

## **MIC DRIVEN ACTIVITY ON 'OUT OF THE BOX THINKING FOR PROBLEM SOLVING'**

DATE- 28/06/22 - by Prof. V KAMAKOTI.

Problem solving course was presented to our IIC members by IIT Madras. The following points were covered in this programme:

- Goal- Training the brain to be creative, thinking unconventionally using arithmetic operations
- Shift the methods from passive learning to critical thinking, must for next generation entrepreneurs
- Traditional games- aliguli, vamanakuntalu, kuzhipara inculcate strategical planning and mathematical skills
- Mathematical riddles to engage brain in analytical thinking
- Education based in stories- story telling as a means of stimulating the brain, especially for complicated arithmetic operations
- Mathematical training required in multidisciplinary fields in the modern world

Multiple levels of course ranging from class 5<sup>th</sup> students to professionals with free registration, duration of 100 hours with multiple levels and assignments, all courses online and can be done from home starting from 13<sup>th</sup> July, 2022. This facility may be availed by our members too.



Ministry of  
Education  
Government of India



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



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   /MHRDINNOVATIONCELL



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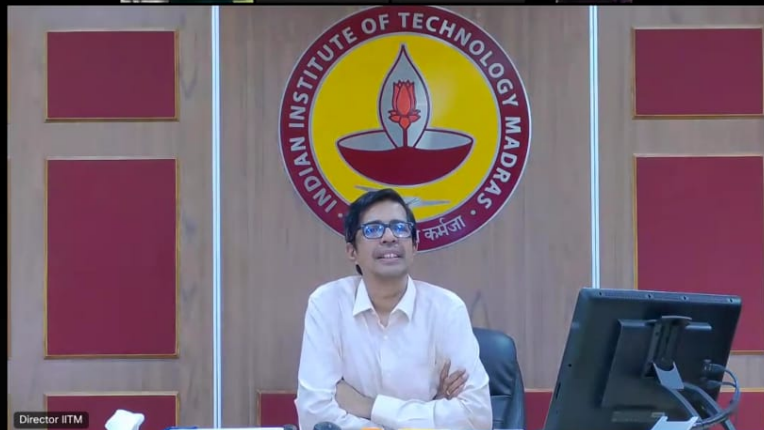


## Story Telling – Pongal



- 17 Grandchildren arrives at the village on Day 1.
- Vinu is one of them
- 4 pots of Pongal distributed to 17 Grandchildren on Day 1. Each get  $\frac{4}{17}$

+4



## Commencement



Levels 1 & 2: Commences from July 2022 (in parallel)



Levels 3 & 4: Commences from January 2023 (in parallel)



The same is planned to be repeated every academic year



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## Few Topics



Level 1: Puzzle Maths, Cow grass Theory, the sequence,...



Level 2: Frog Jumping Theory, Cows and Bulls, Story Math,...



Level 3: Number builder, Where is my friend  $x?$ , A jolly ride with Modulo,...



Level 4: The Graphman, Chasing the Ratio, Colouring Math,...



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## Benefits



The unique courses present multiple approaches to problem solving, debunking the myth that problem solving is for the elite.



It introduces new techniques in an easy-to-understand fashion; prepare the users to face real life projects with confidence and ease.



These different innovative thinking are needed to make the children of India to become Entrepreneurs to bring up new simpler solutions for our socio-economic problems.



A very good aid to cracking many International Olympiad and competitive exams

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## 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

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# Attendance

Sl No	Name	Department	Designation	Signature
1.	Dr. TM NAGARAJ	ENT HNS	Prof & HOD	Nagaraj IR.
2.	Dr. K. Sri RANGAPPA	ENT	Prof	K. Ranga
3.	Dr. Girish F. Hongal	ENT	Professor	Girish
4.	Dr. Rajw SR	ENT	Assoc. Prof.	Rajw
5.	Dr. ASHISH	ENT	Asst. Prof	Ashish
6.	Dr. Sowmya S	ENT	Asst. prof	Sowmya
7.	DR. VIGNESH	ENT	Senior Resident	Vignesh
8.	Pratima	ENT	PG	Pratima
9.	Dr. Sindhuja	ENT	PG	Sindhuja
10.	Dr. Yoshitha	ENT	PG	Yoshitha
11.	Dr. MANOHAR R	ENT	PG	Manohar
12.	Dr. Manali	ENT	Pg.	Manali
13.	Dr. ELZA	ENT	PG	Elza
14.	Dr. Shreya	ENT	PG	Shreya
15.	Dr. Ashu	ENT	PG	Ashu
16.	Dr. Dinesh	ENT	Asistent Prof	RDinesh
17.				
18.				
19.				
20.				