



# NARASARAOPETA ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

## 2<sup>nd</sup> BoS Members

S.No.	Name	Designation	Category
1	Dr.V.V.A.S.Lakshmi	Professor & Head	Chairman
2	Dr.D.Rajya Lakshmi	Professor Dept. of CSE, UCEV, JNTUK	JNTUK Nominee
3	Dr.C.Krishna Mohan	Professor Dept. of CSE, Dean (Public & Corporate Relations) IIT, Hyderabad	Subject Expert
4	Dr.K.Karteeka Pavan	Professor & Head Dept. of MCA, R.V.R & J.C.College of Engineering, GNT	Subject Expert
5	Mr.G.N.M.Raju	Principal Consultant Cyient Ltd. Hyderabad	Industry Representative
6	Mr.R.Yuvarj	SAP Senior Consultant DXC Technologies	Alumni Representative
7	Dr.S.N.Tirumala Rao	Professor & Head Dept. of CSE, NEC	Member
8	Dr.S.V.N.Srinivasu	Professor Dept. of CSE, NEC	Member
9	Dr.K.Lakshmi Nadh	Professor Dept. of CSE, NEC	Member
10	Dr.S.Siva Nageswara Rao	Professor Dept. of CSE, NEC	Member
11	Dr.M.Sireesha	Asso.Professor Dept. of CSE, NEC	Member



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25<sup>th</sup> Sep, 2023

## Minutes of the 1<sup>ST</sup> Board of Studies (BoS) Meeting for R23 Regulation I B.Tech I Year.

Dr. V.V.A.S.Lakshmi, Chairman, Board of Studies chaired the online meeting and welcomed all the members to the First Board of Studies meeting (R23 Regulation) in the department of CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING). The discussion on the items mentioned in the Board of Studies meeting agenda was taken up and the following resolutions mentioned in the subsequent paragraphs were passed by the external and internal BOS members.

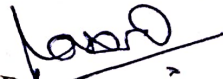
### MEMBERS PRESENT

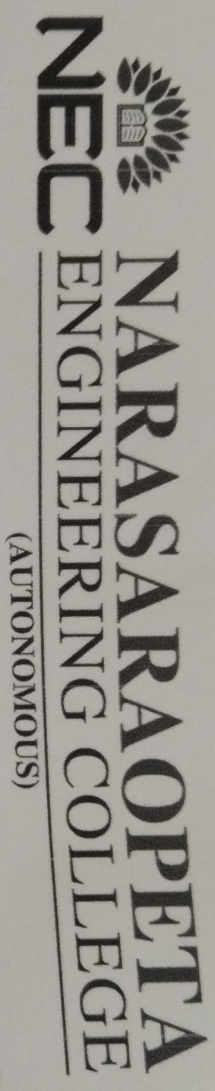
S.No.	Name	Designation	Category	Signature
1	Dr.V.V.A.S.Lakshmi	Professor & Head	Chairman	
2	Dr.D.Rajya Lakshmi	Professor Dept. of CSE, UCEV, JNTUK	JNTUK Nominee	<i>online</i>
3	Dr.C.Krishna Mohan	Professor Dept. of CSE, Dean (Public & Corporate Relations) IIT, Hyderabad	Subject Expert	<i>online</i>
4	Dr.K.Karteeka Pavan	Professor & Head Dept. of MCA, R.V.R & J.C.College of Engineering, GNT	Subject Expert	<i>online</i>
5	Mr.G.N.M.Raju	Principal Consultant Cyient Ltd. Hyderabad	Industry Representative	<i>online</i>
6	Mr.R.Yuvarj	SAP Senior Consultant DXC Technologies	Alumni Representative	<i>online</i>
7	Dr.S.N.Tirumala Rao	Professor & Head Dept. of CSE, NEC	Member	
8	Dr.S.V.N.Srinivasu	Professor Dept. of CSE, NEC	Member	
9	Dr.K.Lakshmi Nadh	Professor Dept. of CSE, NEC	Member	
10	Dr.S.Siva Nageswara Rao	Professor Dept. of CSE, NEC	Member	
11	Dr.M.Sireesha	Assoc.Professor Dept. of CSE, NEC	Member	

1. The meeting started with opening remarks by Chairman, BOS-CSE (AI&ML) Dr.V.V.A.S.Lakshmi and Principal Dr.M.Sreenivasa Kumar.
2. Discussion on R23-Course Structure and Syllabus of I B.Tech. CSE (AI&ML). After detailed discussions, the Board expressed their suggestions and views regarding R23 Syllabus for I B.Tech. CSE (AI&ML). The following suggestions/amendments/recommendations are given by the members of the board.
  - a. In Introduction to Programing (I-I), elobarate the concept of strings in Unit IV.
  - b. In I Year II Semester Data Strcutres :
    - i. Merge Unit III and Unit IV as Unit III.
    - ii. Now Unit IV consists of Trees part of Unit V and in addition to that incorporate the concepts of Binary Trees, Traversal, AVL Trees and Heap Sort.
    - iii. In Unit V add the concepts related to Graphs like Introduction to Graphs, Graph Represenation, Graph traversals and topological sorting.
3. With the above suggestions, all the members of BOS approved Course Structure and syllabus of R23 B.Tech CSE (AI&ML) for the first year.

Chairman-BOS concluded meeting with vote of thanks to all the members.

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Chairman, BOS CSE (AI&ML)  
(Dr. V.V.A.S.Lakshmi)

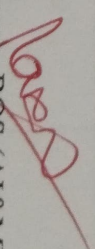


DEPARTMENT OF CSE (ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)  
(AUTONOMOUS)

2<sup>nd</sup> BOARD OF STUDIES (BOS) MEETING ON 25-09-2023

AGENDA

1. Welcome by the Chairman.
2. Discussion on R23-Syllabus of I B. Tech. CSE (Artificial Intelligence & Machine Learning).
3. General suggestions by members.
4. Any other information with the permission of the Chairman.
5. Vote of thanks

  
Chairman, BOS (AI&ML)  
(Dr. V. V. A. S. Lakshmi)

25<sup>th</sup> September, 2023



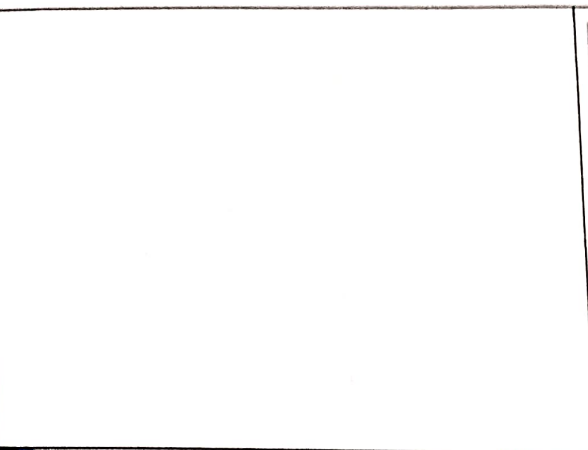
CO5 Develop problem-solving skills and the ability to debug and optimize the code.

**UNIT I Introduction to Programming and Problem Solving**  
 History of Computers, Basic organization of a computer, ALU, input-output units, memory, program counter, Introduction to Programming Language, Basics of a Computer Program, Algorithms, Decision (Using Data), Input, pseudo code, Introduction to Compilation and Execution, Primitive Data Types, Variables, and Constants, Basic Input and Output, Operations, Type Conversion, and Casting

Problem solving techniques: Algorithmic approach, characteristics of algorithm, Problem solving strategies: Top-down approach, Bottom up approach, Trace and space complexities of algorithms

**UNIT II Control Structures**  
 Simple sequential programs, Conditional Statements (if, if else, switch, Loop (for, while, do-while), Break and Continue

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CO1 Understand basic of computers, the concept of algorithm and algorithmic thinking

CO2 Analyze a problem and develop an algorithm to solve it

CO3 Implement various algorithms using the C programming language

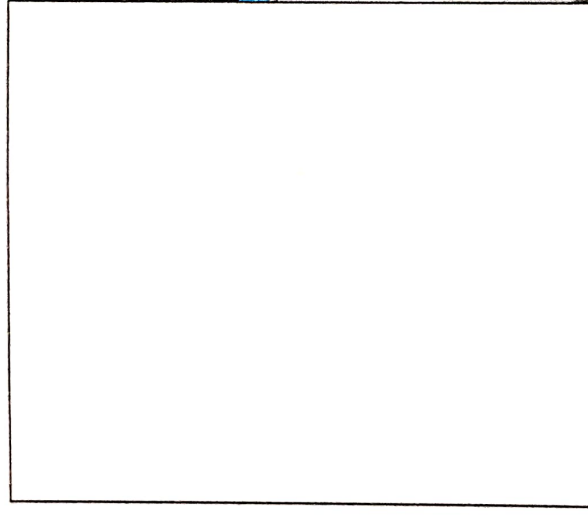
CO4 Understand more advanced features of C language

CO5 Develop problem-solving skills and the ability to debug and optimize the code.

**UNIT I Introduction to Programming and Problem Solving**  
 History of Computers, Basic organization of a computer, ALU, input-output units, memory, program counter, Introduction to Programming Language, Basics of a Computer Program, Algorithms, Decision (Using Data), Input, pseudo code, Introduction to Compilation and Execution, Primitive Data Types, Variables, and Constants, Basic Input and Output, Operations, Type Conversion, and Casting

Problem solving techniques: Algorithmic approach, characteristics of algorithm, Problem solving strategies: Top-down approach, Bottom up approach, Trace and space complexities of algorithms

**UNIT II Control Structures**



**1. Summary**

Meeting title

CSE (AIML) 2ND BOS  
MEETING - 1 YEAR R23

Attended participants

Start time

End time

Meeting duration

Average attendance time

8

9/25/23, 2:47:45 PM  
9/25/23, 3:14:37 PM26m 51s  
10m 29s**2. Participants**

Name	First Join	Last Leave	In-Meeting Duration	Email	Participant ID (UPN)	Role
Dr. VVAS Lakshmi, HoD CSE(AIML, CS, DS)	9/25/23, 2:47:53 PM	9/25/23, 3:14:36 PM	26m 43s	aicsdshod@nrtec.in	aicsdshod@nrtec.in	Organiser
Dr S V N Srinivasu	9/25/23, 2:53:26 PM	9/25/23, 2:57:58 PM	4m 31s	drsvnsrinivasu@nrtec.in	drsvnsrinivasu@nrtec.in	Presenter
Prof D Rajya Lakshmi	9/25/23, 2:54:07 PM	9/25/23, 3:11:32 PM	17m 24s	rajyalakshmi.cse@ucev.in	rajyalakshmi.cse@ucev.in	Presenter
Dr. B.Jhansi Vazram	9/25/23, 2:54:46 PM	9/25/23, 2:58:27 PM	3m 41s	jhansi.bolla@nrtec.in	jhansi.bolla@nrtec.in	Presenter
dr s v n sreenivasu	9/25/23, 2:57:34 PM	9/25/23, 3:14:17 PM	16m 42s	moturisireesha@nrtec.in	moturisireesha@nrtec.in	Presenter
M.Sireesha	9/25/23, 3:03:58 PM	9/25/23, 3:14:35 PM	10m 36s	NagamalleswaraRaju.Gorantl a@CYIENT.COM	NagamalleswaraRaju.Gorantl a@CYIENT.COM	Presenter
Nagamalleswara Raju Gorantla	9/25/23, 3:06:48 PM	9/25/23, 3:11:53 PM	3m 14s	drssnr@nrtec.in	drssnr@nrtec.in	Presenter
Dr Siva Nageswara Rao S	9/25/23, 3:13:36 PM	9/25/23, 3:14:37 PM	1m 1s			
<b>3. In-Meeting Activities</b>						
Name	Join Time	Leave Time	Duration	Email		Role
Dr. VVAS Lakshmi, HoD CSE(AIML, CS, DS)	9/25/23, 2:47:53 PM	9/25/23, 3:14:36 PM	26m 43s	aicsdshod@nrtec.in		Organiser
Dr S V N Srinivasu	9/25/23, 2:53:26 PM	9/25/23, 2:57:58 PM	4m 31s	drsvnsrinivasu@nrtec.in		Presenter
Prof D Rajya Lakshmi	9/25/23, 2:54:07 PM	9/25/23, 3:11:32 PM	17m 24s	rajyalakshmi.cse@ucev.in		Presenter
Dr. B.Jhansi Vazram	9/25/23, 2:54:46 PM	9/25/23, 2:58:27 PM	3m 41s	jhansi.bolla@nrtec.in		Presenter
dr s v n sreenivasu	9/25/23, 2:57:34 PM	9/25/23, 3:14:17 PM	16m 42s	moturisireesha@nrtec.in		Presenter
M.Sireesha	9/25/23, 3:03:58 PM	9/25/23, 3:14:35 PM	10m 36s	NagamalleswaraRaju.Gorantl a@CYIENT.COM		Presenter
Nagamalleswara Raju Gorantla	9/25/23, 3:06:48 PM	9/25/23, 3:08:55 PM	2m 7s	NagamalleswaraRaju.Gorantl a@CYIENT.COM		Presenter
Nagamalleswara Raju Gorantla	9/25/23, 3:10:46 PM	9/25/23, 3:11:53 PM	1m 7s	NagamalleswaraRaju.Gorantl a@CYIENT.COM		Presenter
Dr Siva Nageswara Rao S	9/25/23, 3:13:36 PM	9/25/23, 3:14:37 PM	1m 1s	drssnr@nrtec.in		Presenter