

NITT- Make in India Initiative 2021

To promote design as a value adding activity and integrate it into mainstream business/industrial processes of MSMEs, the office of the Development Commissioner (MSME), Government of India is planning to implement the up-scaled “Design Scheme” to Micro, Small and Medium Enterprises (MSME). With an objective to accelerate the above scheme, NITT is announcing the NITT- Make in India Initiative 2021. This initiative is to provide a platform to students of NITT to propose solutions for some of the persistent problems. For example, the products required for our day-to-day purpose are being imported. For instance, China achieved a total of \$2.499 trillion in 2019 through export, which translates to about \$1,800 for every resident in the East Asian economic powerhouse (Source: <http://www.worldstopexports.com/chinas-top-10-exports/>).

Objectives: The motive of this call is to provide students an opportunity to work on challenges faced by all the sectors and inculcate the culture of product innovation/product design/reengineering and value addition for existing products. This contest aims to involve MSMEs in manufacturing these innovative products at a larger scale and also at affordable price. Thus, the idea is to promote commercialization of developed products under MAKE IN INDIA scheme.

Expected Outcome:

- Provide innovative/value added solutions to problems in cost effective ways
- Collaborate with MSMEs in product development
- Promote start-ups / Entrepreneurs
- Provide a platform for skill development and job opportunity

Themes: The proposals should concentrate on innovative design of devices/small machines/ tools for healthcare & biomedical, agriculture & rural development, smart vehicles, food technology, robotics and drones, waste management, etc.

Proposal submission: The proposal should include the following aspects:

- a) Problem statement
- b) Objective/ Motivation
- c) Survey and analysis of the proposal
- d) Research gap in India with respect to the proposal
- e) Utility summary
- f) Design / Block diagram
- g) Flow of implementation – Modules & Timeline for each

Eligible Applicant: All NITT students are eligible to apply. Especially, third/ final year undergraduate students can extent it as their curriculum project.

Project selection: Each department may recommend two best projects for innovation awards and the same will be awarded on World IPR day - April 26th 2021. In addition, five Interdisciplinary projects will also be awarded.

How to apply: The research proposal in the prescribed format shall be submitted through email on or before 10th February 2021 to ipr@nitt.edu