

## INNOVATIVE AND FUTURISTIC PROTOTYPE CHALLENGE

---

Ma'am/Sir,

On behalf of **IIC-SMIT (Institution's Innovation Council, Sikkim Manipal Institute of Technology)**, we extend our warm invitation to your esteemed Institution in joining us to celebrate **25 Years of Sikkim Manipal University**.

To commemorate this milestone, we are organizing an “**International Innovative and Futuristic Product Prototype Challenge**”, for students to showcase their creative and innovative genius.

Since its inception, SMU has been committed to the advancement of knowledge and education of students in Science, Technology, Medicine, Management and associated areas. Today, Sikkim Manipal University has established itself as a leading University and a coveted destination for students and professionals across the country and the subcontinent.

The event, which is the first of its kind has on offer **prizes** worth ₹ **2,00,000/-**, as well as an exclusive **opportunities to (Pre) Incubate** at **IIC-SMIT** and/or **AIC-SMU Technology Business Incubation Foundation (AIC-SMUTBI)**. The AIC-SMUTBI is one of the 100 world class incubators of the Govt. of India, envisioned and fully supported by Atal Innovation Mission, NITI Aayog, GoI. The **Challenge** will be a **3-month long virtual event**, commencing on **11th October 2020**.

The link for team-wise **registration** is:

[http://bit.ly/IFPC\\_REGISTRATION](http://bit.ly/IFPC_REGISTRATION)

The last date for registration and submission of project proposals is **10<sup>th</sup> November 2020**, followed by the deadline for submission of product prototypes on **30<sup>th</sup> December 2020**. The Pitch Competition and Product Demo on **10<sup>th</sup> January 2021**.

For further details about the event, we encourage you to go through the **Event Guidelines** and **Rulebook**, along with relevant documents attached herewith.

**Stay Safe and Stay Healthy**

Warm Regards,

**Organizing Team  
(IIC-SMIT)**

## INNOVATIVE AND FUTURISTIC PROTOTYPE CHALLENGE

---

### Guidelines

To mark **25** years (Silver Jubilee) of Sikkim Manipal University, the **Institution's Innovation Council, SMIT (IIC-SMIT)** is organising the “**International Innovative and Futuristic Prototype Challenge**”. The event is a part of the University's support to the “**Make-in-India**” initiative contributing towards building an “**Atma Nirbhar Bharat**” (**Self-Reliant India**).

The thrust areas included in the Challenge are:

1. **Agriculture / Agri-Tech and Rural Development**
2. **Clean / Hybrid energy / Clean Tech**
3. **Drinking Water**
4. **Education / EdTech (e-Learning)**
5. **Pollution / Waste Management**
6. **Solutions for Smart Cities, Smart Homes and Smart Vehicles**
7. **Travel and Tourism (considering the current COVID '19 pandemic scenario)**

Date of Commencement for Registration: **12<sup>th</sup> October 2020**

### Timeline:

Sl. No.	Activity	Date	Status
1.	Announcement of the Challenge (Soft Launch)	11 <sup>th</sup> Oct. 2020	Done
2.	Registration to be open for participation	12 <sup>th</sup> Oct. 2020	Open
3.	Last Date for Registration and Submission of proposals	10 <sup>th</sup> Nov. 2020	Open
4.	Declaration of accepted proposals	15 <sup>th</sup> Nov. 2020	Upcoming
5.	Final Submission of the prototypes	30 <sup>th</sup> Dec. 2020	Upcoming
6.	Pitch Competition and Product Demo	10 <sup>th</sup> Jan. 2021	Upcoming
7.	Final Event (presentation by the Winners) / Prize Distribution	12 <sup>th</sup> Jan. 2021	Upcoming

### Guidelines for participation and registration:

- The participation is open for all students irrespective of grade/standard/class/year.
- The entries will be open for teams comprising of minimum one (**01**) and a maximum of five (**05**) members. The Teams can have '**ONE**' mentor (Academician/Industry Expert).
- Each team must have a '**Team Name**'.

- The registration has to be done online by following the link: [http://bit.ly/IFPC\\_REGISTRATION](http://bit.ly/IFPC_REGISTRATION)
- The last date for registration and submission of proposal is **10<sup>th</sup> November 2020**.
- There is **no registration fee**.
- No changes can be made to the team and proposal once registration is completed.
- Multiple entries from the same team/participants will be accepted as separate proposals.

#### Awards / Prizes:

Sl. No.	Prizes	Amount (INR)
1.	Prizes worth	₹ 2,00,000/-
<b>Additional Benefits</b>		
<ul style="list-style-type: none"> <li>❖ (Pre) Incubation Facility to the selected proposals and prototypes at AIC-SMUTBI / IIC-SMIT</li> <li>❖ Prototype Adoption for pilot implementation at SMU/SMIT if found suitable</li> <li>❖ Seed Funds</li> </ul>		

#### Guidelines for the conduction of the event:

The event will be spread over two months.

#### ❖ Last Date for Registration and Submission of proposals (**10<sup>th</sup> November 2020**)

- Each team will submit a workbook containing:
  - ✓ Title of the project.
  - ✓ Area of project (Select area from list above).
  - ✓ Utility of project.
  - ✓ Summary of method to be followed to implement the project.
  - ✓ Estimate of time to be taken.
  - ✓ Cost involved.
  - ✓ Business model
    - How to raise funds for the business model?
    - Strategies to market the product.

#### ❖ Declaration of accepted proposals (**15<sup>th</sup> November 2020**)

#### ❖ Final Submission of Prototypes (**30<sup>th</sup> December 2020**)

#### ❖ Pitch Competition and Product Demo (**10<sup>th</sup> January 2021**)

Only selected teams will pitch and demonstrate the product/prototype (through online mode)

#### ❖ Final Event (Presentation by the Winners) (**12<sup>th</sup> January 2021**)

**Judging Criteria:**

- Utility
- Uniqueness/Novelty
- Innovation
- Time to implement
- Cost
- Business prospects
- Presentation skills

**Note:**

- **Decision of the judging panel shall be final and binding.**
- **Link for submission of report and presentation will be communicated to the teams after successful registration.**

# **INNOVATIVE AND FUTURISTIC PROTOTYPE CHALLENGE**

---

## **Problem Areas**

- 1. Agriculture / Agri-Tech and Rural Development**
- 2. Clean / Hybrid energy / Clean Tech**
- 3. Drinking Water**
- 4. Education / EdTech (e-Learning)**
- 5. Pollution / Waste Management**
- 6. Solutions for Smart Cities, Smart Homes and Smart Vehicles**
- 7. Travel and Tourism (considering the current COVID '19 pandemic scenario)**

# INNOVATIVE AND FUTURISTIC PROTOTYPE CHALLENGE

## Rulebook

### Guidelines for Registration:

- The registration will be conducted through Google Forms  
(link: [http://bit.ly/IFPC\\_REGISTRATION](http://bit.ly/IFPC_REGISTRATION)).
- The Challenge will be conducted among teams of students.
- The maximum team size is **5**, and the minimum is **1**.
- The team can have '**ONE**' mentor (Academician/Industry Expert).
- A valid **Team Name** is must for the completion of registration.
- The teams will have to select one of the given themes.
- **Work must be genuine and original.**

### Guidelines for the Event:

- The Challenge will span across 3 months starting **11<sup>th</sup> October 2020**.
- Last Date for Registration and Submission of proposals – **10<sup>th</sup> November 2020**
  - The students will submit a workbook for their chosen theme, which will be detailed report highlighting do's and how's of their project.
  - The workbooks will be evaluated by the respective judges of each theme, and the selected teams will then proceed to next round of the Challenge.
- Final Submission of Prototypes – **30<sup>th</sup> December 2020**
- Pitch Competition and Product Demo – **10<sup>th</sup> January 2021**
  - The selected Teams will present their proposals/prototypes to the respective jury of each theme through an online platform.

### Points to be noted:

- ❖ Judging criteria will be decided by the organisers.
- ❖ Themes would have to be provided by the participants in the registration form (shared Google Form) itself.