



ENGINEERING COLLEGE AJMER

(AN AUTONOMOUS INSTITUTION OF GOVT. OF RAJASTHAN)

NH- 8, Barliya Circle, Ajmer (Rajasthan) -305025

Phone 0145-2971023

Website: www.ecajmer.ac.in

ECA/CS&IT/2024/924

Date: 5.02.24

Department of CSE

Notice for 3rd Year Computer Engineering Students

Innovation and Design Thinking Hands-on Project Lab

The Capstone project is a central pillar of the Innovation and Design Thinking Hands-on Project (IDTHP) Lab. All IIIrd year Computer Engineering students must successfully complete a 2-credit Capstone Project in (IDTHP) Lab. This lab is designed to help and guide to the students about the following.

- National Innovation and Startup Policy (NISP) of Govt. of India.
- Ideate, prototype and Iterate solutions.
- Applying Design Thinking Tools and Approaches for Right Problem Identification and Solution Development.
- Business Plan Development.
- Legal Structures and Ethical Steps in Establishing Startups.
- Design and develop a Prototype.
- Pitch their idea.
- Demonstrate their innovative and design thinking capabilities using mock-up models

Students in the group of 3 to 5 students must prepare a project idea (at the starting) using the design thinking process under the mentorship of the faculty members of the department. Students may also request to the members of Institute Innovation IIC cell (Details given on college website (<https://ecajmer.ac.in/iic.php>)) for the mentorship. Students will work on this project idea during the semester. At the end of the semester, students will submit in their capstone project report by the incorporating or usage of lab experiments. They will also have a presentation of the project idea. One faculty member including IIC members may mentor at most 2 Capstone Project groups.

Please note: Idea submission must be made by the Team Leader only which the student group will decide on itself

- Submission dates should be strictly followed. No exceptions will be made.
- Submission is required to be done on googlr form <https://forms.gle/L3qjJ9D7CeJsvmfR7> in the prescribed format. The ppt format is available on https://drive.google.com/file/d/1eEXAZWD9D73SQ4623n_AHRG-8EUHTgD1/view?usp=drive_link

(One page synopsis of the idea duly signed and approved by the mentor and signed by team members also. Synopsis must have the names of all members of the group and Mentor)

- In the Google form fill in all the required details for submission of the idea.
- Entries to be sent only in the prescribed format; otherwise they are bound to get rejected.
- Upload the PPT in the prescribed format, stating the idea complete and the application process (Just like idea submission in Hackthons).



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- A group can submit idea in only one problem statement.
- The ppt should be a Microsoft Power Point/Beamer Presentation. The file which the student uploads shall be named as under:
College No. _Name of the Team Leader (Example - 21CS_ABC)
- The last date for idea submission is 15th February, 2024 and the link shall be live till 11:59 p.m.
- The last date for Capstone Project's report submission is 30th April, 2024 to the Faculty Lab Coordinator.

Expectations for IDTHP lab Students

- Students may either work with their mentor to propose an original project idea or work on part of an existing project in their mentor's domain.
- Although students will be expected to work collaboratively with their mentor and IIC cell, they must be the primary contributor to the work being completed for their capstone project.
- Students are required to submit a project proposal, progress reports, and a final manuscript by the deadlines set by the Department.
- Students must get feedback and approval of all project deliverables from their mentorship team (Mentor and IIC cell) before the deadlines. To ensure this, students and their mentorship team must identify a reasonable timeline for this feedback well in advance of the program deadlines.
- **Outcome of the Capstone project must be in the form of Startup idea/ Patent/Innovation.**
- Students are expected to practice professional courtesy when making and keeping regular appointments with their Mentor and IIC cell members.
- Students are expected to exhibit professional conduct when performing work related to capstone in their Mentor's lab or office space.
- Due to the short time frame of the capstone project, it is highly unlikely that students will be able to submit their capstone work for publication at the time that the final report is due. Students are not expected to publish their work during the time frame of the capstone project, but are highly encouraged to do so in the future.

Dr Vinesh Jain

Faculty Coordinator of **IDTHP lab**

Dr Jyoti Gajrani

Head, CSE

Copy to (through e-mail/Website)

1. IIC cell for kind information
2. All faculty Members of CSE
3. IIIrd Year Computer Engineering Students