

SPARK 2026

INNOVATION CHALLENGE

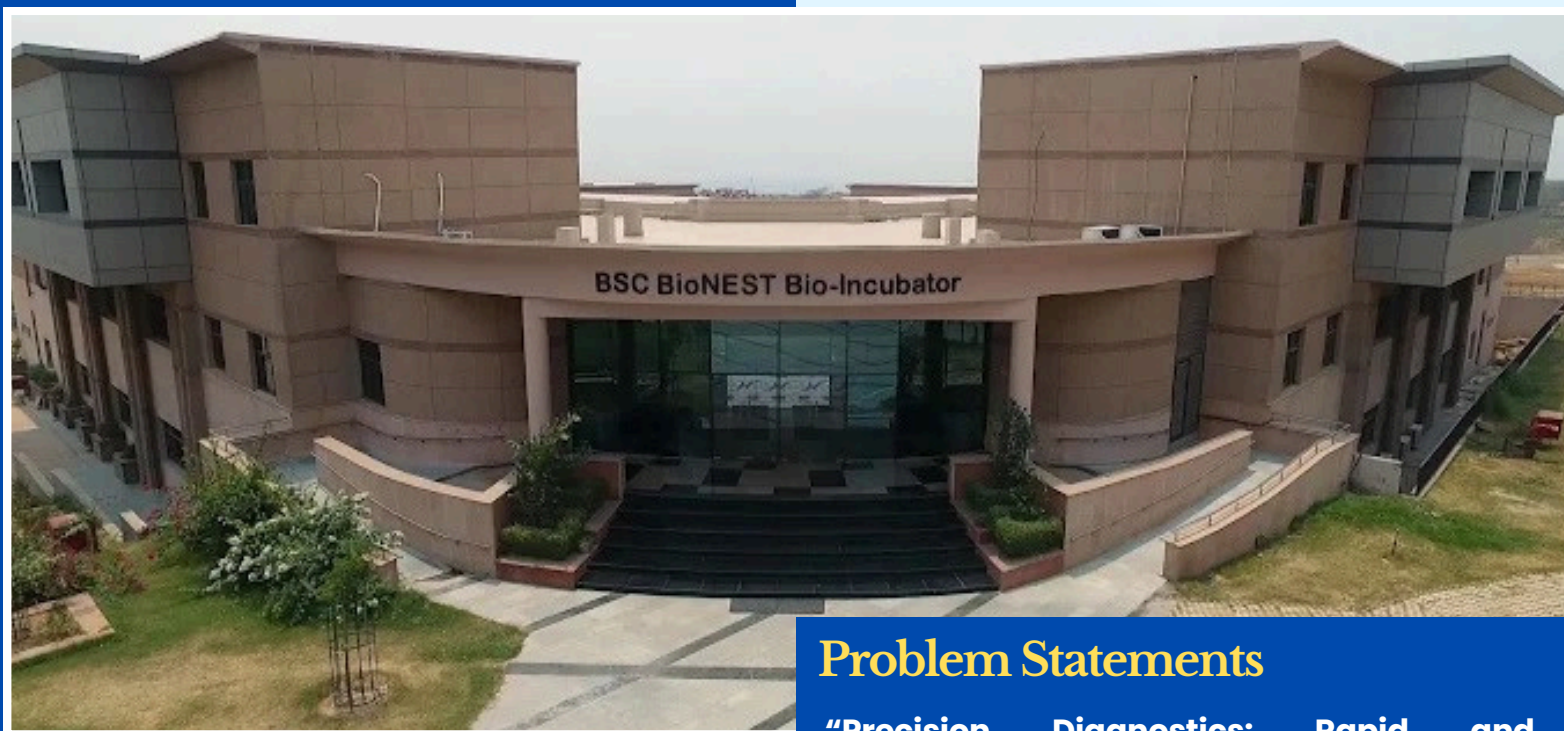
Organized by BSC BioNEST Bio-Incubator (BBB)
Regional Centre for Biotechnology (RCB),
Faridabad



United Nations
Educational, Scientific and
Cultural Organization



क्षेत्रीय जैव प्रौद्योगिकी केन्द्र
Regional Centre
for Biotechnology



An innovation challenge showcasing the creativity, critical thinking, and ingenuity of undergraduate and postgraduate students.

With a mission to foster and empower the biotech startup ecosystem, BBB is dedicated to supporting young bio-entrepreneurs by offering *state-of-the-art* incubation facilities and infrastructure. To further encourage innovation, BBB is organizing '**SPARK**', a dynamic challenge designed to provide a platform for budding entrepreneurs to showcase their ideas and solutions.

**(Deadline for proposal submission
30th November 2026)**

Problem Statements

"Precision Diagnostics: Rapid and Affordable Detection Solutions": Develop innovative diagnostic technologies that make disease detection faster, cheaper, and more accessible — particularly for resource-limited settings.

"Green Biomanufacturing: Sustainable Solutions for Industrial Bioprocessing": Create innovative bioprocessing or biomanufacturing solutions that reduce the environmental footprint of industrial production.

"AgriBiotech Innovations: Smart Solutions for Crop Resilience and Food Security": Develop biotechnology-driven solutions that strengthen agricultural resilience and improve food security.

Payment Link:

<https://easypay.axis.bank.in/easyPay/makePayment?mid=NjEyMzQ%3D>

Registration Link:

<https://forms.gle/ogYtMseXiYeW3UuLA>

Innovation Challenge 'SPARK'

20th Oct
-
30th Nov

**Registration & proposal
submission (through Google form)**

01st Dec
-
15th Dec

Results of Shortlisted proposals

15th Jan 2026

Grand Finale (Final Pitching)

Attractive Prizes



**1st
Prize**

INR 10,000

**2nd
Prize**

INR 7,000

**3rd
Prize**

INR 5,000

Organize online
events

Problem Statements

“Precision Diagnostics: Rapid and Affordable Detection Solutions”:

Participants are invited to develop innovative diagnostic solutions that enable faster, affordable, and accessible disease detection, particularly in resource-limited settings. Ideas can focus on point-of-care testing, biosensors, portable devices, and AI-assisted diagnostics. Solutions should be practical, scalable, cost-effective, and capable of improving access to timely diagnosis.

Participants are encouraged to leverage emerging technologies such as AI, microfluidics, biosensors, and digital platforms to transform diagnostic care.

“Green Biomanufacturing: Sustainable Solutions for Industrial Bioprocessing”:

Participants are invited to develop innovative biomanufacturing solutions that reduce environmental impact and improve the efficiency of industrial production. Ideas can focus on bio-based alternatives, microbial or enzymatic production, energy-efficient processes, and circular biomanufacturing. Solutions should be practical, scalable, and commercially viable.

Participants are encouraged to leverage emerging technologies such as synthetic biology, metabolic engineering, and process optimization to enable more sustainable industrial bioprocessing.

“AgriBiotech Innovations: Smart Solutions for Crop Resilience and Food Security”:

Participants are invited to develop biotechnology-driven solutions that improve crop resilience, agricultural productivity, and food security. Ideas can focus on stress-tolerant crops, biofertilizers, biopesticides, and smart farming technologies. Solutions should be practical, sustainable, scalable, and capable of creating real-world impact for farmers.

Participants are encouraged to leverage biotechnology, genomics, AI, and data-driven approaches to address emerging challenges in agriculture.

Who can participate?

- A Team of 3-5 UG / PG (Science) / Ph.D. Pursuing students
- The team can be from any UGC recognized College/ Institute/ University

How to Register - Steps

1. Open Payment link - [https://easypay.axis.bank.in/easyPay/makePayment?mid=NjEyMzQ%3D](https://easypay.axis.bank.in/easyPay/mak ePayment?mid=NjEyMzQ%3D)
2. Select purpose (Category) - Workshop and purpose (subcategory)- BBB Spark Ideathon
3. Pay Application fee (INR 1000/ Team) by clicking on the Payment link
4. Note down the UTR No. after payment
5. Open Google form- <https://forms.gle/ogYtMseXiYeW3UuLA>
6. Fill the details in Google form for registration along with UTR No.
7. Submit proposals in Google form (Maximum 500 words)
8. Click on Submit button

General Rules

- Each team must identify an innovative solution related to one of the previously mentioned "Problem Statements."
- The focus should be on developing novel solutions with commercial viability.
- Ideas that do not address the specified "Problem Statements" will be disqualified.
- Submissions must be original and innovative; any form of plagiarism will result in disqualification.
- Teams may use the internet for research and information gathering.
- Once submitted, proposals cannot be modified.
- All participants will receive an online certificate of participation.
- Registration fees are non-refundable under any circumstances.

Selection criteria for shortlisting of proposals

Criteria	Weightage %
Novelty	40
Value proposition	30
Technical feasibility & commercial potential	30

Please note – Shortlisted teams will be notified by the first week of January 2026. Selected teams will receive a separate PowerPoint template to use for their presentations in the Grand Finale



Grand Finale – 15th January 2027

Important points for the final pitch

- **Presentation Template:** A template for the presentation will be provided to the shortlisted teams.
- **Duration:** Each presentation should not exceed 8 minutes.
- **Media Inclusion:** Teams may include videos, photographs, and audio clips within their presentation.
- **Time Warning:** A buzzer will sound at the 7-minute mark. Teams exceeding the allotted time will incur point deductions.
- **Judging Process:** Teams will present their proposals to a panel of distinguished judges, who will have the opportunity to ask questions.
- **Final Decision:** The decision of the judges will be final.

Contact Us
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