Brief Report on

Out of the box thinking for problem solving

(28th June, 2022)

Institution's Innovation Council (IIC),

KITS Warangal

&

Centre for Innovation, Incubation, Research & Entrepreneurship (C-I²RE)

KITS Warangal

sponsored by

AICTE / MoE's Innovation Cell (MIC)

Ministry of Education
Government of India
MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)
AICTE
SESSION ON
OUT OF THE BOX THINKING FOR PROBLEM SOLVING
TUESDAY
28th-JUNE 2022
TIME
2:00 PM - 3:00 PM
PROF. V KAMAKOTI
DIRECTOR, IIT MADRAS
JOIN US ON LIVE /MHRDINNOVATIONCELL
/MHRDINNOVATION
/MHRD_INNOVATION
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1. Poster

2. Circular

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE – WARANGAL
(An Autonomous Institute under Kakatiya University, Warangal)
Centre for I²RE-KITS Warangal
Institution's Innovation Council (IIC 4.0)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

No: C-I²RE/IIC 4.0/2021-22/13 **Date: 27-06-2022**

Circular

Sub: - Request to circulate the information of *Out of the box thinking for problem solving* to Faculty & Students, reg.,

Greetings everyone!

As part of IIC 4.0, we need to conduct *mandatory activities released by Ministry of Innovation Council (MIC) -India* from time-to-time for scoring marks and to get good star rating for our institute.

On 24th June, 2022 MIC has shared the details of following MIC driven activity to participate in this month.

1. Session on "Out of the box thinking for problem solving" by Prof. V. Kamakoti, Director, IIT Madras on 28th June 2022 from 2.00PM to 3.00PM [YouTube live session at https://www.youtube.com/watch?v=woztcDDbi74].

All the faculty coordinators are requested to share the information to their faculty and students and inform them to attend the session in online mode without fail.

It is also requested that; the faculty and students have to share the screenshot(s) [2 to 5] captured while attending the event using the following google form along with their details for preparing and submitting the report to MIC-India in our institute IIC portal.

S. No.	Event name	Google form link for uploading photos.
1	Session on "Out of the box thinking for problem solving (28th June, 2022)	https://forms.gle/oLnGqPJqYQqyXGHw5

Thank you very much everyone for your coordination.

Sri. K. Ajith
Convenor, IIC, KITSW

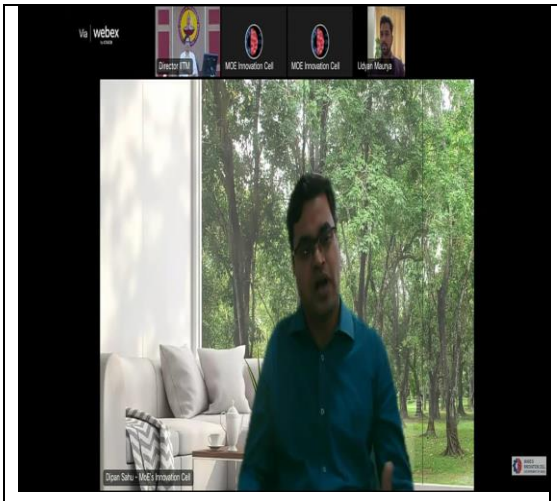
Dr. S. Sunil Pratap Reddy
President, IIC, KITSW

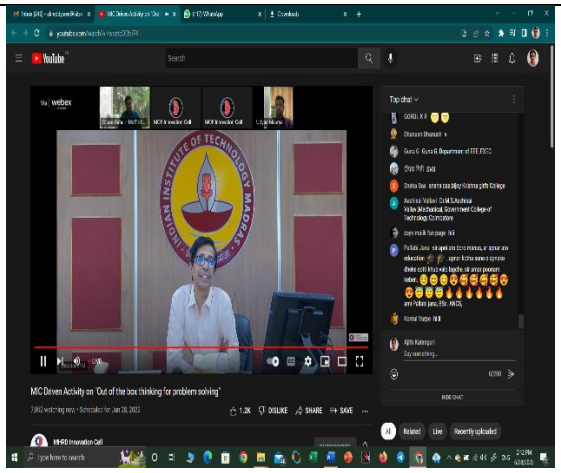
Dr. P. Srikanth
Head, Centre for I²RE, KITSW

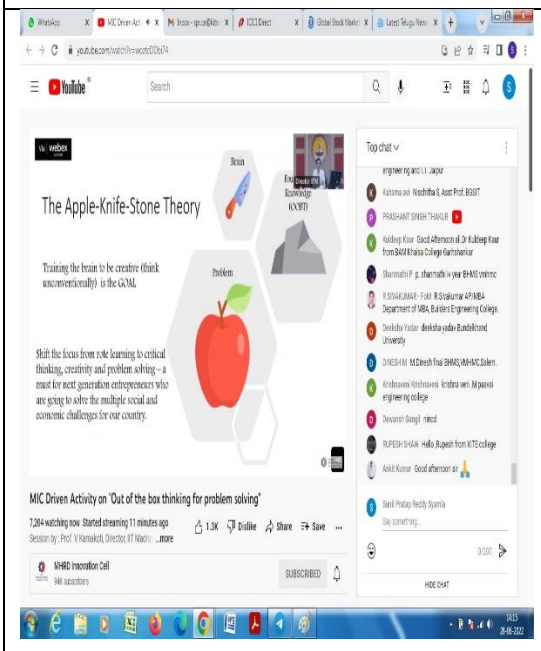
3. List of Participants

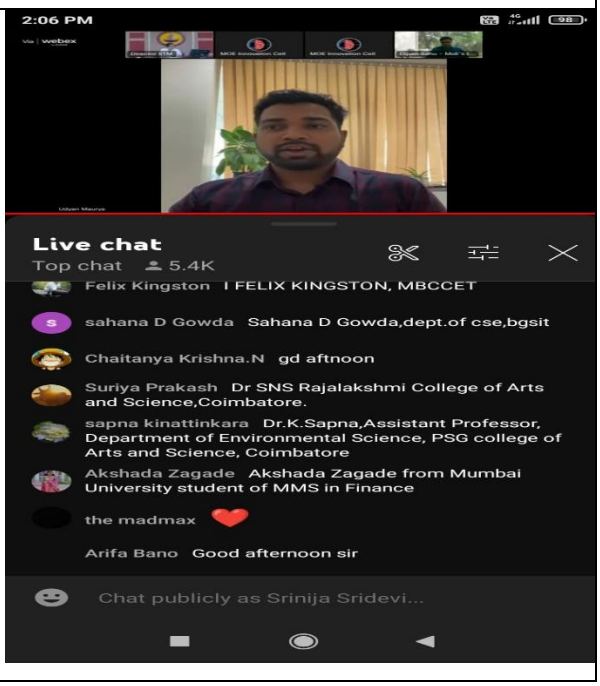
S. No.	Participant Name	Roll number / Employee ID number	Department	program and year of study
1.	KATANGURI AJITH	S0972	EEE	
2.	G. SUNIL KUMAR	S0976	EEE	
3.	KANIKARAM RAKESH	B20EE077	EEE	B.TECH. SECOND YEAR
4.	K. Kishor Kumar	S0848	MECHANICAL ENGINEERING	
5.	MD.ASLAM SHAREEF	B21EE086	EEE	B.TECH FIRST YEAR
6.	PITTALA ANIL KUMAR	S1141	MECHANICAL ENGINEERING	
7.	Ashadapu Ansika	B20ce032	CIVIL	B.TECH SECOND YEAR
8.	S SUNIL PRATAP REDDY	S1150	CIVIL	
9.	S SUNIL PRATAP REDDY	S1150	CIVIL	
10.	Kodam Goutham Raju	S1252	IT	
11.	Thallapally Manisha	B20EE111	EEE	B.TECH SECOND YEAR
12.	KOMATI SHARATH CHANDRA	B20CN063L	CSE (N)	B.TECH FOURTH YEAR
13.	SOUMITHRI SRINIJA	B20EE095	EEE	B.TECH THIRD YEAR
14.	Kodati Indu	B21EE044	EEE	B.TECH FIRST YEAR
15.	L HIMA VARSHA	B19EE032	EEE	B.TECH THIRD YEAR
16.	PILLAI KOUSHIK KAMAL	B19EE001	EEE	B.TECH THIRD YEAR
17.	BARKKAM SUPRATHIKA	B20EE088	EEE	B.TECH THIRD YEAR
18.	Apaka sangeetha	B20EE098	EEE	B.TECH SECOND YEAR
19.	N Srikanth	S0974	CIVIL	
20.	B. Jagadish Kumar	S0679	EEE	

Screenshots from participants









2:13 PM
Out of the Box Thinking Through Mathematics
(An Initiative of IITM Pravartak Technologies Foundation to nurture young minds)
IITM Pravartak is a Section 08 not-for-profit foundation of IIT Madras
MIC Driven Activity on "Out of the box thinking for problem solving"
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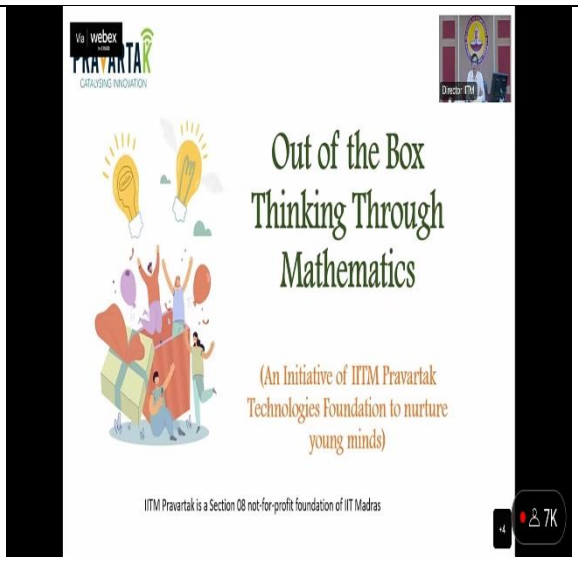
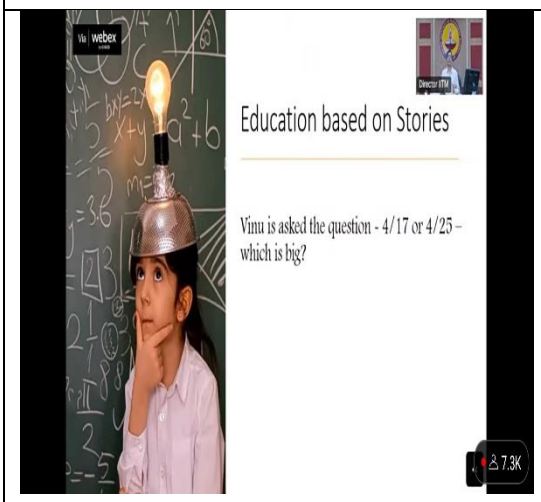
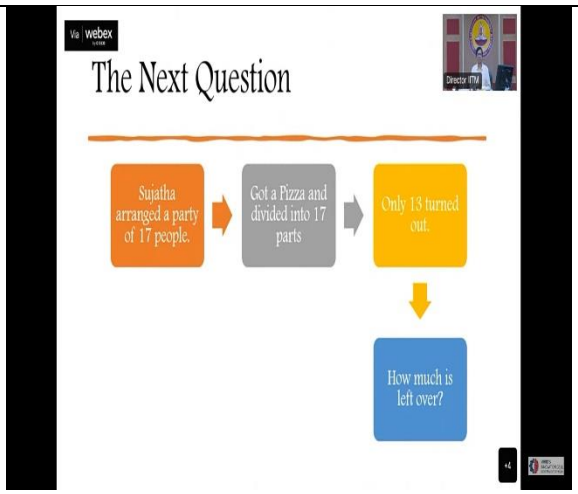
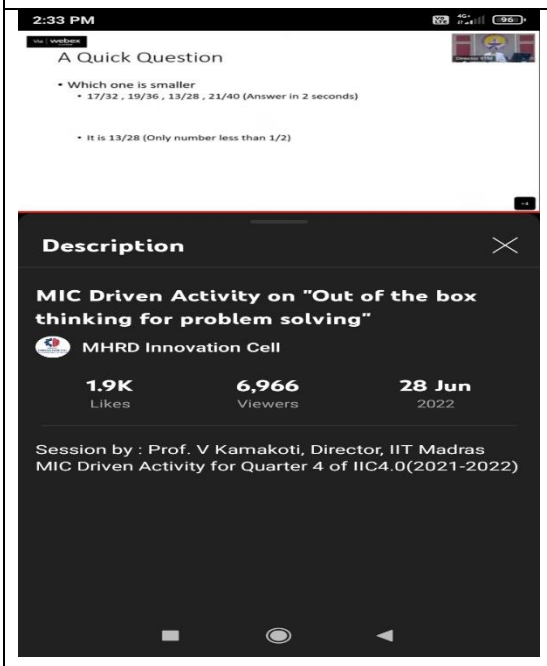
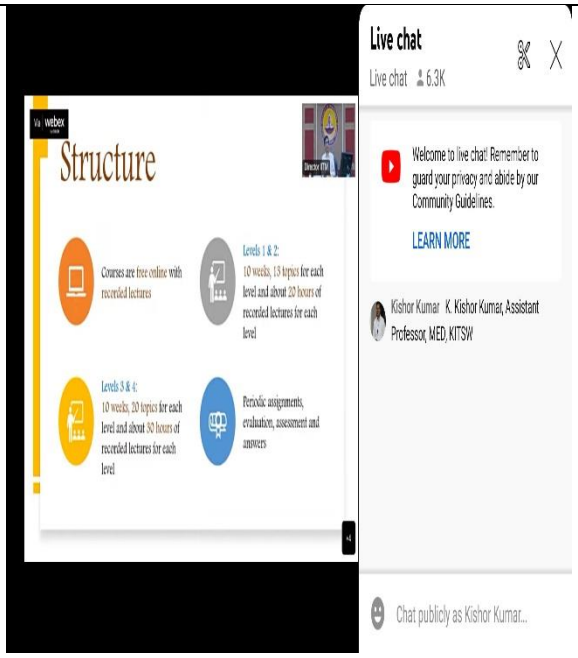

Out of the Box Thinking Through Mathematics
(An Initiative of IITM Pravartak Technologies Foundation to nurture young minds)
IITM Pravartak is a Section 08 not-for-profit foundation of IIT Madras
7K


Education based on Stories
Vinu is asked the question - 4/17 or 4/25 – which is big?
7.3K


The Next Question
Sujatha arranged a party of 17 people.
Got a Pizza and divided into 17 parts
Only 13 turned out.
How much is left over?


2:33 PM
A Quick Question
Which one is smaller
17/32 , 19/36 , 13/28 , 21/40 (Answer in 2 seconds)
It is 13/28 (Only number less than 1/2)
Description
MIC Driven Activity on "Out of the box thinking for problem solving"
MHRD Innovation Cell
1.9K
Likes
6,966
Viewers
28 Jun
2022
Session by : Prof. V Kamakoti, Director, IIT Madras
MIC Driven Activity for Quarter 4 of IIC4.0(2021-2022)


Structure
Courses are free online with recorded lectures
Levels 1 & 2:
10 weeks, 13 topics for each level and about 20 hours of recorded lectures for each level
Levels 3 & 4:
10 weeks, 20 topics for each level and about 30 hours of recorded lectures for each level
Periodic assignments, evaluation, assessment and answers
Live chat
Live chat 6.3K
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Kishor Kumar K. Kishor Kumar, Assistant Professor, MED, KITSW
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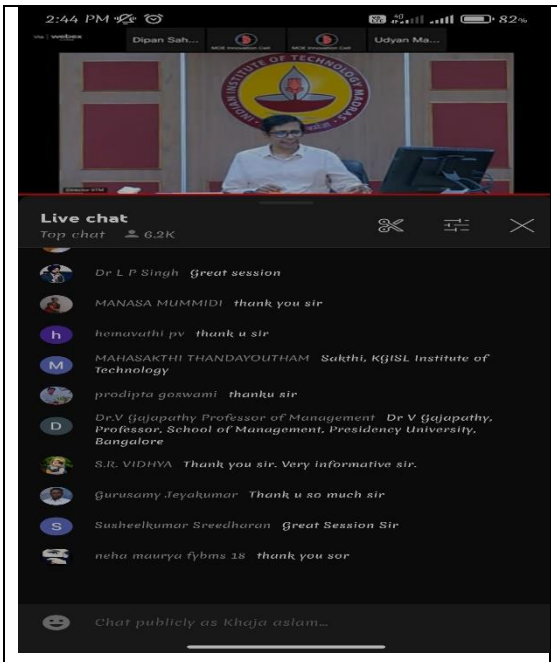
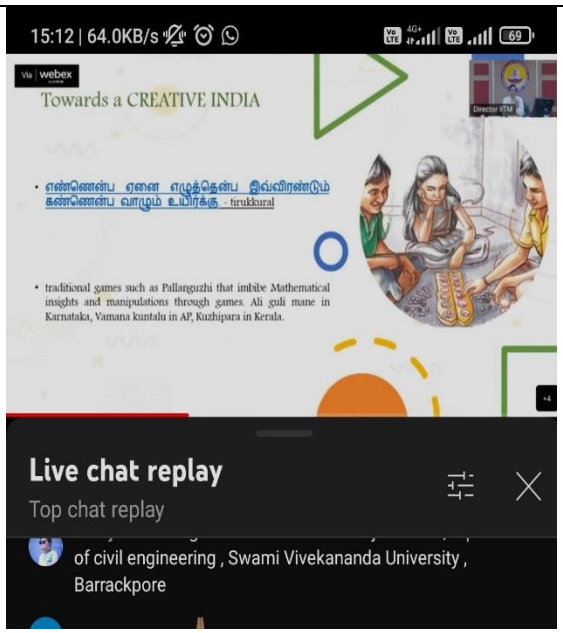

Live chat
Top chat
6.2K
Dr L P Singh Great session
MANASA MUMMIDI thank you sir
hemavathi pv thank u sir
MAHASAKTHI THANDAYOUTHAM Sakthi, KGiSL Institute of Technology
prodipta goswami thanku sir
Dr.V Gajapathy Professor of Management Dr V Gajapathy, Professor, School of Management, Presidency University, Bangalore
S.R. VIDHYA Thank you sir. Very informative sir.
Gurusamy Jeyakumar Thank u so much sir
Susheelkumar Sreedharan Great Session Sir
neha maurya fybms 18 thank you sor
Chat publicly as Khaja aslam...


Towards a CREATIVE INDIA
எண்ணென்ப ஏனை எழுத்தென்ப இவ்விரண்டும் கண்ணென்ப வாழும் உயிர்க்கு - tirukkural
traditional games such as Pallanguzhi that imbibe Mathematical insights and manipulations through games. Ali guli mane in Karnataka, Vamana kuntalu in AP, Kuzhipara in Kerala.
Live chat replay
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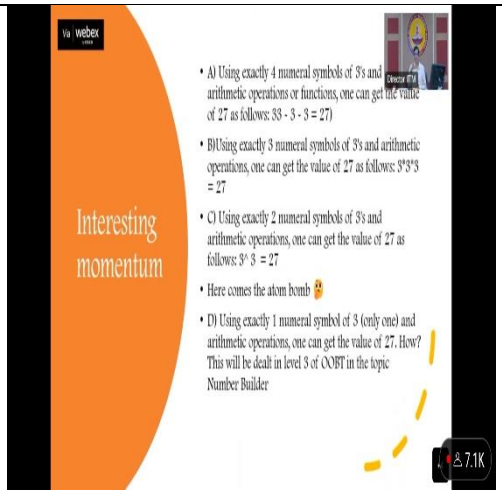
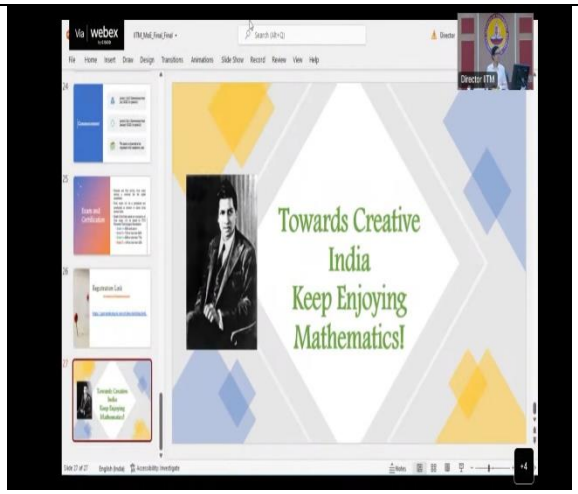
of civil engineering , Swami Vivekananda University , Barrackpore

The Next Question
Is 13/17 greater than 21/25 ?
Instead of division the brain will start thinking as follows

Story Telling – Paati and pongal
8 more grand children arrive on Day 2
Same amount of Pongal distributed to 25 Grandchildren on Day 2
Each will get 4/25
Which day Vinu got more?


Interesting momentum
A) Using exactly 4 numeral symbols of 3's and arithmetic operations or functions, one can get the value of 27 as follows: 33 - 3 - 3 = 27)
B)Using exactly 3 numeral symbols of 3's and arithmetic operations, one can get the value of 27 as follows: 3*3*3 = 27
C) Using exactly 2 numeral symbols of 3's and arithmetic operations, one can get the value of 27 as follows: 3^ 3 = 27
Here comes the atom bomb
D) Using exactly 1 numeral symbol of 3 (only one) and arithmetic operations, one can get the value of 27. How? This will be dealt in level 3 of OOBT in the topic Number Builder


Towards Creative India
Keep Enjoying Mathematics!