



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education initiative)

Institution's Innovation Council
MoE's Innovation Cell
SMART INDIA HACKATHON - 2025

Idea / Proof of Concept (PoC) Submission Form

S.NO	Field Name	Description
1	*Title	Prediction of Satellite tracking along with space weather activity forecasting CME & geomagnetic storm prediction
2	*Developed as part of	SERVICE AS A STARTUP
3	*Choose the Financial Year, during the Idea-PoC/Innovation Developed	2025-26
4	*Sector / Domain	<p>SPACE TECHNOLOGY - SATELLITE BASED COMMUNICATION SERVICES</p> <p>Target User:- Commercial Satellite based Services - Telecom Industry.</p> <p>Eg. AIRTEL ONEWEB, STARLINK</p> <p>AIRTEL OneWeb - 648 Satellites REVENUE - US 200m dollars</p> <p>STARLINK - 6000+ Satellites USERS - 8 million users REVENUE - Billion dollars</p> <p>We will provide service of tracking CME & magnetic storm alerts for smooth operation of satellite based communication organisation, so that loss of money & satellites damage prevent</p>



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5	*Innovation Type	SOFTWARE PRODUCT ON SPACE TECHNOLOGY WITH ACCURATE CME AND STORM PREDICTION
6	*Development Stage - Technology Maturity of the Solution/Innovation in terms of Technology Readiness Level TRL	TRL2 UNDER PROTOTYPE DEVELOPMENT PHASE
7	*Define the problem and its relevance to today's market / society / industry need.	MANY COMMUNICATION BASED SERVICES ARE FACING LOSS OF MONEY AND TRUST, SLA VIOLATION DUE TO SERVICES AFFECTED BY STORM
8	*Describe the Solution / Proposed / Developed	WE ARE TRACKING THE SATELLITE, PREDICTING THE STORM USING HYBRID AI MODEL & SGP4 MODEL AND ALERTS WHEN SATELLITE DANGER
9	*Explain the uniqueness and distinctive features of the (product / process / service) solution.	Accurate prediction of CME & storm due to rule based and hybrid AI Model and calibrated Level 2 raw data of Aditya 12
10	*How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any	Recently ISRO is not providing CME alerts to private organisation & isro tracking its own satellite and India region debris but our services is for Private organizations
11	*Is there any IP or Patentable Component associated with the Solution?	NO
12	*Has the Solution Received any Innovation Grant/Seed fund Support?	UNDER DEVELOPMENT CONCEPT MENTORED BY ISRO SCIENTIST
13	*Are there any Recognitions (National/International) Obtained by the Solution?	Only Initial support and mentoring support by ISRO SCIENTIST



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14	*Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Start-up?	Under the development phase TRL 2 . Improving the accuracy and integration as a service.
15	*Had the Solution Received any Pre-Incubation/Incubation Support?	No
16	Video URL	— —
17	Upload Photograph: (JPG, PNG max 2 MB)	—

NOTE:

Once your Idea/PoC is submitted, then Team leader can add the Team Members and Mentor details.

Evaluation Criteria Sheet for Idea/PoC Submission

S.NO	Evaluation Parameter	Maximum Marks
1	Right Identification of the Problem (Appropriate selection of the problem)?	25
2	Relevance of the Solution (Adequately addressing the problem/need)?	25
3	Quality Features of the Solution (Distinctive features of the solution)?	25
4	Uniqueness of the Solution (Intellectual Property Component)?	25

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