

General Information

Team

- Track 1-3: each team should have 2 to 4 members.
- Track 4 (Luxshare): teams must have 3 members max, and **at least one DKU student** in the team.

Website

<https://hackdku.dkucs.com/>

Submission Stages

- 4.12 23:59 - Project description deadline (Google Forms link TBA)
- 4.18 12:00 - Final Submission Deadline (through Devpost)
<https://hackdku-2026.devpost.com/>

Devpost (link)

<https://hackdku-2026.devpost.com/>

Prize

- Teams choose one of four tracks to participate in.
- One winner per track based on product quality, presentation, and theme fit.
- Track 1-3: 2500 RMB per track
- Track 4 (Luxshare): 3000, 2000, 1000 RMB for top 3 teams

Tracks

Track 1: FinTech

Design an ethical, AI-driven solution to a real problem in finance, focusing on transparency, fairness, and responsible decision-making rather than *only* optimization or profit.

Identify a concrete pain point affecting users such as individuals, institutions, or underserved populations, explain why current systems fail, and propose a feasible solution that improves outcomes like access, risk management, or financial literacy.

Strong projects critically address issues such as bias, opacity, data privacy, and systemic inequality, ensuring that AI is used in a trustworthy and accountable way. Submissions should clearly communicate the problem, solution, innovation, and ethical implications, and will be judged on real-world relevance, responsible AI use, feasibility, and clarity.

Ex. Identification of financial fraud gangs / abnormal transactions / money laundering

Track 2: HealthTech

Design an ethical, AI-enabled solution addressing a real unmet need in Parkinson's disease that improves patient outcomes, access to care, or clinical efficiency while prioritizing safety, privacy, and equity.

Focus on a specific pain point such as delayed diagnosis, symptom monitoring variability, medication management, caregiver burden, or limited access to specialists, and explain why current approaches are insufficient. Propose a clinically relevant and deployable solution that responsibly integrates AI, taking into account challenges like bias in datasets, interpretability of models, informed patient consent, and disparities in access to digital health tools.

Strong submissions will clearly articulate the problem, solution, innovation, and ethical safeguards, and will be evaluated on real-world impact, feasibility, and responsible use of AI in Parkinson's care.

Track 3: EdTech

Design an innovative, impactful, and ethical solution to a real educational problem with AI; focusing on strong problem–solution fit, meaningful differentiation, and responsible design.

Propose a feasible and actionable solution that improves learning outcomes, accessibility, or system efficiency while going beyond incremental improvements.

You are encouraged to explore domains such as higher education, assessment and evaluation, K–12 learning, language learning, or other areas, with particularly strong projects rethinking how learning is measured and experienced rather than just optimizing existing systems.

Your solution must also evaluate effectiveness, risks, and broader societal impact, addressing fairness, transparency, privacy, and educational integrity.

Track 4: Luxshare - AI for Smart Manufacturing

Luxshare invites participants to explore how AI can address real-world challenges in smart manufacturing. Teams are encouraged to develop innovative solutions in the following areas:

AD (Automation & Digitalization)

Use AI to improve production line automation, digital twin systems, and intelligent manufacturing processes.

TE (Test Engineering)

Apply AI to optimize product testing, detect anomalies, improve yield, and enhance quality assurance.

MLB (Mainboard Business Unit)

Leverage AI to support PCBA manufacturing, including SMT, assembly, testing, repair, and process optimization.

IT (Information Technology)

Develop AI solutions for factory information systems, data management, cybersecurity, and digital infrastructure.

Teams are encouraged to use technologies such as machine learning, computer vision, data analytics, digital twins, and large language models to improve efficiency, quality, and decision-making in manufacturing.

Agenda

April 11st

- 10:00 check in
- 10:30 open ceremony
- 11:15 introduce Questions (Tracks) and Team information - HACKING STARTS
- 12:00 Lunch
- 13:30 keynote speech I
- 14:15 snack break
- 14:30 keynote speech II
- 15:15 snack break
- 15:30 mentoring
- 17:00 shuttle bus back

April 13rd

10:00-12:00 Luxshare Track Introduction (Online)

Meeting Link:

<https://meeting.tencent.com/dm/Aupfol0851Jx>

Meeting number (**Tencent Meeting**): 894-922-633



April 16th

18:15-19:15 Lecture by Prof. Zhenyu Yang (LIB1113)

- Topic: On-Device Intelligence: Building Real-World AI Apps Across the Apple Ecosystem
- **Zoom Link:** (**Password: hackdku** / Meeting Number: 951 5897 8778)
<https://duke.zoom.us/j/95158978778?pwd=9b9b9SZGPZrutKUjgQ1PZWJBM5ybD3.1>

April 18th

- 10:00 Hackers Check-In
- 12:00 Submission Deadline (Devpost)**
- 13:00 Project Presentations
- 14:30 Networking Session
- 16:00 Awards & closing ceremony

Midweek Mentor Sessions

Before going to mentor sessions, teams are recommended to show up with a figma for quick feedback / prototyping

Dennis (Zhimin) Huang

- zhimin.huang@pku.edu.cn
- **Appointment Link:**
<https://calendly.com/zd73-duke/dennis-zhimin-huang-mentor-meeting>
- **Time: 4.13 8pm-10pm / 4.14 8pm-10pm (30 mins each session)**
- Bio: Shenzhen Overseas Chinese Friendship Association, Industry Expert, Entrepreneurship
- Available for **ALL tracks**

Kevin (Kaifan) Xi

- kevinxi@astrosnow.cn
- **Appointment link:** <https://calendly.com/zd73-duke/30min>
- **Time: 4.14 2pm-4pm / 4.15 8pm-10pm (30 mins each session)**
- Bio: Zhuhai Astrosnow Software Co., Ltd., Distinguished Entrepreneur, R&D, Project Management, AI
- Available for **ALL tracks**

Luxshare

- **Time: 4.13 10am-12pm**
- **Meeting Link:** <https://meeting.tencent.com/dm/Aupfol0851Jx>
- Meeting number (**Tencent Meeting**): 894-922-633

Organizing Committee

Committee Chair

- DKU Computer Science Club

Sponsors

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Luxshare

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DKU—Center for the Study of Contemporary China

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DKU—Academic Services

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Club Partners

- DKU iGem Club



- DKU AI Club



- DKU iOS Club



- FINANCE CLUB

DKU Finance Club



- DKU iGEM Club