K S INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & DESIGN
REPORT ON TECHNICAL TALK
"Innovation and Problem solving in Hackthons"

Semester:	3rd Semester
Event Type:	Technical Talk
Event Name:	**Innovation and Problem solving in Hackthons"**
Date/Duration:	26-07-2023
Associated Professional Bodies	IEI, Adroit Club
No. of Students:	67
Speaker Details:	
Online link/Offline:	Offline

Event Objectives:

i) To provide deep insight about "Innovation and problem solving in Hackathons".

ii)To provide insight about "Design thinking" .

iii)To Provide knowledge about "SMART INDIA HACKATHONS".

iv)To Provide basic understanding of steps involved in Problem solving in Hackathons.

Event description with pictures:

Fig1. Principal welcoming Mr. Shashank Krishna

"Innovation and problem solving in hackathon" a Technical talk was organized by the Head , Dr Deepa S R of the Department of "Computer Science and Design" on 8 July 2023.

The event started with the welcome address by the Principal of KSIT Dr.Dilip Kumar K.

Fig:2 Welcome address

The two Hour session was led by renowned expert **Mr Shashank Krishna,** Sir is an evaluator and a mentor for **" Smart India Hackathons"** and a Member of interpole world 2019 Drone working group.

He has received many awards for his contribution to the society, he was also a nominee for Padma Shri 2020 for his work in the field of Science and Engineering.

During this session speaker covered several topics starting with Design thinking.

Speaker explained students Design thinking is not just about having an idea about design and giving the solution to it but it should be done in a particular order where it satisfy the different design thinking steps that includes ,

- **Empathice :where one needs to collect information about what exactly then need to find solution for.**
- **Define :Ease in which they need to define the problem statement clearly.**
- **Ideate: In which they need to figure about the different solutions that can help solve the problem and in that select the one which is more efficient.**
- **Prototype: Is to check if the solution is working out better or if there as to be any changes to be made and lastly ,**
- **The Test :where they get feedback for the solution found to see if it can be improved .**

Speaker spoke about the Innovation. "Innovation is thinking out of the box". It is to make a particular thing innovative yet keeping Its functionality unaffected. He took the example of a phone case where it has a magnetic disc attached to it which helps to charge wirelessly also at the same time it protects the phone Speaker also mentioned the different criteria any innovation has to satisfy. Firstly it should be user friendly and Modifiable.

Fig3: Speaker Shashank Krishna

Hackathon is a social coding event that brings the computer programmers and other interested people together to improve upon and build a new software program and hardware components as well.

In this way people solve and find solution to different problem statement which is more simple and efficient. Speaker told the students the importance of why one must participate and how it is going to help one in different aspects like employment knowledge etc.

Fig 4: Students listening to the talk

Mr Shashank gave a deep insight about the different steps of Design thinking and the criterias of Innovation . He gave knowledge about the different rules one must follow during the Hackathon.

i. It could be one it could be one's behaviour, Team work ,The document submission which include simplest thing like mentioning the problem statement correctly, The knowledge about their work etc.

He told students one of the most important key is to keep the solution reality.

Then during the end of the session he briefed about the "Smart India Hackathon" throw a small video. Students were exposed to the working environment .

The Session ended by Q&A session by Speaker **Shashank Krishna** and Vote of thanks by the Department event co-ordinator **Prof Sushma A.**

EO#	EVENT OUTCOMES
EO1	Understand the basics of
EO2	Understand
EO3	Understand
EO4	Gain awar

EO-PO Mapping

EO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
EO1	2	2	2	-	-	2	2	-	2	-	-	2	1	1
EO2	2	2	2	-	-	2	2	-	2	-	-	2	1	1
EO3	2	2	2	-	-	2	2	-	2	-	-	2	1	1
EO4	2	2	2	-	-	2	2	-	2	-	-	2	1	1
	2	2	2	-	-	2	2	-	2	-	-	2	1	1

3	Substantial (High) Correlation
2	Moderate (Medium) Correlation
1	Slight (Low) Correlation
-	No correlation.

PO's Attained: PO1, PO2, P03, PO6, PO7, PO9, PO12

PSO's Attained: PSO1, PSO2

HoD   **Principal**