

**A Report on Entrepreneurship Development Cell & MSME  
Vignana Jyothi Technology Business Incubator (MSME VJTBI)  
Activities for the Month of **December, 2022.****

**I) ED Cell Activities:**

NBA expert member visited ED Cell, VNRVJIET on 17/12/2022 as a part of Accreditation to the Civil Engineering Department.

**II) MSME & VJTBI Activities:**

- 1) A Selection / Evaluation Committee with 5 members was constituted as per the scheme guidelines and a Meeting of MSME, New Delhi Sponsored Vignana Jyothi Technology Business Incubator (VJTBI) was held to shortlist the Business Ideas received for MSME– Idea Hackathon 2.0 under the scheme of “MSME Innovative” to forward to the Development Commissioner -MSME, New Delhi on 12-12-2022 at 3 PM in Board Room, VNR VJIET, Hyderabad.

**List of Selection / Evaluation Committee**

| <b>S.No.</b> | <b>Expert Category<br/>(Entrepreneur, Academician, Sector Expert, Tech. Expert....)</b> | <b>Name, Designation &amp; Organization</b>  |
|--------------|---|--|
| 1            | Principal or Head of Host Institute (Ex-officio Chairperson)                            | <b>Dr.C.D.Naidu</b> , Principal, VNRVJIET,Hyderabad-500 090  |
| 2            | Host Institute – BI (In-Charge)<br>(Convener / Member Secretary)                        | (Executive Head of the Business Incubator)<br><b>Dr. S.V.S.S.Srinivasa Raju</b> , Professor of Mechanical Engineering, Manager,MSME Business Incubator, VNRVJIET |
| 3            | Technical / Sector Expert   | <b>Kakani Srinivas</b> , Former General Manager Operations, ECOREN Energy India (Pvt) Ltd., Hyderabad  |
| 4            | Technical / Sector Expert   | <b>Dr.KolliRamujee</b> , Professor of Civil Engineering, Dean & Controller of Examinations, VNRVJIET, Hyderabad.   |
| 5            | Technical / Sector Expert   | <b>Dr. Shaik Amjad</b> , Professor of Automobile Engineering, VNRVJIET, Hyderabad  |
| 6            | Technical / Sector Expert   | <b>Dr. A. Subhananda Rao</b> , Former Director General (AERO), DRDO.   |
| 7            | Technical / Sector Expert   | <b>Dr. A.S. Rao</b> , Former Adviser, Department of Scientific and Industrial Research (DSIR), Govt. of India and President, Indian Innovators Association.      |
| 8            | Entrepreneur  | <b>Sri.Y.SaiBabu</b> ,Managing Director,Rachana Machines (Pvt) Ltd., Pragathi Nagar, Hyderabad   |
| 9            | Financial Expert  | <b>Dr. Ch.S. Durga Prasad</b><br>Director, VJIM, Hyderabad   |

After evaluation of 21 Business Ideas, 17 ideas have been shortlisted by the Selection / Evaluation Committee as furnished in the following table:

| S.No. | Reference No.  | Title of Idea   | Final Decision (Recommended/ Not Recommended) | Proper Justification for Final Decision   |
|-------|----------------|---|---|---|
| 1     | INC22BTS014278 | Agriconnect. <b>(Digital Agriculture)</b>   | Not Recommended                               | No evidence for Proof of Concept. Idea collected from other sources.  |
| 2     | INC22BTS018128 | Impact of fast fashion and clothing materials which are not eco-friendly on the Environment. <b>(Sustainable Fashion)</b>   | Recommended                                   | Useful to the society, providing convenience to the living standard.  |
| 3     | INC22BTS017035 | Indigenous PTFE Membrane Filter Making for EV Battery Vent Cap. <b>(E-Vehicles)</b>   | Recommended                                   | Clean and green energy & Innovative value.  |
| 4     | INC22BTS018772 | Anti-clogging Drain System, Drainage Block Detection and Grid Monitoring using GIS, IOT and Machine Learning. <b>(Disaster Management)</b>  | Recommended                                   | Useful to the society, providing convenience to the living standard and Innovative value.                     |
| 5     | INC22BTS018859 | Smart Device to generate alerts in panic situations or emergencies. <b>(Cloud Computing)</b>  | Recommended                                   | Useful to the society, having commercial value and improves the quality of life.                              |
| 6     | INC22BTS013950 | Fabrication of Sheets Using Agricultural and Plastic Waste and its Characterization for Potential Replacement of Gypsum Plaster Board. <b>(Waste to Wealth creation, Circular solutions &amp; waste management)</b> | Not Recommended                               | Ideas that already exists in commercial market.   |
| 7     | INC22BTS018656 | E-waste recycling, a systematic, professional approach. <b>(Waste to Wealth creation, Circular solutions &amp; waste management)</b>  | Not Recommended                               | Ideas that already exists in commercial market.   |
| 8     | INC22BTS018799 | Digital Granular fertiliser spreader. <b>(Digital Agriculture)</b>  | Recommended                                   | Useful to the society having commercial value and improves the quality of life.                               |
| 9     | INC22BTS010621 | Autonomous Kiosk system for remote patient health diagnosis and instantaneous tablets/ pills disbursement. <b>(Low-cost Indigenous Digital Healthcare System)</b>   | Recommended                                   | Reduces the cost of living and innovative value.  |
| 10    | INC22BTS011383 | Development of contact-free nanostructure for solar powered desalination system. <b>(Portable Water Solutions)</b>  | Recommended                                   | Novel and innovative valve, useful to society, improves the quality of life, Clean & green energy initiative. |
| 11    | INC22BTS017440 | Smart Plug with Energy Consumption Statistics and Prediction Using Neural Networks. <b>(Supply Chain Management Solutions)</b>  | Recommended                                   | Clean & green energy initiative.  |
| 12    | INC22BTS017892 | Pre-Booking System at stationaries. <b>(Supply Chain Management Solutions)</b>  | Recommended                                   | Useful to the society and improves the quality of life.   |
| 13    | INC22BTS011506 | Design and Development of IoT-based RO water purifier with auto TDS control. <b>(Portable Water Solutions)</b>  | Recommended                                   | Useful to the society, providing convenience to the living standards and innovative value.                    |
| 14    | INC22BTN017955 | CROP HEALTH MONITORING USING IOT SENSORS MACHINE LEARNING TECHNIQUES. <b>(Digital Agriculture)</b>  | Recommended                                   | No evidence for Proof of Concept.   |
| 15    | INC22BTS011833 | Nano Composite Roof Sheets. <b>(Alternative Material for Single</b>   | Recommended                                   | Improves the quality of life and provides convenience to  |

|    |                |   |                 |   |
|----|----------------|---|-----------------|---|
|    |                | <b>Use Plastic (SUP)</b>  |                 | the living standards.   |
| 16 | INC22BTS015780 | HYDROPONIC FARMING. <b>(Digital Agriculture)</b>  | Recommended     | Novel and useful to the Society.  |
| 17 | INC22BTS012434 | Launching Integrated system for the Beekeeping in INDIA Using IoT with AIML Technology. <b>(Digital Agriculture)</b>                            | Recommended     | Novel, Innovative and useful to the society.  |
| 18 | INC22BTS017023 | NETWORK OVER LORA. <b>(Disaster Management)</b>   | Recommended     | Innovative idea   |
| 19 | INC22BTS018451 | IoT and machine learning-based precise germination prediction to access the quality of grains for different crops. <b>(Digital Agriculture)</b> | Recommended     | Novel and Innovative idea.  |
| 20 | INC22BTS017083 | PAKKA ORGANIC. <b>(Eco-friendly &amp; Sustainable Furniture)</b>  | Not Recommended | Already existing and no evidence for proof of concept.                                      |
| 21 | INC22BTS009901 | Hydrogen Fuel Cell Powered Hybrid Electric Motorbike. <b>(E-Vehicles)</b>   | Recommended     | Improve quality of life, useful to the society and provide convenience to living standards. |

2) 13 Ideas uploaded into MSME portal for final selection by VNRVJIE MSME Business Incubator, as per the scheme guidelines between 15-12-2022 to 21-12-2022 at our Institution under the guidance of Dr. S.V.S.S.Srinivasa Raju, Manager, MSME Business Incubator and Dr.M.Venkata Ramana, Coordinator, ED Cell, VNRVJIE.

#### **MSME Idea Hackathon-2(2022) Final Submission as on 21-12-2022**

| <b>S.No.</b> | <b>Reference Number</b> | <b>Incubatee Name</b>       | <b>Title of the Proposed Innovation (Idea Theme)</b>  |
|--------------|-------------------------|-----------------------------|---|
| 1            | INC22BTS011506          | Sonkoju Nagarjuna Chary     | Design and Development of IoT-based RO water purifier with auto TDS control. (Portable Water Solutions)   |
| 2            | INC22BTS009901          | Anumolu Gopichand           | Hydrogen Fuel Cell Powered Hybrid Electric Motorbike. (E-Vehicles)  |
| 3            | INC22BTS018451          | Donapati Ramesh Reddy       | IoT and machine learning-based precise germination prediction to access the quality of grains for different crops. (Digital Agriculture)                  |
| 4            | INC22BTS010621          | Pranavanand Satyamurthy     | Autonomous Kiosk system for remote patient health diagnosis and instantaneous tablets/pills disbursement. (Low-cost Indigenous Digital Healthcare System) |
| 5            | INC22BTS015780          | Ponnapati Vivekananda Reddy | Hydroponic Farming. (Digital Agriculture)   |
| 6            | INC22BTS011833          | T Malyadri                  | Nano Composite Roof Sheets. (Alternative Material for Single Use Plastic (SUP))   |
| 7            | INC22BTS018799          | Kiran Kumar Namala          | Digital Granular fertilizer spreader. (Digital Agriculture)   |
| 8            | INC22BTS011383          | Ajay Kumar Kaviti           | Development of contact-free nanostructure for solar powered desalination system. (Portable Water Solutions)   |
| 9            | INC22BTS018859          | Vemula Manish               | Smart Device to generate alerts in panic situations or emergencies. (Cloud Computing)   |

| <b>S.No.</b> | <b>Reference Number</b> | <b>Incubatee Name</b>        | <b>Title of the Proposed Innovation (Idea Theme)</b>  |
|--------------|-------------------------|------------------------------|---|
| <b>10</b>    | INC22BTS012434          | Shuchi Tiwari                | Launching Integrated system for the Beekeeping in INDIA Using IoT with AIML Technology. (Digital Agriculture)                       |
| <b>11</b>    | INC22BTS018772          | Kuncham Prashanth            | Anti-clogging Drain System, Drainage Block Detection and Grid Monitoring using GIS, IOT and Machine Learning. (Disaster Management) |
| <b>12</b>    | INC22BTS017892          | Md Nawaz                     | Pre-Booking System at stationaries. (Supply Chain Management Solutions)   |
| <b>13</b>    | INC22BTS017035          | Venkata Giri Prasad Sripathi | Indigenous PTFE Membrane Filter Making for EV Battery Vent Cap. (E-Vehicles)  |

**(ED Cell & MSME VJTBI Coordinators)**

**Dr.S.V.S.S.Srinivasa Raju, Professor of Mechanical Engineering, Coordinator,  
ED Cell & Manager, MSME Business Incubator**

**Dr.M.Venkata Ramana, Professor of Automobile Engineering & Coordinator, ED  
Cell.**