10-DAY CREATIVE AI WORKSHOP

A beginner-friendly journey for first-year students • Learn → Explore → Build → Present

3 DAYS	2 DAYS	4 DAYS	1 DAY
PRE-WORKSHOPS	CAMPUS IMMERSION	POST-WORKSHOPS	HACKATHON
ONLINE	OFFLINE · IIT HYDERABAD	ONLINE	ONLINE

THE 10-DAY FLOW

01–03
PRE-WORKSHOPS
ONLINE

Build the basics
- Creative thinking & problem-solving
- AI and generative AI: what they are
- Prompting, research & responsible AI

Takeaway: one problem idea

04–05
CAMPUS IMMERSION
OFFLINE · IIT HYDERABAD

Explore and experience
- Hands-on creative activities
- AI tools and real-world demos
- Meet mentors; discover tracks
- Form teams and refine ideas

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06–09
POST-WORKSHOPS
ONLINE

Turn ideas into skills
- Choose an AI track
- Guided mini-project development
- Career pathways & portfolios
- Feedback and presentation practice

Takeaway: prototype / demo

10
ONLINE HACKATHON
FINAL DAY

Build, present and share
- Define a problem and solution
- Build a small prototype
- Pitch: problem → solution → impact
- Showcase and receive feedback

Takeaway: final submission

A SIMPLE DAY-BY-DAY PLAN

DAY	FOCUS	WHAT STUDENTS DO
Day 1	**Creative mindset**	Observation, imagination, design thinking and finding everyday problems.
Day 2	**AI made simple**	AI vs. machine learning vs. generative AI; examples students already use.
Day 3	**Prompting & idea selection**	How to ask better questions, verify AI outputs and select a challenge to explore.
Day 4	**IIT Hyderabad – Explore**	Offline creative workshop: team activities, demonstrations, mentor interaction and track discovery.
Day 5	**IIT Hyderabad – Create**	Offline workshop: brainstorm, map a solution, form teams and prepare a mini-project plan.
Day 6	**Choose your AI track**	Explore tracks, choose one based on curiosity and identify the skills needed.
Day 7	**Build the first version**	Guided project work: research, workflow, prototype and responsible use of tools.
Day 8	**Improve & test**	Test with users or sample cases, find gaps, improve and document the work.
Day 9	**Career & pitch readiness**	Career pathways, portfolio basics, project story and presentation practice.
Day 10	**Online hackathon**	Team challenge, prototype submission, short pitch, feedback and next steps.

AI TRACKS STUDENTS CAN EXPLORE

No prior AI or coding experience is required. Start with curiosity and learn the basics step by step.

1. Generative AI & Prompt Engineering	Explore chat-based AI, image/text generation, prompt design and checking AI responses.	**Possible directions** Prompt designer • AI content specialist • AI workflow assistant
2. Machine Learning & Data	Understand how data helps computers find patterns; try simple datasets and predictions.	**Possible directions** Data analyst • Junior ML practitioner • Data science learner
3. AI Apps & Automation	Connect tools, design simple workflows and build useful no-code / low-code solutions.	**Possible directions** AI application builder • Automation specialist • Product associate
4. Computer Vision	Explore how AI works with images and video, such as object and image classification.	**Possible directions** Computer vision learner • AI prototyping developer
5. AI + Robotics / IoT	See how software interacts with sensors, devices and the physical world.	**Possible directions** IoT developer • Robotics learner • Embedded systems trainee
6. AI for Social Impact	Identify meaningful problems in education, health, agriculture, accessibility or sustainability.	**Possible directions** Social-impact innovator • Product / project associate

CAREER PATHWAYS: HOW A FIRST-YEAR STUDENT CAN START

EXPLORE	LEARN	BUILD	SHOW	GROW
Try activities, tools and tracks. Notice what you enjoy.	Build foundations: problem-solving, communication, digital skills and coding basics.	Create small projects. Keep notes, screenshots and demos.	Present your work; add it to a simple portfolio or GitHub.	Join clubs, competitions, internships and advanced courses when ready.

BEGINNER TOOLKIT

A laptop or phone, internet access, curiosity, a notebook and willingness to collaborate. Coding is helpful for some tracks, but it is not a starting requirement.

BY THE END OF 10 DAYS, STUDENTS SHOULD HAVE

- A clearer understanding of AI and its uses
- Explored at least one AI track and related career direction
- Worked with a team on a small project
- A prototype, demo or documented concept
- Experience presenting an idea in an online hackathon

Note: This is a suggested learning flow based on the 10-day structure provided. The AI tracks and daily topics are proposed beginner-friendly content and can be adjusted to match the facilitators, tools and final hackathon theme.