



Bio-Cyber-Physical-System Entrepreneur-In-Residence **(Bio-CPS EIR)**

Detailed Program Document

1. About BITS BioCyTiH Foundation:

The BITS BioCyTiH Foundation (henceforth referred to as “the Foundation”) is a Section 8 non-profit company hosted by BITS Pilani under the National Mission of Interdisciplinary Cyber-Physical Systems (NM-ICPS) of Government of India (GoI). The mandate of the Foundation is to fashion a platform that foster research, innovation, skill development and training in the interdisciplinary translational area of Bio-Cyber-Physical Systems (Bio-CPS) through mentoring and nurturing entrepreneurs, and industry-academia collaborations to bring cutting edge technology and product to the market.

2. About Bio-CPS EIR:

Bio-Cyber-Physical System Entrepreneur-In-Residence (Bio-CPS EIR) is an umbrella program under the entrepreneurship development arms of BITS BioCyTiH Foundation to encourage and inculcate the spirit of entrepreneurship and creation of deep-tech start-up in the Bio-CPS arena among graduates and post-graduates in engineering and science streams. Bio-CPS EIR program (the Program) supports young innovators and budding entrepreneurs with monthly fellowship to partially de-risk their entrepreneurial journey and provides crucial offerings for the early-stage start-ups.

The program aims at supporting young entrepreneurs developing innovative products / technologies using components; such as but not limited to; Sensors & Actuators, Internet-of-Things (IoT) platforms, Artificial Intelligence (AI), Machine Learning (ML), Deep Learning, Augmented Reality (AR), Virtual Reality (VR), Cyber Security Systems, Image Analytics, Robotics & Automation, Microfluidics, Micro-Electro-Mechanical Systems (MEMS). The innovation must have promising application(s) in Healthcare, Agriculture, Water and / or Environment sector.

3. Program Offerings:

- Monthly fellowship to young innovators / early-stage entrepreneurs of considerable

potential for pursuing a technology business idea.

- Support in accessing the state-of-the art R&D infrastructure for execution of project.
- Business advisory, and connect with successful entrepreneurs, industry professionals and subject matter experts.
- Guidance on IP, legal, financial and team building aspects of venture creation and early-stage startup journey.
- Tailored mentoring and monthly review to help growth of innovative ideas into viable businesses.

4. Funding Mechanism:

a. Fellowship

- The Bio-CPS EIR fellows will receive monthly fellowship of **Rs. 50,000/-** for the period of six months.
- The Foundation may consider deserving Bio-CPS EIR fellow(s) for prize award up to **Rs. 5,00,000/-** on successful completion of the Program.

b. Monthly Evaluation and Progress Review

The disbursement of monthly fellowship will be subject to review of progress and commitment to the program. Unsatisfactory progress of the project may lead to premature termination of fellowship.

5. Eligibility Criteria:

The eligibility criteria to apply for the Bio-CPS EIR program is as follows:

- Early-stage entrepreneurs with recently registered start-ups (Registration date - not earlier than 14th November, 2020) **OR** Individual innovators willing to incorporate an entity / company to pursue entrepreneurial aspirations.
- Indian national with valid nationality and residential proof (Aadhar Card / Indian Passport)
- Completed four years' graduation or 3+2 years' post-graduation in any stream of engineering or science. **Final year students and PhD scholars in engineering or science streams can also apply for Bio-CPS EIR.*

- In case the business idea leverages third-party technology / Intellectual Property (IP), a No Objection Certificate (NOC) needs to be produced by the EIR fellow at the time of admission to the Program.

6. Focus Areas & Technology Domain:

Bio-CPS EIR program aims at supporting innovators developing products / technologies to address the problems / challenges in at least one of the following focus areas.

1. *Healthcare*
2. *Agriculture*
3. *Water*
4. *Environment*

Preference shall be given to the innovations (products / technologies) utilizing Sensors & Actuators, IoT platforms, AI / ML, Deep Learning, AR / VR, Cyber Security Systems, Image Analytics, Robotics & Automation, Microfluidics, and / or MEMS.

7. Instruction on disclosure of information in the proposal:

Share only the non-confidential information about the project sufficient for proper evaluation of the proposal. Avoid sharing confidential / patent pending details at the stage of proposal submission. The proposal might be shared outside the Foundation for the review and evaluation purpose.

8. Disclaimer:

- Applications submitted through online mode by using the application link “Apply Now” in the program notification will only be considered for evaluation. Applications received by any other means will not be entertained.
- Application deadline is **6.00 PM IST 14th November, 2022**. Applications received after the deadline will not be entertained.
- Selection of EIR fellows will be on a competitive basis upon screening of applications and technical evaluation, followed by due diligence.
- Submitted business proposal should be applicant’s original idea and not copied or plagiarized from elsewhere.
- Only shortlisted EIR fellows will be informed and called for the presentation to the Evaluation Committee by the end of November, 2022.

- Screening of eligible applications will be based on parameters; including but not limited to; unmet need of the solution, technical feasibility and relevant experience of the individual, commercialization potential and scalability, novelty, uniqueness or competitive advantage, and clarity of project milestones.
- Selected Bio-CPS EIR fellows will be announced on the BITS BioCyTiH Foundation website (<https://www.biocytiH.co.in/>) by the third week of December, 2022.

9. Application Process:

Applicants are advised to prepare the following documents in .pdf format before start of application, and submit the applications using the link given below.

1. Updated CV / Resume: Titled as CV - Applicant's Name (not more than two pages)
2. Formal Business Proposal for consideration under Bio-CPS EIR program – [Prescribed Format of Business Proposal](#).

Download the proposal format for Bio-CPS EIR application, furnish the downloaded word document with relevant information and upload the .pdf file of the business proposal in the application form.

3. Signed self-declaration by the applicant – [Prescribed Template](#).

[APPLY NOW](#)

10. Application deadline

The application deadline for Bio-CPS EIR program is **6.00 PM IST 14th November, 2022**.

11. Contact details

Please write to us at manager.incubation@biocytiH.co.in, copied to ceo@biocytiH.co.in for any queries related to the application process.

12. Frequently Asked Questions

For general queries related to application process and program details, please visit [Frequently Asked Questions \(FAQs\)](#).