



Scheme: **“National Initiative for Design Innovation- NIDI”** . Title of Project: **“Design Innovation Centre- DIC”** . Funding agency: **“Ministry of Education”**  
 Project Structure: **HUB & SPOKE Model**. **IIT Guwahati (Hub) & NIT -Meghalaya, IIIT -Manipur Assam Agricultural University(AAU) –Jorhat (Spoke)**

<b>Department of Design</b>	Project Investigator (P.I) & HOD: <b>Dr. Udaya Kr. Dharmalingam</b>	Core-Committee Member: <b>Dr. Manoj Majhi, Dr. Sougata Karmakar and Dr. Pratul Ch. Kalita</b>
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**Theme:** Department Of Design (DoD) has set-up a Design Innovation Centre-DIC, which will create an eco-system of innovation by collaborating with different disciplines. These disciplines will include other departments at IIT Guwahati, other universities/ schools, industry and other governmental and Non-governmental organizations.

**Objective:** DIC will focus on the North-eastern region-NER of the country and the emphasis will be on sustainable development of the region through design-centered innovations in sectors like agriculture, health, sanitation, urbanization, tourism, education, etc. Special emphasis will be laid on incubating innovative ideas to commercialisable ventures through incubation support programs. It will identify grass-root innovations in the North-east and act as a catalyst and training Centre which helps to incubate these ideas into commercial and mainstream product solutions. The North- East region also hosts a typical culture and traditional approach to sustainable living. The Centre will identify and study them and create scalable models for sustainable living and development.

**Deliverables:** The innovations under DIC will deliver Social Innovation, Knowledge Innovation, Health & Well-Being Innovation, Habitat Innovation and Industrial & Manufacturing Innovation. Total no. of 38 Thematic Projects were identified from Hub & Spoke Institute out of which 18 projects were at the final stage and rest were continuing. 09 Nos of PhD (04 Female & 05 Male) scholars were directly funded from this projects & 23 Nos of project staff (08 Female & 14 Male) were worked under DIC out of which 01 staff is continuing.

**Achievements of PhD students under DIC, IITG** 1. **Shiv Kumar Verma** has been selected as Assistant Professorship, Department of Design, Tezpur University, Assam (2020). 2. **Anusmita Das** has been selected as Faculty at NID Bhopal (2019). 3. **Saurav K. Deori** has been selected as Assistant Professorship, Faculty of Art & Design, Vishwakarma University, Pune (2020). **Other Achievement 1.** –DIY Learning Kit// under Project Title :Self assistance learning robot for students as a DIY kit, got selected in 1st Round of Arunachal Pradesh Entrepreneurial Summit 2020.

**Output:** (A) No of PhD Completed: 04 Nos. (B) No of Research Publications: 08 Nos. (C) No of Innovative Product Developed: 20 Nos. (D) No of Patent, Design Registration and Copyright: 03 Nos. (E) Active Participation of more than 700 Nos of School Children (450:250) in (Male: Female) ratio at various event organised under DIC.



Design Intervention in Street Food Vending in Assam



Design Intervention to ameliorate exposure to vibration during use of hand-held vibrating tools in unorganized sector (Stone-polishing work)



Kanimuni- Game Design for education



Scale-appropriate Ginger & Turmeric Washer

**IPR (Patent, Design Registration and Copyright).**



Title of IPR: Suction Cup Light using Renewable Energy.  
 Name of Project PI: Avinash Shende, Associate Professor  
 Name of Institute: Indian Institute of Technology, Guwahati  
 Deliverable: Glass Window solar charging.



Front



Wall



Back