for anticancerous study
IH-04	Innovation Hub	Baquar Husain Ghazi	Bladeless fan
IH-05	Innovation Hub	Pranav Mankar	Industrial robotic arm
IH-06	Innovation Hub	Shloak Niding	Construction and mechanism of mechanism wheel
IH-07	Innovation Hub	Pratik Udole	Fuel Measuring Device
IH-08	Innovation Hub	Rohit Agrawal	A device for computing calories consumed by brain
IH-09	Innovation Hub	Mohmd. Ehatshan Danish Azhar Farouque Sber	Dosa Matic machine hardware
IH-10	Innovation Hub	Aditya Sing	Dosa Matic machine software
IH-11	Innovation Hub	Tanish Chouhan	Moisture retaining sugarcane
IH-12	Innovation Hub	Chinmay Borkar Shreyas Bhange	Grain Segregator

### List of selected projects from Science / Veterinary & Pharmacy Colleges:

SC-01	Yeshwant Mahavidyalay Kalameshwar	Nitesh Ukey Suraj Nimbalkar	Designing circuit to detect mobile phone
SC-02	Yeshwant Mahavidyalay Kalameshwar	Seema Mowade Madhuri Surve	Automatic exhaust fan attac to pan of comod to achieve max advantage
SC-03	Hislop College Nagpur	Saniya Kariya Aleena Sebastian	Synthesis of highly dispersed copper nanoparticle on carbon
SC-04	Hislop College Nagpur	Kajal Ganthade Pratiksha Awale	Green synthesis and biological activities of metal on nanoparticle using plant extract
SC-05	Sardar patel mahavidyalay	Roshni Nagpure Renuka Marshettiwar	Argencylptus
SC-06	Sardar patel mahavidyalay	Manali Rateke Vaibhav Hokam	HORICKS
SC-07	Bapurao Deshmukh college of engineering , sevagram	Pranay Bhandarkar Sakshi Waghale	Treatment of waste water by using various locally available materials
SC-08	Hislop College	Binaka Samuel Abhishek Karade	I-help

SC-09	Sevasadan Saksham School	Paritosh Kolwadkar Bhargav Dhawale	Automatic errigation system
SC-10	Kamala Nehru Mahavidyalay	Laxmi Pandey Ravina Sewatkar	Garbage collection bin overflow indicator using GSM technology
SC-11	Kamala Nehru Mahavidyalay	Sanskruiti Smarth	Android application based anti protected vehicle security system using blu tooth controller
SC-12	Shivaji Science college	Yogesh Nimaje Sagar Paikmore	Design Thermogravimetric analysis instriment by using aurdino uno
SC-13	Govt. Institute of Forensic Science	Ashlesha Dipale Lina Bhojar	Nano biosensor a tool for onsite and rapid detection of - lead
SC-14	Nagpur Veternary college	Mayur Mehetre	Tiger cannon( to reduce man animal conflict)
SC-15	PGT department	Haleema khan	Synthesis of ZnO nanoparticle as efficient photocatalyst and potent anti robial agent
SC-16	PGT department	Aishwarya mhaiskar	Dendrimeric twidendrimeric macromolecular architectural motif and its application
SC-17	D.D.Bhojar college of Arts & Science	Ashwini pangal	Cost efficient process for extraction of chitosan and preparation of biodegradable polymer for photo selective shed
SC-18	D.D.Bhojar college of Arts & Science	Achal sathawane	A way to enhance active properties and yield
SC-19	Hislop college	Chaitanya Gadekar Hemant Gabhane	Constructed wet lands for Nag river
SC-20	Priyadarshini College of Pharmacy	Sudarshan Behere Sukanya Korewar	Super Critical Auid Extraction – A Green Technology and Innovation in Extraction of Bio-Active Compound
SC-21	Bajaj Science Centre	Piyush Panpaliya Atharva Warbhe	Anti Sleep Goggles for Drivers
SC-22	Anurag college of pharmacy	Anamika Agade Sumiti Khaparde	Modified(E.P.M) elevated plus maze
SC-23	J.D. M. V. P. Nutan Maratha College Jalgaon	Sudhanshu Chaudhari	Fire Extinguisher ball

#### List of selected projects from Start Up Activity:

SU-01	VSPM private industrial training institute, Katol	Vaibhav Bhojar Harsh Pande	Smart Bike innovation
SU-02	VSPM private industrial training institute, Katol	Bhavesh Lade Aditya Bhojar	Smart irrigation and farming gun
SU-03	I max home theatre	Prashant Chirwatkar	Android projector
SU-04	Nalanda Abhiyan Lab	Shyanky Sakhare Ashish Shende	Think Tank