



KALASALINGAM

ACADEMY OF RESEARCH AND EDUCATION

(DEEMED TO BE UNIVERSITY)



Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A" Grade
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Office of Research and Development

Total No. of Completed IEDC Projects : 34
Total Amount : Rs. 1,15,00,000

List of IEDC Projects – Completed

Sl. No:	Title of the Project	Principal Investigator(s)	Funding Agency	Amount Sanctioned in Rs.
1.	Smart Evaluation in Agricultural Process	Faculty: B.Perumal Students : M.Rajnivash, M.Sivaram, M.Rajasekaran, M.Vinoth Department : Electronics and Communication Engineering	DST- IEDC	100000
2.	Low Cost Photomotography for Thyroid Dysfunction	Faculty: Dr.M.Pallikonda Rajasekaran, Dr.P.Sivakumar Students : S.Santhoshkumar, R.Rajasudharsan Department : Electronics and Communication Engineering	DST- IEDC	100000
3.	Semi Automated Air Filter Cleaning Device	Faculty: Dr.M.Udhayakumar Students : P.Karthikeyen, R.Manikandan ,S.Manojprabhakar Department : Mechanical Engineering	DST- IEDC	100000
4.	Recharging Electronics Cars With Nozzle and Horizontal Wing Turbine	Faculty: Mr.M.Sivasubramaniyan Students : K.P Alagu Rajeswarn , P.Annada Kumar , N.Annesh Sivaram and A.Rajakobal Department : Mechanical Engineering	DST- IEDC	100000

5.	Manually Operated Single Cylinder Triple Acting Pump	Faculty: Mr.M.Sivasubramaniyan Students : R.Karthisamy, N.Pradeep Kumar Department : Mechanical Engg.	DST- IEDC	100000
6.	Point of Sale (An App For Small Business)	Students: Prateek Gaurav B.Tech/CSE Divyanshu Vishal B.Tech/CSE S.Diselva B.Tech/CSE Guide : Dr. P. Deepalakshmi/CSE	DST- IEDC	100000
7.	Design of Economically Feasible Fluoride Removal Unit	Students: G.Selva Ganesan B.Tech Civil V.Suraya Prakash B.Tech Civil Guides: Dr. C.Sivapragasam /Civil Engineering Dr.T.Theivasanthi /Physics Mrs. S.Vanitha /Civil Engineering	DST- IEDC	100000
8.	Efficacy of Bio control Agents viz. <i>Pseudomonas sp</i> and <i>Trichoderma sp.</i> and control of onion diseases	Students: Selva vinothika B.Tech Biotech Ramya B.Tech Biotech Gopinath B.Tech Biotech Guide: Dr.N.Hariram, Food Technology	DST- IEDC	100000
9.	Implementation of Highly Automated UAV With GPS for Product Delivery	Students: P. Saravana kumar B.Tech ECE A.Jacinth Emril B.Tech ECE S.Karthika B.Tech ECE Guides: Dr.M.Pallikonda Rajasekaran, HOD/ECE Mrs. K. S.Dhanalakshmi/ Electronics and Communication Engineering	DST- IEDC	100000
10.	Indexing in Milling: A Geneva Mechanism Approach	Students: M.Akash B.Tech Manufacturing K.Manivannan B.Tech Manufacturing Guide: Dr.M.Uthayakumar/Automobile Engineering	DST- IEDC	100000
11.	Coin Based Mobile Charger	Mentor: Dr.B.Perumal/ECE Students: G.K.Sudharsan	DST- IEDC	100000

12.	Smart Water Supply Management System	Mentor: Mr.Krishna Paramathma/EEE Students: E.Ramkumar, K.Sekhar	DST- IEDC	100000
13.	Fabrication Of Multipurpose Bolt & Nut Remover And Joiner	Mentor: Mr.T.Raj Pradeesh/MECH Students: P.Manojkumar, P.Prakash V.Sarathkumar K.Vijayakumar	DST- IEDC	100000
14.	Beneficial Enzyme For Bio Processing Agro Industrial Waste	Mentor: Dr.N.Hariram/Bio Tech Students: G.Sandhanakrishan S.J.Sanmugapriya	DST- IEDC	100000
15.	Noise Reduction in Muffler of the exhaust System	Mentor: Dr.M.Udhyakumar Students: P.Nithish, G.Viknesh B.Adhijeganadhaperumal	DST- IEDC	100000
16.	Noise Reduction in Muffler	Adhijaganatha Perumal. B Nithish P B. Vignesh	DST Star-Up NIDHI	1000000
17.	Production of Biofungicide with Earthworm	Antara Roy B. Taj Sabreen Kota Durga Pravalliu	DST Star-Up NIDHI	1000000
18.	Beneficial Enzyme for Bio processing Agro Industrial Waste	G. Santhana Krishnan N. Hariram Ihrana Banu. I Miguela Min. N	DST Star-Up NIDHI	1000000
19.	Smart Cart for Super Market	Pemmasani Manoj Kumar V. Ramachandran Vengal Rahul	DST Star-Up NIDHI	1000000
20.	Efficacy of Bio control Agents viz. Pseudomonas sp and Trichoderma sp, and control of onion diseases	Priyanka V. Vasudevan R Radha Lakshmi C B. Rakshana	DST Star-Up NIDHI	1000000

21.	Design and Development of Low Cost Photo motograph for Identification of Thyroid Dysfunction	Raja Sudharsan R D.S. Augustine Samel	DST Star-Up NIDHI	1000000
22.	Low Cost High Performance Inverter	Saurabh Kumar Sharma N. Vimal Shankar R. Porkodi	DST Star-Up NIDHI	1000000
23.	Design and implementation of low cost veterinary physiological monitor	Mentor: Mr.Sakthivel Mr.J.Deny Students: Abinaya.S AmlRaj.M Sujitha.L	DST	100000
24.	Fabrication Of Fixture To Perform Turning In Abrasive Water Jet Machine	Mentor: Dr.M.Udhyakumar Students: Mohan Kumar S Gowthamkumar V Manikandan S	DST	100000
25.	Polyethylene glycol coated prosthetic heart valve – A novel coating materials	Mentor: Dr. S. Rajesh Students: M.Greeshma Sen Shethra S.Pradeepa C.Maduraiveeran	DST	100000
26.	Biodegradable Packaging Film From Food Waste	Mentor: Ms.K. Chitradevi Students: C. Monisha V.S.S.Soumya V. Manosha	DST	100000
27.	Smart Hat For Visually Challenged Person	Mentor: Mr.P.Manikandan Mr.G.Ramesh Student: Baskar.V	DST	100000

28.	ECO friendly Manufacturing of Tiles from used PET Bottles (Pet Floor Tiles)	Dr.I.Siva VB. Saravanan G. Ramkumar	DST Start-Up NIDHI	1000000
29.	Low cost Smart Cleaner for Solar Panels	Mr. K.Vijayakumar G.P.Santhosh Ram M.Abubakkar Siddhik	DST Start-Up NIDHI	1000000
30.	Development Of Juice To Prevent Gastro-Intestinal Tract Cancer Using Banana Stems	Dr. K. Palanichelvam Mulla Sariyanaz N.S. Supraja Sahana Parveen	DST- IEDC	100000
31.	Bio Polymer And Graphene Nano Sheet Based Food Packing Material Which Can Be Efficiently Used For Carbonated Beverage Packaging	Mr. S. I. Jeyanth Allwin Ritujaree Anet B George Sreelakshmi	DST- IEDC	100000
32.	Development of Electronic Lockers with Multiple keys using Visual Cryptography Scheme	Dr. K.Suthendran Sai anand.M Harish R	DST- IEDC	100000
33.	Attachable Wheelchair Automator	Mr. G. Balamurugan A.Deepak Praveen K. Vijay R. Gurumoorthy	DST- IEDC	100000
34.	Smart Tube light	Dr.J.Deny Mr.V.Ramachandran R.Vengat Rahul	DST- IEDC	100000
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