

Sri Venkateswara College of Engineering

Department of Information Technology



Workshop on "Design Thinking, Critical Thinking, and Innovative Design" in association with IIC-SVCE & SVCE-EPIC

A Report

August 25, 2023

Submitted to the principal

[Signature]
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To: HO-D-INT
Noted 1
26/9/23

Sri Venkateswara College of Engineering

Department of Information Technology

A Report on Workshop on “Design Thinking, Critical Thinking, and Innovative Design”

Date: August 25, 2023

Venue: Seminar Hall, Dr. AC Muthiah Central Library

Speaker:

Dr. Chockalingam Aravind,
Associate Professor & Director, Clean Technology Impact Lab,
Taylor’s University, Malaysia

Agenda

1. FN – Workshop for students on “Design Thinking”
2. AN - Workshop for members of the faculty on “Design Thinking, Critical Thinking and Innovative Design”

Objectives:

- To give an exposure to Design Thinking to students
- To enable the faculty to apply design thinking and critical thinking in innovation

Event Recordings

Dr. Chockalingam Aravind Vaithilingam, Director, Clean Technology Impact Lab, Taylor’s University, Malaysia, Dr. V. Vidhya, HOD/INT, and Dr. Sukumar, the Assistant HOD/INT, honored the dais.

Mr. E Sivakumar AP/INT welcomed the gathering and thanked Dr.Aravind for his gracious acceptance to offer the workshop. Dr. V. Vidhya mentioned that the college has signed an MoU with Taylor’s University and the workshop is conducted as a part of the MoU. She introduced the chief guest and listed his profile and achievements in brief. She extended a warm welcome to the gathering.

FN session

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Department of Information Technology

Dr. Aravind delivered his talk to the students on Design Thinking. The entire session was interactive. The following are the takeaways from the session.

- Design Thinking is the process of designing the thinking process
- The ability to think out-of-the box
- The process of analyzing What, Why and How. Humans transform from thinking How to What in the course of age.
- Intellectual Quotient, Emotional Quotient, Resilient Quotient, and Social Quotient.
- PULL and PUSH approaches

The session was concluded with a thanks note from Dr. Vidhya, HOD/INT.

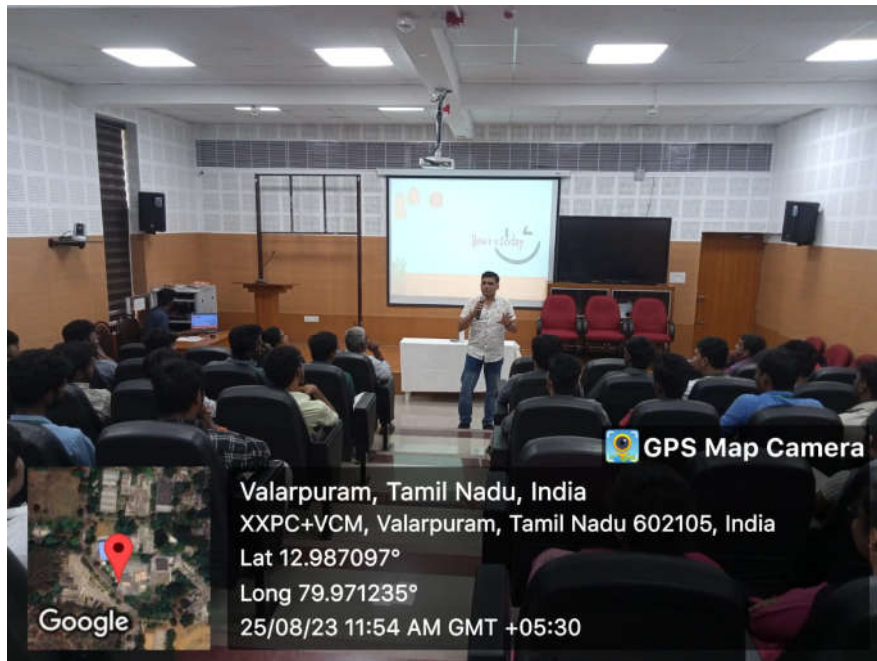


Figure 1: FN session

AN session

The speaker addressed the following to the members of the faculty in the AN session.

- Having an open mindset to work under various scenarios
- Challenge assumptions and redefine problems to arrive at solutions
- Critical thinking is to analyze the issue and arrive at solution

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- Strategic plan is required to achieve a goal effectively. The participants were engaged in an activity as a single team and the effectiveness was measured as the time taken to complete the task at the first attempt and the subsequent attempts. The team was able to achieve the speed twice in the second attempt.
- Individual contribution is important in a Team's success. The participants were engaged in an activity as a two teams and assigned a task using papers. The speaker pointed that the outcome would have been better if all the members participated effectively.
- The speaker mentioned that when a task performed repeatedly, the brain adapts to the pattern and works faster. He also insisted to comprehend the brain and not to challenge it. When challenged, it behaves the opposite way.
- He collected individual survey from the participants on how they are influenced by others in day-to-day activities and facilitated to interpret the scores to their behavior. He took random samples of scores and suggested either PUSH or PULL to be applied. 95% of our daily activities are controlled by others; 5% is the difference made by the individuals.

The session came to an end with Me. E Sivakumar, AP/INT delivering the Vote of Thanks.

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Department of Information Technology

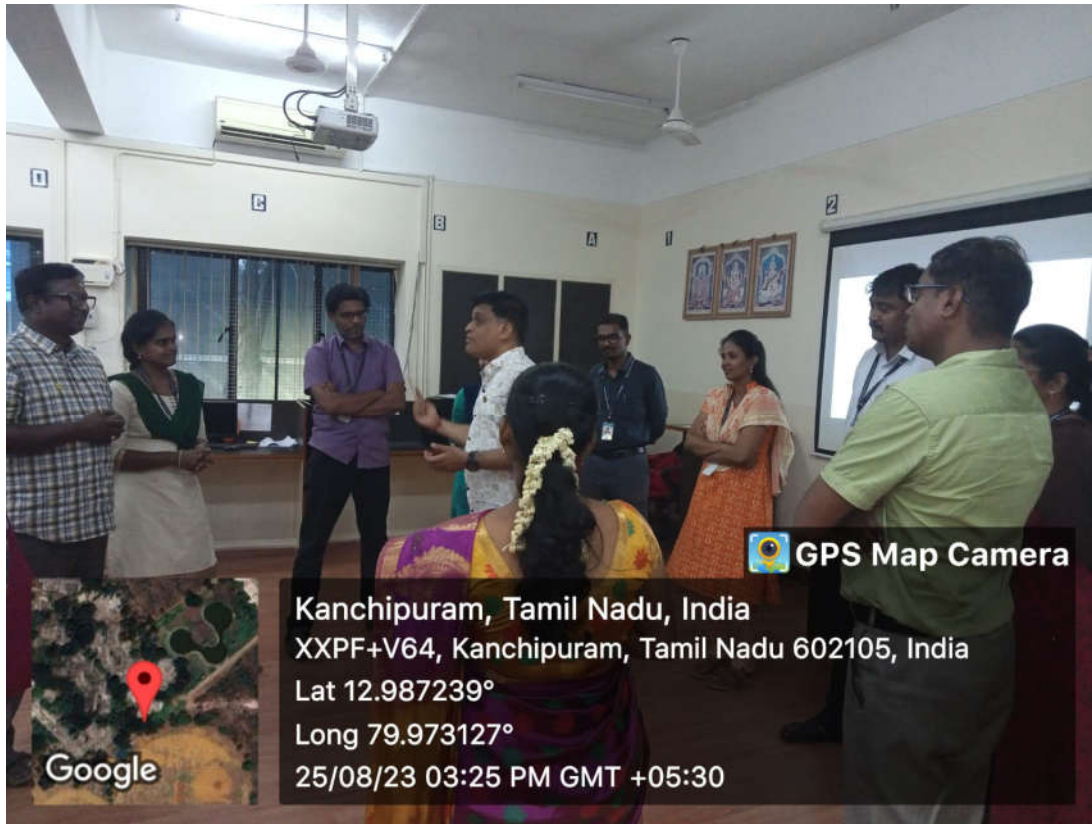


Figure 2: FDP AN session

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Department of Information Technology

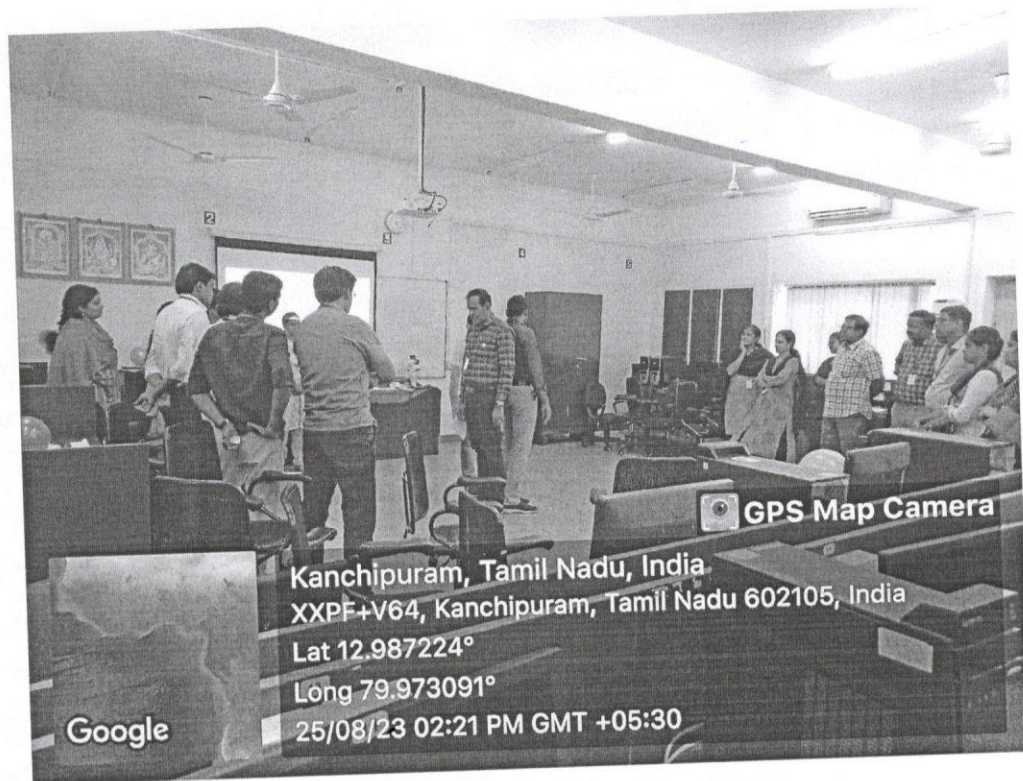


Figure 3: FDP AN session

FDP Outcomes

- Apply Design thinking process
- Holistic understanding of Design and Critical thinking for innovation
- Scope for setting up Design Thinking laboratory, Credit Exchange Program, Value Added Courses and Adjunct Faculty

Participant count:

Students : 43

Faculty : 25



Coordinators

Dr. V. Vidhya, HOD/INT

Mr. E. Sivakumar, AP/INT


HOD/INT

Sri Venkateswara College of Engineering

Department of Information Technology

Workshop on "Design Thinking, Critical Thinking, and Innovative Design"

Attendance

August 25, 2023 FN

| SNo | Name | Yr/Sec | Signature |
|-----|----------------------|---------|-------------|
| 1 | ASHWIN MP | III / A | Ashwin |
| 2 | HEMA B | III / A | B.H. |
| 3 | DILIP KUMAR J | III / A | Dilip |
| 4 | HARINI PADMA M. | III / A | Harini |
| 5 | L. KRITHIKA | III / A | L.Krithika |
| 6 | P. Logeswar | III / A | P. Logeswar |
| 7 | BHASKAR .G | III / A | Bhaskar |
| 8 | LOHITH . G.T | III / A | G.T. Lohith |
| 9 | AYYANAR . P | III / A | Ayyanar |
| 10 | R. V. DHARUN DAKSHAN | III / A | R.V. Dhaksh |
| 11 | DHARSHAN . D | III / A | Dharshan |
| 12 | AJAY . R | III / A | Ajay |
| 13 | JEBIN S | III / A | Jebin |
| 14 | Karthiravan . M | III / A | Karthiravan |
| 15 | K. Chithraprabakaran | III / A | K. Chithra |
| 16 | S. Lakshman Rejza | III / A | S. Lakshman |
| 17 | Girivasan SA | III / A | Girivasan |
| 18 | Ganapathi SR | III / A | Ganpathi |
| 19 | Gopinath S | III / A | Gopinath |
| 20 | Aravind M | III / A | Aravind |
| 21 | Dharmish P | III / A | Dharmish |
| 22 | Devin | III / A | Devin |
| 23 | Harishvar R | III / A | Harishvar |
| 24 | Ashwin R | III / A | Ashwin |

| SNo | Name | Yr/Sec | Signature |
|------------------|-----------------------------------|--------|-----------------|
| 35 25 | KAR Harshith Manoharan | III IA | Harshith |
| 26 | Adithyan Sivkant | III IA | adithyan |
| 27 | Abinash V | III IA | Abinash |
| 28 | Aswath Kumar S S | III IA | Aswath |
| 29 | Jeffrin Sam J | III IA | Jeffrin Sam |
| 30 | Fathima Abra. S | III IA | Fathima Abra |
| 31 | Aishwarya S | III IA | Aishwarya |
| 32 | R. Adithyanam | III IA | Adithyan |
| 33 | V. Harish Ragharan | III IA | V. Harish |
| 34 | C.R. Sarathkumar | III IA | Sarathkumar |
| 35 | Abhishek K. B | III IA | Abhishek |
| 36 | Jaswant R | III IA | Jaswant |
| 37 | Charishma keddy A | III IA | A. Ch |
| 38 | Manisham | III IA | Manisham |
| 39 | Keerthana M | III IA | Keerthana |
| 40 | Kaushek VS | III IA | Kaushek |
| 41 | P. Keerthana | III IA | P. Keerthana |
| 42 | R. E. Keerthana | III IA | R. E. Keerthana |
| 43 | Humaira Zamsak | III IA | Humaira |

Handwritten signature and date at the bottom right of the page.



Sri Venkateswara College of Engineering

Department of Information Technology

August 22, 2023

Submitted to the Principal

Dear Sir,

Sub: Requesting permission to conduct a one-day workshop on August 25, 2023

The department of Information Technology in association with IIC-SVCE is planning to conduct a one-day workshop on “**Design Thinking, Critical Thinking, and Innovative Design**” for students and members of the faculty across the departments on **August 25, 2023 at Central Library Seminar Hall**. Dr. Chockalingam Aravind Vaithilingam, Director, Clean Technology Impact Lab, Taylor’s University, Malaysia will be the speaker for the event. Your permission to conduct the same is kindly requested.

Coordinators

Dr. V Vidhya, HOD/INT

Mr. AR Guru Gokul, AP/INT

Mr E Sivakumar, AP/INT

Thanking you


22/8/23

HOD/INT

To: HOD-INT
permitted
26
22/8



SVCE Sri Venkateswara
College of
Engineering



SRI VENKATESWARA COLLEGE OF ENGINEERING

Pennalur, Sriperumbudur Taluk - 602117

DEPARTMENT OF INFORMATION TECHNOLOGY Organizes Workshop on

“DESIGN THINKING, CRITICAL THINKING, AND INNOVATIVE DESIGN”

Speaker

Prof. Dr. Chockalingam Aravind,
Director, Clean Technology ImpactLab,
Taylor’s University, Malaysia



Seminar Hall,
Dr AC Muthiah Central Library

| August 2023 | | | | | | |
|-------------|----|----|----|----|----|----|
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| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

Friday 25th Aug 2023

Register at <https://forms.gle/bzxDcqjcoUc9mWda8>

CHIEF PATRON

Prof. Dr. M. Sivanandham,
Secretary, SVHET

PATRON

Prof. Dr. S. Ganesh Vaidyanathan,
Principal, SVCE

Co-ordinators

Dr. V. Vidhya, HOD/IT
Mr. E. Sivakumar, AP/IT