

DATE: 05/09/2021

Event Coordinators

1. Mr. Omprakash Yadav

Date & Place:

Online using Google Meet

30th August 2021

**Xavier Institute of
Engineering**

Time & Place:

12pm to 1.30pm

Department:

Computer Engineering

No of participant:

59

An online guest lecture was organized for B.E Computer on the topic “*AI problem solving searching techniques and CNN applications*” and it was delivered by Mr. Amit Nerurkar who works as an **Asst. Prof. in Vidyalankar Institute of Technology, Wadala.**

The guest lecture was conducted using Google meet on 30th August 2021 and was organized by Mr. Omprakash Yadav from Computer Department. Total 59 students attended the guest lecturer and the objective of the guest lecture was to provide an insight to the final year students about the AI searching techniques and CNN .

The speaker shared his views on ‘AI problem solving searching techniques and CNN applications’. He emphasized on critical thinking and academic research. He also guided students on different algorithms involved in AI problem solving searching techniques. He also guided students for different applications involving CNN.

The students were quite amazed at the different avenues available for them and they also had an interaction with the speaker once the session ended.

Student Feedback and Benefits: The students found the session interactive and informative and it will help them in future career and also for project work.



Mr. Omprakash Yadav
Assistant Professor
Computer Dept.



Dr. Saurabh Patil
(HOD, Computer Dept)

Images of the guest lecture

Informed Search
Heuristic fn

① Minimization : no. of tiles not in place

$H(1.5) = 5$
 $H(6.5) = 0$

② Maximization

③ Manhattan distance

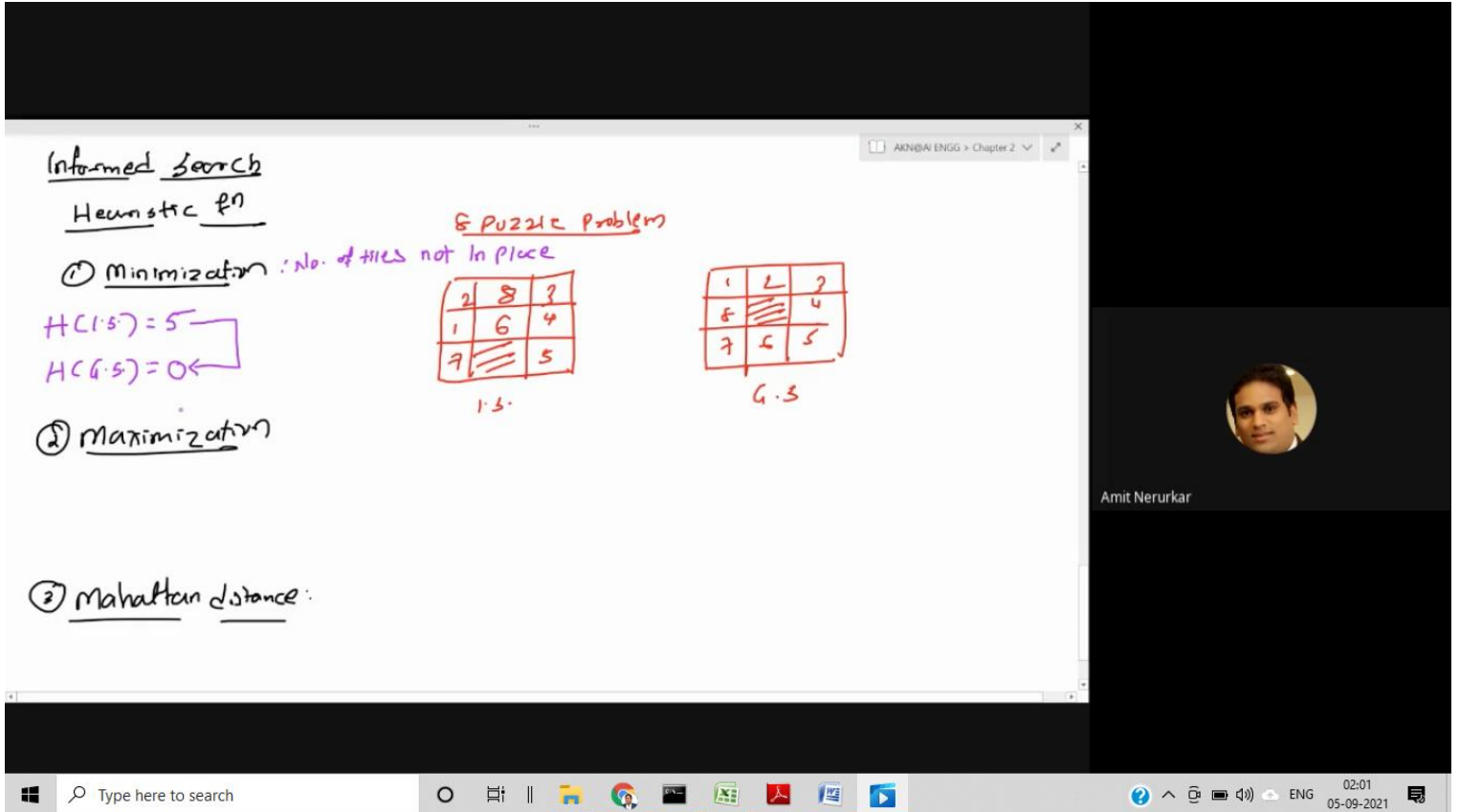
8 Puzzle Problem

2	8	3
1	6	4
7	5	5

1.5

1	2	3
6	5	4
7	5	5

6.5



The slide shows handwritten notes on a presentation background. It defines 'Informed Search' and 'Heuristic fn'. It lists three types of heuristics: Minimization (number of tiles not in place), Maximization, and Manhattan distance. It provides an example for the 8-puzzle problem with two states: 1.5 and 6.5. State 1.5 is a 3x3 grid with tiles 2, 8, 3 in the top row, 1, 6, 4 in the middle, and 7, 5, 5 in the bottom. State 6.5 is a 3x3 grid with tiles 1, 2, 3 in the top row, 6, 5, 4 in the middle, and 7, 5, 5 in the bottom. The number of tiles not in place for state 1.5 is 5, and for state 6.5 is 0.



Amit Nerurkar

REC You're presenting to everyone

Recording

Sharon Mary Thomas

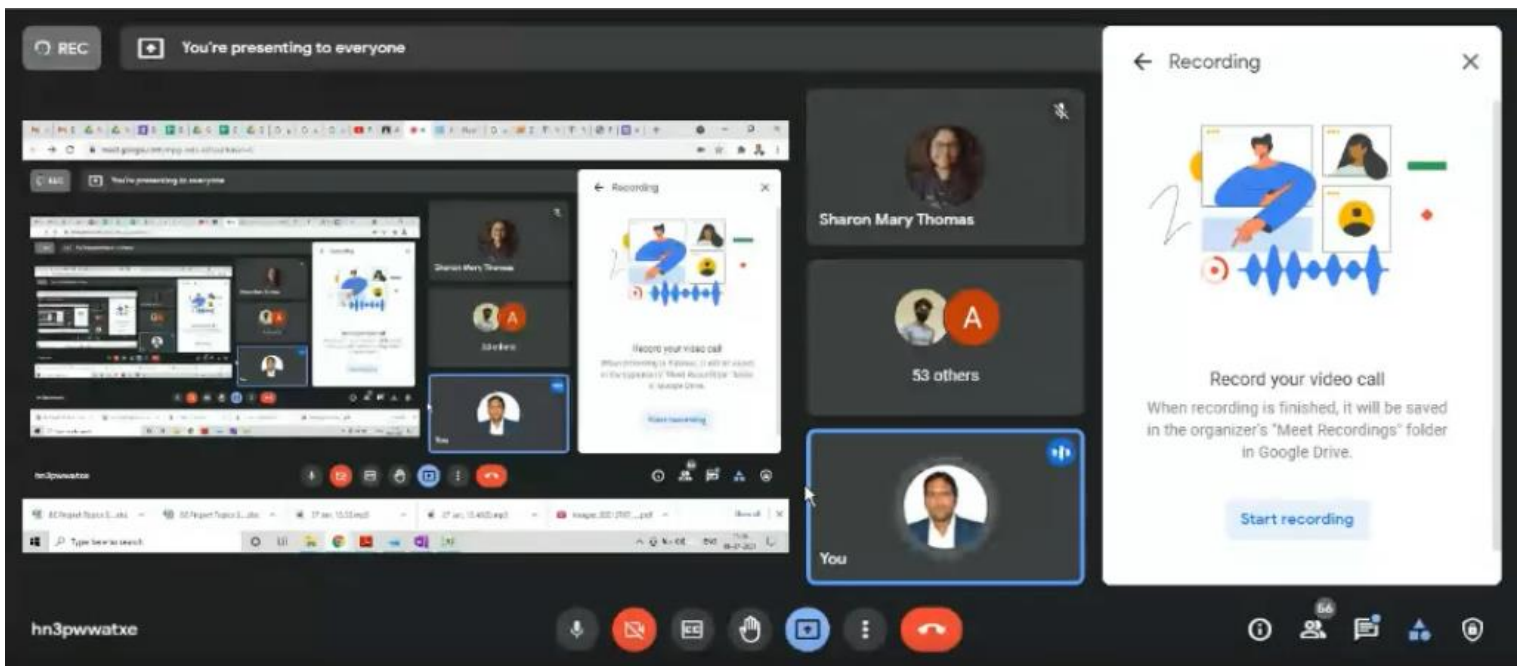
53 others

You

Record your video call

When recording is finished, it will be saved in the organizer's "Meet Recordings" folder in Google Drive.

Start recording



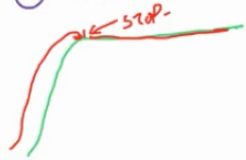
The screenshot shows a Zoom meeting interface. At the top, it says 'REC You're presenting to everyone'. A 'Recording' overlay is visible, showing a list of participants: Sharon Mary Thomas, 53 others, and You. The recording overlay also includes a 'Start recording' button and a message: 'Record your video call. When recording is finished, it will be saved in the organizer's "Meet Recordings" folder in Google Drive.' The bottom of the screen shows the Zoom control bar with icons for mute, video, chat, and other functions.

G.3.

① Local maxima



② ~~Plateau~~ Shoulder



③ Ridge



Amit Nerurkar