

**Prototype Detail (Annexure-2)**

**DIC BHU**

1.	<i>"A Prototype Bioreactor for Kitchen Waste Disposal"</i>	<i>Prof. R.K. Asthana</i>
2.	<i>Designing &amp; Fabricating a novel Bilirubin interface removal device for clinical laboratories</i>	<i>Dr. Kamlesh Manohar Planadurkar</i>
3.	<i>Make/design rickshaw home for rickshaw driver</i>	<i>Mr. Ajay Kumar &amp; Dr. Manish Arora</i>
4.	<i>Redesigning Thela (Multifunctional Cart)</i>	<i>Mr. Brijendra Singh &amp; Dr. Manish Arora</i>
5.	<i>Utility and Display Based Product from waste material</i>	<i>Mr. Saurabh Singh</i>
6.	<i>Useful &amp; Innovative Toys form waste materials: An Entrepreneur Model</i>	<i>Mr. Mahesh Chaurasia &amp; Ajay Kumar</i>
7.	<i>Self Alining Solar Oven</i>	<i>Sven Steinbauer (Research Sacholar)</i>
8.	<i>Classroom Innovation</i>	<i>Shivani Pathak, Nandini Prasad, Km. Monu, Prashant Kumar, Sadaf naseem, Abhay Kr. Murari, Manish kr. Gautam</i>
9.	<i>Crafted in Varanasi</i>	<i>Mr. Sagar Das</i>
10.	<i>"Handpump Water Wastage Conservation"</i>	<i>Dr. Manish Arora &amp; Mr. Jay Prakash Singh</i>

**DIC IIT (BHU)**

1	<i>Reforming of greenhouse gases: CO<sub>2</sub> and CH<sub>4</sub> over nano-size Ni-based catalyst to syngas and reclamation of spent-catalyst</i>	<i>Prof. Ram Prasad and Prof. D. Mohan</i>
2	<i>Fabrication of a machine for 3D printing filament production and show casing of 3D printing technology:-</i>	<i>Prof. Santosh Kumar</i>
3	<i>Development of green corrosion inhibitors for control of Metallic corrosion</i>	<i>Prof. M.A. Quraishi and prof. Vandana Srivastava</i>
4	<i>Design and development of hot corrosion test facility to study hot corrosion behaviour of materials used in marine environment</i>	<i>Dr.GS Mahobia (PI) and Sri Dhananjay Pradhan</i>
5	<i>"Development of Low cost EMG controlled prosthetic Hand"</i>	<i>Alok Prakash &amp; Dr. Shiru Sharma, School of Biomedical, IIT (BHU)</i>

**SPOKE Prototype Detail-**

<i>MNNIT-Allahabad</i>	
<i>1</i>	<i>Voice Recognition and touch screen control based wheel chair for handicapped person:</i>
<i>2</i>	<i>Design of Ankle foot Assistive Healing Robotic Device</i>
<i>3</i>	<i>Development of Low Cost System for Real-Time ECG Data Acquisition and Wireless Remote Monitoring</i>
<i>4</i>	<i>Development of Portable Cataract Detection System</i>
<i>5</i>	<i>Human Health Risk Assessment based on total Concentration and Bio-availability of Contaminants in urban dust/soil</i>
<i>6</i>	<i>eHealth and Medical Record Digitalization</i>
<i>7</i>	<i>Gauging Stress, Anxiety and Depression levels in Students</i>
<i>8</i>	<i>Transport Hybrid Vehicle</i>
<i>IIT-Allahabad</i>	
<i>1</i>	<i>Underwater Obstacle Detector Vehicle</i>
<i>2</i>	<i>RC (Radio-Controlled) Aircraft for Disaster Management Applications</i>
<i>3</i>	<i>Smart Luggage Security System</i>
<i>4</i>	<i>Smart Garbage Monitoring System</i>