

**TECHNOLOGY BUSINESS INCUBATOR @ KONGU ENGINEERING COLLEGE**  
PERUNDURAI- 638 060, ERODE

**NIDHI – PRAYAS**

(National Initiative for Developing and Harnessing Innovation - PRomotion and Acceleration of Young and ASpiring innovators and start-ups)

**Objectives**

To help young and aspiring innovators and to provide support/funding from **idea to prototype**.

**Funding Limit & Mode**

Upto **Rs.10 lakh** per project/idea as **grant** for ideas into prototype in a **duration of 18 months**

**Eligibility**

- A. **Individual innovator**: Indian Citizen at least 18 years of age on 1st of August, 2016.
- B. **Team of individual innovator**: There has to be an **agreement among the team** about the **lead applicant** and the **lead applicant have to apply**. The **financial support** (after the selection process) will be **given to the lead applicant on behalf of the team**.
- C. **Existing incubatee** of a PRAYAS centre:-
  - i. The company is **less than 2 years** and wants to **develop the prototype for a new product**, for which they may have **not received similar kind of support**.
  - ii. Company **should have no significant revenue** at the **time of application**.

**Areas of Support**

The **priority areas** for supporting innovations under NIDHI PRAYAS program are **manufacturing, agriculture, healthcare, clean-tech, energy, water and Internet of Things (IOT) and other technology areas**.

**Beneficiaries**

S.No	Name of the Innovators	Title of the Project	Amount Sanctioned	Status
1.	Ms.Nimisha Sharma	<b>Aluminium-Air Battery</b> - An affordable, Aluminium-Air battery system (a novel non-aqueous electrolyte and air-electrodes with bifunctional oxygen-electrocatalysts aided by pressurization).	Rs.9.00 lakh	In Progress
2.	Mr.Swapnil Ajit Bukshete	<b>Hand Rehabilitation Device for Burn Patient</b> - A cost effective electronically operated device that provides active and passive hand rehabilitation therapy to burn injury.	Rs.9.00 lakh	In Progress

3.	Shubham Sharma (Beliveinn Tech Pvt Ltd)	<b>Solar and Wind Energy Generator &amp; Air Purification System (SWEAP)</b> - A unique hybrid device for renewable energy generation with air purifier to use in domestic, commercial and rural areas.	Rs.8.00 lakh	In Progress
4.	Dr.Augustine R	<b>Moringa Oleifera and Citrus Aurantifolia extracts as Natural Food Preservatives &amp; Nutrient Supplements</b> - The focus is on crude extract of Moringa leaf in combination with Citrus Aurantifolia (Lemon) extract at different concentration on antibacterial activity in certain foods (Dhal, Gravy, Batter). This combined crude extracts of Moringa and lemon will be optimized to serve as an alternate food preservative in foods and also to act as a good source of nutrient supplements.	Rs.8.50 lakh	In Progress
5.	Mr.Shanmuga Vadivel S (IcOnT Automations)	<b>Portable Milk Dispenser</b> - A device that solves by integrating different systems into a portable milk dispenser which can be retrofitted in any existing milk can. It can deliver required quantity and send SMS to the vendor / customers about their sales or purchase.	Rs.3.50 lakh	In Progress
6.	Mr.Radhakrishnan P J (Rekindle Automations Pvt Ltd)	<b>A Smart Intravenous Dripper System</b> - Device to Centralized Monitoring and Automatic Stopping of Intravenous Fluid	Rs.9.00 lakh	In Progress
7.	Mr.J.K Ajesh (Tecyon Innovations Pvt Ltd)	<b>SOLO mPowerDrive (A Power-Assist Device for Manual Wheelchair)</b> - Wheelchair power assist device to convert any normal wheelchair into power wheelchair which can eventually help the user to travel independently without any assistance.	Rs.7.70 lakh	In Progress
8.	Mr.Abhay Swamy (S&S Metal 3D Printing Technologies Pvt Ltd)	<b>Rapid Adaptive Manufacturing (RAM)</b> - Metal 3D Printing with a hybrid approach. Incorporating Additive, Subtractive and 3D Scanning into one system to accommodate Mass Customization with Mass Production.	Rs.9.50 lakh	In Progress
9.	Duvvuru Varshitha (Vivalyf Innovations Pvt Ltd)	<b>GlucoViVa – Non Invasive Glucometer</b> - A wearable non-invasive device which can determine the glucose levels in blood quickly and accurately without pricking or invading.	Rs.7.50 lakh	In Progress

10.	Mr.Smit Rambhiya (Oxyheal Pvt Ltd)	<b>OxyHeal</b> – Localized Hyperbaric Oxygen Therapy for Chronic Wounds - Pressure and flow controller for oxygen which is extremely compact and tackles the issues with the current technologies like pressure hysteresis and droop due to change in inlet pressure as the oxygen in the cylinder depletes.	Rs.9.30 lakh	In Progress
11.	Mr.M.S.Vijayakomagan (Kardle Industries Pvt Ltd)	<b>BIOTORR – The Next Generation Bioreactor</b> - Bioreactor system with advanced Sophisticated features such as Auto calibration, Inbuilt sterilization, Live Monitoring, Optical Density measuring, Culture growth control and Cloud integration.	Rs.9.00 lakh	In Progress
12.	Mr.K.P.Rajaganesh (KG Automation)	<b>Semi Automated Handling of Steering Knuckles for Hardness Testing</b> - Using image processing technique that provides accurate hardness value, inventory of hardness ledgers and consistency in the measuring process.	Rs.10.00 lakh	In Progress
13.	Mr.M.Arunkumar (MAK Scales)	<b>Design and development of multi-functional geometric tools</b> - A multi-model and multifunctional ruler and protractor tool with the ability to form and scale a near infinite number of geometric shapes.	Rs.4.00 lakh	Completed
14.	Mr.M.Kavin Kishore	<b>Lapwing (Wild Animal Monitoring and Warning System)</b> - The wild animal (elephant) activity and intrusion at the fringes of the forest is to be tracked and provide warning alerts to the responsible forest authority and neighboring locals.	Rs.7.00 lakh	Completed
15.	Ms.Pavithra Naveen (NGV Natural Industry Pvt Ltd)	<b>Machinery for preparing ‘Ready to cook Banana Stem’</b> - Complete machinery for ‘Ready to Cook’ Banana stem. By feeding banana stem core and get ready to cook sliced, diced and fiber removed banana stem.	Rs.5.30 lakh	Completed
16.	Mr.V.Manikandan (Iotism Technologies Pvt Ltd)	<b>REFIL</b> - Grocery order automation using smart containers.	Rs.10.00 lakh	Completed
17.	Mr.R.Karthick (Taark Equipments Pvt Ltd)	<b>Harvester and Land Preparator (Agrovester)</b> - A tractor operated root crop harvester and land preparatory machine.	Rs.8.50 lakh	Completed

18.	Mr.D.Kaushik (Aran Tecnovation Pvt Ltd)	<b>iKey</b> - Bluetooth, Wifi & GSM enabled Biometric pad lock with Mobile application for control from remote location.	Rs.9.70 lakh	Completed
19.	Mr.T.Abuthahir (Lepocube Assistech OPC Ltd)	<b>i-ADVI</b> - An intelligent navigation glass for visually challenged people.	Rs.5.23 lakh	Completed
20.	Mr. N.Sunil Vignesh (Lspot Preventech)	<b>L-SPoT</b> - A wearable IoT device with app used to alert and track the improper sitting position of the person.	Rs.9.40 lakh	Completed
21.	Mr.A.P.Sasikumar (Agnicart)	<b>Multipurpose Bullock Drawn Cultivator</b> - Designing a bullock drawn cultivator for plowing, bed making, weeding and disc plow which can be affordable for small and medium farmers.	Rs.6.00 lakh	Completed
22.	Mr.N.Santhosh (Dheeran Technologies and Research Center)	<b>Tender Coconut Vending Machine</b> - Automated Tender Coconut Vending Machine with integrated IoT for remote & real time monitoring and Cash & Cashless - Digital Payments facilities.	Rs.5.60 lakh	Completed
23.	Mr.A.G.Padmanaban (Afford Social Tech Pvt Ltd)	<b>Low cost Solar Outdoor Pollution &amp; Environmental monitoring system</b> - Continuous real-time monitoring of indoor and outdoor air pollution using low-cost sensors.	Rs.10.00 lakh	Completed
24.	Mr.Shriram Thirumalai (High Performance Engineering and Research Pvt Ltd)	<b>UNO an automotive smart device for fuel efficiency</b> - Hyper UNO is an add-on smart device which tries to help drivers adjust their driving style to maximize fuel efficiency, through real-time auditory instructions, customize their vehicle and its engine performance to suit their needs, Constantly monitor the human-in-loop vehicle-driver system to allow optimization of the engine to deliver better drive-ability & fuel economy.	Rs.9.72 lakh	Completed
25.	Ms. M. Deepa	<b>WaterMag - Hybrid Atmospheric Water Generator</b> aims at harnessing potable water from atmospheric air using efficient desiccant absorption and heat separation methods using renewable resource	Rs.9.80 lakh	Completed

26.	Mr.M.Puviyarasan (Dynatral Tech Pvt Ltd)	<b>Industry 4.0: Live and Remote Monitoring (Shop Floor)</b> - Live and Remote Monitoring IIoT Device for reporting of real-time shop floor data using mobile, modular and highly compatible IOT hardware system suitable for production environment	Rs.9.75 lakh	Completed
27.	Ms.D.Kalaiselvi	<b>SMART Battery Water Refill Alarm</b> IoT based smart battery water refill alarm device to help end users - Home, Office, Colleges, Industries and UPS/Battery distributes with AMC. Using the IoT device the data's may be viewed / monitored in mobile app, web app in a dashboard for effective maintenance of	Rs.9.60 lakh	Completed
28.	Mr. M. Pradeep (Scorpion)	<b>Developing Semi-Automatic Airless Paint Sprayer</b> - is to be designed to eliminate shortage of painters, increase quality of painting the building at any atmospheric conditions with high surface coverage. It helps to achieve low cost painting using various materials. Single phase valve less pump is to be used for constant spray with high power. A Sensor is also used to control the flow of the fluid which also makes the machine more efficient. Various types of application like putty plastering, wall painting, roof coating, white-wash, grouting and filling are feasible. Maintenance is much easier and the cost of the machine will be low when compared to the imported machine.	Rs.9.50 lakh	Completed
29.	Mr.Suraj Mohan	<b>Wearable Diagnostic Tool</b> is a wearable device to help medical practitioners simultaneously measure various physical health parameters with the ability to store and transfer health data.	Rs.5.55 lakh	Completed
30.	Mr.C.Karthikeyan (Magnic Technologies Pvt Ltd)	<b>Ferrous Particle Impurity Detection Machines for Gold Jewelry</b> which helps Jewel Manufacturing Companies to automate their testing of jewelry with 80% Less Man-power and better Accuracy to achieve 100% Quality.	Rs.9.85 lakh	Completed
<b>Total</b>			<b>2.50 Crore</b>	