



GCIT STUDENT HACKATHON 2022
GCIT HACK! NOVEMBER 12(SATURDAY EVENT)

Program Overview

THEME: GCIT HACK! SMART DIGITALISATION

GCIT Hack! 2022

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GCIT Hack! 2022

Stage 1

10-28 October 2022

G-Tech Competition

Stage 2

12 November 2022

48 Hours Hack!

[More](#)



GCIT Hack! 2022

THEME: GCIT HACK! SMART DIGITALISATION



Stage 1

10 - 28 October 2022
G-Tech Competition



- Open to all GCIT students, Yr 3 & 4 are strongly encouraged to participate
- 6 members per team
- Industry-like Problem Statements will be provided by GCIT ACAD Team:
 - Manufacturing / Agricultural
 - Telecommunication
 - Hospitality
- 6 winning teams will be selected for GCIT HACK! 2022
- Coaching and Mentoring will be provided
- A student can only be a member of one team
- No limits to the number of participating teams
- Final judging on **29 October 2022**



Stage 2

12 November 2022
48 Hours Hack!

Problem Statement by Industry Sponsors




Hack! Team 1


Hack! Team 2


Hack! Team 3


Hack! Team 4


Hack! Team 5


Hack! Team 6

Stage 1 Competition Requirements & Expectations

Timeline

- 10 Oct (Mon) : Registration begins.
- 12 Oct (Wed) : Participating team will be informed of their assigned Problem Statement.
- 29 Oct (Sat) : Final Representation to judges.
- 31 Oct (Mon) : Top 6 Hack! Teams will be announced.

Support

- Competing teams can book for Coaching & Mentoring Sessions
- Each session will last 15 mins.
- First come first serve.
- Mentors : Jigme Wangmo, Yonten Jamtsho, Sonam Wangmo, Chimi Dema, Nima Dema, Pema Yangden, Vince Lau, Pema Wangmo

Expectations

- Students will be ideating and then design their UI/UX with a Wireframe.
- The Wireframe can be produced on Figma or any other FE tools.
- High fidelity wireframe is expected to be converted to working prototype with some level of programming, at least on the FE.
- As for the backend, hard coding the backend with JSON data will be allowed.

Judging

- The judges will consist of two teams as follow :
 - Judging Team 1 – Ronnie, Mr Ong
 - Judging Team 2 – Chanon, Sheendie

Stage 1 Competition Requirements & Expectations

Technical

Tools

- i. Prototyping Tools: Figma or AdobeXD
- ii. IDE: Visual Studio Code

Front End Technologies

- i. Responsive Web Design: Tailwind CSS or Bootstrap Framework
- ii. Coding: HTML, CSS, JavaScript

Backend Technologies

- i. Database: Firebase, MongoDB, JSON, or MySQL
- ii. Coding: NodeJS, Go, Python, or PHP

Design & Prototype

- Apply user-centric design, also prioritize on:
 - Usability.
 - Visual Hierarchy.
 - Accessibility.
 - Usability.
 - Consistency.
 - Context.
 - User control.
 - Familiarity.
- High fidelity Wireframe is expected.
- Good Copywriting

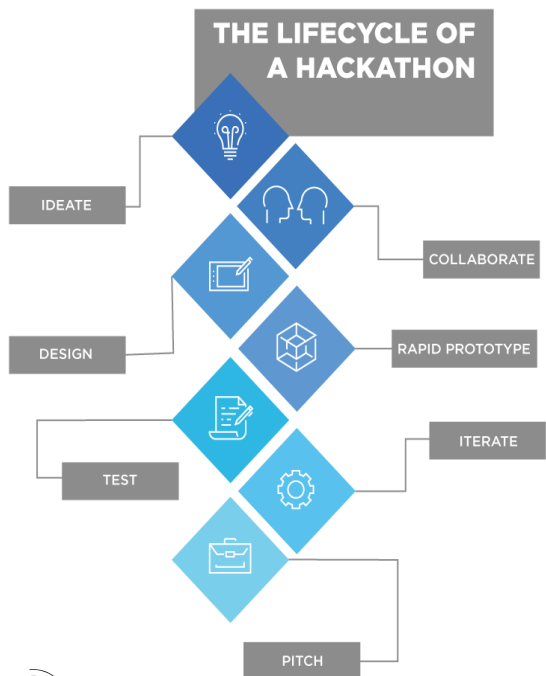
Competition Schedule

Mon	Tue	Wed	Thu	Fri	Sat	Sun
10	11	12	13	14	15	16
Competition Registration/Start		Coaching/Mentor Session	Coaching/Mentor Session			
17	18	19	20	21	22	23
		Coaching/Mentor Session	Coaching/Mentor Session			
24	25	26	27	28	29	30
		Coaching/Mentor Session	Coaching/Mentor Session		Final Presentation	

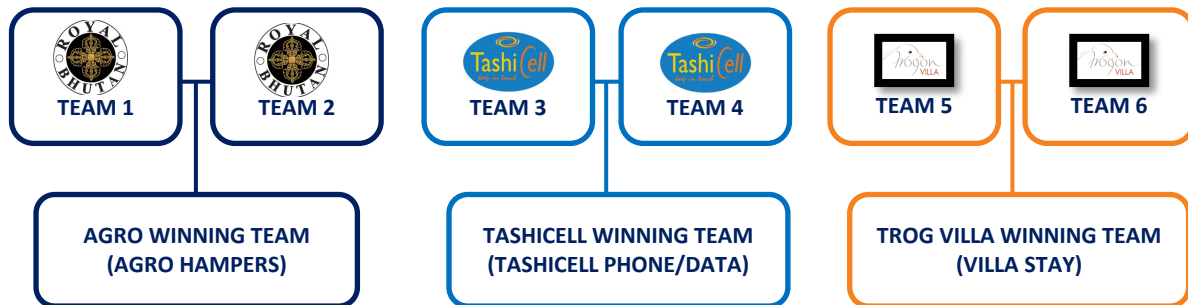
NOTE : Top 6 Hack! Team will be announced on 31 Oct 2022 Monday Assembly.

GCIT HACK! STUDENT PROCESS & PROCEDURE

STUDENT HACKATHON PROCESS



(1) GCIT HACK! PROCEDURES: INDUSTRY WINNING TEAMS



(2) GCIT HACK! FINAL ROUND: GCIT CHAMPION



BHUTAN PARTICIPATING COMPANIES



BHUTAN AGRO INDUSTRIES
• EXPORTING FRESH JUICES



TASHICELL
• 5G SERVICES & OTHERS



TROGON VILLA
• WWW RECOGNITION

PRIZES

- TBD.
- 1 new Samsung smartphone & 777 data Sim card per student
- 3D2N – All expenses paid (Trogon Villa) per student

GCIT HACK! STAFF MENTORSHIP & INVOLVEMENT



MAIN COMMITTEE

ROLES	TEAM MEMBER
GCIT HACK! LEAD	KB LEE
GCIT HACK! STUDENT SERVICES	TSHERING ZANGMO
GCIT HACK! ADMIN SUPPORT	TSHERING DORJI
GCIT HACK! STAFF MENTOR: AGRO	SONAM WANGMO
GCIT HACK! STAFF MENTOR: TROGON VILLA	JIGME WANGMO
GCIT HACK! STAFF MENTOR: TASHICELL	YONTEN JAMTSO
OVERALL TECHNICAL GUIDANCE MENTOR	RONNIE & CHANON
OVERALL DESIGN & PROTOTYPE MENTOR	ONG KEAN TAT & SHEENDIE

JUDGING COMMITTEE

INDUSTRY	JUDGE TITLE
TASHICELL	CEO TASHI ZANGPO CHIEF STRATEGY JAMYANG
BHUTAN AGRO INDUSTRIES	CEO & MANAGERS
TROGON VILLA	FOUNDER HISHEY TSHERING
GCIT HACK! FINAL CHAMPION TEAM	1 JUDGE PER INDUSTRY & GCIT PRESIDENT

GCIT Hack! 2022

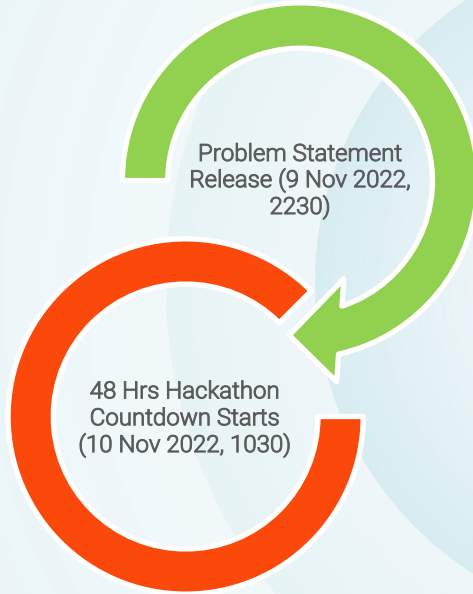
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By 12 Nov 2022



- Industry Problem Statements
 - Manufacturing (Agri)
 - Telecommunication
 - Hospitality
- Each industry vertical will have 2 Hack! Teams competing.
- Round 1 Judging : A winning Hack! Team per industry vertical will be identified.
- Round 2 Judging : One Hack! Team will be crowned the Champion of the inaugural GCIT Hack! 2022.

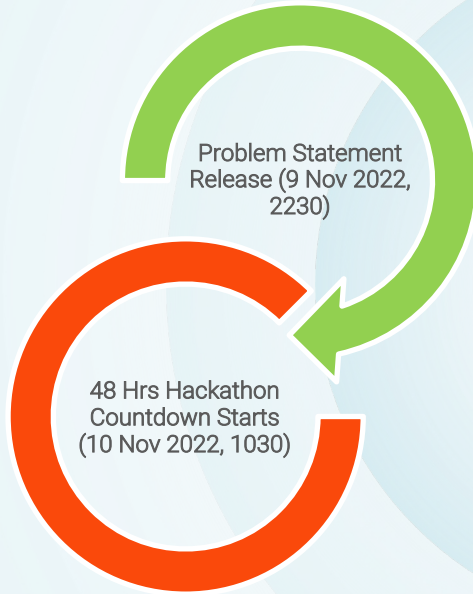
Proposed GCIT Hack! Day Agenda



12 Nov (Sat)

12 Nov (Sat)	
0930	Arrival of VIPs & Judges
1000	Welcome Speeches
1030	Hack Team Presentation Round #1 Per Team : 15 mins - presentation 5 mins - Q&A
1130	Short Break 5 mins
1135	Hack Team Presentation Round #2 Per Team : 15 mins - presentation 5 mins - Q&A
1235	Judging Deliberation Time
1250	Announcement of Winner per industry vertical
1300	Lunch Break

Proposed GCIT Hack! Day Agenda



12 Nov (Sat)	
1430	Arrival of Final Round Judges
1445	Winning Hack Team Presentation Final Round Per Team : 15 mins - presentation 5 mins - Q&A
1545	Judging Deliberation Time
1600	Announcement of GCIT Hack! 2022 Champion