

RESEARCH INCUBATION PROGRAMME (RINP)
BIIC - Mahatma Gandhi University



Selected Candidates for Final Pitching

Sl. No	Name of the Project Leader	Title of the Proposal
1	Dr. Manasa. M	Development and quality evaluation of organic briquettes incorporating slaughter house waste and sewage sludge
2	Sreelakshmi S	FRUITSCUIT - Truly Natural
3	Anitha Jacob	Low Cost Building Blocks From Waste Plastic And Demolished Construction Waste

4	Dr. Jaya T Varkey	Natural nanofiber based straw for drinking purposes
5	Aravind Jayarajan	Plastile: An Eco-sustainable product from waste plastics
6	Ravi S V	Treasure from the trash
7	Seiko Jose	Value addition for the residual pineapple leaves in kerala
8	Dr Ani S Das	LOA App
9	Riya Alex	Prototyping and commercialization of nanotechnology-based formulation for Vase-life enhancement of Cut Flowers - Synflora
10	Dr Joshy K S	Nanoencapsulation, Nano-guard for Fertilizers: A New Window for Safe and Sustainable Agriculture
11	Sowmya M R	Design and Development of an Automated Irrigation System based on Crop Water Requirement - AISCR
12	Dr Gipson Varghese	A Cup Can
13	Dr. Manoj Kumar K	Center for Marine Research and Consultancy

14	Anjaly H	Functional food for geriatrics
15	Raji P	SEVAFARM: A web portal for small scale farmers
16	Dr. Riju K Thomas	Small scale production of market-demanding leafy vegetables and ornamental plants using recirculating aquaponic system
17	Ajay Basil Varghese	UFarms
18	Jim George	Augmentative and Alternative Communication Device
19	Ritwik A	Contact based feedback system for children in autistic spectrum
20	Dr. Smitha M	The Speaking Glove For Now And Future
21	Ansu Tom	A Multi-Functional Gadget for Alleviating Drudgery and Retaining Personal Fitness
22	Nijo Antony	Academic Blockchain: A Solution to ‘Academia – Industry’ Interconnect
23	Dr. Baiju K.R.	Advanced Geoinformatics enabled Solutions through Machine Learning (ML) and Artificial Intelligence (AI) for Facility and Infrastructure Management Information System (FIMS) and Natural Resources and Environment Management (NREM)
24	Dr. Ajees A P	AI based asset tracking solution

25	Ajees A P	Automated Home Security
26	Dr. Pankaj Sagar	Capacitance-based Cryogenic liquid level sensor
27	Keerthana Ranjith	Design & analysis of 3d printed petg polymer mesh infill & pervious edges on pavement block with illumination properties.
28	Deepa S Dev	Detection of Food-borne Pathogens by using Surface Enhanced Raman Spectroscopy(SERS) and Transfer Learning
29	Reshmi R	Development of Thermocouple based micro heaters/ coolers.
30	Dr Uma Krishnakumar	FAME from microalgae using surface modified CNCs as catalyst
31	Dr Aparna Thankappan	Flexible Ecofriendly Xray Detector
32	Dr. Lakshmipriya Ravindran	Utilization of corn starch for a spectrum of applications
33	Dr. Riju K Thomas	Headlight Beam Rectifier System
34	Nishma M	Development of a plant genomic DNA isolation kit (for zingiberaceae and related members)
35	Swetha P R	Formulation of Periconia sp. Inoculants as biofertilizer using Talc as Carrier.
36	Sanooja M. S.	Green Extraction And Nanoencapsulation Of Natural Pigments From Food And Industrial Wastes

37	Paul V Mathew	Happiness Meter App
38	Dr. Anil Kumar H S	Lignin-Based Carbon Quantum Dots For Fluoride Detection A Reliable Method
39	Dr. Megha P U	PHAMEGA- A Complete Biological Disinfectant for your Well Water!!
40	Dr. Thanseem Ismail	Rapid PCR-based test kit for screening multidrug resistance
41	Manjusha Premnath	ReGDB : Database for AMR genes across India
42	Dr.Pradeep Samuel	UV Coping
43	Dr.Binoy T Thomas	Bioxygenator
44	Dr. Hemand Aravind	Development & Commercialization of a Simple Toothpaste Formulation Based on Khadiradi Gulika a Classical Ayurveda Formulation
45	Dr S Antony Ceasar	Millet foods for good health and lifestyle-disease control
46	Dr. Vinaya K K	Natural yogurt based probiotics to mitigate malnutrition and autism spectrum disorder
47	Dr Indu C Nair	Scale up of fermentative production of PHA
48	Dr. Hemand Aravind	Development of safe and economic Biomass Briquettes with organic waste of Herbal Medicine Industry

49	Anil K Mathew	Hydrogenotropic methanation of Carbon dioxide to Methane using methanogenic archaea
50	Muneer V.K	AI Based Personalised Travel Recommendation Model In Malayalam Language
51	Sumi Kv	AR powered Smart Book Publishing
52	Sruthi A	CAD Based Fabric Designing Using Botanical Motifs
53	Abi Varghese	DE THACH : Midrib Separating Machine
54	Dr. Biju Cv	Design and development of semi automatic stray dog trapping and vaccinating system
55	Dr Sindhu R Babu	Developing Online Travel Agency using O2O Business Model
56	Dr.Ameer Hassan	Mind Learning App
57	Dr. N. M. Krishnakumar	Mushroom Herbal Tea for Improved Immunity and General Well-being
58	Anjana Joseph	Probiotic formulation for enhancement of silk productivity in sericulture
59	Dr Mini Mathew	Soilless media/soil amendment for sustainable agriculture from agro and vegetable waste
60	Dr. Chitra Lekha C S	Bio Filler Interfaced PVDF Based Multifunctional Nanogenerator device for self-powered wireless Sensors

61	Dr K.I.Suresh	Development of Kg scale process for polyurethane polyols form cardanol.
62	Dr. Manuja M	Facile fabrication of cost effective, energy efficient, Lithium free button cells with environmentally benign orthorhombic $WO_3 \cdot 0.33H_2O$ by customized tape casting techniques.
63	Sreejith S	Nanocosmetics – green synthesized personal care products with advanced nanotechnology using chitosan and curcumin.
64	Sreeya Kudilil	Development of fertilizer sticks for potted plants
65	Bosely Anne Bose	Activated carbon based composite for membrane free water remediation
66	Mridula Sreedharan	A multifunctional hybrid wound dressing for chronic and traumatic wounds
67	Dr.Nidhin V	An App Based Solution For Identifying And Managing Clinical Depression In Campus
68	Pooja Das Manjulabhai	CanDChip - LOC for anti cancer drugs detection
69	Nebu George Thomas	Coating of Electrospun Polycaprolactone GTR Membrane with Porcine Cholecystic Extracellular Matrix Hydrogel for Periodontal Regeneration
70	Poornima Vijayan P	Hybrid Nanocomposite E-Skin Patches
71	Anjana Joseph	Lozenges and chewing gum supplemented with fluoride and xylitol application in reduction of tooth caries

72	Rubie M. Sam	Carrageenan-Curcumin biocomposites for wound healing applications
73	Gayathri Sundar	Cost-effective and biocompatible burn wound dressings by 'BIOCURE-AGR'
74	Neelima S	Development of nanocellulose-based biodegradable hydrogel patches for rapid diabetic wound healing
75	Sreekanth K	Multifunctional and stimuli responsive paramagnetic iron oxide nanoparticle based delivery systems as nano-antibiotics
76	Dr. Poornima Vijayan P	Nanocoated face mask for the ultrafiltration of respiratory pathogens
77	Shiney George	Nutraceutical product from Garcinia gummi-gutta seed oil
78	Deepa G Muricken	Smart Heal- Wound Dressing Material
79	Vidya L	Synthesis and Crystallographic Studies of Enones and Nitrogen Heterocyclic Compounds and its Optical Applications