



# SUMMER FELLOWSHIP REPORT 2025

Focal-Graphics

**Submitted by**

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**Under the Guidance of**

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IIT-Bombay

**15th May - 15th July**

I would like to thank and express my gratitude to **Prof. Kannan M. Moudgalya**, *IIT Bombay*, for making it possible for me to work on this project. I would like to appreciate the noble cause of **FOSSEE, IIT Bombay**, in promoting the use of freely available tools to improve the quality of education in our country and making it more accessible.

I would like to express my deep and sincere gratitude to my senior project advisor and mentor, **Mr. Khushalsingh K. Rajput**, *Project Lead (FOCAL) & Sr. Software Engineer (FOSSEE), IIT Bombay*, for his enthusiasm, continuous support, and guidance throughout the project. His round-the-clock support and patience in sharing his immense knowledge without limits or boundaries is truly admirable. His fatherly approach towards students, combined with outstanding problem-solving and management skills, is a euphoric treasure worth experiencing firsthand.

I also extend my heartfelt thanks to my **fellows** from the fellowship for their constant cooperation, encouragement, and insightful discussions that made this journey enriching.

Finally, I am deeply grateful to my **family** for their unwavering support and belief in me throughout this endeavor.

**With Regards,**  
**Navin N**

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# Introduction

## About Fellowship

I was selected as a **2D Graphic Designer** in the **Graphics and Animation** category of the fellowship under **FOCAL**, and was placed under the mentorship of **Mr. Khushalsingh K. Rajput**.

FOCAL encourages the use of free and open-source software for creating graphics and visual content. These works are then made publicly available on the official website under a Creative Commons license, making the content accessible to all.

During this fellowship, I worked on creating a **certificate template**, an **Animate hackathon video**, and a **brochure**, each contributing meaningfully to the cause of open-source design in education.

## Duration of Fellowship

I chose the **part-time (6 hrs/day)** FOSSEE Summer Fellowship 2022, which spanned from **15th May 2022 to 15th July 2025**.

## Aim

To design high-quality digital assets such as **certificate templates**, **animate 2025 hackathon video**, and **brochures** using free and open-source tools.

## Software Used

**Inkscape** – Open-source vector graphics editor for creating scalable illustrations.

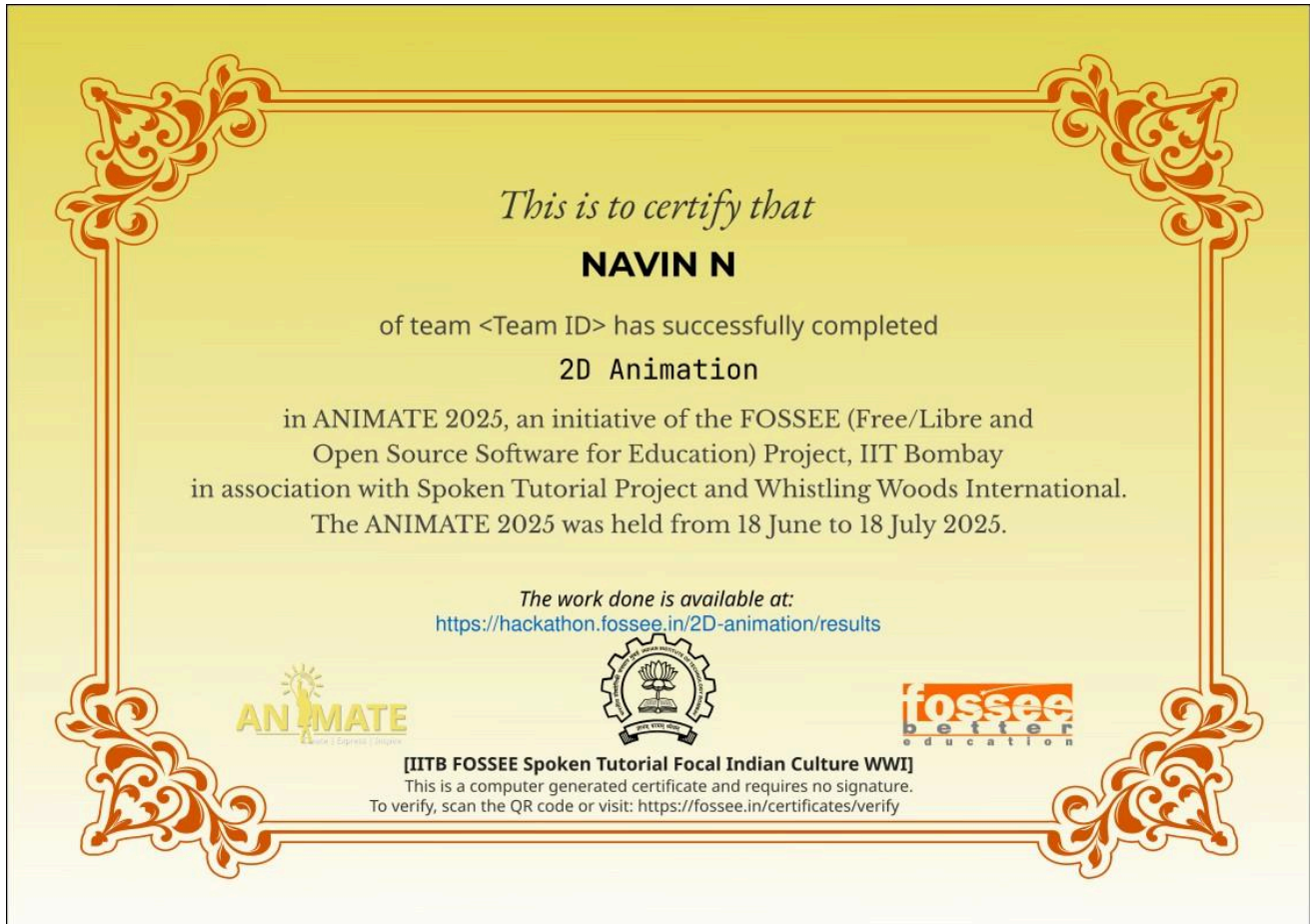
**Synfig Studio** – Open-source 2D animation software for producing timeline-based animations.

**OpenShot Video Editor** – Open-source video editing software for assembling and editing videos.

**Penpot** – Open-source design and prototyping tool for UI/UX and visual design.

**Scribus** – Open-source desktop publishing software used for layout and typesetting of brochures and templates.

## Animate 2025 Certificate Template



## Book Cover Design

### BOOK SUMMARY

This Grade 12 Mathematics textbook is designed to help students build a strong conceptual foundation with clarity, precision, and real-world relevance.

#### Key Highlights:

- Comprehensive coverage of all CBSE topics
- Step-by-step solved examples and illustrations
- Conceptual clarity with real-life applications
- Chapter-end summaries and mind maps
- Ample practice questions with varying difficulty
- QR codes linking to video explanations
- Designed as per the latest curriculum guidelines

An essential companion for academic excellence and competitive exam preparation.

ISBN: 9780306406157

Publisher: EduCore Learning Pvt. Ltd.

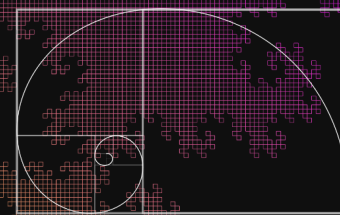
Printed in India

₹200



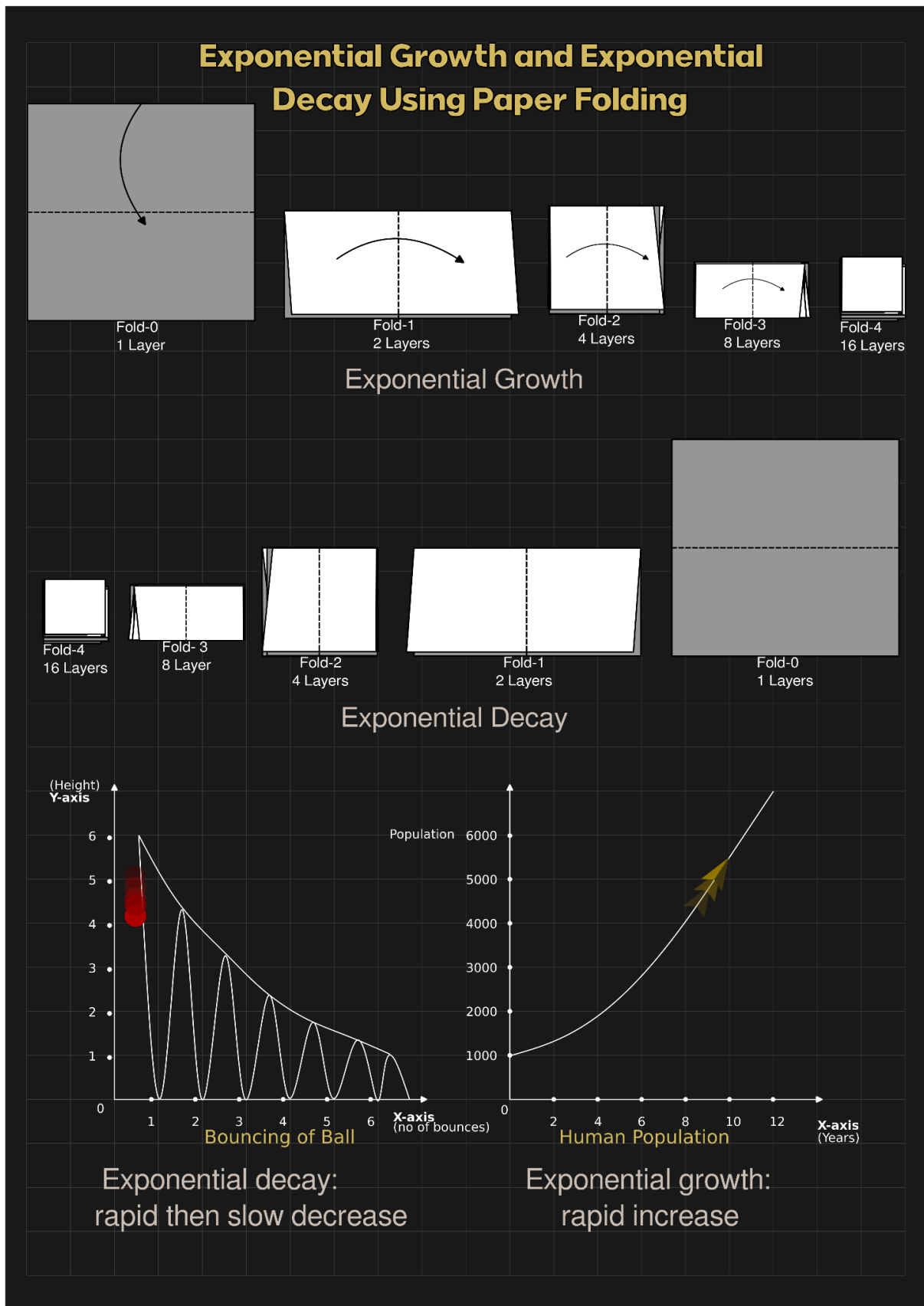
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# MATHEMATICS

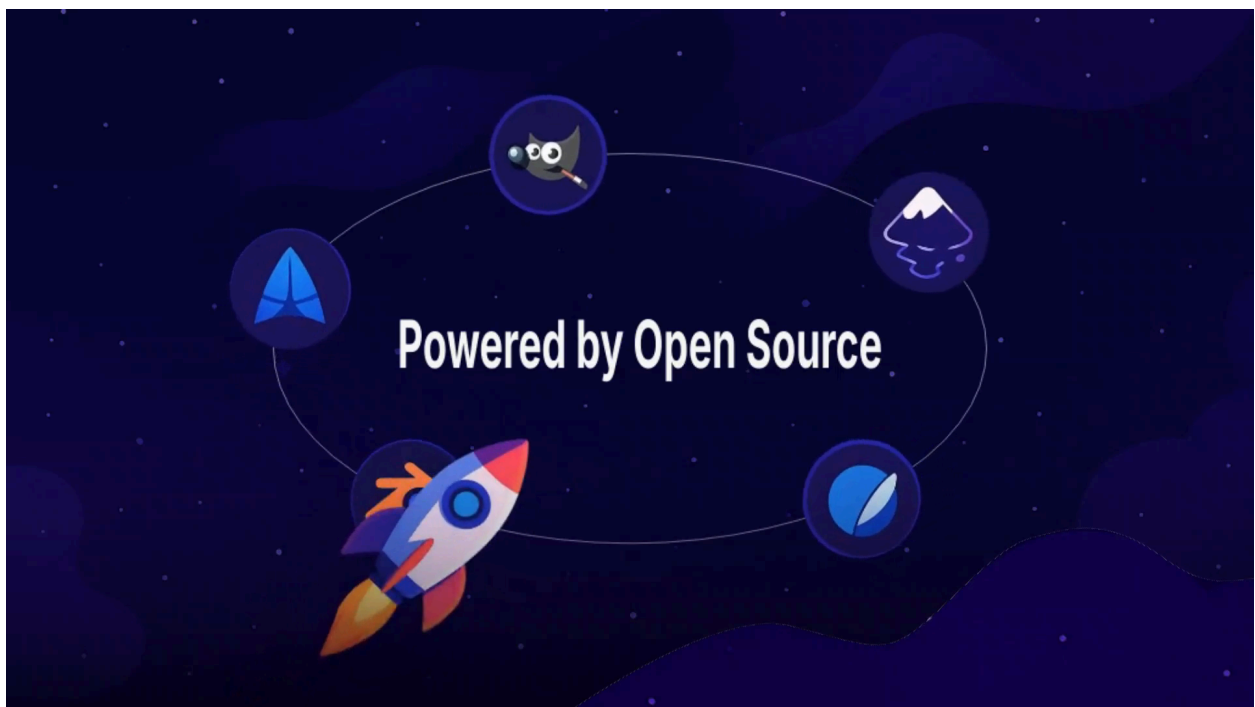


Geometry

# Education Concept Poster

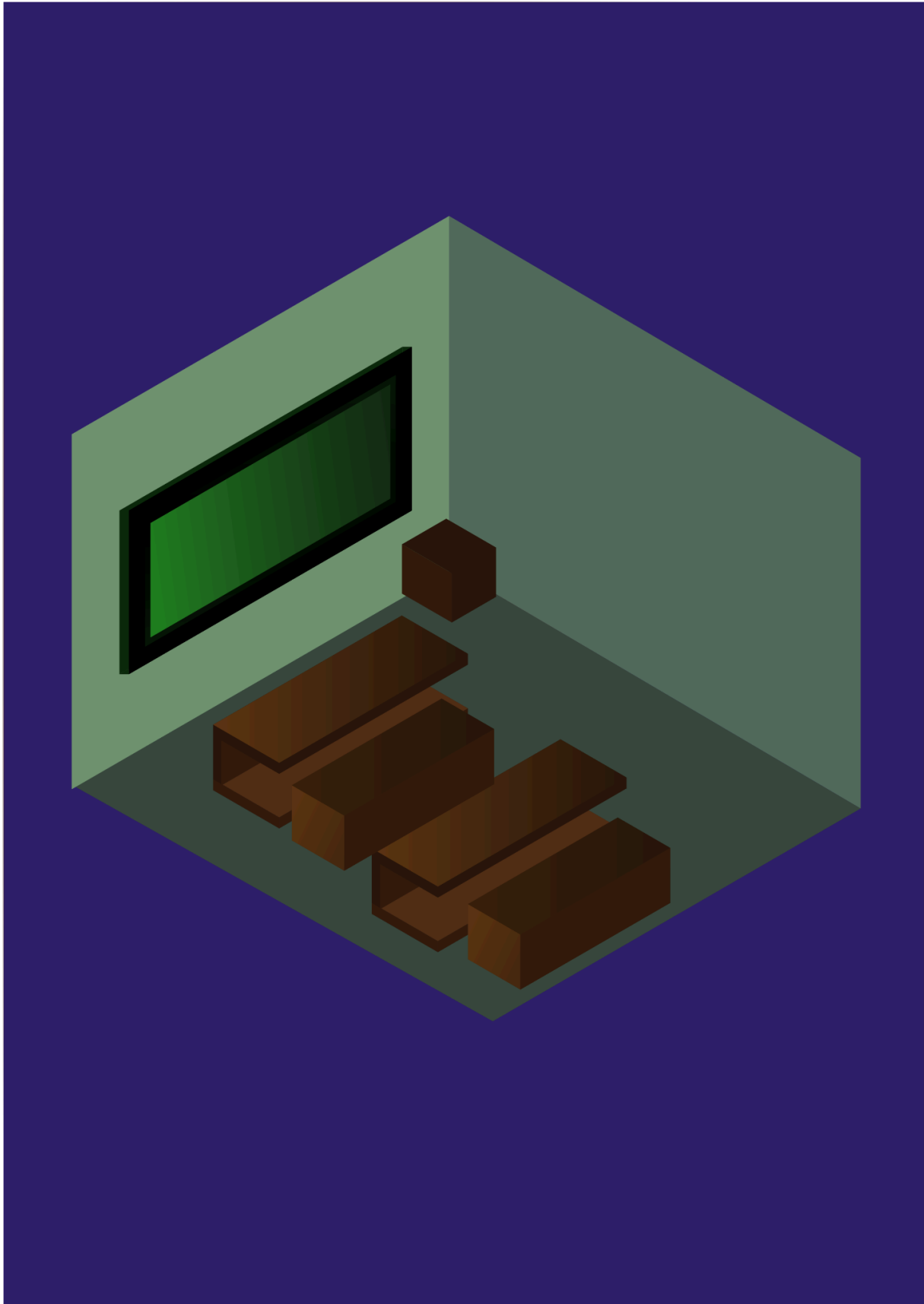


## Animate 2025 Intro Video Scene 06





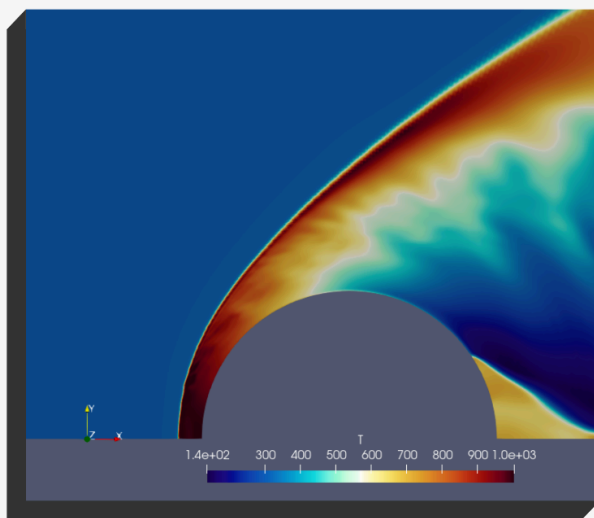
## Isometric Class Room Illustration



## OpenFoam Workshop Poster

# Faculty Development Program on OpenFOAM

by FOSSEE, IIT Bombay



**Registration : Free  
Mode : Online**

**10-13 June 2025  
10:30 am to 5:30 pm**

FOSSEE, IIT Bombay, is inviting Faculty Members who are interested in Computational Fluid Dynamics (CFD) to learn OpenFOAM by joining a four day online workshop. The workshop will begin from the basic level and enable the participants to learn upto the intermediate level of OpenFOAM

- Live interaction with experts of OpenFOAM from eminent institutes of India and abroad
- Hands-on training sessions on OpenFOAM
- Certificates

For any queries related to OpenFOAM contact us at: [contact-cfd@fossee.in](mailto:contact-cfd@fossee.in)

Scan the QR code for registration



Indian Institute of  
Technology Bombay



**fossee**  
better  
education



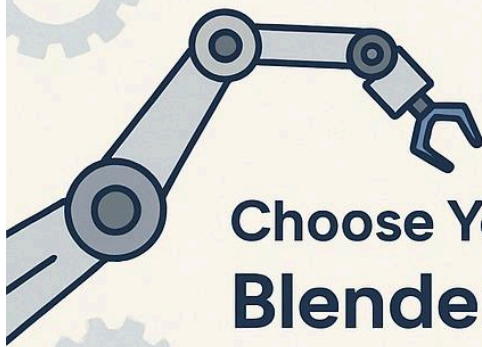
The FOSSEE project is funded by the National Mission on Education through ICT, MoE, Government of India.

# Focal Website Redesign

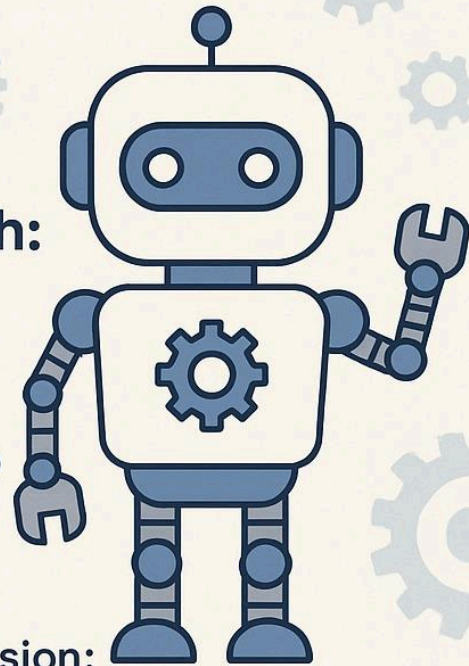


# ANIMATE 2025 Hackathon

Create and Animate Your Own  
Mechanical Marvel!



Choose Your Path:  
**Blender 3D**  
or  
**Synfig Studio 2D**



 **Registration & Submission:**  
June 18 – July 18, 2025

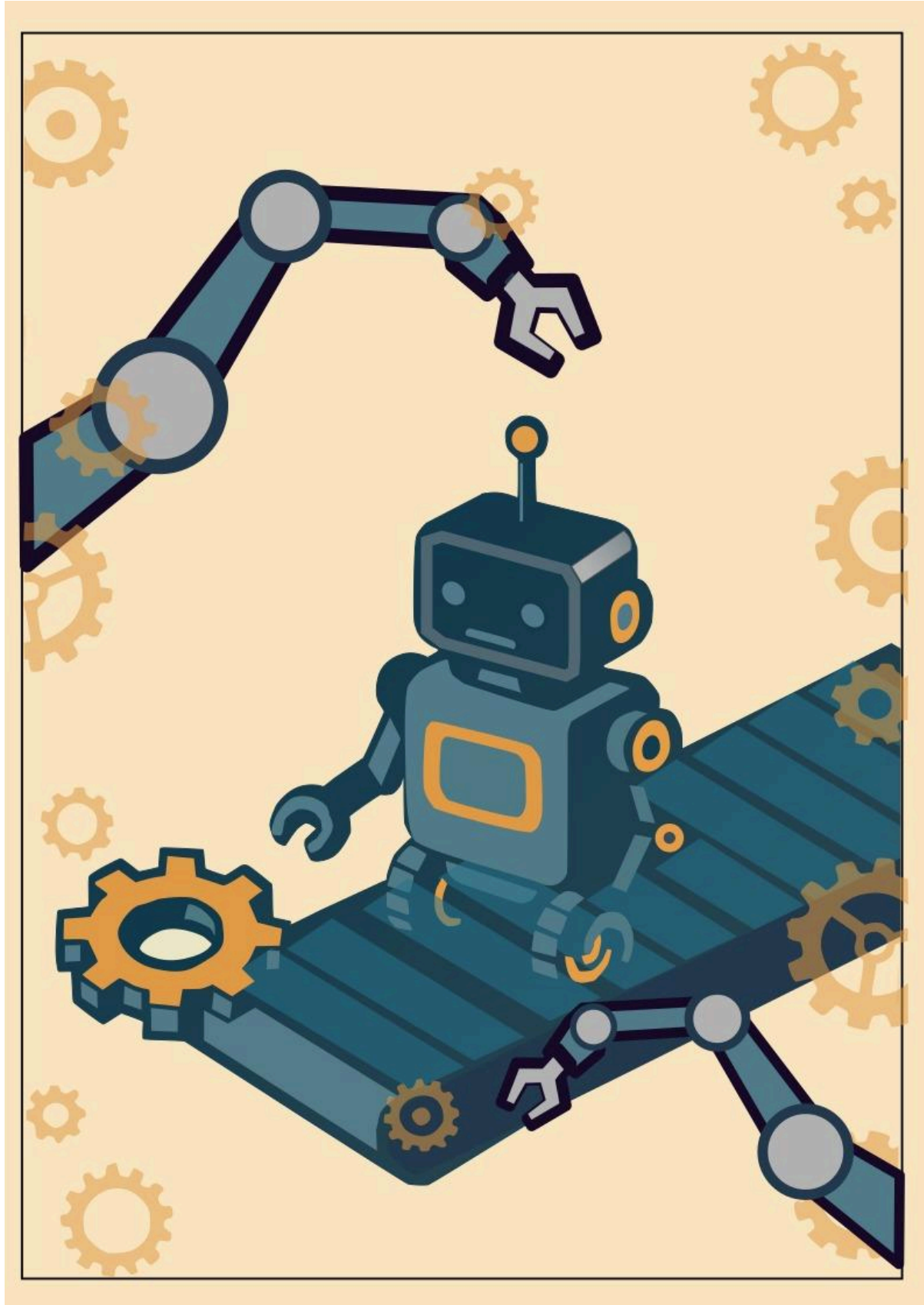
 **Results: August 30, 2025**

- Blender 3D: 60-180s video +.blend file
- Synfig Studio 2D: 60-180s video +.sif/.sifz



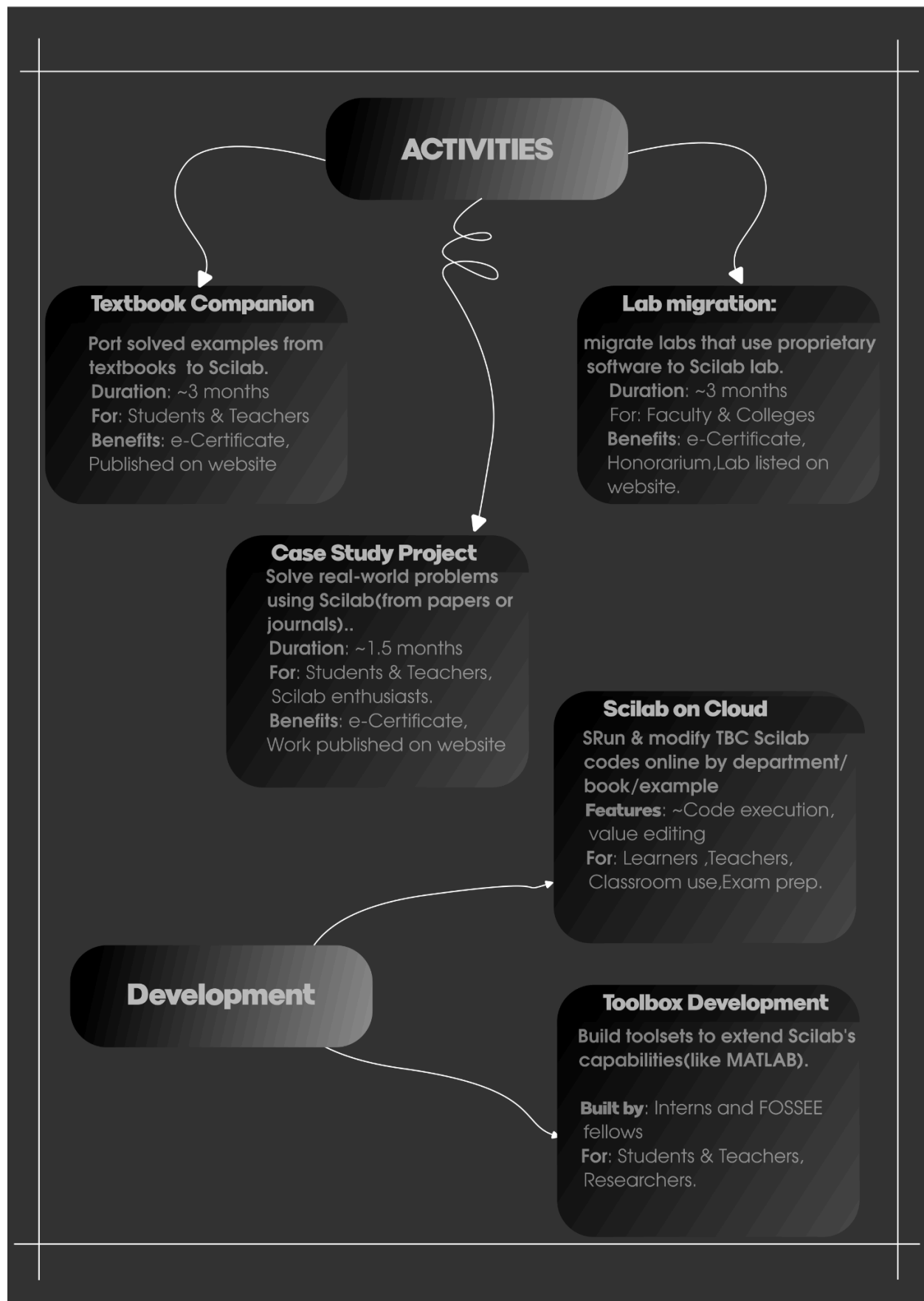
 **More Info & Register:**  
[hackathon.fossee.in/  
animate2025](https://hackathon.fossee.in/animate2025)

## Animate 2025 Poster





## FlowChart Design For SCILAB



# What Lies Ahead

## Future Plans

My time with FOSSEE gave me useful insights into the role of design in open source. It reinforced the importance of clarity in my work and showed how it can make powerful tools more accessible to more people.

Moving forward, I want to use my design skills to help other open-source projects become more user-friendly. I respect FOSSEE's commitment to open access for knowledge and technology, and I would welcome the chance to contribute to the community again.

Thank you

**Navin N**

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