



CMR ENGINEERING COLLEGE

UGC AUTONOMOUS

(Approved by AICTE - New Delhi. Affiliated to JNTUH and Accredited by NAAC & NBA)



Department of Computer Science & Engineering (Artificial Intelligence & Machine Learning)

TITLE OF EVENT	:	Greedy Method and Dynamic Program Approaches
DATE OF EVENT	:	6 th May, 2022
NO. OF PARTICIPANTS	:	180
VENUE	:	A406 seminar hall, auditorium block1
COORDINATORS	:	Mrs. S.Priyanka , Mrs . T.S Suhasini
ORGANISATION	:	CMR Engineering College

DESCRIPTION

Department of Computer Science and Engineering(AI&ML) has organized a guest lecture on Greedy Method and Dynamic Programming Approaches on 6th May 2022 in Block 1 Auditorium .Mr. Abdul Bari garu hosted the event . He has started his lecture with problem statements and their solutions. He discussed algorithms like Knapsack, Prim's , Dijkstra's algorithms and discussed problems related to those algorithms. He made the session interactive involving the students in solving the problems along with him.

The speaker gave clear idea to the students regarding Greedy Methods like A Greedy approach is one of the most famous techniques utilised to solve problems. We can say that it is an algorithm used for solving the problem by choosing the best option open at the moment. This technique does not focus on the optimal result or whether the current result will impact the optimal output or not.

He gave somany real time examples where we can use Greedy methods and their real time usage.

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After that session has continued with the discussion of Dynamic Programming like:

Dynamic Programming (DP) is a method used for decrypting an optimization problem by splitting it down into easier subproblems so that we can reuse the results. These techniques are mainly used for optimization. Some important pointers related to dynamic programming are mentioned below:

The problem should be able to be split into easier subproblems or overlapping sub-problem. We can get the optimum solution through the optimum output of smaller subproblems. This algorithm technique prefers memoization.

He concluded the session with Dynamic programming concepts and their importance in implementing in the real time examples.

Also, this technique follows the top-down approach and never changes the judgement even if the option is wrong.

Dr.A Srinivasula Reddy garu felicitated the guest with memento.




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CMR ENGINEERING COLLEGE
UGC AUTONOMOUS
Kandlakoya (V), Medchal Road, Hyderabad – 501401
College Code **CMRN**



Guest Lecture
on
**GREEDY METHOD AND DYNAMIC
PROGRAMMING APPROACHES**



Mr. ABDUL BARI
NBH Info-tech



**Block-1
Auditorium**

Chief Patrons

Sri Ch. Narasimha Reddy Chairman	Sri Ch. Bhoopal Reddy Vice-Chairman	Sri Ch. Srisailem Reddy Secretary and Correspondent
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Patron

Dr. A. Srinivasula Reddy Principal

Coordinators:

Mrs. Suhasini T S	Dr. M. Kumara Swamy
Mrs. S. Priyanka	HOD, CSE (AI & ML)

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Figure 1: Poster Design for The Guest Lecture



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Photo Gallery of the event:




EVENT COORDINATOR


HOD-CSE (AI & ML)
CMR Engineering College
P. O. Lakshya (V), Medchal Road
Hyderabad, T.S. - 501 431