



# Moodlakatte Institute of Technology

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)

Moodlakatte – 576 217, Kundapura Taluk, Udupi District, Karnataka

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Date: 20.10.2019

**Topic** : **Research oriented technical talk on ‘Challenges and Opportunities in Computer Science’**

**Organized On** : **19.10.2019**

**Resource Persons:**

**Name** : **Mr. Naveenchandra Kumar.**

**Designation** : **Assistant Professor.**

**Department** : **DEPT. of Studies and Research in Electronics.**

**Organization** : **Mangalore University, Mangalagangothri – 594119.**

**Participants** : **Second year students from CSE**

**No. of students – 69**

**No of Faculty- 8**

## Preamble

A problem is assigned to the NP (nondeterministic polynomial time) class if it is solvable in polynomial time by a nondeterministic Turing machine. A P-problem (whose solution time is bounded by a polynomial) is always also NP. If a problem is known to be NP, and a solution to the problem is somehow known, then demonstrating the correctness of the solution can always be reduced to a single P (polynomial time) verification. If P and NP are not equivalent, then the solution of NP-problems requires (in the worst case) an exhaustive search. Linear programming, long known to be NP and thought not to be P, was shown to be P by L. Khachian in 1979. It is an important unsolved problem to determine if all apparently NP problems are actually P. A problem is said to be NP-hard if an algorithm for solving it can be translated into one for solving any other NP-problem. It is much easier to show that a problem is NP than to show that it is NP-hard. A problem which is both NP and NP-hard is called an NP-complete problem.

## Brief Profile of Resource Persons

Naveen Chandra C K working as Assistant Professor in M Sc Electronics, from Department of Studies and research in Electronics, Mangalore University. He has 17 years of experience in teaching. His areas of interest are Computational Complexity, NP – Complete problems, and Cryptography.

## Organizing Committee

**Convener** : **Prof. Melwin D’ Souza, Head, CSE Department.**

**Coordinator** : Mr. Dhruva P Achar , *CSE Department.*

**Student Coordinators**

**Apoorva, Second Year CSE**

**Vinayak, Second Year CSE**

**Report**

On occasion of TRICS inauguration ceremony, a technical talk was organised by CSE department on 19<sup>th</sup> of Oct 2019. Mr. Naveen Chandra Kumar, Assistant Professor, Department of Studies and research in Electronics, Mangalore University, obliged to deliver the talk on 'Challenges and Opportunities in Computer Science'. In his talk he brought out the theoretical problems of computer science which is related to P and NP problem. He also highlighted that mathematicians and computer scientists have come to the conclusion without proof,  $P \neq NP$ . He concluded his talk by stating that we all will hope  $P \neq NP$  indeed. Students and faculties interacted with the resource person and got their questions answered. This interactive session was an eye opening for many of the students gathered there.

**Feedback**

**Resource Person Feedback:** The Session was well planned and properly executed. The response from students was good. The students asked many questions about future in Computer Science and its limitation. The resource person appreciated the students' interest in the topic.

**Student Feedback:**

Session was interesting and informative. Gained knowledge about Computer Science. The students also requested the department HoD to organise more such events in future.



## POSTER



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**Technical Talk on ‘Challenges and Opportunities in Computer Science’**

**By**

**Mr. Naveenchandra Kumar**

**Assistant Professor**

**Department of Studies and Research in Electronics**

**Mangalore University, Mangalore**

**Venue: Auditorium, MIT Kundapura**

**Date: 19<sup>th</sup> October 2019**

PHOTO



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Date: 15.10.2019

## CIRCULAR

This is to inform all Faculties, and students of the Department of Computer Science & Engineering that a technical talk on Challenges and Opportunities for Research in Computer Science will be organised on 19<sup>th</sup> October 2019 in the Auditorium at 10AM. Mr Naveen Chandra Kumar, Assistant Professor, Department of Studies and Research in Electronics, Mangalore University would be the resource persons.

All are requested to participate in this talk.

  
Coordinator

  
HoD

**To:** circulate among staff and students

**Copy to:** Department File



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**Moodlakatte – 576 217, Kundapura Taluk, Udupi District, Karnataka**

**Technical talk on 'Challenges and Opportunities in Computer Science' on 19th October 2019**

**CSE Participant List**

Sl.no	Name	USN
1	Apoorva Manjunath Nayak	4MK18CS001
2	Ashwini H S	4MK18CS002
3	Ashwini K B	4MK18CS003
4	H Upendra	4MK18CS004
5	K Vinayak C Bhat	4MK18CS005
6	Koushik B K	4MK18CS006
7	M Supraja	4MK18CS007
8	Mahesh Hegde V	4MK18CS008
9	Maneshwar C	4MK18CS009
10	Medini K A	4MK18CS010
11	Megha	4MK18CS011
12	Nagaveni Gopal Naik	4MK18CS012
13	Ranjita Karadad	4MK18CS013
14	Roshan Devadiga	4MK18CS014
15	Sameeksha M V	4MK18CS015
16	ACHARYA ANKUSH RATHNAKAR	4MK19CS001
17	AJAY KUMAR C	4MK19CS002
18	AKASH J	4MK19CS003
19	AKHILESH	4MK19CS004
20	AKSHAY KUMAR	4MK19CS005
21	AMULYA SHETTY	4MK19CS006
22	ARCHANA	4MK19CS007
23	ASHFAQ JAKATI	4MK19CS008
24	AVINASH RATHOD	4MK19CS009
25	CHETANA	4MK19CS010
26	CHIDANANDA RAMAKRISHNA HEGDE	4MK19CS011
27	DEEPA KRISHNA BHOVIVADDAR	4MK19CS012
28	DHRUVA SHETTY	4MK19CS013
29	GOWRAV	4MK19CS014
30	HARISH DEVAPPA PATAGAR	4MK19CS015
31	HEMANTH J M	4MK19CS016
32	HITHAISHREE G C	4MK19CS017
33	JAYANTHI MARUTI DEVADIG	4MK19CS018
34	JEET KUMAR SINGH	4MK19CS019
35	K M SADIK	4MK19CS020

36	KARIGOUDA M	4MK19CS021
37	KARTHIK KAMATH	4MK19CS022
38	KAVYA S BALLOLI	4MK19CS023
39	KOUSHIK UDUPA K K	4MK19CS024
40	MAHAMMAD SHAKEER K	4MK19CS025
41	MAHAMMED SAHEED	4MK19CS026
42	MAMATHA	4MK19CS027
43	MANI KEVALA	4MK19CS028
44	MANISH P	4MK19CS029
45	MANOHARA S	4MK19CS030
46	MANOJ C S	4MK19CS031
47	MEGHANA SHET	4MK19CS032
48	MEHBOOB KHAN	4MK19CS033
49	MOHAMMED ISAQ	4MK19CS034
50	MOHAMMED ZIYAD	4MK19CS035
51	MUBARAK M	4MK19CS036
52	NEHA K V	4MK19CS037
53	NEHA MARUTHI BHOVI	4MK19CS038
54	NEHA S	4MK19CS039
55	PADMAVATHI	4MK19CS040
56	POOJARI SHRIKANT MAHADEV	4MK19CS041
57	PRIYANKA P S	4MK19CS042
58	RAKSHITHA	4MK19CS043
59	RAKSHITHA	4MK19CS044
60	SAHANA R NAIK	4MK19CS045
61	SALMAN SAIKALGAR	4MK19CS046
62	SAMARTH PRASHANT SAVANT	4MK19CS047
63	SANJAY B	4MK19CS048
64	SHREYA U KAMATH	4MK19CS049
65	SNEHA G	4MK19CS050
66	SNEHA G S	4MK19CS051
67	SUPRITHA	4MK19CS052
68	SURYAKALA M	4MK19CS053
69	TEJASWINI IRAPPA NAIK	4MK19CS054

Coordinator

Mes

HOB





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Technical talk on 'Challenges and Opportunities in Computer Science' on 19th October 2019

Faculty Participant List

Sl.no	Name	Department
1	Muralidhara B K	Computer Science Engineering
2	Anupama K	Computer Science Engineering
3	Shylesh B C	Computer Science Engineering
4	Yashaswini	Computer Science Engineering
5	Dhanya Shenoy	Computer Science Engineering
6	Prameela	Computer Science Engineering
7	Dhruva P A	Computer Science Engineering
8	Melvin D Souza	Computer Science Engineering

Coordinator

  
Principal