



# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

An ISO 9001:2015 & 14001:2015 Certified Institution, Affiliated to Anna University, Chennai  
Approved by AICTE, New Delhi, Recognized by UGC with 2(f) & 12(B)  
Re-accredited by NAAC "A+", NBA Accredited (UG Courses: AERO & CSE)  
Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105



## 1.1.3 Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year - Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses

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**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**T. M. Palayam, Coimbatore-641 105**

**(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)**

**Accredited by NAAC, Recognized by UGC with Section 2(f) and 12(B)**

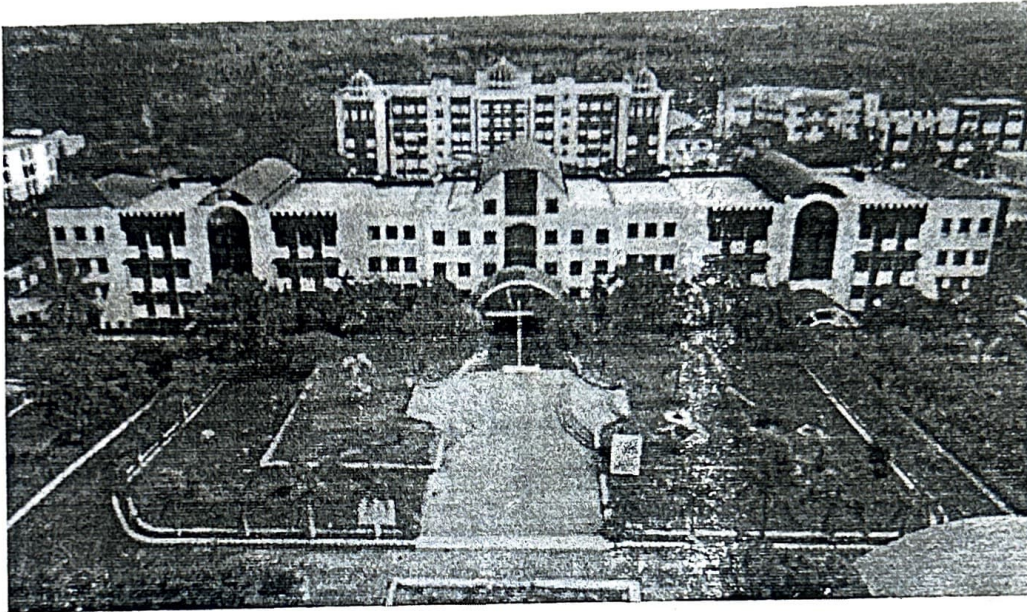


# **Department of Aeronautical Engineering**



**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(An Autonomous Institution)

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NBA Accredited (UG Courses): AERO | CSE  
Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



**FIRST BOARD OF STUDIES MEETING**  
**DEPARTMENT OF AERONAUTICAL ENGINEERING**  
**B.E. AERONAUTICAL ENGINEERING**  
**M.E. AERONAUTICAL ENGINEERING**

Venue: Board Room, NIET

Date & Time: 03-11-2023 & 12.00 Noon

**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.



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NBA Accredited (UG Courses): AERO | CSE  
Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



Date:03/11/2023

## Agenda

Welcome Address	:	Dr. B R Senthilkumar Professor & Head Department of Aeronautical Engineering Nehru Institute of Engineering and Technology
Introduction of members	:	Dr. B R Senthilkumar Professor & Head Department of Aeronautical Engineering Nehru Institute of Engineering and Technology
Presentation of Curriculum and Syllabus BE Aeronautical Engineering	:	Dr. B R Senthilkumar Professor & Head Department of Aeronautical Engineering Nehru Institute of Engineering and Technology
Vote of Thanks	:	Dr. K Sathishkumar Associate Professor Department of Aeronautical Engineering Nehru Institute of Engineering and Technology

**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.



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**First Board of Studies Meeting**

**Department of Aeronautical Engineering**

Venue: Board Room, NIET

Date & Time: 03-11-2023 & 12.00 Noon

**Agenda**

BoS / AE01.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Aeronautical Engineering	
BoS / AE01.2	:	Introduction of members	
BoS / AE01.3	:	Business brought by the Chairman, Board of Studies as follows	
		01.3.1	Presentation of R2023 Curriculum Structure for BE Aeronautical Engineering and M.E Aeronautical Engineering
		01.3.2	Presentation of First year BE Aeronautical Engineering and M.E Aeronautical Engineering Subjects.
		01.3.3	Presentation of First year Syllabus for other UG Programmes
BoS / AE01.4	:	Suggestion given by the BoS Members	
BoS / AE01.5	:	Any other items	

**Dr. P. MANI ARASAN**

Principal

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### Minutes of Meeting

The Board of Studies Meeting of Aeronautical Engineering held on 03-11-2023 at Board Room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / AE01.1	:	<i>Welcome Address and Opening remarks by Chairman</i> <i>Dr.B.R.Senthilkumar, Board of Studies, Department of Aeronautical Engineering</i>
	:	The Chairman, BOS of the Aeronautical Engineering welcomed and introduced the members of First Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / AE01.2	:	<i>Introduction of members</i>
	:	The Chairman, BOS of the Aeronautical Engineering introduced the internal and external members
BoS / AE01.3.1	:	CONFIRMED AND APPROVED R2023 Curriculum Structure for BE Aeronautical Engineering and M.E AERONAUTICAL ENGINEERING (Enclosed in Annexure - II)
BoS / AE01.3.2	:	CONFIRMED AND APPROVED First year BE Aeronautical Engineering and M.E AERONAUTICAL ENGINEERING Subjects. (Enclosed in Annexure - III)
BoS / AE01.3.3	:	CONFIRMED AND APPROVED First Year Syllabus for other UG Programmes. (Enclosed in Annexure - IV)
BoS / AE01.4	:	<i>Suggestion given by the BoS Members</i>
01.4.1	:	Dr. S Sivasankar suggested to change total contact periods to total contact hours in both UG and PG Curriculum.
01.4.2	:	Dr. S Sivasankar suggested to change U23GE106 title as heritage of Tamil
01.4.3	:	Dr. S Sivasankar suggested to change the Code of U23GE105, to U23CS105 in semester I and In semester II, U23AP203 to U23PH203
01.4.4	:	Dr. S Sivasankar and Dr. R. Naren Shankar suggested to add 1 tutorial hour for courses U23AE302, U23AE303 and U23FM304 and reduce 1 lecture hour.
01.4.5	:	Dr. S Sivasankar, Dr. Aldin Justin Sundararaj and Dr. R. Naren Shankar suggested U23AE311 to be split into two courses as thermodynamics laboratory and strength of materials laboratory as 1 credit course and credit for Professional development is reduced to zero in UG semester III,
01.4.6	:	Dr. S Sivasankar , Dr.Aldin Justin Sundararaj and Dr. R. Naren Shankar suggested UG In semester III, add tutorial hours for U23AE302, U23AE303, U23FM304 and reduce in lecture hour
01.4.7	:	UG In semester IV, Airbreathing propulsion may be changed to Propulsion -I U23AE403 as per suggestions from Dr. R. Naren Shankar and Mr. Gokulraj K

  
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01.4.8	Dr. R. Naren Shankar, Dr. Balakrishnan Bakthavaachalam, Mrs. Deepa Sakravarthini and Dr.Aldin Justin Sundararaj suggested Composite materials and structures & Propulsion-II courses offered as electives may considered as Professional core courses in UG Semester V.
01.4.9	Dr. R. Naren Shankar suggested Aircraft systems Laboratory may be offered as Aircraft systems and Maintenance laboratory. Mrs. S. Deepa Sakravarthini, Mr. Gokulraj K and Dr. R. Naren Shankar suggested to introduce to Finite element methods and Experimental Aerodynamics in UG Semester VI as Professional core rather than electives.
01.4.10	Dr. R. Naren Shankar, Dr. Balakrishnan Bakthavaachalam, Mrs. Deepa Sakravarthini and Dr.Aldin Justin Sundararaj suggested in UG Semester VII, Open Elective IV to be changed to Professional Elective – III. Mrs. S. Deepa Sakravarthini, Mr. Gokulraj K and Dr. R. Naren Shankar suggested to introduce Experimental Stress Analysis and Computational fluid dynamics instead of Fatigue and Fracture Mechanics and Human Values and Ethics,
01.4.11	Mrs. S. Deepa Sakravarthini, Mr. Gokulraj K and Dr. Balakrishnan Bakthavaachalam suggested to add Internship in UG VII Semester as optional additional credit course.
01.4.12	Dr.Aldin Justin Sundararaj suggested, In UG Semester VIII, Professional elective 3 included. Research methodology and IPR credits may be reduced to 2.
01.4.13	Dr. S Sivasankar and Dr. R. Naren Shankar suggested in PG semester I, Research Methodology and IPR, additional contents can be added focusing towards publications and patent in various countries.
01.4.14	Mrs. S. Deepa Sakravarthini suggested in PG Semester II, Theory of plates and shells added as one additional subject in the Elective II list and Finite Element Analysis course name to be changed to Advanced Finite Element Methods
01.4.15	Dr. S Sivasankar and Dr. R. Naren Shankar suggested in PG Semester IV in project work II, conference presentation along with paper publication to be made mandatory.
BoS / AE01.5	: <i>Any other items</i>
01.5.1	The members appreciated the B.E. Aeronautical Engineering curriculum structure; however they suggested that the teaching learning and evaluation process needs to be designed for the integrated courses in such a way that the learner should get the full benefit of that.

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the curriculum and syllabus of R2023. Based on the suggestions given by the members, BOS resolved to recommend the Curriculum Structure and syllabus for the 1st semester courses prescribed for Aeronautical Engineering (Annexure II & III) and syllabus for the 1st semester courses prescribed for other U.G. Programmes (Annexure IV) after carry out the modifications suggested by the members, under Regulation 2023 to the Academic Council for further approval. Dr. K Sathishkumar Associate -Professor / Aeronautical Engineering proposed vote of thanks for their kind cooperation and the meeting came to an end.

  
**Dr. P. MANIWARAN**  
 Principal  
 Nehru Institute of Engg. & Technology



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**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**FIRST BOARD OF STUDIES**


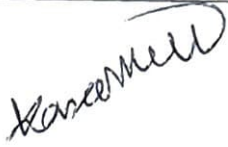
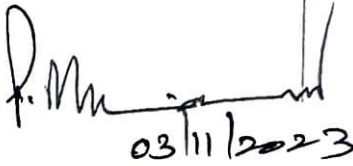






**MINUTES OF MEETING**

03/11/2023

Members	Members Details	Signature
Chairperson	<b>Dr. B R. Senthilkumar</b> Professor & Head, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology. Coimbatore-641 105.	 31/11/2023
Experts nominated by VC	<b>Dr. S Siyasankar</b> Associate Professor, Department of Mechanical Engineering Government College of Technology, Tanjore.	 3/11/2023
Subject experts from outside the Parent University	<b>Dr. Aldin Justin Sundararaj,</b> Assistant Professor, Department of Aerospace Engineering, Karunya Institute of Technology and Sciences, Coimbatore- 641114	 3/11/23
	<b>Dr. R. Naren Shankar</b> Professor, Department of Aeronautical Engineering. Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, 600062.	 3/11/23
Industry Expert	<b>Dr. Balakrishnan Bakhthavaachalam</b> Principal Scientist, Structural Technological Division, CSIR National Aerospace Laboratories, Bangalore-560075	 03/11/23
	<b>S. Deepa Sakravarthini</b> Principal Scientist, Airframe Design Group. Structural Technological Division, CSIR-National Aerospace Laboratories, Bangalore-560075	 3/11/2023

**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Alumni member	<b>Mr. Gokulraj K</b> Senior Scientific Officer - I DGAQA, DDP, Min of Defence Bangalore	 03/11/2023
All Faculty Members	<b>Dr. A. Sankaran,</b> Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Dr. P. Maniiarasan,</b> Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 03/11/2023
	<b>Dr. C.R. Raajesh Krishna,</b> Associate Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 03/11/23
	<b>Dr. K. Sathishkumar,</b> Associate Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 03/11/2023
	<b>Dr. R. Ramasamy,</b> Associate Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	 03/11/2023
	<b>Dr. S. Rathinavel,</b> Assistant Professor (S.G), Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 03/11/23
	<b>Mr. S. Balaji,</b> Assistant Professor (S.G), Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 03/11/2023
	<b>Mr. J. Karthikeyan,</b> Assistant Professor (S.G), Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 03/11/2023

**Dr. P. MANIARASAN**

Principal

Nehru Institute of Engg. & Technology  
 T.M.Palayam, Coimbatore - 641 105.

All Faculty Members

Dr. J. ArunPrakash,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

*J. Arun Prakash*  
3/11/23

Mr. R. ArunPrasath,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

*R. Arun Prasath*  
3/11/23

Mr. A. Sivaraman,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

*A. Sivaraman*

Mr. M.K. Jayakumar,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

*M.K. Jayakumar*

Mr. M. Kesavan,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

*M. Kesavan*

Mr. K. Prakash,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
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*K. Prakash*

Mr. K. Balaji,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

*K. Balaji*




Mr. K. Arun,  
Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

*K. Arun*

Mrs. S. Parameshwari,  
Assistant Professor,  
Department of Aeronautical Engineering,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105.

*S. Parameshwari*  
3/11/23

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

<b>All Faculty Members</b>	<b>Ms. G. Selvapreethi,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 3/11/23
	<b>Ms. J. Prinsula</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 3/11/23
	<b>Mr. R. Midhoon</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	 Mithu

  
**CHAIRPERSON/BOS**



  
**PRINCIPAL**

**Dr. P. MANIWARAN**  
Principal  
Nehru Institute of Engg & Technology  
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**ACADEMIC YEAR 2023-2024**

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**COMPOSITION OF BOARD OF STUDIES**

03/11/2023

Members	Members Details
Chairperson	<b>Dr.B.R. Senthilkumar</b> Professor & Head, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.
Experts nominated by VC	<b>Dr. S Sivasankar</b> Associate Professor, Department of Mechanical Engineering Government College of Technology, Tanjore.
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	<b>Dr. R. Naren Shankar</b> Professor, Department of Aeronautical Engineering, Vel Tech Rāngarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, 600062.
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	<b>S. Deepa Sakravarthini</b> Principal Scientist, Airframe Design Group, Structural Technological Division, CSIR-National Aerospace Laboratories, Bangalore-560075
Alumni member	<b>Mr. Gokulraj K</b> Senior Scientific Officer - I DGAQA, DDP, Min of Defence Bangalore

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**Mr. R. ArunPrasath,**

Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
641 105.

**Mr. A. Sivaraman,**

Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
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**Mr. M.K. Jayakumar,**

Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
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**Mr. M. Kesavan,**

Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
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**Mr. K. Prakash,**

Assistant Professor,  
Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
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**Mr. K. Balaji,**

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Department of Aeronautical Engineering, Nehru  
Institute of Engineering and Technology, Coimbatore-  
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**Mr. K. Arun,**

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Institute of Engineering and Technology, Coimbatore-  
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**Mrs. S. Parameshwari,**

Assistant Professor,  
Department of Aeronautical Engineering,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105.

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	<b>Mr. R. Midhoon</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.

  
CHAIRPERSON/BOB



  
PRINCIPAL  
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Date: 04.11.2023

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

**Action Taken Report**

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	For UG and PG, Suggested to changed total contact periods to total contact hours.	Implemented in Curriculum Regulations 2023
2	UG In semester I, U23GE106 asked to correct the title as heritage of Tamil	Implemented in Curriculum Regulations 2023
3	UG In semester I, To change the Code of U23GE105, to U23CS105 and In semester II, change of U23AP203 to U23PH203	Implemented in Curriculum Regulations 2023
4	UG In semester II, Add 1 tutorial hour for U23AE302, U23AE303, U23FM304 and reduce 1 hour in lecture hours	Implemented in Curriculum Regulations 2023
5	UG In semester III, U23AE311 is split into two courses as thermodynamics laboratory and strength of materials laboratory as 1 credit course and credit for Professional development is reduced to zero.	Implemented in Curriculum Regulations 2023
6	UG In semester III, add tutorial hours for U23AE302, U23AE303, U23FM304 and reduce in lecture hour	Implemented in Curriculum Regulations 2023
7	UG In semester IV, Airbreathing propulsion may change to Propulsion -I U23AE403.	Implemented in Curriculum Regulations 2023
8	UG In Semester V, Composite materials and structures & Propulsion-II courses may consider as mandatory courses instead of Professional Elective-II and Professional electives-III.	Implemented in Curriculum Regulations 2023
9	UG In Semester VI, Aircraft systems Laboratory may change to <b>Aircraft systems and Maintenance laboratory</b> , Professional electives IV may change to Professional Elective II and Professional electives V and Professional Elective VI may	Implemented in Curriculum Regulations 2023

  
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	change to mandatory courses as Finite element methods and Experimental aerodynamics	
10	UG In Semester VII, Open Elective IV may change to Professional Elective – III, Experimental Stress Analysis, Computational fluid dynamics can be added instead of Fatigue and Fracture Mechanics and Human Values and Ethics,	Implemented in Curriculum Regulations 2023
11	UG In Semester VII, Internship can be added as additional credit course.	Implemented in Curriculum Regulations 2023
12	UG In Semester VIII, Professional elective 3 included. research methodology and IPR credits reduced to 2	Implemented in Curriculum Regulations 2023
13	PG semester I, Research Methodology and IPR, additional content can be added focusing towards publications and patent in various countries.	Implemented in Curriculum and Syllabus Regulations 2023
14	PG Semester II, Theory of plates and shells added as one additional subject in the Elective II list, Finite Element Analysis subject name may change to Advanced Finite Element Methods	Implemented in Curriculum and Syllabus Regulations 2023
15	PG Semester IV in project work II, conference presentation along with paper publication is mandatory.	Implemented in Curriculum and Syllabus Regulations 2023

  
BOARD CHAIRMAN

  
**Dr. P. MANIWARAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105

  
PRINCIPAL  
04/11/2023



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**Second Board of Studies Meeting**

**Department of Aeronautical Engineering**

Venue: TBI Board Room, NIET

Date & Time: 03-04-2024 & 11.00 am

**Agenda**

BoS / AE02.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Aeronautical Engineering	
BoS / AE02.2	:	Introduction of members	
BoS / AE02.3	:	Business brought by the Chairman, Board of Studies	
		02.3.1	Presentation of R2023 Curriculum Structure for BE Aeronautical Engineering and M.E Aeronautical Engineering
		02.3.2	Presentation of R2023 Second year BE Aeronautical Engineering and M.E Aeronautical Engineering Subjects.
		02.3.3	Presentation of R2024 First year BE Aeronautical Engineering.
BoS / AE02.4	:	Suggestion given by the BoS Members	
BoS / AE02.5	:	Any other items	

**Dr. P. MANIARASAN**

Principal

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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



Date:03/04/2024

## Agenda

Welcome Address	: Dr. B R Senthilkumar Professor & Head, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology,
Introduction of members	: Dr. B R Senthilkumar Professor & Head, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology,
Presentation of Curriculum and Syllabus BE Aeronautical Engineering	: Dr. B R Senthilkumar Professor & Head, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology,
Vote of Thanks	: Dr. J. Arun Prakash Assistant Professor (S.G) Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology,

**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.

## Minutes of Meeting

The Board of Studies Meeting of **Aeronautical Engineering** held on 03-04-2024 at TBI Board Room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / AE02.1	:	<i>Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Aeronautical Engineering</i>
	:	The Chairman, BOS of the Aeronautical Engineering welcomed and introduced the members of Second Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / AE02.2	:	<i>Introduction of members</i>
	:	The Chairman, BOS of the Aeronautical Engineering introduced the internal and external members
BoS / AE02.3.1	:	CONFIRMED AND APPROVED R2023 Curriculum Structure for BE Aeronautical Engineering and Syllabus for Second year B.E AERONAUTICAL ENGINEERING courses. (Enclosed in Annexure - II)
BoS / AE02.3.2	:	CONFIRMED AND APPROVED R2023 Curriculum Structure for BE Aeronautical Engineering and Syllabus for Second year M.E AERONAUTICAL ENGINEERING courses. (Enclosed in Annexure - III)
BoS / AE02.3.3	:	CONFIRMED AND APPROVED R2024 First Year Syllabus for BE Aeronautical Engineering and M.E AERONAUTICAL ENGINEERING Subjects. (Enclosed in Annexure - IV)
BoS / AE 02.4	:	<i>Suggestion given by the BoS Members</i>
02.4.1	:	Dr. S. Sivasankar suggested to remove the Ultrasonic and radiography testing topic from U23AE302 and asked to add as a general term "Need for NDT"
02.4.2	:	Dr. Aldin Justin Sundaraj and Dr. R. Naren Shankar suggested to change the Unit -2 title of U23AE302 as "Casting and Welding".
02.4.3	:	Ms. S. Deepa Sakravarthini suggested to add "Blanking" topic in unit-3 of U23AE302.
02.4.4	:	Mr. Gokulraj K and Dr. Aldin Justin Sundaraj suggested, to change the unit 3 title of U23AE302 as "Sheet metal Process".

  
**Dr. P. MANIWARAN**  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

02.4.5	Dr. Balakrishnan Bakthavaachalam and Dr. R. Naren Shankar suggested to add a topic of "Lightening protection system" in unit 4 of U23AE303.
02.4.6	Dr. S. Sivasankar and Dr. Aldin Justin Sundaraj suggested to add Engineering mathematics in Pre requisite of course U23AE304.
02.4.7	Dr. R. Naren Shankar pointed out the repeated text book in the syllabus of U23AE305 and asked to rectify the error.
02.4.8	Dr. Balakrishnan Bakthavaachalam suggested in U23AE407- Unit 1, eliminate the content IC engine studies and add Classification of Gas turbine engines.
02.4.9	Dr. Aldin Justin Sundaraj and Mr. Gokulraj K recommended to add a topic of "Combustion chamber cooling methods" in Unit-4- U23AE407.
BoS / AE02.5	: <i>Any other items</i>
02.5.	The members appreciated the B.E. Aeronautical Engineering curriculum structure, however they suggested that the teaching learning and evaluation process needs to be designed for the integrated courses in such a way that the learner should get the full benefit of that.

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the curriculum and syllabus of R2023 and R2024.

Based on the suggestions given by the members, BoS resolved to recommend the Curriculum Structure and syllabus for R2023 3<sup>rd</sup> and 4<sup>th</sup> semester courses prescribed for B.E and M.E Aeronautical Engineering (Annexure II & III) and syllabus for R2024 the 1<sup>st</sup> and 2<sup>nd</sup> semester courses prescribed for B.E Aeronautical Engineering (Annexure IV) after carry out the modifications suggested by the members, under Regulation 2023 and Regulation 2024 to the Academic Council for further approval.

Dr. J. Arun Prakash, Assistant Professor / Aeronautical Engineering proposed vote of thanks for their kind cooperation and the meeting came to an end.



**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
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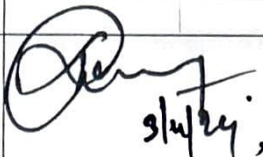
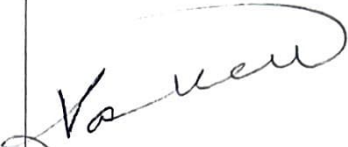
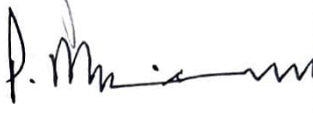









## DEPARTMENT OF AERONAUTICAL ENGINEERING





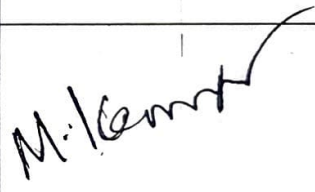



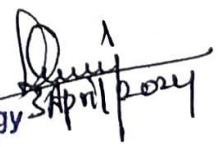
### SECOND BOARD OF STUDIES




03/04/2024

Members	Members Details	Signature
Chairperson	<b>Dr.B.R. Senthilkumar</b> Professor & Head, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	 3/4/2024
Experts nominated by VC	<b>Dr. S Sivasankar</b> Associate Professor, Department of Mechanical Engineering Government College of Technology, Tanjore.	 2024
Subject experts from outside the Parent University	<b>Dr. Aldin Justin Sundararaj,</b> Assistant Professor, Department of Aerospace Engineering, Karunya Institute of Technology and Sciences, Coimbatore- 641114	 03/04/24
	<b>Dr. R. Naren Shankar</b> Professor, Department of Aeronautical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, 600062.	
Industry Expert	<b>Dr. Balakrishnan Bakthavaachalam</b> Principal Scientist, Structural Technological Division, CSIR National Aerospace Laboratories, Bangalore-560075	 03/04/24
	<b>S. Deepa Sakravarthini</b> Principal Scientist, Airframe Design Group, Nehru Institute of Engg & Technology Thirumalayampalayam, Coimbatore - 641 105. CSIR-National Aerospace Laboratories,	<b>Dr. P. MANIARASAN</b> Principal 03/04/24

	Bangalore-560075	
<b>Alumni member</b>	<b>Mr. Gokulraj K</b> Senior Scientific Officer - I DGAQA, DDP, Min of Defence Bangalore	
<b>All Faculty Members</b>	<b>Dr. A. Sankaran,</b> Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Dr. P. Maniiarasan,</b> Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Dr. C.R. Raajesh Krishna,</b> Associate Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Dr. K. Sathishkumar,</b> Associate Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Dr. R. Ramasamy,</b> Associate Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Dr. S. Rathinavel,</b> Assistant Professor (S.G), Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Mr. S. Balaji,</b> Assistant Professor (S.G), Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Mr. J. Karthikeyan,</b> Assistant Professor (S.G), Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Dr. P. MANIARASAN</b> Principal Nehru Institute of Engineering & Technology T.M. Palayam, Coimbatore - 641 105.	

**All Faculty Members**

<p><b>Dr. J. ArunPrakash,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mr. R. ArunPrasath,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mr. A. Sivaraman,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mr. M.K. Jayakumar,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mr. M. Kesavan,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mr. K. Prakash,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mr. K. Balaji,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mr. K. Arun,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.</p>	
<p><b>Mrs. S. Parameshwari,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.</p>	<p><b>Dr. P. MANIARASAN</b> Principal Nehru Institute of Engg &amp; Technology Nehru Institute of Engineering and Technology, Coimbatore - 641 105.</p> 

<b>All Faculty Members</b>	<b>Ms. G. Selvapreethi,</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Ms. J. Prinsula</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	
	<b>Mr. R. Midhoon</b> Assistant Professor, Department of Aeronautical Engineering, Nehru Institute of Engineering and Technology, Coimbatore- 641 105.	

  
**CHAIRPERSON/BOS**

  
**PRINCIPAL**

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

  
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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



Date: 03.04.2024

## DEPARTMENT OF AERONAUTICAL ENGINEERING

### Action Taken Report

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1.	For UG course having course code U23AE302, suggested to remove the Ultrasonic and radiography testing topic from and asked to add as a general term "Need for NDT".	Implemented in Syllabus of respective course (Regulation 2023).
2.	For UG course having course code U23AE302, suggested to change the Unit -2 title as "Casting and Welding".	Implemented in Syllabus of respective course (Regulation 2023).
3.	For UG course having course code U23AE302, suggested to add "Blanking" topic in unit-3.	Implemented in Syllabus of respective course (Regulation 2023).
4.	For UG course having course code U23AE302, suggested to change the unit 3 title as "Sheet metal Process	Implemented in Syllabus of respective course (Regulation 2023).
5.	For UG course having course code U23AE303, suggested to add a topic of "Lightening protection system" in unit 4.	Implemented in Syllabus of respective course (Regulation 2023).
6.	For UG, suggested to add Engineering mathematics in Pre requisite of course U23AE304.	Implemented in Syllabus of respective course (Regulation 2023).
7.	For UG, the repeated text book in the syllabus of U23AE305 and asked to rectify the error.	Implemented in Syllabus of respective course (Regulation 2023).
8.	For UG, in U23AE407- Unit 1, eliminate the content IC engine studies and add Classification of Gas turbine engines.	Implemented in Syllabus of respective course (Regulation 2023).
9.	For UG 4 <sup>th</sup> semester, recommended to add a topic of "Combustion chamber cooling methods" in Unit-4- U23AE407.	Implemented in Syllabus of respective course (Regulation 2023).

CHAIRPERSON/BoS

Dr. P. MANIARASAN  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dr. P. MANIARASAN  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.



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# **Department of Computer Science and Engineering**



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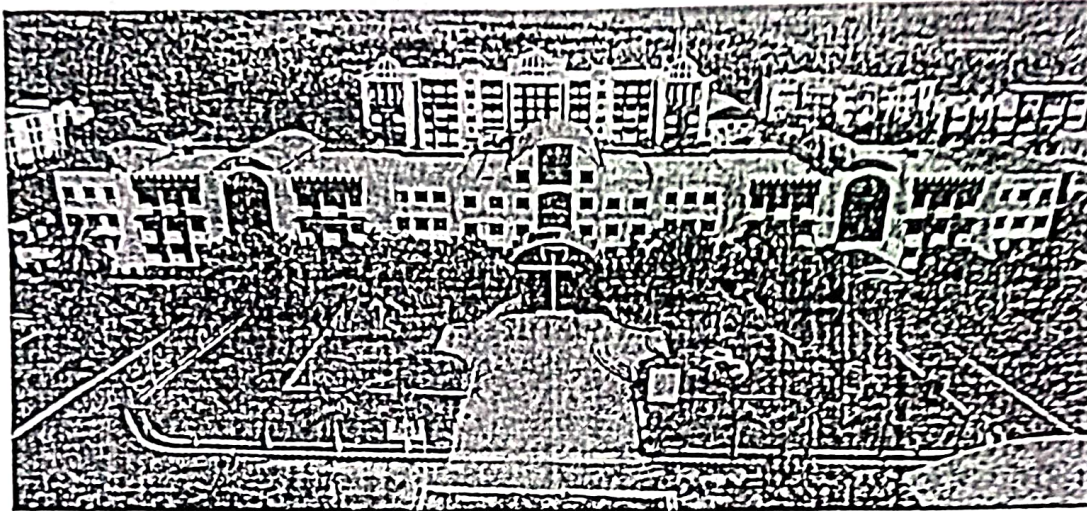
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## FIRST BOARD OF STUDIES MEETING – MINUTES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B.E. Computer Science and Engineering

Venue: Board Room

Date & Time: 02.11.2023 & 10.00 AM

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
FIRST BOARD OF STUDIES

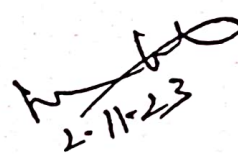
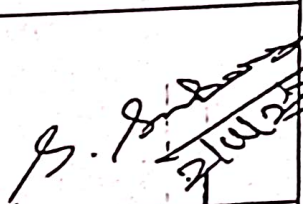
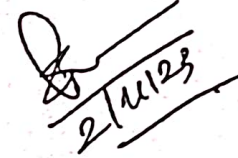
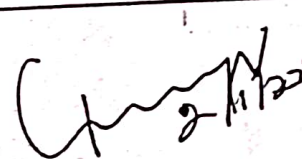
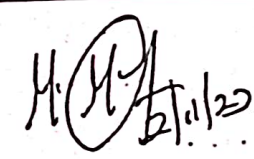
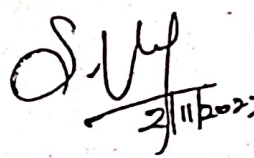
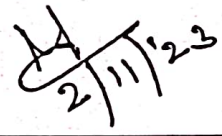
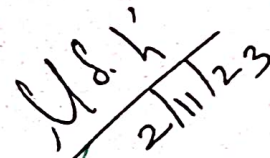
02/11/2023

Members	Members Details	Signature
Chairperson	Dr. S. Subasree, M.Tech., Ph.D. Professor and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietcsehod@nehrucolleges.com, +91 9486646623	 2/11/23
Experts nominated by VC	Dr. A. Meena Kowshalya Associate Professor, Department of Computer Science and Engineering, Government College of Technology, Coimbatore . meenakowsalya@gct.ac.in , +91 9585502131	 2/11/2023
Subject experts from outside the Parent University	1. Dr. Prashant R. Nair Professor, Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Coimbatore Campus, Amritanagar, Coimbatore - 641 112, Tamil Nadu, India prashant@amrita.edu, +91 9943984483	 2/11/23
	2. Dr. P. Bagavathi Sivakumar Professor, Department of Computer Science & Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu, India pbsk@cb.amrita.edu, +91 99524 02623	 2/11/23
Industry Expert	Mr Saravanan Annadurai, Senior Coordinator, (Skilling) Wiskill, Coimbatore veerpranavkalyan@gmail.com +91 7397708490	 2/11/23
	Mr. Dinesh Kumar K Senior Business Development Head, Imarticus Learnings Private Limited, Coimbatore dinesh.kumar@imarticus.com +91 8072171267	 2/11/23
Alumni member	Ms. Ammu K System Engineer, Tata Consultancy Services (TCS), Bangalore. saiukaaammu@gmail.com , +91 7339176881	 02/11/23

Dr. P. MANI ARASAN

Principal

Nehru Institute of Engg & Technology  
Thirumalayampalayam, Coimbatore - 641 105.

All Faculty Members	<p>1. Dr. N. K. Sakthivel Dean, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietdeancomputing@nehrucolleges.com +91 9443302399</p>	 2-11-23
	<p>2. Dr. S. Subasree Prof. and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietcsehod@nehrucolleges.com, +91 9486646623</p>	 2/11/23
	<p>3. Dr. S. SivaKumar Assistant Professor - SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India drsivaedulife@gmail.com, +91 9488349955</p>	 2/11/23
	<p>4. Ms. S. Priya Assistant Professor- SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India priyasharmila6@gmail.com, +91 9994815209</p>	 2/11/23
	<p>5. Mr. M. Madan Mohan Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India madhanaceit@gmail.com, +91 7904361553</p>	 2/11/23
	<p>6. Mr. S. Venkatesh Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India venkat.it10@gmail.com, +91 8248698901</p>	 2/11/23
	<p>7. Ms. M. Mahabooba Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India mmahabooba@gmail.com, +91 8903704530</p>	 2/11/23
	<p>8. Ms. M. S. Vinu Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India vinuja@gmail.com, +91 9994630984</p>	 2/11/23

**Dr. P. MANIARASAN**

Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

	<p>9. Ms. Manimala S Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India mailto:manimala@gmail.com, +91 9443997733</p>	<p><i>MS</i> 2/11/23</p>
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*B. Subbaraj*  
CHAIRPERSON / BoS 2/11/23



*P. Mani Arasan*  
PRINCIPAL  
02/11/2023

Dr. P. MANIARASAN  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.

*P. Mani Arasan*

Dr. P. MANIARASAN  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### MINUTES OF FIRST BOARD OF STUDIES

The first board of studies meeting for the Department of Computer Science and Engineering was held on 02.011.2023 at the board room of Nehru Institute of Engineering and Technology, Coimbatore

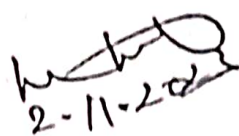
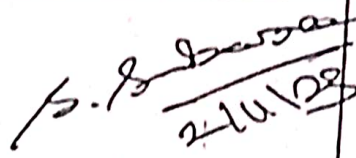
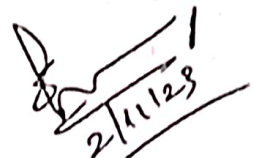
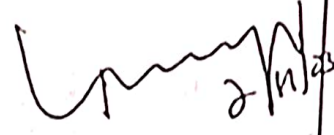

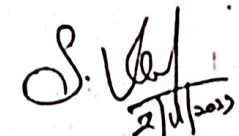

Members	Members Details	Signature
Chairperson	Dr. S. Subasree, M.Tech., Ph.D. Professor and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietcsehod@nehrucolleges.com, +91 9486646623	
Experts nominated by VC	Dr. A. Meena Kowshalya Associate Professor, Department of Computer Science and Engineering, Government College of Technology, Coimbatore meenakowsalya@gct.ac.in +91 9585502131	
Subject experts from outside the Parent University	3. Dr. Prashant R. Nair Professor, Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Coimbatore Campus, Amritanagar, Coimbatore - 641 112, Tamil Nadu, India prashant@amrita.edu, +91 9943984483	
	4. Dr. P. Bagavathi Sivakumar Professor, Department of Computer Science & Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu, India pbsk@cb.amrita.edu, +91 99524 02623	
Industry Expert	Mr Saravanan Annadurai, Senior Coordinator, (Skilling) Wiskill, Coimbatore veerpranavkalyan@gmail.com +91 7397708490	
	Mr. Dinesh Kumar K Senior Business Development Head, Imarticus Learnings Private Limited, Coimbatore dinesh.kumar@imarticus.com +91 8072171267	
Alumni member	Ms. Ammu K System Engineer, Tata Consultancy Services (TCS), Bangalore. saiukaaammu@gmail.com , +91 7339176881	

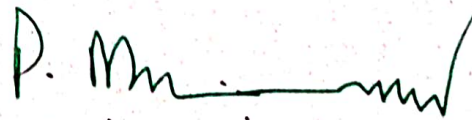
**Dr. P. MANIARASAN**

Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

All Faculty  
Members

10. Dr. N. K. Sakthivel Dean, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietdeancomputing@nehrucolleges.com +91 9443302399	 2-11-2023
11. Dr. S. Subasree Prof. and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nieteschod@nehrucolleges.com, +91 9486646623	 2/11/23
12. Dr. S. SivaKumar Assistant Professor - SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India drsivaedulife@gmail.com, +91 9488349955	 2/11/23
13. Ms. S. Priya Assistant Professor- SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India priyasharmila6@gmail.com, +91 9994815209	 2/11/23
14. Mr. M. Madan Mohan Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India madhanaccit@gmail.com, +91 7904361553	 2/11/23
15. Mr. S. Venkatesh Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India venkat.it10@gmail.com, +91 8248698901	 2/11/2023
16. Ms. M. Mahabooba Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India mmahabooba@gmail.com, +91 8903704530	 2/11/23



**Dr. P. MANI ARASAN**  
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<p>17. Ms. M. S. Vinu  Assistant Professor  Computer Science and Engineering  Nehru Institute of Engineering and Technology  Coimbatore-641105, Tamil Nadu, India  vinuja@gmail.com, +91 9994630984</p>	<p>MS.V  2/11/23</p>
<p>18. Ms. Manimala S  Assistant Professor  Computer Science and Engineering  Nehru Institute of Engineering and Technology  Coimbatore-641105, Tamil Nadu, India  mailtomanimala@gmail.com, +91 9443997733</p>	<p>MS  2/11/23</p>

*S. Subasree*  
CHAIRPERSON / BOS 2/11/23

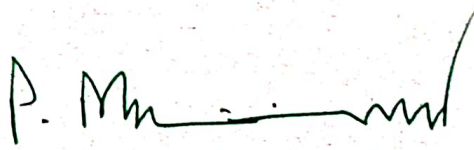


*P. Mani Arasan*  
PRINCIPAL  
02/11/23  
Dr. P. MANIARASAN  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.

*P. Mani Arasan*  
Dr. P. MANIARASAN  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.

Agenda

Welcome Address	: Dr. S. Subasree Professor & Head Computer Science and Engineering Nehru Institute of Engineering And Technology
Introduction of Members	: Dr. S. Subasree Professor & Head Computer Science and Engineering Nehru Institute of Engineering And Technology
Presentation of Curriculum and Syllabus B.E. Computer Science and Engineering	: Dr. S. Subasree Professor & Head Computer Science and Engineering Nehru Institute of Engineering And Technology
Vote of Thanks	: Dr. S. Sivakumar, Assistant Professor - SG, Computer Science and Engineering Nehru Institute of Engineering And Technology



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**First Board of Studies Meeting  
Department of Computer Science and Engineering**

Venue: Board Room

Date & Time: 02.11.2023 & 10.00 AM

Agenda

BoS / CSE01.1	:	Welcome Address and Introduction about the Department of Computer Science and Engineering by Chairperson, Board of Studies, Department of Computer Science and Engineering	
BoS / CSE01.2	:	Introduction of BoS Members	
BoS / CSE01.3	:	Business brought by the Chairperson, Board of Studies as follows	
		01.3.1	Presentation of R2023 Curriculum Structure of B.E. Computer Science and Engineering
		01.3.2	Presentation of Semester I and Semester II Syllabus of B.E. Computer Science and Engineering
		01.3.3	Presentation of Semester I and Semester II Syllabus for other UG Programmes
BoS / CSE01.4	:	Suggestion given by the BoS Members	
BoS / CSE01.5	:	Any other items – Other Recommendations (if any)	

**Dr. P. MANIARASAN**

Principal

Nehru Institute of Engg & Technology  
Thirumalayampalayam, Coimbatore - 641 105.

## Minutes of Meeting

The Board of Studies Meeting of Computer Science and Engineering held on 02.11.2023 at Board Room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / CSE01.1	:	<i>Welcome Address and Opening remarks by Chairperson, Board of Studies, Department of Computer Science and Engineering</i>
	:	The Chairperson, Board of Studies of the Computer Science and Engineering welcomed and introduced the Members of the First Board of Studies and thanked each and every one of them for sparing their valuable time for participating in the BoS and sharing their suggestions and experiences.
BoS / CSE01.2	:	<i>Introduction of Faculty Members to BoS Members</i>
	:	The Chairperson, BOS of the Computer Science and Engineering introduced the Internal Faculty Members to the External Members
Ref : Letter from Director, Centre for Academic Courses, Anna University, Chennai Letter No. 3460/AU/CAC/2023		
BoS / CSE01.3.1	:	With the reference to the above letter cited, the following activities were performed by the BoS Members
	:	TO CONFIRM AND APPROVE Curriculum Structure for B.E. Computer Science and Engineering under R 2023. (Enclosed in Annexure - II)
BoS / CSE01.3.2	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester I and Semester II) for B.E. Computer Science and Engineering under R-2023. (Enclosed in Annexure - III)
BoS / CSE01.3.3	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester I and Semester II) for U.G. other Programmes under R 2023. (Enclosed In Annexure - IV)



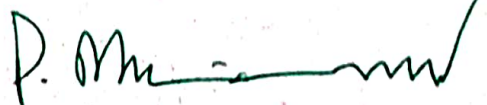
**Dr. P. MANIARASAN**

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Nehru Institute of Engg. & Technology  
T.M.Pajayam, Coimbatore - 641 105.

BoS / CSE01.4	:	Approval and Suggestlons given by the BoS Members as follows
CSE01.4.1		<ul style="list-style-type: none"> <li>• The Chalrperson of Board of Studles (BOS), Dr. S. Subasree, presented the Curriculum of B.E. Computer Science and Engineering under R-2023 before the BoS Members.</li> <li>• The Chalrperson of Board of Studles (BOS), Dr. S. Subasree presented the syllabus of U23GE105 Problem Solving and Python Programmng, U23GE117 Problem Solving and Python Programmng Laboratory and U23CS205 Programming In C and U23CS219 Programmng In C Laboratory before BoS Members.</li> <li>• The BoS Members approved the Curriculum of B.E. Computer Science and Engineering, and Syllabus of Semester I and Semester II for B.E. Computer Science and Engineering under R-2023.</li> <li>• The BoS Members approved the First Year Curriculum and Syllabus (Semester I and Semester II) for U.G. other Programmes under R2023</li> </ul>
01.4.2		<ul style="list-style-type: none"> <li>• The Chalrperson of Board of Studles (BOS), Dr. S. Subasree, presented the Curriculum of Semester III to Semester VIII of B.E. Computer Science and Engineering under R-2023 before BoS Members.</li> <li>• BoS Members has given a few suggestlons which are given in the Section BoS/CSE1.5 and all the suggested points will be considered and to be resolved in the Upcoming BoS Meeting.</li> </ul>

BoS / CSE 01.5	:	Other Recommendations
01.5.1		<p>The following recommendatlons are advised by BoS Members to consider for the upcoming Academic Year 2024-2025 onwards</p> <ul style="list-style-type: none"> <li>• Dr. A. Meena Kowshalya, Associate Professor, Government College of Technology, Coimbatore who nominated as University Nominee by VC, Anna University suggested the following <ul style="list-style-type: none"> <li>• Advised to update the Syllabus of U23GE105 Problem Solving and Python Programmng by introducing Two Units Weightage for Problem Solving Technlques and remaining Three Units Weightage for Python Programmng</li> <li>• Suggested to consider Integrated Laboratory Courses for all the subjects Instead of Separate Laboratory Courses</li> <li>• Suggested to rename the Professional Development Lab as Engineering Exploration Lab</li> <li>• Advised to split the U23CS302 Digital Principles and Computer Organization Course as Two different Courses namely I. Digital System Deslgn and II. Computer Organization</li> </ul> </li> </ul>



5

**Dr. P. MANIARASAN**

Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

	<ul style="list-style-type: none"> <li>• Mr. Dinesh Kumar K, IMARTICUS Learnings PVT LTD, Coimbatore who served as Industry Expert has suggested to introduce Practical Sessions for the Subject</li> <li>• Dr. Prashant R. Nair advised to replace U23CS503 Distributed Computing by Cloud Technology. He has also advised to replace U23CS601 Object Oriented Software Engineering by Agile Technology</li> </ul>
	<ul style="list-style-type: none"> <li>• Dr. P. Bagavathi Sivakumar, School of Computing, Amrita University suggested that , U23CS404 Algorithm may be renamed as Design and Analysis of Algorithm.</li> </ul>
	<ul style="list-style-type: none"> <li>• The BoS Members appreciated the efforts taken by Chairperson of BOS, Dr. S. Subasree and her Team for framing the Curriculum for B.E. Computer Science and Engineering and First Year Syllabus.</li> </ul>

The BoS Members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were recommended for Curriculum and Syllabus Updation as mentioned above.

Based on the suggestions given by the Members, BoS resolved to recommend the

- Curriculum Structure for B.E. Computer Science and Engineering under R2023. (Annexure - II)
- First Year Curriculum and Syllabus (Semester I and Semester II) for B.E. Computer Science and Engineering under R-2023. (Annexure - III)
- First Year Curriculum and Syllabus (Semester I and Semester II) for U.G. other Programmes under R2023. (Annexure - IV)

After carrying out the modifications suggested by the BoS Members, under Regulation 2023 to the Academic Council for further approval.

Dr. S. Sivakumar, Computer Science and Engineering proposed Vote of thanks for BoS Members for their Innovative Ideas and Suggestions shared for framing the better Curriculum and Syllabus. The First Board of Studies Meeting ended successfully.

S. Subasree  
21/11/23



P. Mani Arasan  
6  
Dr. P. MANIARASAN  
Principal

Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 541 105.

P. Mani Arasan  
02/11/2023

Dr. P. MANIARASAN  
Principal  
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# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

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Date: 06.11.2023

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Action Taken Report

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	<p>Dr. A. MeenaKowshalya, Associate Professor, Government College of Technology, Coimbatore who nominated as University Nominee by VC, Anna University suggested the following</p> <ul style="list-style-type: none"> <li>Advised to update the Syllabus of U23GE105 Problem Solving and Python Programming by introducing Two Units Weightage for Problem Solving Techniques and remaining Three Units Weightage for Python Programming</li> </ul>	<p>Will be updated the Syllabus U23GE105 Problem Solving and Python Programming for the Academic Year 2024-25 and to be resolved in the Upcoming BoS Meeting</p>
	<ul style="list-style-type: none"> <li>Suggested to consider Integrated Laboratory Courses for all the subjects instead of Separate Laboratory Courses</li> <li>Suggested to rename the Professional Development Lab as Engineering Exploration Lab</li> </ul>	<p>Syllabus for the Sem III to Sem VIII will be updated and to be resolved in the Upcoming BoS Meeting</p> <p>will be renamed Professional Development Lab as Engineering Exploration Lab and to be resolved in the Upcoming BoS Meeting</p>
	<ul style="list-style-type: none"> <li>Advised to split the U23CS302 Digital Principles and Computer Organization Course as Two different Courses namely i. Digital System Design and ii. Computer Organization</li> </ul>	<p>will be introduced two Courses as recommended and to be resolved in the Upcoming BoS Meeting</p>
2	<p>Dr. Prashant R. Nair, School of Computing, Amrita University who is the Subject Expert advised to replace U23CS503 Distributed Computing by Cloud Technology</p>	<p>will be replaced U23CS503 Distributed Computing by Cloud Technology and to be resolved in the Upcoming BoS Meeting</p>
3	<p>Dr. P. BagavathiSivakumar, School of Computing, Amrita University who is the Subject Expertsuggested that , U23CS404 Algorithm may be renamed as Design and Analysis of Algorithm</p>	<p>U23CS404 Algorithm will be renamed as Design and Analysis of Algorithm and to be resolved in the Upcoming BoS Meeting</p>

BOARD CHAIRMAN

*P. Maniarasan*

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
Thirumalayam, Coimbatore - 641 105



*P. Maniarasan*  
PRINCIPAL

06/11/2023  
**Dr. P. MANIARASAN**

Nehru Institute of Engineering and Technology  
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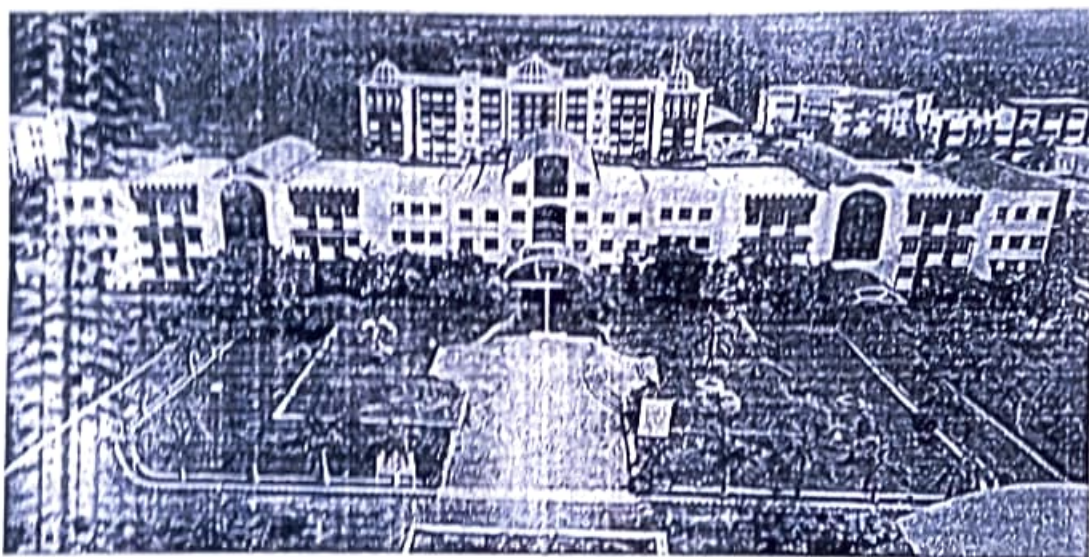
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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



#### SECOND BOARD OF STUDIES MEETING - MINUTES

#### B.E - COMPUTER SCIENCE AND ENGINEERING

REGULATION - 2023

VENUE: BOARD ROOM

DATE: 22-01-2024

Dr. P. MANIHARASAN

Principal

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BE / CSE / 2<sup>nd</sup> B.O.



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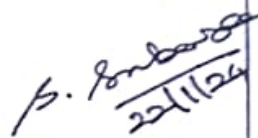
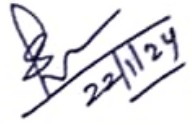


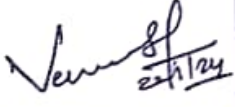
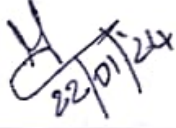
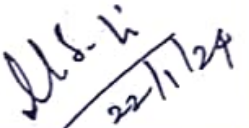

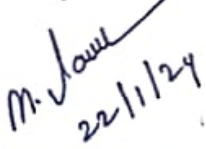
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"Nehru Gardens", Thirunelvelyampalayam, Coimbatore-641 105



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**SECOND BOARD OF STUDIES**  
**MEMBER DETAILS: 22/01/2024**

Members	Members Details	Signature
Chairperson	Dr. S. Subasree, M.Tech., Ph.D. Professor and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nieteschod@nehrucolleges.com, +91 9486646623	<i>S. Subasree</i> 22/1/24
Experts nominated by VC	Dr. A. Meena Kowahalya Associate Professor, Department of Computer Science and Engineering, Government College of Technology, Coimbatore. meenakowahalya@gct.ac.in +919585502131	<i>A. Meena</i> 22/1/24
Subject experts from outside the Parent University	1. Dr. Prashant R. Nair Professor, Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Coimbatore Campus, Amritanagar, Coimbatore - 641 112, Tamil Nadu, India prashant@amrita.edu, +91 9943984483	<i>P. Nair</i> 22/1/24
	2. Dr. P. Bagavathi Sivakumar Professor, Department of Computer Science & Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu, India, pbsk@cb.amrita.edu, +91 99524 02623	<i>P. Sivakumar</i> 22/1/24
Industry Expert	Mr Saravanan Annadurai, Consultant, uLektz Learning Solutions 100, Lakeview Estate, Kundrathur main road Porur, Chennai, Tamilnadu veerpranavkalyan@gmail.com +91 7397708490	<i>S. Annadurai</i>
	Mr. Dinesh Kumar K Senior Business Development Head, Imarticus Learnings Private Limited, Coimbatore dinesh.kumar@imarticus.com +91 8072171267	<i>D. Kumar</i>
Alumni member	Ms. Ammu K System Engineer, Tata Consultancy Services (TCS), Bangalore. saiukaaammu@gmail.com , +91 7339176881	<i>Ammu K</i>
All Faculty Members	1. Dr. N. K. Sakthivel Dean, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietdeancomputing@nehrucolleges.com +91 9443302399	<i>N. Sakthivel</i> 22.1.2024

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**Dr. P. MANIARASAN**  
Principal  
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T.M.Palayam, Coimbatore - 641 105.

	<p>2. Dr. S. Subasree Prof. and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietcsehod@nehrucolleges.com, +91 9486646623</p>	 22/11/24
	<p>3. Dr. S. SivaKumar Assistant Professor - SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India drsivaedulife@gmail.com, +91 9488349955</p>	 22/11/24
	<p>4. Ms. S. Priya Assistant Professor- SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India priyasharmila6@gmail.com, +91 9994815209</p>	 22/11/24
	<p>5. Mr. M. Madan Mohan, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India madhanaceit@gmail.com, +91 7904361553</p>	 22/11/24
	<p>6. Mr. S. Venkatesh, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India venkat.it10@gmail.com, +91 8248698901</p>	 22/11/24
	<p>7. Ms. M. Mahabooba, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India mmahabooba@gmail.com, +91 8903704530</p>	 22/11/24
	<p>8. Ms. M. S. Vinu, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India vinuja@gmail.com, +91 9994630984</p>	 22/11/24
	<p>9. Ms. Manimala S Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India mailto:manimala@gmail.com, +91 9443997733</p>	 22/11/24
	<p>10. Mr. M. Ramesh Raja Head/NCP-IR, Nehru Corporate Placements and Industry Relations, Nehru Group of Institutions, Coimbatore - 641105, Tamil Nadu, India rameshraj.ncpir@nehrucolleges.com +91 9003936352</p>	 22/11/24

  
CHAIRPERSON/BOS 22/11/24

  
**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

  
PRINCIPAL  
Dr. P. MANIARASAN  
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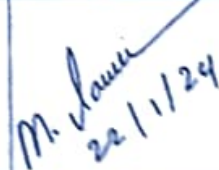
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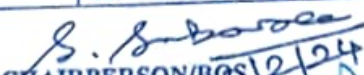
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**MINUTES OF SECOND BOARD OF STUDIES**


The board of studies meeting for the Department of Computer Science and Engineering was held on 22.01.2024 at the board room on Nehru Institute of Engineering and Technology, Coimbatore

Members	Members Details	Signature
Chairperson	Dr. S. Subasree, M.Tech., Ph.D. Professor and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietcsehod@nehrucolleges.com, +91 9486646623	 22/1/24
Experts nominated by VC	Dr. A. Meena Kowshalya Associate Professor, Department of Computer Science and Engineering, Government College of Technology, Coimbatore meenakowsalya@gct.ac.in +91 9585502131	 22/1/2024
Subject experts from outside the Parent University	3. Dr. Prashant R. Nair Professor, Department of Computer Science and Engineering, Amrita Vishwa Vidyapeetham, Coimbatore Campus, Amritanagar, Coimbatore - 641 112, Tamil Nadu, India prashant@amrita.edu, +91 9943984483	 22/1/24
	4. Dr. P. Bagavathi Sivakumar Professor, Department of Computer Science & Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu, India pbsk@cb.amrita.edu, +91 99524 02623	 22/1/24
Industry Expert	Mr Saravanan Annadurai, Consultant, uLektz Learning Solutions 100, Lakeview Estate, Kundrathur main road Porur, Chennai, Tamilnadu veerpranavkalyan@gmail.com +91 7397708490	
	Mr. Dinesh Kumar K Senior Business Development Head, Imarticus Learnings Private Limited, Coimbatore dinesh.kumar@imarticus.com +91 8072171267	
Alumni member	Ms. Ammu K System Engineer, Tata Consultancy Services (TCS), Bangalore. saiukaaammu@gmail.com, +91 7339176881	
All Faculty Members	10. Dr. N. K. Sakthivel Dean, Computer Science and Engineering	 22.1.2024

**Dr. P. MANIWARAN**  
Principal  
Nehru Institute of Engg & Technology  
T.C. Palayam, Coimbatore - 6

<p>Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietdeancomputing@nehrucolleges.com +91 9443302399</p>	 22-1-2024
<p>12. Dr. S. Subasree Prof. and Head, Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India nietcsehod@nehrucolleges.com, +91 9486646623</p>	 22/1/24
<p>13. Dr. S. SivaKumar Assistant Professor - SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India drsivaedulife@gmail.com, +91 9488349955</p>	 22/1/24
<p>14. Ms. S. Priya, Assistant Professor- SG Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India priyasharmila6@gmail.com, +91 9994815209</p>	 22/1/24
<p>15. Mr. M. Madan Mohan, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India madhanaceit@gmail.com, +91 7904361553</p>	 22/01/2024
<p>16. Mr. S. Venkatesh, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India venkat.it10@gmail.com, +91 8248698901</p>	 22/1/24
<p>17. Ms. M. Mahabooba, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India mmahabooba@gmail.com, +91 8903704530</p>	 22/01/24
<p>18. Ms. M. S. Vinu, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India vinuja@gmail.com, +91 9994630984</p>	 22/1/24
<p>19. Ms. Manimala S, Assistant Professor Computer Science and Engineering Nehru Institute of Engineering and Technology Coimbatore-641105, Tamil Nadu, India mailtomanimala@gmail.com, +91 9443997733</p>	 22/1/24
<p>20. Mr. M. Ramesh Raja Head/NCP-IR, Nehru Corporate Placements and Industry Relations, Nehru Group of Institutions, Coimbatore - 641105, Tamil Nadu, India rameshrajana.ncpir@nehrucolleges.com 21. +91 9003936352</p>	 22/1/24

  
CHAIRPERSON/BOS 2/2/24

  
Principal  
Dr. P. MANIARASAN  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

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"Nehru Gardens", Thirumalayampalayam, Coimbatore-641 105



Date: 22/01/2024

**Agenda**

Welcome Address	: Dr S Subasree Professor & Head Department of Computer Science and Engineering, NIET
Introduction of members	: Dr S Subasree Professor & Head Department of Computer Science and Engineering, NIET
Presentation of Curriculum and Syllabus B.E Computer Science and Engineering	: Dr S Subasree Professor & Head Department of Computer Science and Engineering, NIET
Vote of Thanks	: Dr S Sivakumar Assistant Professor (SG) Department of Computer Science and Engineering, NIET

**Dr. P. MANI ARASAN**

Principal

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**2<sup>nd</sup> Board of Studies Meeting**

**Department of Computer Science and Engineering**

**Venue: Board Room, NIET**

**Date & Time: 22-01-2024 & 11.00 am**

**Agenda**

BoS / CSE 01.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Information Technology
BoS / CSE 01.2	:	Introduction of members
BoS / CSE 01.3	:	Business brought by the Chairperson, Board of Studies as follows
	01.3.1	Presentation of R2023 Curriculum Structure of B.E. Computer Science and Engineering
	01.3.2	Presentation of Semester II Syllabus of B.E. Computer Science and Engineering
	01.3.3	Presentation of Semester II Syllabus for other UG Programmes
BoS / CSE 01.4	:	Suggestion given by the BoS Members
BoS / CSE 01.5	:	Any other items – Other Recommendations (if any)

**Dr. P. MANIARASAN**

Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

### Minutes of Meeting

The Second Board of Studies Meeting of B.E Computer Science and Engineering was held on 22-01-2024 at board room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / CSE 01.1	:	<i>Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Information Technology</i>
	:	The Chairperson, Board of Studies of the Computer Science and Engineering welcomed and introduced the Members of the Second Board of Studies and thanked each and every one of them for sparing their valuable time for participating in the BoS and sharing their suggestions and experiences.
BoS / CSE 01.2	:	<i>Introduction of Faculty Members to BoS Members</i>
BoS / CSE 01.3	:	The Chairperson, BOS of the Computer Science and Engineering introduced the Internal Faculty Members to the External Members
BoS / CSE 01.3.1	:	TO CONFIRM AND APPROVE Curriculum Structure for B.E. Computer Science and Engineering under R 2023. (Enclosed in Annexure - II)
BoS / CSE 01.3.2	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester II) for B.E. Computer Science and Engineering under R-2023 and Value Added Course. (Enclosed in Annexure - III)
BoS / CSE 01.3.3	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester II) for U.G. other Programmes under R 2023. (Enclosed in Annexure - IV)
BoS / CSE 01.4	:	<i>Approval and Suggestions given by the BoS Members as follows</i>
CSE 01.4.1	:	The Chairperson of Board of Studies (BOS), Dr. S. Subasree, presented minutes of the firsts BoS meeting held on 02.11.2023 and the action taken reports were discussed.  The Chairperson of Board of Studies (BOS), Dr. S. Subasree, presented the Curriculum of B.E. Computer Science and Engineering under R-2023 before the BoS Members.  The Chairperson of Board of Studies (BOS), Dr. S. Subasree presented the syllabus of U23CS205 Programming in C, U23CS219 Programming in C Laboratory and Value Added Course before BoS Members.  The BoS Members approved the Curriculum of B.E. Computer Science and Engineering, and Syllabus of Semester II for B.E. Computer Science and Engineering under R-2023.  The BoS Members approved the First Year Curriculum and Syllabus (Semester II) for U.G. other Programmes under R2023
CSE 01.4.2	:	The Chairperson of Board of Studies (BOS), Dr. S. Subasree, presented the Curriculum of Semester III to Semester VIII of B.E.

  
**Dr. P. MANIWARAN**  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105

	Computer Science and Engineering under R-2023 before BoS Members. BoS Members has given a few suggestions which are given in the Section BoS/CSE1.5 and all the suggested points will be considered and to be resolved in the Upcoming BoS Meeting.
BoS / CSE 01.5	: Any other items
01.5.1	The following recommendations are advised by BoS Members in the second BoS meeting held on 22-01-2024. <ul style="list-style-type: none"> <li>• Dr. A. Meena Kowshalya, Associate Professor, Government College of Technology, Coimbatore who nominated as University Nominee by VC, Anna University suggested the following</li> <li>• Semester III Course User Interface Design to be Replaced by Web Programming as Integrated Course</li> <li>• To Introduce 1 credit value added course on disaster management for UG Program.</li> </ul>
	<ul style="list-style-type: none"> <li>• Dr. Prashant R. Nair School of Computing, Amrita University advised to replace the semester-4 course computer architecture as computer organization and architecture with ARM.</li> <li>• Dr. Prashant R. Nair advised to change the course security and privacy in cloud as cloud security from professional elective - III.</li> <li>• Mr Saravanan Annadurai, Consultant, uLektz Learning Solutions, Chennai who served as Industry Expert has suggested to add few experiments based on numerical methods in semester-II Programming in C Laboratory</li> <li>• The BoS Panel Members suggested swapping the course artificial intelligence and machine learning from semester 5 to semester 4.</li> <li>• Dr. Prashant R. Nair suggested swapping the course computer networks from semester 4 to semester 5.</li> <li>• The BoS Members appreciated the efforts taken by Chairperson of BOS, Dr. S. Subasree and her Team for framing the Curriculum for B.E. Computer Science and Engineering and First Year Syllabus.</li> </ul>

The BoS Members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were recommended for Curriculum and Syllabus Updation as mentioned above.

Based on the suggestions given by the Members, BoS resolved to recommend the

- Curriculum Structure for B.E. Computer Science and Engineering under R2023. (Annexure - II)
- First Year Curriculum and Syllabus (Semester II) for B.E. Computer Science and Engineering under R-2023. (Annexure - III)
- First Year Curriculum and Syllabus (Semester II) for U.G. other Programmes under R2023. (Annexure - IV)



Dr. P. MANIARASAN

After carrying out the modifications suggested by the BoS Members, under Regulation 2023 to the Academic Council for further approval.

Dr. S. Sivakumar, Computer Science and Engineering proposed Vote of thanks for BoS Members for their Innovative Ideas and Suggestions shared for framing the better Curriculum and Syllabus. The Second Board of Studies Meeting ended successfully.

*S. Sivakumar*  
2/2/24

*P. Mani*  
Dr. P. MANIARASAN  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

*P. Mani*

Dr. P. MANIARASAN

Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

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Date: 27.01.2024

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Action Taken Report

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	<p>Dr. A. MeenaKowshalya, Associate Professor, Government College of Technology, Coimbatore who nominated as University Nominee by VC, Anna University suggested the following</p> <ul style="list-style-type: none"><li>Semester III Course User Interface Design to be replaced by Web Programming as Integrated Course.</li><li>To Introduce 1 credit value added course on disaster management for UG Program.</li></ul>	<p>User Interface Design course will be replaced as web programming with integrated lab. value added course on disaster management will be introduced as 1 credit and to be resolved in the Upcoming BoS Meeting</p>
2	<ul style="list-style-type: none"><li>Dr. Prashant R. Nair, School of Computing, Amrita University who is the Subject Expert advised to replace the semester-4 course computer architecture as computer organization and architecture with ARM.</li><li>Dr. Prashant R. Nair advised to change the course security and privacy in cloud as cloud security from professional elective - III.</li><li>Dr. Prashant R. Nair suggested swapping the course computer networks from semester 4 to semester 5.</li></ul>	<p>Semester-4 course computer architecture will be replaced as computer organization and architecture with ARM.</p> <p>Professional elective - III security and privacy in cloud will be changed as cloud security followed by swapping of the course computer networks from semester 4 to semester 5 and to be resolved in the Upcoming BoS Meeting.</p>
3	<ul style="list-style-type: none"><li>Mr. Saravanan Annadural, Consultant, uLektz Learning Solutions, Chennai who served as Industry Expert has suggested to add few experiments based on numerical methods in semester-II Programming in C Laboratory</li></ul>	<p>Semester-II Programming in C Laboratory will be updated with few numerical methods experiments and to be resolved in the Upcoming BoS Meeting.</p>

  
BOARD CHAIRMAN 27/1/24



  
PRINCIPAL

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg & Technology  
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# **Department of Electrical and Electronics Engineering**



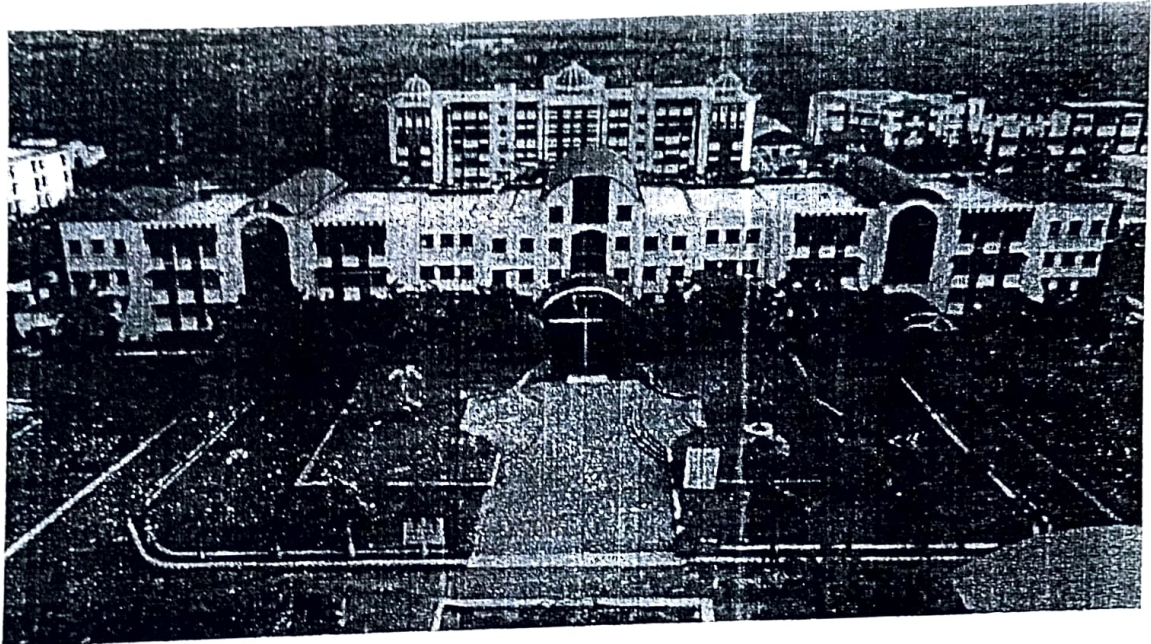
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**SECOND BOARD OF STUDIES MEETING – MINUTES**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**B.E. Electrical and Electronics Engineering**

Venue: NGI TBI-Board Room  
Date & Time: 05.04.2024 & 11.00 AM

**Dr. P. MANI JARASAN**  
Principal  
Nehru Institute of Engineering and Technology  
Thirumalayampalayam, Coimbatore-641 105



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NBA Accredited UG Programmes : AERO | CSE


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Agenda

Welcome Address	:	Dr. R. Kannan Professor & Head Electrical and Electronics Engineering Nehru Institute of Engineering and Technology
Introduction of Members.	:	Dr. R. Kannan Professor & Head Electrical and Electronics Engineering Nehru Institute of Engineering and Technology
Presentation of Curriculum and Syllabus B.E. Electrical and Electronics Engineering	:	Dr. R. Kannan Professor & Head Electrical and Electronics Engineering Nehru Institute of Engineering and Technology
Vote of Thanks.	:	Dr. R. Anand Associate Professor Electrical and Electronics Engineering Nehru Institute of Engineering and Technology

  
Chairperson/BoS

  
Principal

  
**Dr. P. MANI ARASAN**  
Principal  
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## Second Board of Studies Meeting

### Department of Electrical and Electronics Engineering

Venue: NGI TBI Board Room

Date & Time: 05.04.2024 & 11.00 AM

#### Agenda

BoS/ EEE2.1	:	Welcome Address and Introduction about the Department of Electrical and Electronics Engineering by Chairperson, Board of Studies, Department of Electrical and Electronics Engineering	
BoS / EEE2.2	:	Introduction of Board of Studies Members.	
BoS / EEE2.3	:	Business brought by the Chairperson, Board of Studies as follows	
		2.3.1	Presentation of R-2023 Curriculum and Syllabus of B.E. Electrical and Electronics Engineering (Semester II, III & IV)
		2.3.2	Presentation of R-2024 Curriculum and Syllabus of B.E. Electrical and Electronics Engineering (Semester I & II)
BoS / EEE2.4	:	Suggestion given by the BoS Members.	
BoS / EEE2.5	:	Any other items – Other Recommendations (if any)	

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg & Technology  
Thirumalayampalayam, Coimbatore - 641 105

## Minutes of Meeting

The Second Board of Studies Meeting of Electrical and Electronics Engineering held on 05-04-2024 at NGI TBI Board Room of Nehru Institute of Engineering and Technology, Coimbatore.


BoS / EEE2.1	:	Welcome Address and Opening remarks by Chairperson, Board of Studies, Department of Electrical and Electronics Engineering.
		The Chairperson, Board of Studies of the Electrical and Electronics Engineering welcomed and introduced the members of Second Board of Studies and thanked each and every one of them for sparing their valuable time for participating in the BoS and sharing their suggestions and experiences.
BoS / EEE2.2	:	Introduction of Faculty Members to BoS Members
		The Chairperson, BoS of the Electrical and Electronics Engineering introduced the internal faculty members to the external members.
Ref : Letter from Director, Centre for Academic Courses, Anna University, Chennai Letter No. 3460/AU/CAC/2023		
BoS / EEE2.3.1	:	With the reference to the above letter cited, the following activities were performed by the BoS Members
		<b>To Confirm and approve</b> Curriculum and Syllabus for B.E. Electrical and Electronics Engineering under R- 2023. (Enclosed in Annexure - I)
BoS / EEE2.3.2		<b>To Confirm and approve</b> Curriculum and Syllabus for B.E. Electrical and Electronics Engineering under R- 2024. (Enclosed in Annexure - II)
BoS / EEE2.4	:	<b>Approval and Suggestions given by the BoS Members as follows</b>
BoS / EEE2.4.1		<ul style="list-style-type: none"><li>➤ The Chairperson of Board of Studies (BoS), Dr. R. Kannan, presented the Curriculum of B.E. Electrical and Electronics Engineering under R-2023 &amp; R- 2024 in front of the BoS Members.</li><li>➤ The Chairperson of Board of Studies (BoS), Dr. R.Kannan presented the syllabus of third and fourth semester of R-2023 in front of B Members.</li></ul>

  
Dr. P. MANIARASAN

Principal

Nehru Institute of Engg. & Technology  
Palayam, Coimbatore - 641 105.

	<p>➤ The BoS Members approved the Curriculum and syllabus of Semester II, III &amp; IV for B.E. Electrical and Electronics Engineering under R-2023.</p> <p>➤ The BoS Members approved the Curriculum and syllabus of Semester I &amp; II for B.E. Electrical and Electronics Engineering under R-2024.</p>
BoS / EEE2.4.2	<p>➤ BoS Members has given a few suggestions which are given in the Section BoS/EEE2.5 and all the suggested points will be considered and to be resolved in the upcoming BoS Meeting.</p>
BoS / EEE 2.5	<b>Other Recommendations</b>
BoS / EEE2.5.1	<p>The following recommendations are advised by BoS Members to consider for the upcoming Academic Year 2024-2025 onwards</p> <p><b>Dr.C.Govindaraju</b>, Associate Professor, Department of EEE, Government College of Engineering, Salem who nominated as University Nominee by VC, Anna University suggested the following</p> <p>Measurements and Instrumentation course can be included in IV Semester instead of III Semester.</p>
	<p><b>Dr.S.Balamurugan</b>, Professor, Department of EEE, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, advised the following</p> <p>Microprocessor and Microcontroller Theory and Laboratory courses can be included in V Semester instead of VI Semester.</p> <p>Signals and Systems course can be included in III Semester instead of IV Semester.</p>
	<p><b>Dr.J.Jayakumar</b>, Professor, Department of EEE, Karunya Institute of Technology and Sciences, Coimbatore, Suggested to include BTL for all course outcomes.</p>
	<p>The BoS Members appreciated the efforts taken by Chairperson of BoS, Dr. R.Kannan and his team for framing the Curriculum and syllabus for B.E. Electrical and Electronics Engineering.</p>

  
**Dr. P. MANIARASAN**  
Principal

Karunya Institute of Engg. & Technology  
Coimbatore - 641 030

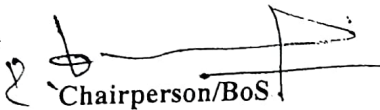
The BoS members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were recommended appropriately in the curriculum and syllabus of R-2023 & R-2024.

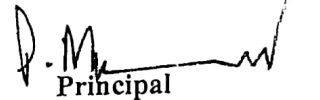
Based on the suggestions given by the members, BoS resolved to recommend the

- Structure of Curriculum and Syllabus for B.E. Electrical and Electronics Engineering under R-2023. (Annexure - I)
- Structure of Curriculum and Syllabus for B.E. Electrical and Electronics Engineering under R-2024. (Annexure - II)

After carrying out the modifications suggested by the BoS Members, for Regulation 2023 & Regulation 2024 it is submitted to the Academic Council for further approval.

Dr. R.Anand, Associate Professor, Electrical and Electronics Engineering proposed Vote of thanks for BoS Members for their Innovative Ideas and Suggestions shared for framing the Curriculum and Syllabus. The Second Board of Studies Meeting ended successfully.

  
Chairperson/BoS

  
Principal

  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.



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**Department of Electrical and Electronics Engineering**

**Action Taken Report of 2<sup>nd</sup> Board of Studies Meeting**

Venue: NGI TBI Board Room,

Date & Time: 05-04-2024 & 11.00 AM

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	Signals and Systems Course can be included in III Semester instead of IV Semester.  Measurements and Instrumentation course can be included in IV Semester instead of III Semester.  Microprocessor and Microcontroller theory and Laboratory course can be included in V Semester instead of VI Semester.	Suggestions have been implemented as given by experts.

  
CHAIRPERSON

  
PRINCIPAL

  
**Dr. P. MANIWARAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.



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## Minutes of the first Board of Studies meeting

The first Board of Studies(BoS) Meeting of Electrical and Electronics Engineering was held on 04-11-2023 at NGI TBI Board Room of Nehru Institute of Engineering and Technology, Coimbatore. The Following members attended the meeting.




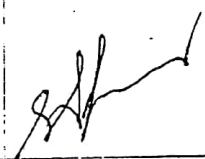


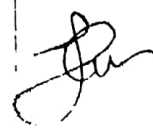
Board : Faculty of Electrical and Electronics Engineering			
S.No	Category	Name & Affiliation of Members	Signature
1	Chairman	Dr.R.Kannan, Professor and Head, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	 4/11/23
2	University Nominee	Dr.C.Govindaraju Associate Professor & Head, Department of EEE, Government College of Engineering Thanjavur - 613 402	 4/11/2023
3	Subject Experts from outside the Parent University	Dr.J.Jayakumar, Professor, Department of EEE, Karunya Institute of Technology and Sciences, Coimbatore- 641 114	 4/11/23
		Dr.S.Balamurugan, Professor, Department of EEE., Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore - 641 112	 4/11/2023
4	Industry Expert	Mr.C.Aravind, Managing Director, V C Enterprises, kondayan palayam road, 60/1, Vaiyampalayam Post, Coimbatore 641 110	 C. Aravind
5	Alumni Member	Ms.M. Vijayalaxmi, Software Engineer, Wipro Limited, Bangalore	 M. Vijayalaxmi

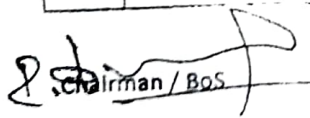
**Dr. P. MANIWARAN**  
Principal

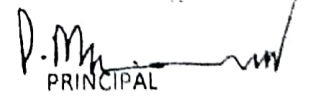
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6

Internal Faculty  
Members.

Dr.S.Sakthivel, Professor, Department of FFE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
Dr.R.Anand, Associate Professor, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
Dr.M.Manorajapaul, Assistant Professor, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
Mr.A.Arulkumar, Assistant Professor, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	A. Arulkumar
Dr.S.Arunkumar, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
Dr.S.Daison Stallen, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
Mr.K.Edison Prabhu, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
Mrs.B.Nandhini, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	B. Nandhini
Mr.D.Saravanakumar, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	

  
Chairman / BOS

  
PRINCIPAL

  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Enng. & Technology  
T.M.Palayam, Coimbatore - 641 105.



# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## Department of Electrical and Electronics Engineering

### Minutes of the first Board of Studies meeting

The Board of Studies Meeting of Electrical and Electronics Engineering held on 04-11-2023 at NGI TBI Board Room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / EE1.1	: Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Electrical and Electronics Engineering.
BoS / EE1.1.1	The Chairman, BoS of the Electrical and Electronics Engineering welcomed and introduced the members of First Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / EE1.2	: Introduction of Members
BoS / EE1.2.1	The Chairman, BoS of the Electrical and Electronics Engineering introduced the internal and external members.
BoS / EE1.3	: The following points were resolved and approved by the BoS Members.
BoS / EE1.3.1	Confirmed and approved Curriculum structure for B.E. Electrical and Electronics Engineering under R 2023. (Enclosed in Annexure - I)
BoS / EE1.3.2	Confirmed and approved 1-Year Syllabus for B.E. Electrical and Electronics Engineering Subjects (Enclosed in Annexure - II)

  
**Dr. P. MANIWARAN**  
Principal

Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105

BoS / EE1.4	Suggestion given by the BoS Members
BoS / EE1.4.1	Fourier Series Laplace Transform should be included in 2 <sup>nd</sup> semester for EEE students
BoS / EE1.4.2	C Programming and Data Structures Laboratory can be combined with theory course in III Third Semester
BoS / EE1.4.3	Signals and Systems Course Can be included in IV Semester.
BoS / EE1.4.4	Control and Instrumentation laboratory course can be included in IV Semester instead of V Semester.
BoS / EE1.4.5	Microprocessor and Microcontroller Laboratory course can be included in V Semester instead of VI Semester.
BoS / EE1.4.6	Power Electronics and Drives Laboratory Course can be included in VI Semester instead of V Semester.
BoS / EE1.4.7	For Mandatory Courses, instead of Zero Credits P/F may be mentioned.
BoS / EE1.4.8	Suggested to combine Verticals V & VI in professional electives and framed as single list.
BoS / EE1.4.9	Millman's theorem and Tellegen's Theorem Content can be removed in Electric Circuit Analysis. DSO'S Operation and Data Acquisition systems can be removed in Basic Electrical and Electronics Engineering.
BoS / EE1.5	: Any other items
BoS / EE1.5.1	The members appreciated the B.E. Electrical and Electronics Engineering curriculum structure and Syllabus for all first year Basic Electrical and Electronics Engineering Courses; however they suggested that the teaching learning and evaluation process needs to be designed for the integrated courses in such a way that the learner should get the full benefit of that.

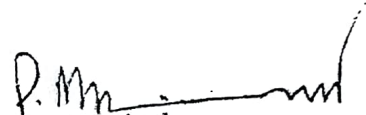
The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the curriculum and syllabus of R2023.


  
**Dr. P. MANIARASAN**  
 Principal  
 Nehru Institute of Engg. & Technology  
 T.M.Palayam, Coimbatore - 641 105.

Based on the suggestions given by the members, BoS resolved to recommend the Structure of Curriculum and syllabus for the all 1<sup>st</sup> Year courses prescribed for Basic Electrical and Electronics Engineering Courses (Annexure I and II) after carrying out the modifications suggested by the members, under Regulation 2023 to the Academic Council for further approval.

Dr. R.Anand, Associate Professor / Electrical and Electronics Engineering proposed vote of thanks for their kind cooperation and the meeting came to an end.

  
CHAIRMAN/BoS

  
Principal

  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

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## Attendance Sheet of Board of Studies Meeting

Venue: NGI TBI Board Room

Date: 04.11.23

Time: 11.00 AM

Board : Faculty of Electrical and Electronics Engineering			
S.No	Category	Name & Affiliation of Members	Signature
1	Chairman	Dr.R.Kannan, Professor and Head, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-611 105	 4/11/23
2	University Nominee	Dr.C.Govindaraju Associate Professor & Head, Department of EEE, Government College of Engineering Thanjavur - 613 402	 4/11/2023
3	Subject Experts from outside the Parent University	Dr.J.Jayakumar, Professor, Department of EEE, Karunya Institute of Technology and Sciences, Coimbatore- 641 114	 4/11/23
		Dr.S.Balamurugan, Professor, Department of EEE, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore - 641 112	 4/11/23
4	Industry Expert	Mr.C.Aravind, Managing Director, V C Enterprises, Komayam Palayam road, 60/1, Vayampalayan Post, Coimbatore - 641 110	 4/11/23
5	Alumni Member	Ms.M. Vijayalaxmi, Software Engineer Wipro Limited, Bangalore	 4/11/23

Dr. P. MANIARASAN

Principal

Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105.

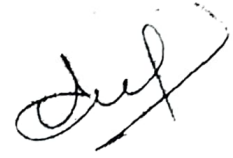
6

Internal Faculty  
Members.

Dr.S.Sakthivel,  
Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



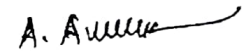
Dr.R.Anand,  
Associate Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



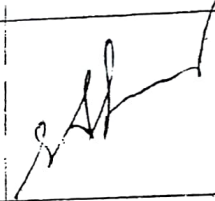
Dr.M.Manorajapaul,  
Assistant Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



Mr.A.Arulkumar,  
Assistant Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



Dr.S.Arunkumar,  
Assistant Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



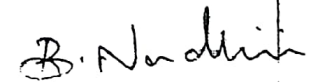
Dr.S.Daison Stallon,  
Assistant Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



Mr.K.Edison Prabhu,  
Assistant Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



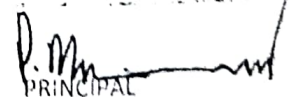
Mrs.B.Nandhini,  
Assistant Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105



Mr.D.Saravankumar,  
Assistant Professor, Department of EEE,  
Nehru Institute of Engineering and Technology,  
Coimbatore-641 105




Chairman / BOS



PRINCIPAL

  
Dr. P. MANIARASAN  
Principal

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**Department of Electrical and Electronics Engineering**

**Action Taken Report of 1<sup>st</sup> Board of Studies Meeting**


Venue: NGE TBI Board Room.

Date & Time: 04-11-2023 & 11.00 AM

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	Suggested to include Signals and Systems in R 2023 Curriculum.	Suggestions were implemented in R 2023 Curriculum. Offered Signals and Systems as a 4 Credits Course in fourth Semester.
2	Fourier Series/Laplace Transform should be included in 2 <sup>nd</sup> semester for EEE students	It Will be considered while framing next Regulations of Curriculum.
3	For Mandatory Courses instead of '0' Credits P/F May be mentioned	Suggestions will be forwarded to Academic Council and try to incorporate in future.
4	C Programming and Data Structures Laboratory can be combined with theory course in III Third Semester.  Power Electronics and Drives Laboratory Course can be included in VI Semester instead of V Semester.  Control and Instrumentation laboratory course can be included in IV Semester instead of V Semester.  Microprocessor and Microcontroller Laboratory course can be included in V Semester instead of VI Semester.  Suggested to combine Verticals V & VI in professional electives and framed as single list.	Suggestions have been implemented as given by experts.

  
BOARD CHAIRMAN

  
PRINCIPAL

  
Dr. P. MANIWARAN  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

kannan R <nietkannan@nehrucolleges.com>

Fwd:

Mon, Nov 6, 2023 at 4:06 PM

Dr.Sakthivel S <nietsakthivel.s@nehrucolleges.com>  
To: kannan R <nietkannan@nehrucolleges.com>

----- Forwarded message -----  
From: GOVINDARAJU C <drogovindaraju@gmail.com>  
Date: Mon 6 Nov, 2023, 3:28 PM  
Subject: Re:  
To: Dr.Sakthivel S <nietsakthivel.s@nehrucolleges.com>

Dear Professor,  
I hereby approve the minutes of the Board of Studies meeting held on 04-11-2023 for further processing.  
Thank you  
with regards  
Dr.C.Govindaraju

On Mon, Nov 6, 2023 at 1:28 PM Dr.Sakthivel S <nietsakthivel.s@nehrucolleges.com> wrote:  
Respected Professors,


Good afternoon all,

We thank you for attending the BoS meeting held on 04 NOV 23 and your valuable suggestions for improvement of the Curriculum and Syllabi.

Herewith, We have enclosed the minutes of the meeting of BoS for your reference.

Thanking you

Dr.C.Govindaraju  
Associate Professor  
Department of Electrical and Electronics Engineering  
Government College of Engineering  
Thanjavur-613402.  
Cell:9790189777, 6369501991  
Email: drogovindaraju@gmail.com

  
Dr. P. MANI ARASAN  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 103.

kannan R <nietkannan@nehrucolleges.com>

NEHRU GROUP OF INSTITUTIONS

Fwd: BoS meeting minuts

Mon, Nov 6, 2023 at 4:08 PM

Dr.Sakthivel S <niet sakthivel.s@nehrucolleges.com>  
To: kannan R <nietkannan@nehrucolleges.com>

----- Forwarded message -----  
From: Dr. JAYAKUMAR J. 299 <jayakumar@karunya.edu>  
Date: Mon 6 Nov. 2023. 2:41 PM  
Subject: Re: BoS meeting minuts  
To: Dr.Sakthivel S <niet sakthivel.s@nehrucolleges.com>

Dear sir,  
I have gone through the modified curriculum and syllabi...

I am agreeing with your updated curriculum. You can proceed further and offer the curriculum for the forthcoming batches...  
Once again thank you for the opportunity provided to me to serve as a BoS member.

On Monday, November 6, 2023, Dr.Sakthivel S <niet sakthivel.s@nehrucolleges.com> wrote:

Respected Professors,

Good afternoon all,

We thank you for attending the BoS meeting held on 04 NOV 23 and your valuable suggestions for improvement of the Curriculum and Syllabi.

Herewith, We have enclosed the minutes of the meeting of BoS for your reference.

Thanking you

Thanks & Regards

J.Jayakumar (ID:299)  
Professor  
Department of Electrical and Electronics  
Karunya Deemed to be University  
Coimbatore-641114  
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1800 425 4300 (Toll Free)

  
**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg. & Technol  
Tiruparaiyam, Coimbatore - 641 100



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## Minutes of the Second Board of Studies meeting

The Second Board of Studies Meeting of Electrical and Electronics Engineering held on 05-04-2024 at NGI TBI Board Room of Nehru Institute of Engineering and Technology, Coimbatore. The Following members attended the meeting.

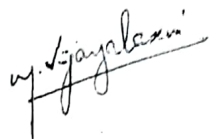
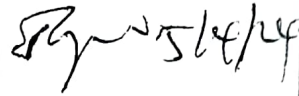


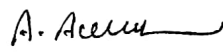


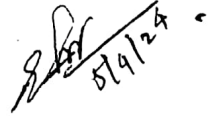
Board : Faculty of Electrical and Electronics Engineering			
S.No	Category	Name & Affiliation of Members	Signature
1	Chairperson	Dr.R.Kannan, Professor and Head, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
2	University Nominee	Dr.C.Govindaraju Associate Professor, Department of EEE, Government College of Engineering Salem - 636 011	 5/4/2024
3	Subject Experts from outside the Parent University	Dr.J.Jayakumar, Professor, Department of EEE, Karunya Institute of Technology and Sciences, Coimbatore- 641 114	 5/4/2024
		Dr.S.Balamurugan, Professor, Department of EEE, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore - 641 112	 5/4/2024
4	Industry Expert	Mr.C.Aravind, Managing Director, V C Enterprises, kondayan palayam road, 60/1, Vaiyampalayam Post, Coimbatore - 641 110	 5/4/24

Dr. P. MANIARASAN



Principal


Nehru Institute of Engg. & Technol

Thirumalayampalayam, Coimbatore - 641 105

5	Alumni Member	Ms.M. Vijayalaxmi, Software Engineer, Wipro Limited, Bangalore	
6	Internal Faculty Members.	Dr.S.Sakthivel, Professor, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
		Dr.R.Anand, Associate Professor, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
		Dr.M.Manorajapaul, Assistant Professor, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
		Mr.A.Arulkumar, Assistant Professor, Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
		Dr.S.Arunkumar, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
		Dr.S.Daison Stallon, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	
		Dr.K.Edison Prabhu, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	

  
**Dr. P. MANIARASAN**  
 Principal  
 Nehru Institute of Engg & Technology  
 T.M.Palayam, Coimbatore - 641 105.

	Mrs.B.Nandhini, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	 5/4/24
	Mr.D.Saravanakumar, Assistant Professor Department of EEE, Nehru Institute of Engineering and Technology, Coimbatore-641 105	

  
Chairperson / BoS

  
PRINCIPAL

  
**Dr. P. MANI ARASAN,**  
Principal  
Nehru Institute of Enng & Technology  
T.Mi.Palayam, Coimbatore - 641 105.



**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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# **Department of Electronics and Communication Engineering**



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Nehru Gardens, Thirumalayampalayam, Coimbatore - 641 105  
**Department of Electronics and Communication Engineering**

## COMPOSITION OF BOARD OF STUDIES

Members	Member Details
Chairperson	Dr.V. Jayaraj, Professor and Head, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore -641105
University Nominee	Dr. D. Mary Sugantharathinam, Associate Professor, Department of Electronics and Communication Engineering, Government College of Engineering, Bodinayakanur- 625582.
Subject Experts from outside the Parent University	Dr.S.Immanuel Alex Pandian Associate Professor, Department of Electronics and Communication Engineering, Karunya Institute of Technology and Science, Karunya University, Karunya Nagar, Coimbatore-641114.
	Dr. R Gandhiraj, Associate Professor, Department of Electronics and Communication Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham , Coimbatore.
Industry Expert	Dr.R.Vimalathitan Director - KRISHTEC, 286, Thadagam Road, Coimbatore.
Alumni Member	Mr. Steephan Selvaraj Vice President-Product Development, CREDOPAY Guindy industrial Estate Ekkatuthanagal , Chennai.
Internal Faculty Members	Dr.R.Deepa, Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105
	Dr.M.A.Raja, Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105

  
**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

**Internal Faculty  
Members**

Dr.K.Nagarajan,  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

Dr.D.Nageswari  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

Dr.P.Parthiban,  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

Mrs.K.Sivakami  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105


Mrs.S.M.Deepa  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

Mr.S.Mohan,  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

Mrs.N.Revathi  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

Mrs.M.Jeba Paulin  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

Mr.M.Mohammed Kasim,  
Assistant Professor,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru Gardens, Thirumalayampalayam,  
Coimbatore, Tamil nadu-641105

  
**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

<b>Internal Faculty Members</b>	Mr. T. Prabu, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore, Tamil nadu-641105
	Mrs.R.Saranya, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore, Tamil nadu-641105
	Mr.V.Vinod Kumar, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore, Tamil nadu-641105
	Mrs.V.S.Vaisakhi Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore, Tamil nadu-641105
	Mrs.K.Alamelu Mangai, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore, Tamil nadu-641105


  
CHAIRPERSON / BoS

**Dr. V. JAYARAJ**  
Professor & Head  
Department of ECE  
Nehru Inst. of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105

  
PRINCIPAL

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105



  
**Dr. P. MANIARASAN**  
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"Nehru Gardens", Thirumaliyampalayam, Coimbatore - 641 105.



Ref No: NIE/T/CFE/BOS/23-24/001

Date: 30.10.2023

From

Dr. V. Jayaraj,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru garden, Thirumaliyampalayam, Coimbatore - 641 105

To

Dr. D. Mary Sugantharathnam,  
Associate Professor,  
Government College of Engineering,  
Bodinayakannur - 625582

**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dear Madam,

Sub-Invitation for First BoS Meeting Department of Electronics and Communication Engineering - reg

Ref: Letter No: 3460/AU/CAC/2023, Dated: 25.10.2023

Our Institution has been conferred with Autonomous Status by UGC, New Delhi, and Anna University, Chennai from the Academic Year 2023-2024. It is with great pleasure that I write to extend my warmest regards and to formally invite you to the first Board of Studies meeting of Department of Electronics and Communication Engineering at Nehru Institute of Engineering and Technology.

The meeting details are as follows:

Date: 03.11.2023

Time: 11.00 am

Venue: New Gen Board Room

Agenda for the Meeting:

3. Discussion and approval of curriculum and syllabus for B.E Electronics and Communication Engineering.
4. Discussion and approval of curriculum and syllabus for M.E Communication Systems.

With reference to the letter cited above, Anna University, Chennai has nominated your good self as a University Nominee for the Faculty of Electronics and Communication Engineering from Academic year 2023-2024. We are confident that your presence and expertise will significantly enhance our deliberations, enabling us to make decisions for the betterment of the entire academic community. We eagerly await your positive response and the opportunity to collaborate with you for the betterment of Nehru Institute of Engineering and Technology.

Warm regards,

**Dr. V. JAYARAJ**

Professor & Head

Department of Electronics and Communication Engineering,  
Nehru Institute of Engg. & Technology

T.M. Palayam, Coimbatore - 641 105

OUR VISION

To build a world-class institution of higher learning and research in technical and scientific fields by continuous upgradation of all the future challenges.

OUR MISSION

To build a strong centre of learning and research in engineering and technology  
To foster the growth and nurture discipline, culture and spirituality  
To produce quality engineers, dedicated scientists and leaders  
To encourage entrepreneurship  
To face the challenging needs of the global industry



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# NEHRU INSTITUTE OF ENGINEERING & TECHNOLOGY

An ISO 9001:2015 & 14001:2015 Certified Institution, Affiliated to Anna University, Chennai

Approved by AICTE, New Delhi, Recognized by UGC with Section 2(f) and 12(B)

Re-accredited by NAAC "A+", NBA Accredited (UG Courses : AERO & CSE)

"Nehru Gardens", Thirumalayampalayam, Coimbatore - 641 105.



Ref No: NIET/ECE/BOS/23-24/003

Date: 30.10.2023

From

Dr.V.Jayaraj,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru garden, Thirumaliyampalayam, Coimbatore – 641 105

To

Dr.R Gandhiraj,  
Associate Professor,  
Department of Electronics and Communication Engineering,  
Amrita School of Engineering,  
Amrita Vishwa Vidyapeetham Nagar, Coimbatore.

**Dr. P. MANI ARASAN**  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dear Sir,

Sub: **Invitation** for First BoS Meeting Department of Electronics and Communication Engineering – reg

Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023

Our Institution has been conferred with Autonomous Status by UGC, New Delhi, and Anna University, Chennai from the Academic Year 2023-2024. It is with great pleasure that I write to extend my warmest regards and to formally invite you to the first Board of Studies meeting of Department of Electronics and Communication Engineering at Nehru Institute of Engineering and Technology.

The meeting details are as follows:

Date: 03.11.2023                      Time: 11.00 am                      Venue: NewGen Board Room

Agenda for the Meeting:

1. Discussion and approval of curriculum and syllabus for B.E Electronics and Communication Engineering.
2. Discussion and approval of curriculum and syllabus for M.E Communication Systems.

You are nominated as Subject Expert for the Faculty of Electronics and Communication Engineering from Academic year 2023-2024. We are confident that your presence and expertise will significantly enhance our deliberations, enabling us to make decisions for the betterment of the entire academic community. We eagerly await your positive response and the opportunity to collaborate with you for the betterment of Nehru Institute of Engineering and Technology.

Warm regards,

**DR. V. JAYARAJ**  
Professor & Head



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"Nehru Gardens", Thirumalayampalayam, Coimbatore - 641 105.



Date: 30.10.2023

Ref No: NIET/ECE/BOS/23-24/002

From

Dr. V. Jayaraj,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru garden, Thirumaliyampalayam, Coimbatore - 641 105

To

Dr. Immanuel Alex Pandian. S  
Associate Professor,  
Department of Electronics and Communication Engineering,  
Karunya Institute of Technology and Science,  
Karunya Nagar, Coimbatore, Tamil Nadu - 641114

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.

Dear Sir

Sub:- **Invitation** for First BoS Meeting Department of Electronics and Communication Engineering - reg

Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023

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Warm regards,

**Dr. V. JAYARAJ**  
Professor & Head



#### OUR VISION

To mould the young minds of the students with technical and scientific knowledge in technical and scientific fields to face the future challenges by continuous upgradation of all resources and to bring about the development of the country as envisaged by our great leader Pandit Jawaharlal Nehru.

T.M. Palayam, Coimbatore - 641 105

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"Nehru Gardens", Thirumalayampalayam, Coimbatore - 641 105.



Date: 30.10.2023


Ref No: NIET/ECE/BOS/23-24/004

From

Dr. V. Jayaraj,  
Department of Electronics and Communication Engineering,  
Nehru Institute of Engineering and Technology,  
Nehru garden, Thirumalayampalayam, Coimbatore - 641 105

To

Dr. R. Vimalathitan  
Director - KRISHTEC,  
286, Thadagam Road, Coimbatore.

  
**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.

Dear Sir

Sub: **Invitation** for First BoS Meeting Department of Electronics and Communication Engineering - reg

Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023

Our Institution has been conferred with Autonomous Status by UGC, New Delhi, and Anna University, Chennai from the Academic Year 2023-2024. It is with great pleasure that I write to extend my warmest regards and to formally invite you to the first Board of Studies meeting of Department of Electronics and Communication Engineering at Nehru Institute of Engineering and Technology.

The meeting details are as follows:

Date: 03.11.2023

Time: 11.00 am

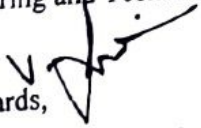
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You are nominated as Industry Expert for the Faculty of Electronics and Communication Engineering from Academic year 2023-2024. We are confident that your presence and expertise will significantly enhance our deliberations, enabling us to make decisions for the betterment of the entire academic community. We eagerly await your positive response and the opportunity to collaborate with you for the betterment of Nehru Institute of Engineering and Technology.

Warm regards,

  
**Dr. V. JAYARAJ**  
Professor & Head  
Department of ECE



**OUR VISION**  
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# NEHRU INSTITUTE OF ENGINEERING & TECHNOLOGY

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Accredited by NAAC, NBA Accredited UG Courses : AERO, CSE, [REDACTED]



Dr. P. Mani Arasan M.E, Ph.D.  
Principal

02.11.2023

Ref: NIET/ECE/BOS/23-24/007

To

Dr. D. Mary Sugantharathinam,  
Associate Professor,  
Government College of Engineering,  
Bodinayakannur- 625582

Dr. P. MANI ARASAN  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dear Sir/ Madam,

Sub: Board of Studies member- Anna University Nominee-Faculty of Electronics and  
Communication Engineering -Reg

Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023

Our Institution has been conferred with Autonomous Status by UGC, New Delhi, and Anna University, Chennai from the Academic Year 2023-2024. It is with great pleasure that I write to extend my warmest regards and to formally invite you to the first Board of Studies meeting of Department of Electronics and Communication Engineering at Nehru Institute of Engineering and Technology.

With reference to the letter cited above, Anna University, Chennai has nominated your good self as a **University Nominee** for the Faculty of Electronics and Communication Engineering Board for the period of 3 years from the Academic Year 2023-24 to 2025-2026. The First Board of Studies meeting is scheduled on 03.11.2023 at Nehru Institute of Engineering and Technology, Coimbatore.

We believe that your participation and valuable suggestions would help us to enhance our Curriculum and syllabi under Regulation 2023.

CHAIRPERSON/BOS

Dr. V. JAYARAJ  
Professor & Head  
Department of ECE,  
Nehru Inst. of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105



PRINCIPAL

02/11/2023

Dr. P. MANI ARASAN  
Principal

Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105

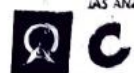
#### OUR VISION

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Dr.P.Maniiarasan M.E,Ph.D.  
Principal

02.11.2023

Ref: NIET/ECE/BOS/23-24/009

To

Dr.RGandhiraj,  
Associate Professor,  
Department of Electronics and Communication Engineering,  
Amrita School of Engineering,  
Amrita Vishwa Vidyapeetham Nagar, Coimbatore.

Dr. P. MANIIARASAN  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dear Sir/ Madam,

Sub: Board of Studies member- Subject Expert -Faculty of Electronics and  
Communication Engineering -Reg

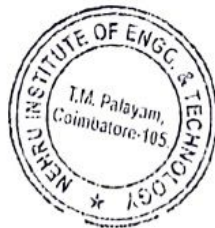
Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023

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You are nominated as **Subject Expert** for the **Faculty** of Electronics and Communication Engineering from the Academic Year 2023-24 to 2025-2026. The First Board of Studies meeting is scheduled on 03.11.2023 at Nehru Institute of Engineering and Technology, Coimbatore.

We believe that your participation and valuable suggestions would help us to enhance our Curriculum and syllabi under Regulation 2023.

CHAIRPERSON/BOS  
Dr. V. JAYARAJ  
Professor & Head  
Department of ECE



PRINCIPAL  
02/11/2023

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Dr. P. MANIIARASAN  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105



# NEHRU INSTITUTE OF ENGINEERING & TECHNOLOGY

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02.11.2023

Dr.P.Maniiarasan M.E,Ph.D.

Principal

Ref: NIET/ECE/BOS/23-24/008

To

**Dr.Immanuel Alex Pandian. S**

Associate Professor,

Department of Electronics and Communication Engineering,

Karunya Institute of Technology and Science,

Karunya Nagar, Coimbatore, Tamil Nadu - 641114

**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dear Sir/ Madam,

**Sub: Board of Studies member- Subject Expert -Faculty of Electronics and Communication Engineering –Reg**

**Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023**

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We believe that your participation and valuable suggestions would help us to enhance our Curriculum and syllabi under Regulation 2023.

**CHAIRPERSON/BOS**

**DR. V. JAYARAJ**



**PRINCIPAL**

02/11/2023

**DR. P. MANIARASAN**

Principal  
Nehru Institute of Engg. & Technology  
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Dr.P.Maniiarasan M.E,Ph.D.  
Principal

02.11.2023

Ref: NIET/ECE/BOS/23-24/010

To

Dr.R.Vimalathitan  
Director - KRISHTEC,  
286,Thadagam Road, Coimbatore.

  
Dr. P. MANIARASAN  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dear Sir/ Madam,

Sub: Board of Studies member- Industry Expert -Faculty of Electronics and  
Communication Engineering -Reg

Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023

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You are nominated as **Industry Expert** for the Faculty of Electronics and Communication Engineering from the Academic Year 2023-24 to 2025-2026. The First Board of Studies meeting is scheduled on 03.11.2023 at Nehru Institute of Engineering and Technology, Coimbatore.

We believe that your participation and valuable suggestions would help us to enhance our Curriculum and syllabi under Regulation 2023.

  
CHAIRPERSON/BOS

DR. V. JAYARAJ



  
PRINCIPAL

02.11.2023

Dr. P. MANIARASAN  
Principal

Nehru Institute of Engg. & Technology  
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02.11.2023

Dr.P.Maniiarasan M.E,Ph.D.

Principal

Ref: NIET/ECE/BOS/23-24/008

To

Mr. Steephan Selvaraj,  
Vice President-Product Development,  
CREDOPAY,  
Chennai

Dr. P. MANIARASAN  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

Dear Sir/ Madam,

Sub: Board of Studies member -Faculty of Electronics and Communication Engineering -Reg

Ref: Letter No : 3460/AU/CAC/2023, Dated: 25.10.2023

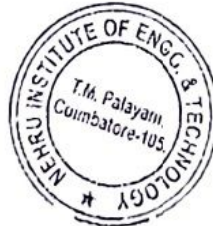
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You are nominated as **Alumni member** for the Faculty of Electronics and Communication Engineering from the Academic Year 2023-24 to 2025-2026. The First Board of Studies meeting is scheduled on 03.11.2023 at Nehru Institute of Engineering and Technology, Coimbatore.

We believe that your participation and valuable suggestions would help us to enhance our Curriculum and syllabi under Regulation 2023.

CHAIRPERSON/BOS

Dr. V. JAYARAJ



PRINCIPAL

02/11/2023

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Dr. P. MANIARASAN

Principal

Nehru Institute of Engg. & Technology  
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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



## Department of Electronics and Communication Engineering

### 1<sup>st</sup> Board of Studies Meeting - Agenda

Venue: NewGen IEDC Board Room, Nehru Institute of Engineering and Technology

Date & Time: 03-11-2023 & 11.00 AM

BoS/ EC1.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Electronics and Communication Engineering.	
BoS / EC1.2	:	Introduction of Members.	
BoS / EC1.3	:	Business brought by the Chairman, Board of Studies	
		1.3.1	R2023 Curriculum Structure for B.E. Electronics and Communication Engineering.
		1.3.2	I Year Syllabus for B.E. Electronics and Communication Engineering Subjects.
		1.3.3	R2023 Curriculum Structure for M.E. Communication Systems.
		1.3.4	I Year Syllabus for M.E. Communication Systems subjects.
BoS / EC1.4	:	Discussion and Suggestions by Panel Members	
BoS / EC1.5	:	Any other items.	
BoS / EC1.6	:	Vote of Thanks.	

  
CHAIRMAN / BoS

Dr. V. JAYARAJ  
Professor & Head  
Department of ECE  
Nehru Inst. of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105



  
Dr. P. MANIWARAN  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.

  
PRINCIPAL  
02/11/2023

Dr. P. MANIWARAN  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.



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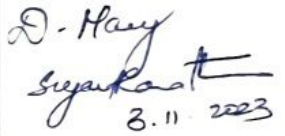
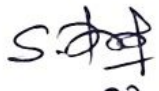






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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105

## Department of Electronics and Communication Engineering









### 1<sup>st</sup> Board of Studies Meeting of Minutes


The Board of Studies Meeting of Electronics and Communication Engineering held on 03-11-2023 at NewGen IEDC Board Room of Nehru Institute of Engineering and Technology, Coimbatore. The following members attended the meeting.

Members	Member Details	Signature
Chairman	Dr.V.Jayaraj, Professor and Head, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/2023
University Nominee	Dr. D. Mary Sugantharathinam, Associate Professor, Department of Electronics and Communication Engineering, Government College of Engineering, Bodinayakanur– 625582.	 8.11.2023
Subject Experts from outside the Parent University	Dr.S.Immanuel Alex Pandian Associate Professor, Department of Electronics and Communication Engineering, Karunya Institute of Technology and Science, KarunyaUniversity Karunya Nagar, Coimbatore-641114.	 03.11.2023
	Dr. R Gandhiraj, Associate Professor, Department of Electronics and Communication Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham , Coimbatore.	 3/11/2023
Industry Expert	Dr.R.Vimalathitan Director – KRISHTEC, 286, Thadagam Road, Coimbatore.	 3/11/2023
Alumni Member	Mr. Steephan Selvaraj Vice President-Product Development, CREDOPAY Guindy industrial Estate Ekkatuthanagal ,Chennai.	 03/11/2023

  
Dr. P. MANI ARASAN  
Principal  
Nehru Institute of Engg. & Technology  
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**Internal Faculty Members**

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Dr.M.A.Raja, Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/23
Dr.K.Nagarajan, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/23
Dr.D.Nageswari Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/23
Mrs.K.Sivakami Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/23
Mrs.S.M.Deepa Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/23
Mr.S.Mohan, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/23
Mrs.N.Revathi Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	 3/11/23

  
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<b>Internal Faculty Members</b>	Mrs.M.Jeba Paulin Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	<i>M. Jeba Paulin</i> 3/11/23
	Mr.M.Mohammed Kasim, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	<i>m.mohammed</i> 3/11/23
	Mr.T. Prabu, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	<i>T. Prabu</i> 3/11/23
	Mrs.R.Saranya, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	<i>R.S</i> 3/11/23
	Mr.V.Vinod Kumar, Assistant Professor, Department of Electronics and Communication Engineering, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore-641105.	<i>V.V</i>

*V. Jayaraj*  
3/11/2023  
**CHAIRMAN / BoS**  
**Dr. V. JAYARAJ**  
Professor & Head  
Department of ECE  
Nehru Inst. of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.



*P. Mani Arasan*  
03/11/2023  
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Accredited by NAAC, NBA Accredited UG Courses: AERO, CSE, [REDACTED]




## ATTENDANCE CERTIFICATE

This is to certify that **Dr. D. Mary Sugantharathinam, Associate Professor, Department of Electronics and Communication Engineering, Government College of Engineering, Bodinayakannur** has acted as **Anna University Nominee** in the Board of Studies in Department of **ELECTRONICS AND COMMUNICATION ENGINEERING** of Nehru Institute of Engineering and Technology on 03.11.2023.

  
**Dr. P. MANI ARASAN**  
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**PRINCIPAL**  
03/11/2023  
**Dr. P. MANI ARASAN**  
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Our Vision is to mould the youngsters to acquire sound knowledge in technical and scientific fields to face the future challenges by continuous upgradation of all resources and processes for the benefit of humanity as envisaged by our great leader Pandit Jawaharlal Nehru.

### OUR MISSION

- To build a strong centre of learning and research in engineering and technology.
- To facilitate the youth to learn and imbibe discipline, culture and spirituality.
- To produce quality engineers, dedicated scientists and leaders.
- To encourage entrepreneurship.
- To face the challenging needs of the global industries.

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## ATTENDANCE CERTIFICATE

This is to certify that **Dr.S.Immanuel Alex Pandian, Associate Professor,** Department of Electronics and Communication Engineering, Karunya Institute of Technology and Science has acted as Subject Expert in the Board of Studies in Department of **ELECTRONICS AND COMMUNICATION ENGINEERING** of Nehru Institute of Engineering and Technology on 03.11.2023.

**Dr. P. MANIARASAN**  
Principal  
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**PRINCIPAL**

03/11/2023

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## ATTENDANCE CERTIFICATE

This is to certify that **Dr. R Gandhiraj**, Associate Professor, Department of Electronics and Communication Engineering, Amrita School of Engineering has acted as Subject Expert in the Board of Studies in Department of **ELECTRONICS AND COMMUNICATION ENGINEERING** of Nehru Institute of Engineering and Technology on 03.11.2023.

  
**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
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03/11/2023  
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## ATTENDANCE CERTIFICATE

This is to certify that **Dr. R Vimalathitan, Director – KRISHTEC**, has acted as **Industry Expert** in the Board of Studies in Department of **ELECTRONICS AND COMMUNICATION ENGINEERING** of Nehru Institute of Engineering and Technology on 03.11.2023.

*P. Mani Arasan*

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
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*P. Mani Arasan*  
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## ATTENDANCE CERTIFICATE

This is to certify that **Mr. Steephan Selvaraj, Vice President-Product Development, CREDOPAY**, has acted as **Alumni member** in the Board of Studies in Department of **ELECTRONICS AND COMMUNICATION ENGINEERING** of Nehru Institute of Engineering and Technology on 03.11.2023.

**Dr. P. MANIARASAN**  
Principal  
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03/11/2023

**Dr. P. MANIARASAN**

Principal

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## Department of Electronics and Communication Engineering

04.11.2023

### 1<sup>st</sup> Board of Studies ACTION TAKEN REPORT

S.No	Suggestions Given by BoS Members	Action Taken
1	It is recommended to include Simulation experiments in U23EC219-Circuits Analysis Laboratory Course.	Carried out

  
CHAIRMAN/BoS

**Dr. V. JAYARAJ**  
Professor & Head  
Department of ECE  
Nehru Inst. of Engg. & Tech  
T.M. Palayam, Coimbatore - 641 105.



  
PRINCIPAL

**Dr. P. MANIARASAN**  
Principal  
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# **Department of Mechanical Engineering**

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## ACADEMIC YEAR 2023-2024

### COMPOSITION OF BOARD OF STUDIES

#### Department of Mechanical Engineering

Chairperson	<b>Dr.M.SANTHOSH,</b> Professor & Head, Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105 Email: nietmechhod@nehrucolleges.com Mobile: 9788681134
All faculty members of the department	<b>Dr.K.ANGANAN,</b> Professor, Nehru Institute of Engineering and Technology, Coimbatore, 641105 Email: nietanganan.k@nehrucolleges.com Mobile: 8870456766
	<b>Dr.P.SENTHILKUMAR,</b> Associate Professor, Nehru Institute of Engineering and Technology, Coimbatore, 641105 Email : nietsenthilkumar.p@nehrucolleges.com Mobile: 7010502913
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	<b>Mr. A. ATHITHANAMBI,</b> Assistant Professor, Nehru Institute of Engineering and Technology, Coimbatore, 641105 Email :nietathithanambi@nehrucolleges.com Mobile: 9994262346
Two Experts from outside the Parent University	<b>1. Dr. M. UTHAYAKUMAR,</b> Professor, Faculty of Mechanical Engineering, Kalasalingam Academy of Research and Education, Krishnankoil -626126, Virudhunagar District. Email :m.uthayakumar@klu.ac.in Mobile : 9443918525 <b>2. Dr. S. SYATH ABUTHAKEER</b> Associate Professor Department of Mechanical Engineering, PSG College of Technology, Coimbatore-641004. Email :syathpsgtech@gmail.com Mobile :9486127426
One expert to be nominated by VC	<b>Dr. S. SIVASANKAR</b> Associate Professor Department of Mechanical Engineering, Government College of Engineering, Thanjavur -613402. Email :ssivasankar@gcetj.edu.in Mobile :8248924421

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Expert for special courses of study	Dr.C.SATHIYA NARAYANAN, Professor, Department of Production Engineering, National Institute of Technology, Tiruchirappalli, 620015 Email:csathiya@nitt.edu Mobile : 8056615876
Industry Expert	Mr.M.MANICKAVASAGAM, Managing Director, KVB International Energy Services Pvt Limited, Coimbatore 641021 Email :manickavasagam@kvbinternational.in Mobile : 8778408024
Alumni	Mr.S.U.SUBASH, Analyst, Deloitte Consulting Pvt. Ltd. Bangalore. Batch : 2017-21 Email :subashsusaravanan26@gmail.com Mobile : 7550386256

  
PRINCIPAL

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## Department of Mechanical Engineering

### First Board of Studies Meeting

Venue: Board Room, NIET

Date & Time: 03-11-2023 & 10.00 am

#### Agenda

BoS / ME01.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Mechanical Engineering
BoS / ME01.2	:	Introduction of members
BoS / ME01.3	:	Business brought by the Chairman, Board of Studies
	01.3.1	R2023 Curriculum Structure for B.E. Mechanical Engineering
	01.3.2	First Year Syllabus for B.E. Mechanical Engineering
	01.3.3	First Year Syllabus for other UG Programmes
	01.3.4	R2023 Curriculum Structure for M.E. CAD/CAM
	01.3.5	First Year Syllabus for M.E. CAD/CAM
BoS / ME01.4	:	Suggestion given by the BoS Members
BoS / ME01.5	:	Any other items

**Dr. P. MANIARASAN**  
Principal

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## Minutes of Meeting

The Board of Studies Meeting of **Mechanical Engineering** held on 03-11-2023 at Board room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / ME01.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Mechanical Engineering
	:	The Chairman, BOS of the Mechanical Engineering welcomed and introduced the members of First Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / ME01.2	:	Introduction of members
	:	Dr. M. Santhosh, The Chairman, BOS of the Mechanical Engineering introduced the internal and external members
BoS / ME01.3.1	:	CONFIRMED AND APPROVED Curriculum structure for B.E. Mechanical Engineering under R 2023. (Enclosed in Annexure - I)
BoS / ME01.3.2	:	CONFIRMED AND APPROVED First year Syllabus for B.E. Mechanical Engineering under R-2023. (Enclosed in Annexure - II)
BoS / ME01.3.3	:	CONFIRMED AND APPROVED First year Syllabus for U.G. other programmes syllabus under R 2023. (Enclosed in Annexure - III)
BoS / ME01.3.4	:	CONFIRMED AND APPROVED Curriculum structure for M.E. CAD/CAM under R 2023. (Enclosed in Annexure - IV)
BoS / ME01.3.5	:	CONFIRMED AND APPROVED First year Syllabus for M.E. CAD/CAM under R 2023. (Enclosed in Annexure - V)
BoS / ME01.4	:	Suggestions given by the BoS Members
01.4.1		UG Semester – 3 <ul style="list-style-type: none"><li>• Tutorial hour need to be included for Fluid Mechanics and Machinery</li></ul>

  
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01.4.2	UG Semester - 4 <ul style="list-style-type: none"> <li>Tutorial hour need to be included for Design of Machine Elements</li> </ul>
01.4.3	UG Semester - 6 <ul style="list-style-type: none"> <li>Tutorial hour need to be included for Heat and Mass Transfer</li> </ul>
01.4.4	UG Semester - 8 <ul style="list-style-type: none"> <li>Project work to be converted to conference and journal publications.</li> </ul>
BoS / ME01.5	<p>UG and PG General corrections for the Academic year 2023-2024</p> <ul style="list-style-type: none"> <li>Periods week to be changed to hours/week.</li> <li>Course code should represent the program name.</li> </ul> <p>Proposed points to be discussed for the future reference</p> <p><b>UG-B.E-Mechanical Engineering</b></p> <ul style="list-style-type: none"> <li>Python programming course code should be changed from GE to CSE Department</li> <li>Following subjects can be sub divided into two subjects             <ul style="list-style-type: none"> <li>Engineering Graphics, Engineering Mechanics, Manufacturing Technology, Theory of Machines</li> </ul> </li> <li>For Engineering Graphics, Drawing sheet A3 size can be changed to A2 Size.</li> <li>Tamils &amp; Technology should be changed to Tamil &amp; Technology</li> <li>Materials science should be handled by Mechanical Engineering</li> <li>Four analytical subjects are allocated for Fourth semester in which one subject to be changed to Fifth semester.</li> <li>Metrology and Dynamics Laboratory should be subdivided to two laboratories.</li> <li>Open electives should be given, based on the available departments.</li> <li>Open electives can be mentioned as department abbreviation (ME).</li> <li>The eligibility for elective selection is based on the passing of the respective prerequisite subjects.</li> <li>In Semester VII, Mechatronics and IoT can be mentioned as Advanced Mechatronics.</li> <li>In Electives - Vertical 4 , Digital Manufacturing and IOT can be mentioned as Digital Manufacturing with IOT</li> <li>In Electives - Vertical 8, Design concepts in Engineering can be mentioned as Engineering Design</li> <li>In Electives - Vertical 9, Design for Manufacturing can be mentioned as Design for Manufacturing and Assembly</li> </ul>

  
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- In Electives - Vertical 10, Tutorials need to be included for the following subjects.
- Operations Research, Gas Dynamics & Jet Propulsion and Process Planning & Cost Estimation.
- As part of Autonomous system, one credit course can be offered by Industry expert / Research lab expert. One credit course can have 15 hours per semester. On completion of 3 one credit courses, students can be allowed to withdraw an elective.
- Modern manufacturing systems including CNC coding, a new subject need to be included.

#### PG - M.E. CAD/CAM

- Applied Mathematics for Engineers subject need to be included in First Semester.
- Design for sustainability to be moved to Third Semester from First Semester.
- Laboratory should be renamed to Advanced Analysis and Simulation Laboratory in Second Semester.
- In Elective, Integrated Product Development can be renamed into Integrated Product and Process Design
- The following subjects can be added as elective
  - Geometric Modelling, Advanced Strength of Materials, Theory of Rapid Prototyping and Mechanical behaviour of Materials

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the curriculum and syllabus of R.2023.

Based on the suggestions given by the members, BoS resolved to recommend Curriculum Structure for B.E. Mechanical Engineering (Annexure I), First Year Syllabus for B.E. Mechanical Engineering (Annexure II), First Year Syllabus for other UG Programmes (Annexure III), Curriculum Structure for M.E. CAD/CAM (Annexure IV), First Year Syllabus for M.E. CAD/CAM (Annexure V) after carry out the modifications suggested by the members under Regulation 2023, to the Academic Council for further approval.

Dr. S. Jeevanantham, Associate Professor / Mechanical Engineering proposed vote of thanks for their kind cooperation and the meeting came to an end.

**Dr. P. MANI ARASAN**

Principal

Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.



DEPARTMENT OF MECHANICAL ENGINEERING

FIRST BOARD OF STUDIES

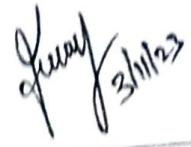

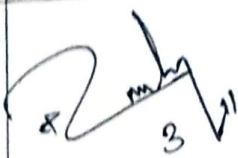





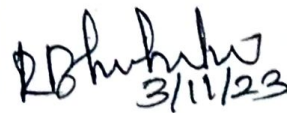

Minutes of Meeting

03/11/2023

Members	Members Details	Signature
Chairperson	<b>Dr. M. Senthilshri</b> Professor & Head Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641103	<i>M. S. Senthilshri</i>
Experts nominated by VC	<b>Dr. R. Srivastava</b> Associate Professor Department of Mechanical Engineering, Government College of Engineering, Thanjavur - 613402	<i>Dr. R. Srivastava</i> 3/11/2023
Subject experts from outside the Parent University	<b>Dr. M. Uthayakumar</b> Professor Faculty of Mechanical Engineering, Kalasalingam Academy of Research and Education, Kashimankottai - 626126.	<i>M. Uthayakumar</i> 3/11/23
	<b>Dr. S. Syath Amithabhar</b> Associate Professor Department of Mechanical Engineering, PCCO College of Technology, Coimbatore - 641004.	<i>S. Syath Amithabhar</i> 3/11/23
Industry Expert	<b>Mr. M. Manickavasagam</b> Managing Director, EVI International Energy Services Pvt Limited, Coimbatore 641021.	<i>M. Manickavasagam</i> 03/11/2023
Alumni member	<b>Mr. S. U. Subash</b> Analyst, Deloitte Consulting Pvt. Ltd. Bangalore.	<i>S. U. Subash</i> 03/11/23
All Faculty Members	<b>Dr. K. Anganan</b> Professor Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641103.	<i>K. Anganan</i> 03/11/23
	<b>Dr. P. Senthilkumar</b> Associate Professor, Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641103.	<i>P. Senthilkumar</i> 3/11/23

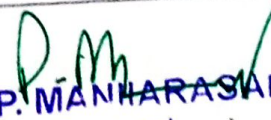
**Dr. P. MANIARASAN**


Principal

<b>Dr.S.Jeevanantham,</b> Associate Professor, Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/23
<b>Dr.V.M.M.Thilak</b> Associate Professor, Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/23
<b>Mrs.P.Bagyalakshmi,</b> Assistant Professor (SG) Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11
<b>Mr.S.Nishanth,</b> Assistant Professor (SG), Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11
<b>Mr.R.Vinothkumar,</b> Assistant Professor (SG), Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/2023
<b>Mr.AthisayaSagaya Rajan,</b> Assistant Professor (SG). Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/23
<b>Mr.A.C.RamKumar,</b> Assistant Professor (SG), Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/23
<b>Mr.L.Franklin Arockiyaraj,</b> Assistant Professor, Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/23
<b>Mr.R.Suresh Babu,</b> Assistant Professor, Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/23
<b>Mr.A.Athithanambi,</b> Assistant Professor, Department of Mechanical Engineering, Nehru Institute of Engineering and Technology, Coimbatore, 641105.	 3/11/23

A11 Faculty Members

M.S. 3/11/23  
CHAIRPERSON/BOS

  
**Dr. P. MANIKARAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

  
**PRINCIPAL**  
03/11/2023.

**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(An Autonomous Institution)

An ISO 9001:2015 & ISO 14001:2015 Certified Institution, Affiliated to Anna University, Chennai  
Approved by AICTE, New Delhi, Recognized by UAC with 2(A) & 2(B)  
Re-accredited by NAAC "A+", NBA Accredited (UG Courses) - AZRC/CBE  
Nehru Campus, Thiruvalluvar Nagar, Coimbatore - 641 105



Date: 04.11.2023

**DEPARTMENT OF MECHANICAL ENGINEERING**

Action Taken Report

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	In semester 3, Tutorial hour need to be included for the course Fluid Mechanics and Machinery	Tutorial hour is added to the course Fluid Mechanics and Machinery
2	In semester 4, Tutorial hour need to be included for the course Design of Machine Elements	Tutorial hour is added to the course Design of Machine Elements
3	In Semester 6, Tutorial hour need to be included for Heat and Mass Transfer	Tutorial hour is added to the course Heat and Mass Transfer
4	In Semester 8, Project work to be converted to conference and journal publications.	It is mandatory to publish all UG projects in International Conference
5	In curriculum, Periods/week to be changed to hours/week.	Changed to hours/week
6	In curriculum, Course code should represent the program name.	Course code modified with the representation of program name

M. S. ...  
BOARD CHAIRMAN

P. Mani...  
PRINCIPAL  
06/11/2023

P. Mani...

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.



**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**T. M. Palayam, Coimbatore-641 105**

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# **Department of Mechatronics Engineering**



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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



## DEPARTMENT OF MECHATRONICS ENGINEERING

### FIRST BOARD OF STUDIES

### MINUTES OF MEETING

Date: 03/11/2023

The following suggestions given by University Representative, Subject experts, Industry experts and Alumni member to be incorporated in the curriculum.

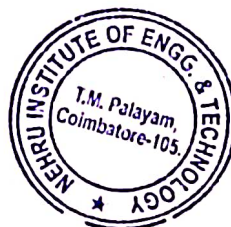
- Periods per week can be changed as Hours per week.
- Engineering Graphics in Semester II credits were reduced to 3 by adjusting the lecture hour.
- Engineering Mechanics in Semester III tutorial hours can be included without changing the credits.
- Fluid Mechanics and Machinery in Semester III should be an integrated laboratory.
- Analog Devices and Circuits to be included in Semester III
- Manufacturing Technology theory and laboratory courses should be in Semester III.
- Electrical Drives and Actuators theory and laboratory courses should be in Semester IV.
- Design and Modelling Laboratory name can be changed to Modelling and Simulation Laboratory in Semester III.
- Strength of Materials in Semester IV should be an integrated laboratory.
- Hydraulics and Pneumatics theory course name can be changed to Design of Hydraulics and Pneumatics System in Semester V.
- Microprocessors and Microcontrollers in Semester V name can be changed to Embedded System Design.
- Industrial Automation Laboratory in Semester V name can be changed to Industrial PLC and Automation Laboratory.
- Robotics and Machine Vision Laboratory interchanged with Design and Fabrication Project in Semester VI and VII

M. —————

**CHAIRPERSON/BoS**

**Dr. M. MAHESWARAN**

Professor & Head  
Department of Mechatronics Engineering  
NEHRU INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
COIMBATORE- 641 105



P. Mani Arasan  
PRINCIPAL

**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.



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Date: 04.11.2023

## DEPARTMENT OF MECHATRONICS ENGINEERING

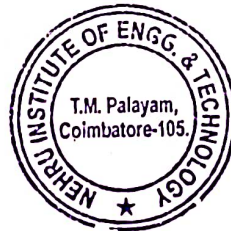
### Action Taken Report

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	Periods per week can be changed as Hours per week in Curriculum	Changed as Hours per week
2	Engineering Graphics in Semester II credits were reduced to 3 by adjusting the lecture hour.	Credit Reduced to 3
3	Engineering Mechanics in Semester III tutorial hours can be included without changing the credits.	Tutorial hours included
4	Fluid Mechanics and Machinery in Semester III should be an integrated laboratory.	Theory and Laboratory made as Integrated Course
5	Analog Devices and Circuits to be included in Semester III.	Included in Semester III.
6	Manufacturing Technology theory and laboratory courses should be in Semester III.	Interchanged from Semester IV to Semester III.
7	Electrical Drives and Actuators theory and laboratory courses should be in Semester IV.	Interchanged from Semester III to Semester IV.
8	Design and Modelling Laboratory name can be changed to Modelling and Simulation Laboratory in Semester III.	Changed as Modelling and Simulation Laboratory.
9	Strength of Materials in Semester IV should be an integrated laboratory.	Theory and Laboratory made as Integrated Course
10	Hydraulics and Pneumatics theory course name can be changed to Design of Hydraulics and Pneumatics System in Semester V.	Changed as Design of Hydraulics and Pneumatics System.

11	Microprocessors and Microcontrollers in Semester V name can be changed to Embedded System Design.	Changed as Embedded System Design.
12	Industrial Automation Laboratory in Semester V name can be changed to Industrial PLC and Automation Laboratory.	Changed as Industrial PLC and Automation Laboratory.
13	Robotics and Machine Vision Laboratory interchanged with Design and Fabrication Project in Semester VI and VII	Interchanged

  
BOARD CHAIRMAN

**Dr. M. MAHESWARAN**  
Professor & Head  
Department of Mechatronics Engineering  
NEHRU INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
COIMBATORE- 641 105



  
PRINCIPAL

**Dr. P. MANIWARAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.



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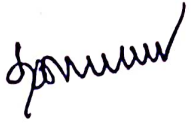

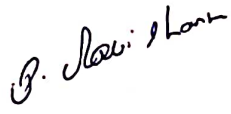





**DEPARTMENT OF MECHATRONICS ENGINEERING**


**FIRST BOARD OF STUDIES**

**Minutes of Meeting**

Date : 03/11/2023

Members	Members Details	Signature
Chairperson	<b>Dr.M.Maheswaran</b> Professor & Head, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	M. ———
Experts nominated by VC	<b>Dr. S Sivasankar</b> Associate Professor, Department of Mechanical Engineering Government College of Engineering, Tanjore.	Dr S Sivasankar 3/11/2023
Subject experts from outside the Parent University	<b>Dr.T.C.Kanish,</b> Asst.Director Alumni Affairs, Professor, Department of Design & Automation, School of Mechanical Engineering, VIT, Vellore.	T.C. Kanish
	<b>Dr.Belsam Jeba Ananth,</b> Associate Professor, SRM Institute of Science and Technology, CAMPUS: Department of Mechatronics Engineering, College of Engineering & Technology, Kattankulathur - Chennai	Ar
Expert for special Course of Study	<b>Dr.B.Adhavan</b> Associate Professor Department of EEE PSG Institute of Technology & Applied Research Coimbatore	Dr B Adhavan 3/11/2023
Industry Expert	<b>Dr.S.A.Pasupathy,</b> Director, Zeekers Technology Solutions PVT Ltd, Coimbatore,	Dr S A Pasupathy 3/11/23
Alumni member	<b>Mr. KP.Dhanush</b> System Engineer Southern Engg Works,Coimbatore	Mr KP Dhanush

<b>All Faculty Members</b>	<b>Dr.SP.Arunkumar,</b> Associate Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Dr.M. Balakrishnan,</b> Assistant Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Mr.P. Ravi Shankar,</b> Assistant Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Mr.S.Arun Kumar,</b> Assistant Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Mr.AL.Arumugam,</b> Assistant Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Mr.A.Nandagopal,</b> Assistant Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Mr.D.Sathish Kumar,</b> Assistant Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	
	<b>Ms.K.Sudhapriya,</b> Assistant Professor, Department of Mechatronics Engineering, Nehru Institute of Engineering and Technology, Coimbatore-641 105.	


**Dr. M. MAHESWARAN**  
Professor & Head  
Department of Mechatronics Engineering  
NEHRU INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
COIMBATORE- 641 105

  
**PRINCIPAL**

# **Information Technology**



# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution)

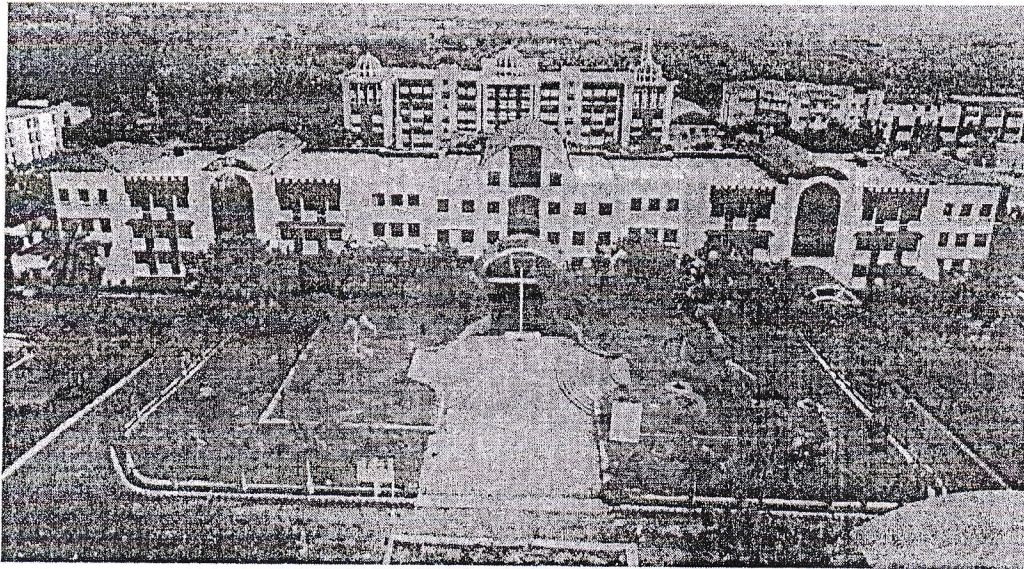
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Thirumalayampalayam, Coimbatore-641 105



## FIRST BOARD OF STUDIES MEETING – MINUTES

DEPARTMENT OF INFORMATION TECHNOLOGY

B.Tech. Information Technology

Venue: Board Room

Date & Time: 02.11.2023 & 02.00 PM

**Dr. P. MANI ARASAN**

Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

### Minutes of Meeting

The Board of Studies Meeting of Information Technology held on 02.11.2023 at 2.00 PM at Board Room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / IT01.1	:	<i>Welcome Address and Opening remarks by Chairperson, Board of Studies, Department of Information Technology</i>
	:	The Chairperson, Board of Studies of the Information Technology welcomed and introduced the Members of the First Board of Studies and thanked each and every one of them for sparing their valuable time for participating in the BoS and sharing their suggestions and experiences.
BoS / IT01.2	:	<i>Introduction of Faculty Members to BoS Members</i>
	:	The Chairperson, BOS of the Information Technology introduced the Internal Faculty Members to the External Members
Ref : Letter from Director, Centre for Academic Courses, Anna University, Chennai <b>Letter No. 3460/AU/CAC/2023</b>		
BoS / IT01.3.1	:	With the reference to the above letter cited, the following activities were performed by the BoS Members
	:	TO CONFIRM AND APPROVE Curriculum Structure for B.Tech. Information Technology under R 2023. (Enclosed in Annexure - II)
BoS / IT01.3.2	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester I and Semester II) for B.Tech. Information Technology under R-2023. (Enclosed in Annexure - III)
BoS / IT01.3.3	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester I and Semester II) for U.G. other Programmes under R 2023. (Enclosed in Annexure - IV)

  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105

BoS / IT01.4	: Approval and Suggestions given by the BoS Members as follows
IT01.4.1	<ul style="list-style-type: none"> <li>• The Chairperson of Board of Studies (BOS), Dr. S. Subasree, presented the Curriculum of B.Tech. Information Technology under R-2023 before the BoS Members.</li> <li>• The Chairperson of Board of Studies (BOS), Dr. S. Subasree presented the syllabus of U23GE105 Problem Solving and Python Programming, U23GE117 Problem Solving and Python Programming Laboratory and U23CS205 Programming in C and U23CS219 Programming in C Laboratory before BoS Members.</li> <li>• The BoS Members approved the Curriculum of B.Tech. Information Technology, and Syllabus of Semester I and Semester II for B.Tech. Information Technology under R-2023.</li> <li>• The BoS Members approved the First Year Curriculum and Syllabus (Semester I and Semester II) for U.G. other Programmes under R2023</li> </ul>
01.4.2	<ul style="list-style-type: none"> <li>• The Chairperson of Board of Studies (BOS), Dr. S. Subasree, presented the Curriculum of Semester III to Semester VIII of B.Tech. Information Technology under R-2023 before BoS Members.</li> <li>• BoS Members has given a few suggestions which are given in the Section BoS/IT1.5 and all the suggested points will be considered and to be resolved in the Upcoming BoS Meeting.</li> </ul>

BoS / IT01.5	: Other Recommendations
01.5.1	<p>The following recommendations are advised by BoS Members to consider for the upcoming Academic Year 2024-2025 onwards</p> <ul style="list-style-type: none"> <li>• <b>Dr. A. Meena Kowshalya</b>, Associate Professor, Government College of Technology, Coimbatore who nominated as University Nominee by VC, Anna University suggested the following <ul style="list-style-type: none"> <li>• Advised to update the Syllabus of U23GE105 Problem Solving and Python Programming by introducing Two Units Weightage for Problem Solving Techniques and remaining Three Units Weightage for Python Programming</li> <li>• Suggested to consider Integrated Laboratory Courses for all the subjects instead of Separate Laboratory Courses</li> <li>• Suggested to rename the Professional Development Lab as Engineering Exploration Lab</li> <li>• Advised to split the U23CS302 Digital Principles and Computer Organization Course as Two different Courses namely i. Digital System Design and ii. Computer Organization</li> <li>• Advised to introduce a few Courses like i. Microcontroller, ii. 5G Communications and Technologies and iii. Cyber Threats</li> <li>• Advised to rename the Course U23IT504 IT for Forensic Science as Cyber Forensic</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• <b>Mr Sarayanan Annadurai</b>, Senior Coordinator, (Skilling), Wiskill, Coimbatore, who served as Industry Expert has suggested to introduce a new Courses on i. IT Service Management (ITSM) and iii. GPU Computing. He also suggested to include a course on Web Designing</li> <li>• <b>Dr. Prashant R. Nair</b> advised to introduce a few Courses like i. Workplace Stress Management, ii. Corporate Etiquettes under Mandatory Courses</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Dr. C. Arunkumar</b>, School of Computing, Amrita University suggested to introduce a Course on APP Development under Open Elective for all UG Engineering Students</li> </ul>
	<ul style="list-style-type: none"> <li>• The BoS Members appreciated the efforts taken by Chairperson of BOS, Dr. S. Subasree and her Team for framing the Curriculum for B.Tech. Information Technology and First Year Syllabus.</li> </ul>

The BoS Members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were recommended for Curriculum and Syllabus Updation as mentioned above.

Based on the suggestions given by the Members, BoS resolved to recommend the

- Curriculum Structure for B.Tech. Information Technology under R2023. (Annexure - II)
- First Year Curriculum and Syllabus (Semester I and Semester II) for B.Tech. Information Technology under R-2023. (Annexure - III)
- First Year Curriculum and Syllabus (Semester I and Semester II) for U.G. other Programmes under R2023. (Annexure - IV)

After carrying out the modifications suggested by the BoS Members, under Regulation 2023 to the Academic Council for further approval.

**Prof. Jeni Narayanan**, Information Technology proposed Vote of thanks for BoS Members for their Innovative Ideas and Suggestions shared for framing the better Curriculum and Syllabus.

The First Board of Studies Meeting ended successfully.

*S. Subasree*  
2/11/23



*P. Mani Arasan*  
**Dr. P. MANIARASAN**  
Principal

*P. Mani Arasan*  
02/11/2023  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engineering & Technology  
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# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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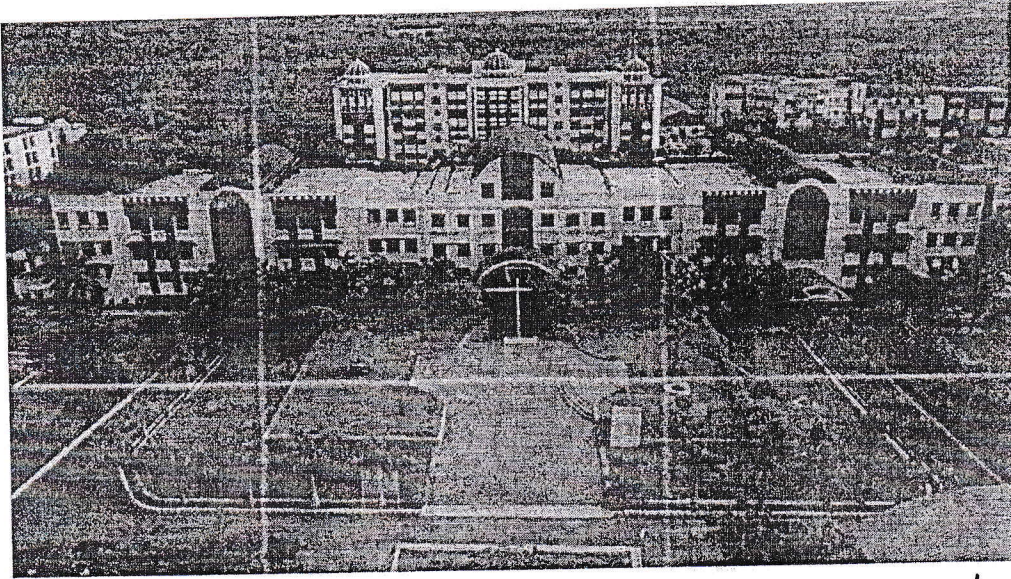
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## SECOND BOARD OF STUDIES MEETING – MINUTES

DEPARTMENT OF INFORMATION TECHNOLOGY

B.Tech. Information Technology

Venue: Board Room

Date & Time: 22.01.2024 & 11.00 AM

**Dr. P. MANI ARASAN**

Principal

Nehru Institute of Engg. & Technology

T.M.Palayam, Coimbatore - 641 105.

*B. Subarao*  
2/2/24

1

*P. Mani Arasan*  
02/02/2024

### Minutes of Meeting

The Board of Studies Meeting of Information Technology held on 22.01.2024 at 11.00 AM at Board Room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / IT01.1	:	<i>Welcome Address and Opening remarks by Chairperson, Board of Studies, Department of Information Technology</i>
	:	The Chairperson, Board of Studies of the Information Technology welcomed and introduced the Members of the First Board of Studies and thanked each and every one of them for sparing their valuable time for participating in the BoS and sharing their suggestions and experiences.
BoS / IT01.2	:	<i>Introduction of Faculty Members to BoS Members</i>
	:	The Chairperson, BOS of the Information Technology introduced the Internal Faculty Members to the External Members
BoS / IT01.3.1	:	With the reference to the above letter cited, the following activities were performed by the BoS Members
	:	TO CONFIRM AND APPROVE Curriculum Structure for B.Tech. Information Technology under R 2023. (Enclosed in Annexure - II)
BoS / IT01.3.2	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester II) for B.Tech. Information Technology under R-2023. (Enclosed in Annexure - III)
BoS / IT01.3.3	:	TO CONFIRM AND APPROVE First Year Curriculum and Syllabus (Semester II) for U.G. other Programmes under R 2023. (Enclosed in Annexure - IV)

  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105

BoS / IT01.4	:	Approval and Suggestions given by the BoS Members as follows
IT01.4.1		<ul style="list-style-type: none"> <li>• The Chairperson of Board of Studies (BOS), Dr. S. Subasree, presented the Curriculum of B.Tech. Information Technology under R-2023 before the BoS Members.</li> <li>• The Chairperson of Board of Studies (BOS), Dr. S. Subasree presented the syllabus of U23GE105 Problem Solving and Python Programming, U23GE117 Problem Solving and Python Programming Laboratory and U23CS205 Programming in C and U23CS219 Programming in C Laboratory before BoS Members.</li> <li>• The BoS Members approved the Curriculum of B.Tech. Information Technology, and Syllabus of Semester I and Semester II for B.Tech. Information Technology under R-2023.</li> <li>• The BoS Members approved the First Year Curriculum and Syllabus ( Semester II) for U.G. other Programmes under R2023</li> </ul>
01.4.2		<ul style="list-style-type: none"> <li>• The Chairperson of Board of Studies (BOS), Dr. S. Subasree, presented the Curriculum of Semester III to Semester VIII of B.Tech. Information Technology under R-2023 before BoS Members.</li> <li>• BoS Members has given a few suggestions which are given in the Section BoS/IT1.5 and all the suggested points will be considered and to be resolved in the Upcoming BoS Meeting.</li> </ul>

BoS / IT01.5	:	Other Recommendations
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**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

01.5.1	<p>The following recommendations are advised by BoS Members to consider for the upcoming Academic Year 2024-2025 onwards</p> <ul style="list-style-type: none"> <li>• <b>Dr. A. Meena Kowshalya</b>, Associate Professor, Government College of Technology, Coimbatore who nominated as University Nominee by VC, Anna University suggested the following <ul style="list-style-type: none"> <li>• Advised to remove User Interface Design in Semester 3 with Web Programming and include HTML.CSS and Javascript in that syllabus.</li> <li>• Suggested to include any Communication related subjects like Mobile Communication in sixth semester.</li> <li>• Suggested to include course on full stack and its corresponding laboratory.</li> </ul> </li> <li>• <b>Mr Kalyana Saravanan Annadurai</b>, Consultant, uLektz solutions, Chennai who served as Industry Expert has suggested to introduce a new Course on Infrastructure management in fourth semester. He also suggested including numerical concepts based exercises on Programming in C Laboratory.</li> <li>• <b>Dr. Prashant R. Nair</b> advised to introduce a few Courses like i. Disaster Management, ii. Full stack web development.</li> </ul>
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	<ul style="list-style-type: none"> <li>• <b>Dr. C. Arunkumar</b>, School of Computing, Amrita University suggested to introduce a Course on Content Development for all UG Engineering Students</li> </ul>
	<ul style="list-style-type: none"> <li>• The BoS Members appreciated the efforts taken by Chairperson of BOS, Dr. S. Subasree and her Team for framing the Curriculum for B.Tech. Information Technology and First Year Syllabus.</li> </ul>

The BoS Members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were recommended for Curriculum and Syllabus Updation as mentioned above.

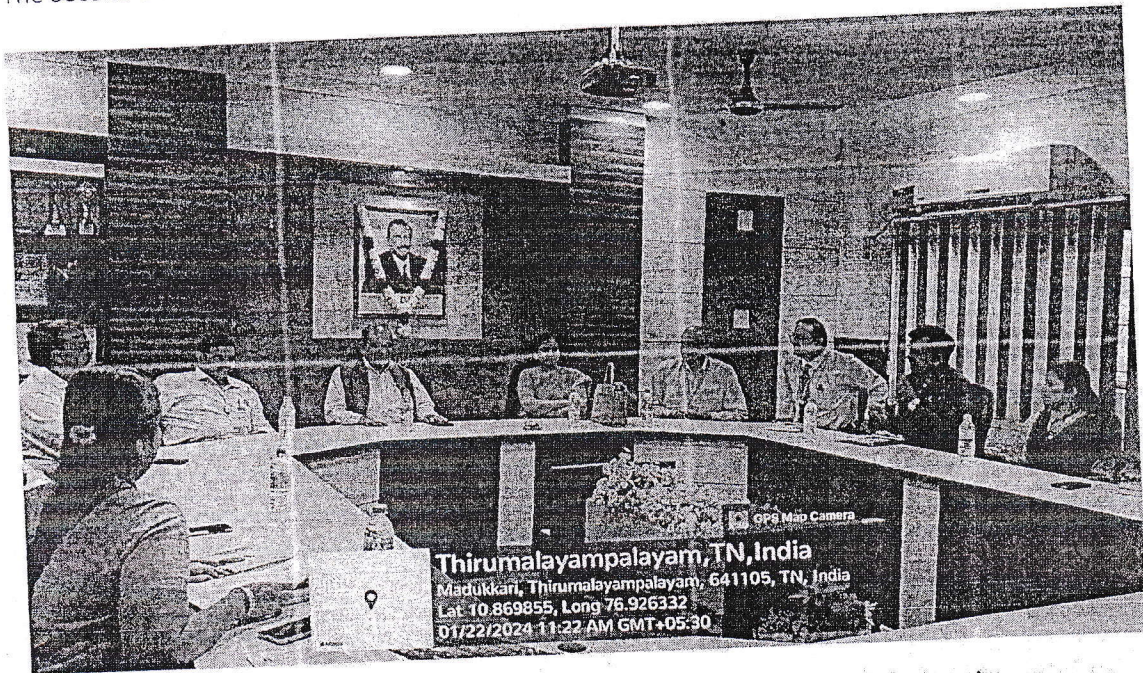
Based on the suggestions given by the Members, BoS resolved to recommend the

- Curriculum Structure for B.Tech. Information Technology under R2023. (Annexure - II)
- First Year Curriculum and Syllabus ( Semester II) for B.Tech. Information Technology under R-2023. (Annexure - III)
- First Year Curriculum and Syllabus (Semester II) for U.G. other Programmes under R2023. (Annexure - IV)

After carrying out the modifications suggested by the BoS Members, under Regulation 2023

to the Academic Council for further approval.

Dr.N.Rathina Kumar, Information Technology proposed Vote of thanks for BoS Members for their Innovative Ideas and Suggestions shared for framing the better Curriculum and Syllabus. The Second Board of Studies Meeting ended successfully.



*S. Subarasa*  
-10/24

*P. Mani Arasan*  
7  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
TM Palayam, Coimbatore - 641 100.



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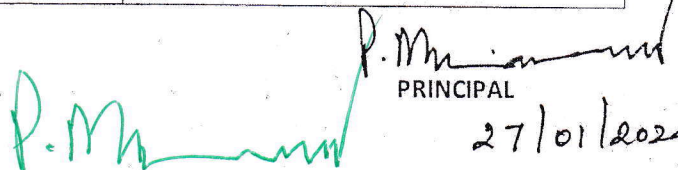
Date: 27.01.2024

### DEPARTMENT OF INFORMATION TECHNOLOGY

#### Action Taken Report

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
1	<p><b>Dr. A. MeenaKowshalya</b>, Associate Professor, Government College of Technology, Coimbatore who nominated as <b>University Nominee</b> by VC, Anna University suggested the following</p> <ul style="list-style-type: none"><li>• Suggested to include any Communication related subjects like Mobile Communication in sixth semester</li><li>• Advised to update the Syllabus Web Programming and include HTML.CSS and Javascript in that syllabus.</li><li>• Suggested to include course on full stack and its corresponding laboratory.</li></ul>	<p>Mobile Communication and its corresponding lab has introduced in the fifth semester.</p> <p>Web Programming syllabus has been upgraded.</p> <p>Full stack development course included in fifth semester.</p>
2	<p><b>Mr Kalyana Saravanan Annadurai</b>, Consultant, uLeetz solutions, Chennai who served as Industry Expert has suggested introducing a new Course on Infrastructure management in fourth semester. He also suggested including numerical concepts based exercises on Programming in C Laboratory.</p>	<p>II semester-Programming in C lab has been modified with few numerical based exercises.</p> <p>The new course on Infrastructure management will be introduced in the fourth semester.</p>
3	<p><b>Dr. Prashant R. Nair</b> advised to introduce a few Course like Disaster Management.</p>	<p>Value added course on disaster management will be introduced as 1 credit and to be resolved in the upcoming BoS meeting.</p>
4	<p><b>Dr. C. Arunkumar</b>, School of Computing, Amrita University suggested to introduce a Course on Content Development for all UG Engineering Students</p>	<p>The new course on Content Development in included and to be resolved in the upcoming BoS meeting.</p>

  
BOARD CHAIRMAN 27/1/24

  
PRINCIPAL 27/01/2024

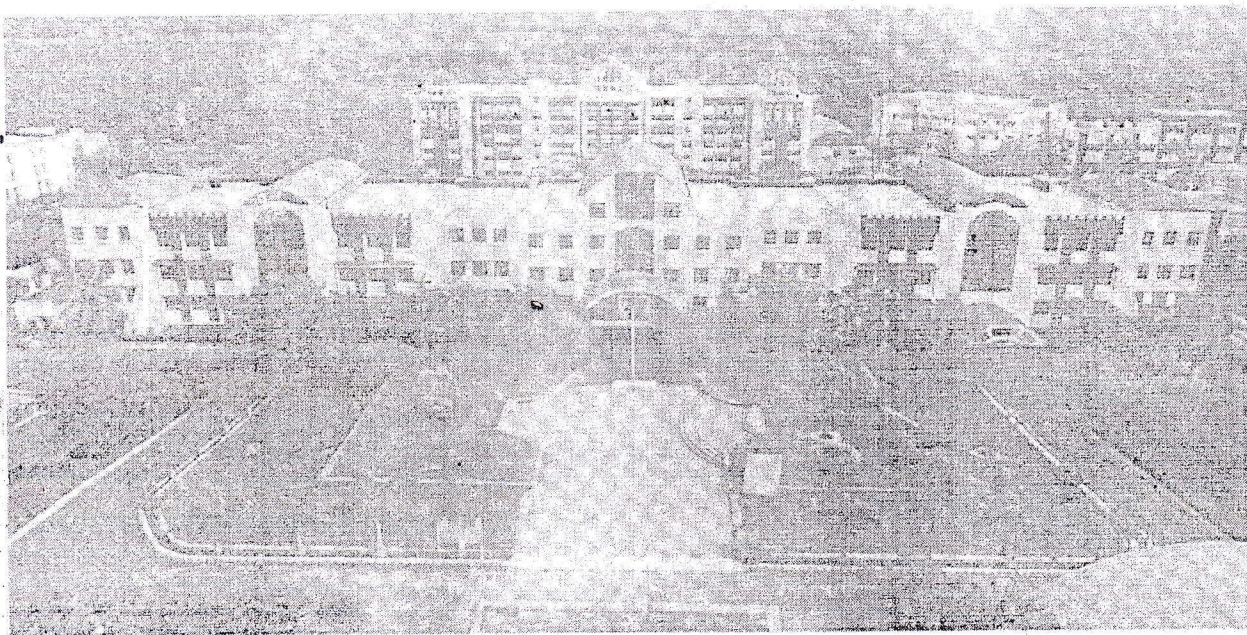
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Principal  
Nehru Institute of Engg. & Technology  
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**DEPARTMENT OF INFORMATION TECHNOLOGY**



**SECOND BOARD OF STUDIES MEETING – MINUTES**

**B.Tech. Information Technology**

**Venue: Board Room**

**Date & Time: 28.03.2024 & 9.30 AM**

**Dr. P. MANIARASAN**  
Principal

**Nehru Institute of Engg. & Technology**  
**T.M.Palayam, Coimbatore - 641 105.**

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AGENDA

Welcome Address	Dr. K.Sivakumar Associate Professor & Head Information Technology Nehru Institute of Engineering and Technology
Introduction of Members	Dr. K.Sivakumar Associate Professor & Head Information Technology Nehru Institute of Engineering and Technology
Presentation of Curriculum and Syllabus B.Tech. Information Technology	Dr. K.Sivakumar Associate Professor & Head Information Technology Nehru Institute of Engineering and Technology
Vote of Thanks	Dr.N.Rathina Kumar, Assistant Professor(SG), Information Technology, Nehru Institute of Engineering and Technology

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
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**DEPARTMENT OF INFORMATION TECHNOLOGY**

**SECOND BOARD OF STUDIES MEETING**

Venue: Board Room

Date & Time: 28.03.2024 & 09.30 AM

**AGENDA**

BoS / IT02.1	:	Welcome Address and Introduction about the Department of Information Technology by Chairperson, Board of Studies, Department of Information Technology	
BoS / IT02.2	:	Introduction of BoS Members	
BoS / IT02.3	:	Business brought by the Chairperson, Board of Studies as follows	
		02.3.1	Presentation of R2023 and R2024 Curriculum Structure of B.Tech. Information Technology
		02.3.2	Presentation of R2023 Semester III and Semester IV Syllabus of B.Tech. Information Technology. Presentation of R2024 Semester I & Semester II Syllabus of B.Tech. Information Technology.
BoS / IT02.4	:	Suggestion given by the BoS Members	
BoS / IT02.5	:	Any other items – Other Recommendations (if any)	

*S. U. R. M. A. F.*  
CHAIRPERSON-BOS

*P. Mani*  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.  
*P. Mani*  
PRINCIPAL



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## MINUTES OF MEETING

The Board of Studies Meeting of Information Technology held on 28.03.2024 at 09.30 AM at Board Room of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / IT02.1	: <i>Welcome Address and Opening remarks by Chairperson, Board of Studies, Department of Information Technology</i>
	The Chairperson, Board of Studies of the Information Technology welcomed and introduced the Members of the Second Board of Studies and thanked each and every one of them for sparing their valuable time for participating in the BoS and sharing their suggestions and experiences.
BoS / IT02.2	: <i>Introduction of Faculty Members to BoS Members</i>
	The Chairperson, BOS of the Information Technology introduced the Internal Faculty Members to the External Members
BoS / IT02.3.1	With the reference to the above letter cited, the following activities were performed by the BoS Members
	: TO CONFIRM AND APPROVE Curriculum Structure for B.Tech. Information Technology under R 2023 and R2024. (Enclosed in Annexure - II)
BoS / IT02.3.2	TO CONFIRM AND APPROVE Semester III and Semester IV Curriculum and Syllabus for B.Tech. Information Technology under R-2023. (Enclosed in Annexure - III)
BoS / IT02.3.3	TO CONFIRM AND APPROVE Semester I & Semester II Curriculum and Syllabus for B.Tech. Information Technology under R-2024. (Enclosed in Annexure - III)

**Dr. P. MANIARASAN**  
Principal

Nehru Institute of Engg. & Technology  
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BoS / IT02.4	:	<b>Approval and Suggestions given by the BoS Members as follows</b>
BoS /IT02.4.1		<p>The Chairperson of Board of Studies (BOS), Dr.K.Sivakumar presented the Curriculum of B.Tech. Information Technology under R-2023 and R 2024 before the BoS Members.</p> <ul style="list-style-type: none"> <li>• The Chairperson of Board of Studies (BOS). Dr.K.Sivakumar presented the syllabus of Semester III and Semester IV before BoS Members.</li> <li>• The BoS Members approved the Curriculum of B.Tech. Information Technology and Syllabus of Semester III and Semester IV for B.Tech. Information Technology under R-2023.</li> <li>• The BoS Members approved the Semester III and Semester IV Curriculum and Syllabus for U.G. other Programmes under R2023.</li> </ul>
BoS /IT 02.4.2		<ul style="list-style-type: none"> <li>• The Chairperson of Board of Studies (BOS). Dr.K.Sivakumar, presented the Curriculum of Semester I to Semester IV of B.Tech. Information Technology under R-2024 before BoS Members.</li> <li>• BoS Members has given a few suggestions which are given in the Section BoS/IT02.4 and all the suggested points will be considered and to be resolved in the Upcoming BoS Meeting.</li> </ul>
BoS / IT02.5	:	<i>Other Recommendations</i>
BoS / IT 02.5.1		<p>The following recommendations are advised by BoS Members to consider for the upcoming Academic Year 2024-2025 onwards</p> <ol style="list-style-type: none"> <li>1. <b>Dr. A. Meena Kowshalya</b>, Associate Professor, Government College of Technology, Coimbatore who nominated as University Nominee by VC, Anna University suggested the following <ul style="list-style-type: none"> <li>• Advised to maintain the number of course outcome should be common for all syllabus.</li> <li>• To include Mini Project as last experiment for all the laboratory.</li> <li>• To include PSO1, PSO2 and PSO3 mapping for all practical and theoretical subjects.</li> </ul> </li> <li>2. <b>Mr Kalyana Saravanan Annadurai</b>, Consultant, uLektz solutions, Chennai who served as Industry Expert has suggested to use latest version of text book.</li> <li>3. <b>Dr. Prashant R. Nair</b> Suggested the followings <ul style="list-style-type: none"> <li>• For all course outcomes across all courses, use action words of higher levels in Bloom's taxonomy such as apply, analyse, create</li> </ul> </li> </ol>

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.



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	<ul style="list-style-type: none"> <li>• IT-SYLLABUS-REGULATION 2023               <ul style="list-style-type: none"> <li>• For COMPUTER ORGANIZATION AND ARCHITECTURE course in semester 3, add some hands-on sessions using software like QTSPIM.</li> <li>• For INTRODUCTION TO OPERATING SYSTEMS course in semester 4, add case studies of basic OS like Windows, Unix, Linux and Solaris.</li> <li>• For INTERNET OF THINGS course in semester 4, add Raspberry Pi Boards anatomy.</li> </ul> </li> <li>• IT-SYLLABUS-REGULATION 2024               <ul style="list-style-type: none"> <li>• For COMPUTER ORGANIZATION AND ARCHITECTURE course in semester 3, add some hands-on sessions using software like QTSPIM</li> <li>• For INTRODUCTION TO OPERATING SYSTEMS course in semester 4, add case studies of basic OS like Windows, Unix, Linux and Solaris.</li> <li>• For INTERNET OF THINGS course in semester 4, add Raspberry Pi Boards anatomy.</li> </ul> </li> </ul>
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	Dr. C. Arunkumar, School of Computing, Amrita University Advised to update the last experiment as Application level in Java Lab.
	The BoS Members appreciated the efforts taken by Chairperson of BOS, Dr. S. Subasree and her Team for framing the Curriculum for B.Tech. Information Technology and First Year Syllabus.

The BoS Members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were recommended for Curriculum and Syllabus Updating as mentioned above.

Based on the suggestions given by the Members, BoS resolved to recommend the

- Curriculum Structure for B.Tech. Information Technology under R2023 and R2024. (Annexure - II)
- Curriculum and Syllabus (Semester III and Semester IV) for B.Tech. Information Technology under R-2023. (Annexure - III).
- Curriculum and Syllabus (Semester I & Semester II) for B.Tech. Information Technology under R-2024. (Annexure - III)

*P. Mani Arasan*

**DDP. MANI ARASAN**  
Principal  
Nehru Institute of Engineering & Technology



# **Artificial intelligence and data science**



**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**



**FIRST BOARD OF STUDIES MEETING REPORT**



# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY (Autonomous)

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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



Date: 03/11/2023

## Agenda

Welcome Address	:	
Introduction of members	:	Dr V T Krishna Prasath,
Presentation of Curriculum and Syllabus B.Tech Artificial Intelligence & Data Science	:	Associate Professor & Head of the department, Artificial Intelligence & Data Science, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore 641 105 ,
Vote of Thanks	:	+91 9894893855 nietkrishnaprasath@nehrucolleges.com



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**1st Board of Studies Meeting**  
**Department of Artificial Intelligence & Data Science**

Venue: Board Room TBI, ABJ Block NIET

Date & Time: 03-11-2023 & 2.00 pm

**Agenda**

BoS/AI& DS01.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of B.Tech Artificial Intelligence & Data Science
BoS/ AI&DS01.2	:	Introduction of members
BoS/ AI&DS01.3	:	Business brought by the Chairman, Board of Studies
	01.3.1	R2023 Curriculum Structure for B.Tech Artificial Intelligence & Data Science
	01.3.2	I Semester Syllabus for B.Tech Artificial Intelligence & Data Science
	01.3.3	II Semester Syllabus for B.Tech Artificial Intelligence & Data Science
BoS / AI&DS01.4	:	Suggestion given by the BoS Members
BoS / AI&DS01.5	:	Any other items

## Minutes of Meeting

The Board of Studies Meeting of B.Tech Artificial Intelligence & Data Science was held on 03-11-2023, 2.00 PM at TBI Board Room, ABJ Block, Nehru Institute of Engineering and Technology, Coimbatore.

BoS / AI& DS01.1	:	<i>Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Artificial Intelligence &amp; Data Science</i>
	:	The Chairman, BOS of the Artificial Intelligence & Data Science welcomed and introduced the members of First Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / AI& DS01.2	:	<i>Introduction of members</i>
	:	The Chairman, BOS of the Artificial Intelligence & Data Science introduced the internal and external members
BoS /AI& DS.3.1	:	TO CONFIRM AND APPROVE Curriculum structure for B.Tech Artificial Intelligence & Data Science under R 2023. (Enclosed in Annexure - II)
BoS / AI& DS.3.2	:	TO CONFIRM AND APPROVE 1st semester Syllabus for B.Tech Artificial Intelligence & Data Science under R-2023. (Enclosed in Annexure - III)
BoS /AI& DS.3.3	:	TO CONFIRM AND APPROVE 2nd semester Syllabus for B.Tech Artificial Intelligence & Data Science under R-2023. (Enclosed in Annexure - IV)
BoS / AI& DS.4.4	:	<i>Suggestion given by the BoS Members</i>
01.4.1	:	<p><b><u>Semester – 1</u></b></p> <ul style="list-style-type: none"> <li>● In Regulation-2024, Matrices and Calculus may be changed as Linear Algebra with Vector Calculus.</li> <li>● Introduction of C Programming with Laboratory in the Semester.</li> <li>● Problem Solving and Python Programming may be moved to Semester –II with laboratory.</li> <li>● Introduction of User Interface Design Laboratory with a credit of 1.</li> <li>● Recommended to give the evaluation patterns to 60 +40 (Theory + Laboratory).</li> <li>● Bridge courses for the Programming Languages and Value added courses may be included.</li> </ul>

	<ul style="list-style-type: none"> <li>● These suggestions can be implemented from the next academic year 2024 – 2025.</li> </ul>
01.4.2	<p><b><u>Semester-2</u></b></p> <ul style="list-style-type: none"> <li>● Statistics and Numerical Methods can be replaced by Numerical Methods.</li> <li>● Physics for Information Science may be replaced by any core programming subject with laboratory</li> <li>● Introduction of Integrated Laboratory in this semester.</li> <li>● Data structure Design may be changed as Data Structure -I</li> <li>● Problem Solving and Python programming with Laboratory which is in Semester – 1 can be added in this semester.</li> <li>● Entrepreneurship courses can be added in this semester with a credit of 1.</li> <li>● Any Foreign Languages may be included (French, German, Japanese etc.).</li> <li>● These suggestions can be implemented from the next academic year 2024 – 2025.</li> </ul>
01.4.3	<p><b><u>Semester 3</u></b></p> <ul style="list-style-type: none"> <li>● Discrete mathematics may be removed and may be removed.</li> <li>● Computer Architecture may be included in the place of Digital Principles and System Design.</li> <li>● The Artificial Intelligence Laboratory using Python Programming Language may be changed as the Integrated Lab rather than separated one.</li> <li>● Professional development may be replaced with the Engineering exploration course.</li> <li>● Data Exploration and Visualization Integrated subject can be splitted into separate Theory and Laboratory with a credit score of 3, 2 respectively.</li> </ul>
01.4.4	<p><b><u>Semester 4</u></b></p> <ul style="list-style-type: none"> <li>● Probability and Statistics may be removed.</li> <li>● Mathematics subject may be included in the alternative semesters.</li> <li>● Computer networks may be included as integrated lab with a credit score of 4.</li> <li>● Operating System subject may be included as integrated lab with a credit score of 4.</li> <li>● Fundamentals of Data Science and Analytics can be changed to Foundation of Statistics with a credit score of 4.</li> <li>● EVS may be included as the Project Based Learning.</li> </ul>

01.4.5	<p><b><u>Semester 5</u></b></p> <ul style="list-style-type: none"> <li>● Deep Learning subject can be modified as integrated lab subject with a credit of 4.</li> <li>● Data and Information Security subject can be replaced by Foundation of Cyber Security.</li> <li>● Distributed Computing may be replaced by Full stack Programming in Java with a credit of 4.</li> <li>● Data Structure –II is added as a core subject.</li> <li>● Data Structure-II laboratory is added in the Practical part.</li> <li>● Summer Internship should be done offline in some good reputed companies at least for 3-4 weeks.</li> </ul>
01.4.6	<p><b><u>Semester 6</u></b></p> <ul style="list-style-type: none"> <li>● Embedded Systems and IoT can be splitted into Theory and Laboratory separately.</li> <li>● Consider any one Professional Elective Paper as Agile Methodology with a credit score of 2.</li> <li>● Students can start working on project from this semester.</li> <li>● Project can be divided into three Phases and this semester will have Phase- 1 with a credit score of 2.</li> <li>● No. of Professional courses may be changed from 4 to 3 in this semester.</li> </ul>
01.4.7	<p><b><u>Semester 7</u></b></p> <ul style="list-style-type: none"> <li>● Project Phase –II can be introduced into in this semester with a credit of 3.</li> </ul>
01.4.8	<p><b><u>Semester 8</u></b></p> <ul style="list-style-type: none"> <li>● Software Project Management paper can be removed.</li> <li>● Project Phase –III will carried in this semester with a credit of 10.</li> <li>● Alumni feedback may be included for the subject selections.</li> </ul>

  
CHAIRMAN / BoS

  
PRINCIPAL

## ACTION PLAN TAKEN FOR FIRST BoS MEETING ON 03.11.2023

### As per the BoS Committee Suggestions,

#### 1st Semester

- Matrices and Calculus replaced by Linear Algebra.
- PSPP (Problem solving with python programming) has been replaced by Introduction to C programming.
- PSPP (Problem solving with python programming laboratory) has been replaced by Introduction to C programming laboratory.
- The suggestions will be implemented from the next academic year 2024-2025 onwards.

#### 2<sup>nd</sup> Semester

- Statistics and Numerical Methods is been replaced by Numerical Methods.
- Data Structure Design is renamed as Data structure-I for the theory and lab.
- UI Design Laboratory is also newly added with 1 Credit.
- The suggestions will be implemented from the next academic year 2024-2025 onwards.

#### 3<sup>rd</sup> Semester

- Discrete Mathematics replaced as the Statistics with Python.
- DPCO replaced as the Computer Architecture.
- Artificial Intelligence Theory and Laboratory is been combined to as Integrated Subject.
- Professional Development course replaced as the Engineering Exploration.
- Data Exploration and Visualization Integrated lab is changed as the main lab.

#### 4<sup>th</sup> Semester

- Operating Systems and Computer Networks Credits are changed into 4 credits.
- Fundamentals of Data Science renamed as the Foundation of Data Science.
- Data science Laboratory is also added as a main lab.

#### 5<sup>th</sup> Semester

- Data Information Security replaced as the Foundation of Cyber security.
- Distributed Computing is replaced by Full Stack Programming in JAVA with 4 credits.
- Data Structures –II is added as core subject with laboratory.

### 6<sup>th</sup> Semester

- Embedded Systems and IoT subject is splitted in to separate Theory and Laboratory.
- Project Phase – I is added into this semester.
- One of the Professional Elective subject can be chosen as Agile Methodologies.

### 7<sup>th</sup> Semester

- Project Phase – II is added in this semester.

### 8<sup>th</sup> Semester

- Project work is replaced by Project Phase – III with the credits not changed.
- Software Project Management subject is removed.

  
CHAIRMAN /BoS

  
PRINCIPAL



# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY

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**SECOND BOARD OF STUDIES MEETING –MINUTES**

**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

**B.Tech. - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

**Venue: TBI Board Room**

**Date & Time: 28.03.2024 & 01.30 pm**



## **NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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**Thirumalayampalayam, Coimbatore-641105**

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**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**



## **SECOND BOARD OF STUDIES MEETING REPORT**



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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



## Agenda

Welcome Address	:	
Introduction of members	:	Dr V T Krishna Prasath,
Presentation of Curriculum and Syllabus B.Tech Artificial Intelligence & Data Science	:	Associate Professor & Head of the department, Department of Artificial Intelligence & Data Science, Nehru Institute of Engineering and Technology, Nehru Gardens, Thirumalayampalayam, Coimbatore 641 105 , +91 9894893855 nietkrishnaprasath@nehrucolleges.com
Vote of Thanks	:	



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Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.



**Second Board of Studies Meeting**  
**Department of Artificial Intelligence & Data Science**

Venue: Board Room TBI Board Room, ABJ Block NIET

Date & Time: 28-03-2024 & 01:30 pm

**Agenda**

BoS/AI& DS02.1	:	Welcome Address and introduction about the department of Artificial Intelligence and Data Science by Chairman, Board of Studies, Department of B.Tech Artificial Intelligence & Data Science.	
BoS/ AI&DS012.2	:	Introduction of members	
BoS/ AI&DS02.3	:	Business brought by the Chairman, Board of Studies	
	02.3.1	R2023 Curriculum Structure for B.Tech Artificial Intelligence & Data Science	
	02.3.2	III Semester Syllabus for B.Tech Artificial Intelligence & Data Science	
	02.3.3	IV Semester Syllabus for B.Tech Artificial Intelligence & Data Science	
BoS / AI&DS02.4	:	Suggestion given by the BoS Members	
BoS / AI&DS02.5	:	Any other items – other recommendations if any	

## Minutes of Meeting

The Board of Studies Meeting of B.Tech Artificial Intelligence & Data Science was held on 28.04.2024, 01.30 PM at TBI Board Room, ABJ Block, Nehru Institute of Engineering and Technology, Coimbatore.

BoS / AI& DS02.1	:	<i>Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Artificial Intelligence &amp; Data Science</i>
	:	The Chairman, BOS of the Artificial Intelligence & Data Science welcomed and introduced the members of Second Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting and share their suggestions and experiences.
BoS / AI& DS02.2	:	<i>Introduction of Faculty members to BoS Members.</i>
	:	The Chairman, BOS of the Artificial Intelligence & Data Science introduced the internal and external members
Ref : Letter from Director, Centre of Academic courses, Anna University, Chennai <b>Letter No. 3460/AU/CAC/2023</b>		
BoS /AI& DS02.3.1	:	With reference to the above letter cited, the following activities were performed by the BoS Members.
	:	TO CONFIRM AND APPROVE Curriculum structure for B.Tech Artificial Intelligence & Data Science under R 2023. (Enclosed in Annexure - II)
BoS / AI& DS02.3.2	:	TO CONFIRM AND APPROVE III rd semester Syllabus for B.Tech Artificial Intelligence & Data Science under R-2023. (Enclosed in Annexure - III)
BoS /AI& DS02.3.3	:	TO CONFIRM AND APPROVE IV th semester Syllabus for B.Tech Artificial Intelligence & Data Science under R-2023. (Enclosed in Annexure - IV)
BoS / AI& DS02.4	:	<b><i>Approval and Suggestion given by the BoS Members as follows</i></b>
AI&DS02.4.1	:	<ul style="list-style-type: none"> <li>• The chairman of Board of Studies (BoS), Dr. V. T. Krishna Prasath presented the curriculum and syllabus of B.Tech Artificial Intelligence and Data Science under R-2023 before the BoS Members.</li> <li>• The BoS members approved the curriculum of B.Tech Artificial Intelligence and Data Science and syllabus of Semester-III and IV under R-2023.</li> <li>• The BoS Members approved the second year curriculum and syllabus (Semester-III and Semester –IV) for U.G other Programmes under R-2023.</li> </ul>
AI&DS02.4.2	:	• The Chairman of Board of Studies (BoS), Dr. V. T. Krishna Prasath presented the curriculum of semester V to VIII of B.Tech Artificial Intelligence e and Data Science under R-2023 before BoS members.

- The BoS members gave few suggestions which section BoS/AI&DS02.5 and all the suggestions considered and to be resolved in the upcoming B

BoS / AI&DS02.5	: <i>Other Recommendations</i>
AI&DS02.5.1	<p>The following recommendations are advised by the BoS members to consider for the upcoming Academic Year 2024-2025 onwards.</p> <ul style="list-style-type: none"> <li>• <b>Dr. A. Meena Kowshalya</b> , Associate Professor , Government College of Technology, Coimbatore who is nominated as University Nominee by VC, Anna University Suggested the following</li> <li>• After having a glance on semester I and II Curriculum, she asked to organize a project expo for the students at the end of First Year.</li> <li>• In semester-3, the member insisted to introduce Computer Architecture instead of Digital Principles and System Design.</li> <li>• In semester -3, the member insisted to enhance the students knowledge in Data Exploration and Visualization with contents beyond their syllabus.</li> <li>• Students are insisted to do internships during their semester holidays to enhance their skills.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Dr. T.Senthil Kumar</b> , Associate Professor, School of computing, Amrita Viswa Vidyapeetham, advised that</li> <li>• In Semester -4, Linear Algebra and Optimization Techniques, teach Optimization Technique first and then Linear Algebra.</li> <li>• The member suggested to implement Machine Learning subject faculty to implement any one experiment as a web application as it is needed by the industry.</li> <li>• The member advised to introduce seminar based courses from Second Year and allot 1 credit to it.</li> <li>• The member also suggested to keep not more than 3 reviews for the seminars and also to keep a recording facility.</li> <li>• The member advised for a startup of Nehru Software Development cell with an idea pitch of creating solutions for the problems in the NGI.</li> <li>• The Member advised to incorporate AR/VR concepts with IoT.</li> <li>• The member advised to put up proposal for well-equipped sophisticated laboratory for excellence.</li> <li>• The member also advised to start projects from Semester-6 and move ahead till semester-8.</li> <li>• The member also motivated the faculties to write domain related text books.</li> <li>• The member also motivated the students to upgrade their final projects to patents and publications.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Dr. G. Naveen Sundar</b>, Associate Professor, School of Computing, Karunya University advised</li> <li>• To enroll all the students and staffs into professional body membership.</li> </ul>
	<ul style="list-style-type: none"> <li>• Mr. Bakiaraj Mahalingam, GUVI Geek Pvt Ltd. Chennai who served as Industry expert suggested to give exposure to students in hackathons.more.</li> </ul>

	The BoS Members appreciated the efforts taken by the Chairman of BoS, Dr. V.T. Krishna Prasath and his team for framing the curriculum and syllabus for the semester-III and IV of B.Tech Artificial Intelligence and Data Science.
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The BoS Members had a brain storming discussion and interaction among themselves. After discussion, fruitful suggestions were recommended for Curriculum and Syllabus updating as mentioned above.

Based on the suggestions given by the members, BoS resolved to recommend the

- Curriculum Structure for B.Tech Artificial Intelligence and Data Science under R-2023 (Annexure-II)
- Second Year Curriculum and Syllabus (Semester-III and Semester- IV) for B.Tech Artificial Intelligence and Data Science under R-2023 (Annexure-III)
- After carrying out the modifications, suggested by the BoS Members under Regulation 2023 to the Academic council for further approval

**Dr. V. T. Krishna Prasath**, Associate Professor & HoD, B.Tech Artificial Intelligence and Data Science proposed the vote of thanks for BoS members for their innovative ideas and suggestions shared for framing the better curriculum and syllabus. The second Board of Studies meeting ended successfully.

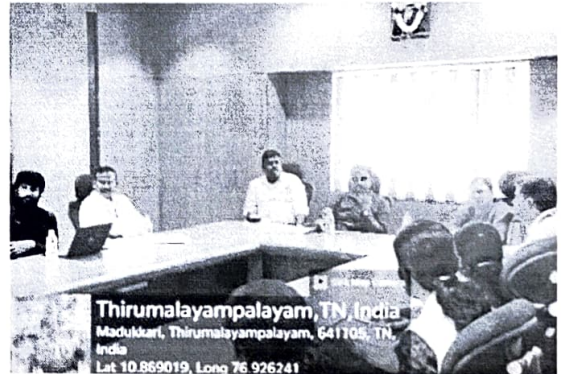


GPS Map Camera

**Thirumalayampalayam, TN, India**  
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 India  
 Lat 10.868761, Long 76.926300



Thirumalayampalayam, TN, India  
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 India  
 Lat 10.868920, Long 76.926261  
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 India  
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 India  
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*[Handwritten Signature]*  
**CHAIRPERSON-BoS**

*[Handwritten Signature]*  
**PRINCIPAL**



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Date: 20.04.2024

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

### Action Taken Report

S. No.	SUGGESTIONS GIVEN	ACTION TAKEN
<b>UG: R-2023</b>		
1	In the Third Semester, the members suggested to introduce Computer Architecture in the place of Digital Principles and System Design.	Computer Architecture is introduced in the place of Digital Principles and System Design.
2	In the Third Semester, the members suggested to give contents beyond the syllabus for the subject Data Exploration and Visualization.	Students will be asked to do online certification courses in Microsoft Power BI, Tableau etc.
3	The members advised to introduce seminar based courses from Second Year to enhance and evaluate their communication skills.	Seminars will be implemented and evaluated more effectively by using Rubrics.
4	To enroll all the students and staffs into professional body membership.	All students and staffs will be enrolled in domain specific Professional Body.
5	In the Fourth Semester, the member suggested to implement any one experiment as a web application as it is needed by the industry.	The particular subject faculty has to implement and show any one experiment as web application.
6	Students are insisted to do internships during the semester holidays.	During each semester holidays, students have to do internships of minimum 2 weeks.
7	The members insisted to strictly adhere to the prescribed text books mentioned in the syllabus during the Teaching Learning Process.	All faculties were strictly asked to follow the prescribed text books for their subjects.
<b>UG: R-2024</b>		
1	In the First Semester, BoS Members suggested to introduce C programming Language.	PSPP (Problem Solving and Python Programming) is replaced by Problem Solving using C for both Theory and Laboratory.
2	In the Second Semester, the members suggested to introduce Python Programming.	In Second Semester, Data Structures-I will be replaced by Problem Solving Using Python as an integrated Course.
3	The Bos Members asked to motivate the students by doing Mini Projects at the end of First Year.	All students will be motivated to do Mini Projects at the end of First Year.

  
CHAIRPERSON-BoS

  
PRINCIPAL

# **Computer Science and Business Systems**



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Ref.No: NIET/ CS & BS/BOS/23-24

## MINUTES OF MEETING

### 1st Board of Studies Meeting

### Department of Computer Science and Business Systems

Date:03/11/2023

#### Agenda

Welcome Address	<b>Dr.Y.Sarojini</b> Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India
Introduction of members	<b>Dr.Y.Sarojini</b> Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105
Presentation of Curriculum and Syllabus BE Computer Science and Business Systems	<b>Dr.Y.Sarojini</b> Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105
Vote of Thanks	<b>Mr RAGUL VIGNESH M</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105

  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
Coimbatore - 641 105.



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Ref.No: NIET/ CS & BS/BOS/23-24

**MINUTES OF MEETING**

**1st Board of Studies Meeting**

**Department of Computer Science and Business Systems**

Venue:Board Rooms( TBI ,NewGen) Abdulkalam block ,NIET

Date &Time: 03-11-2023 & 11.30 am

**Agenda**

BoS / CW01.1	:	Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Computer Science and Business Systems	
BoS / CW01.2	:	Introduction of members	
BoS / CW01.3	:	Board of Studies -Points Discussed - Outline	
		01.3.1	R2023 Curriculum Structure for B.Tech.Computer Science and Business Systems.
		01.3.2	I Semester Syllabus for B.Tech.Computer Science and Business Systems.
		01.3.3	New Academic Initiatives Taken
BoS / CW01.4	:	Suggestion given by the BoS Members	
BoS / CW01.5	:	Any other items	

**Dr. P. MANIWARAN**

Principal

Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

## MINUTES OF MEETING

The Board of Studies Meeting of Computer Science and Business Systems held on 03-11-2023 at Board Rooms( TBI ,NewGen) Abdulkalam block of Nehru Institute of Engineering and Technology, Coimbatore.

BoS / CW01.1	:	<i>Welcome Address and Opening remarks by Chairman, Board of Studies, Department of Mechanical Engineering</i>
		The Chairman, BOS of the Computer Science and Business Systems welcomed and introduced the members of First Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / CW01.2	:	<i>Introduction of members</i>
		The Chairman, BOS of the Computer Science and Business Systems introduced the internal and external members
BoS / CW01.3.1	:	TO CONFIRM AND APPROVE Curriculum structure for B.Tech.Computer Science and Business Systems under R 2023. (Enclosed in Annexure - II)
BoS / CW01.3.2	:	TO CONFIRM AND APPROVE 1st semester Syllabus for B.Tech.Computer Science and Business Systems under R-2023. (Enclosed in Annexure - III)
BoS / CW01.3.3	:	New Academic Initiatives Taken. (Enclosed in Annexure - IV)
BoS / CW01.4	:	<i>Suggestion given by the BoS Members</i>
01.4.1		<ul style="list-style-type: none"> <li>It is recommended to include Basics of C, C++ programming can be included in the lower semesters</li> </ul>
01.4.2		<ul style="list-style-type: none"> <li>Core subjects has to be included for competitive exam purposes (Theory of Computation, Compiler Design, Computer Networks, Computer Architecture)</li> </ul>
01.4.3		<ul style="list-style-type: none"> <li>Syllabus alterations are suggested and noted for Maths</li> </ul>
01.4.4		<ul style="list-style-type: none"> <li>Other language course can be added as open elective courses(Japanese, German, etc.).</li> </ul>
BoS / CW01.5	:	<i>Any other items</i>
01.5.1		The members appreciated the B.Tech.Computer Science and Business Systems curriculum structure, however they suggested that the teaching learning and evaluation process needs to be designed for the

  
 DR. P. MANTHARASANI  
 Principal

Nehru Institute of Engineering & Technology  
 Abdulkalam Block, Coimbatore - 641 105.

	integrated courses in such a way that the learner should get the full benefit of that.
01.5.2	Department Advisory committee has to be conducted to reframe vision and mission of the department

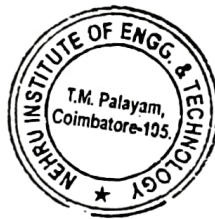
The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the curriculum and syllabus of R2023

Based on the suggestions given by the members, BoS resolved to recommend the Curriculum Structure and syllabus for the 1st semester courses prescribed for Computer Science and Business Systems (Annexure II & III) and syllabus for the 1st semester courses prescribed for other U.G. Programmes (Annexure IV) after carry out the modifications suggested by the members, under Regulation 2023 to the Academic Council for further approval.

Mr RAGUL VIGNESH M, Assistant Professor / Computer Science and Business Systems proposed vote of thanks for their kind cooperation and the meeting came to an end.

Y Sarojini - 3/11/23  
BOS CHAIRMAN

**Dr. Y. SAROJINI**  
Associate Professor & Head  
Dept. of Computer Science and Business Systems  
Nehru Institute of Engineering and Technology  
Coimbatore - 641 105.



P. Mani Arasan  
PRINCIPAL

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.

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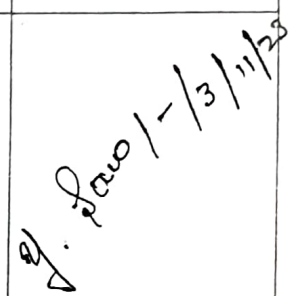
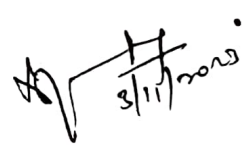
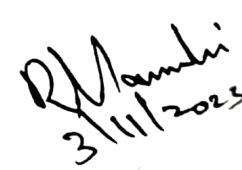
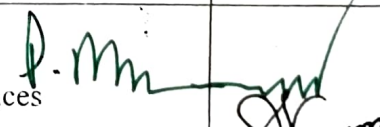
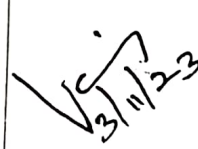






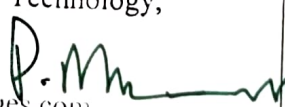
**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**

**MINUTES OF MEETING**

**FIRST BOARD OF STUDIES**

03/11/2023

Members	Members Details	Signature
Chairperson	<b>Dr. Y. SAROJINI,</b> Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nietdrsarojiniyarramseiti@nehrucolleges.com">nietdrsarojiniyarramseiti@nehrucolleges.com</a> , Mobile:+919787893935	 Dr. Sarojini - 3/11/23
Experts nominated by VC	<b>Dr. A. Meena Kowshalya</b> Associate Professor, Department of Computer Science and Engineering, Government College Technology, Coimbatore – 641 013 TamilNadu	 3/11/2023
Expert for special courses	<b>Dr. R. Manimegalai</b> Professor and Head, Department of Computer Science and Engineering, PSG Institute of Technology and Applied Research, Coimbatore – 641 013 TamilNadu	 3/11/2023
Subject experts from outside the Parent University	<b>1. Dr. J. IMMANUEL JOHN RAJA</b> Professor and Head - CSE Karunya Institute of Technology & Sciences Coimbatore - 641114 Ph : 9487846532 Mail-Id : <a href="mailto:immanueljohnraja@karunya.edu">immanueljohnraja@karunya.edu</a>	 <b>Dr. P. MANI ARAS</b> Principal Nehru Institute of Engg & Technology T.M.Palayam, Coimbatore - 641 105.
	<b>2. Dr. K. Vanitha</b> Associate Professor, Department of Computer Science and Engineering, Faculty of Engineering, Karpagam Academy of Higher Education (Deemed to be University) Coimbatore, India Mobile: 8940087949	 3/11/23

	Email:profvanithacse@gmail.com	
<b>Industry Expert</b>	<b>Mr.K.Santhosh Kumar</b> Designation: Manager - Corporate Relations Accent Techno Soft (ATS), No 203, Nehru Street, Ram Nagar, Coimbatore, Tamil Nadu - 641 009 Mobile: 7402 7402 34 <a href="mailto:Ats.ksanthosh@gmail.com">Ats.ksanthosh@gmail.com</a>	
<b>Alumni member</b>	-NA-	
<b>All Faculty Members</b>	<b>Mrs. RUBY ELIZABETH J,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nictjrbyelizabeth@nehrucolleges.com">nictjrbyelizabeth@nehrucolleges.com</a> 9941230648	
	<b>Mr RAGUL VIGNESH M,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nictragulcse@nehrucolleges.com">nictragulcse@nehrucolleges.com</a> 9842343826	
	<b>Mrs. PRIYA.B,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and TechnologyCoimbatore-641105, TamilNadu, India <a href="mailto:nictbpriyacse@nehrucolleges.com">nictbpriyacse@nehrucolleges.com</a> 9633364284	
	<b>Mrs. PRIYADHARSINI P,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nictpriyadharsinipeset@nehrucolleges.com">nictpriyadharsinipeset@nehrucolleges.com</a> 9788268372	
	<b>Mrs. SRUTHI P S,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and TechnologyCoimbatore-641105, TamilNadu, India	<b>Dr. P. MANIARASAN</b> Principal Nehru Institute of Engg & Techno T.M.Palayam, Coimbatore - 641

	<a href="mailto:nietsruthipsese@nehrucolleges.com">nietsruthipsese@nehrucolleges.com</a> 9188384183	
	<b>Mrs. ANJU P,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology Coimbatore-641105, TamilNadu, India <a href="mailto:nietanjup@nehrucolleges.com">nietanjup@nehrucolleges.com</a> 9567402031	<i>Anju</i> 3/11/23



**Dr. P. MANI ARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M. Palayam, Coimbatore - 641 105.



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Date: 04.11.2023

**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**

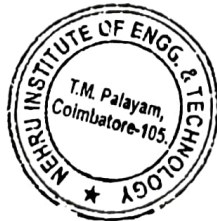
**1<sup>st</sup> Board of Studies – Minutes of Meeting**

**Action Taken Report**

S. No.	Suggestions Given By BoS Members	Action Taken
1.	It is recommended to include statistics paper..	Carried out.
2.	It is recommended to include Basics of C, C++ programming can be included in the lower semesters..	Carried out through VAC.
3.	It is recommended to include Subjects considering competitive exams. 1.Computer Architecture 2.Computer Networks 3.Theory of computation 4.Compiler Design	Carried out.

*y. Sarojini*  
04/11/2023  
BOARD CHAIRMAN

**Dr. Y. SAROJINI**  
Associate Professor & Head  
Dept. of Computer Science and Business Systems  
Nehru Institute of Engineering and Technology  
Coimbatore - 641 105.



*P. Mani Arasan*  
PRINCIPAL

04/11/2023  
**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

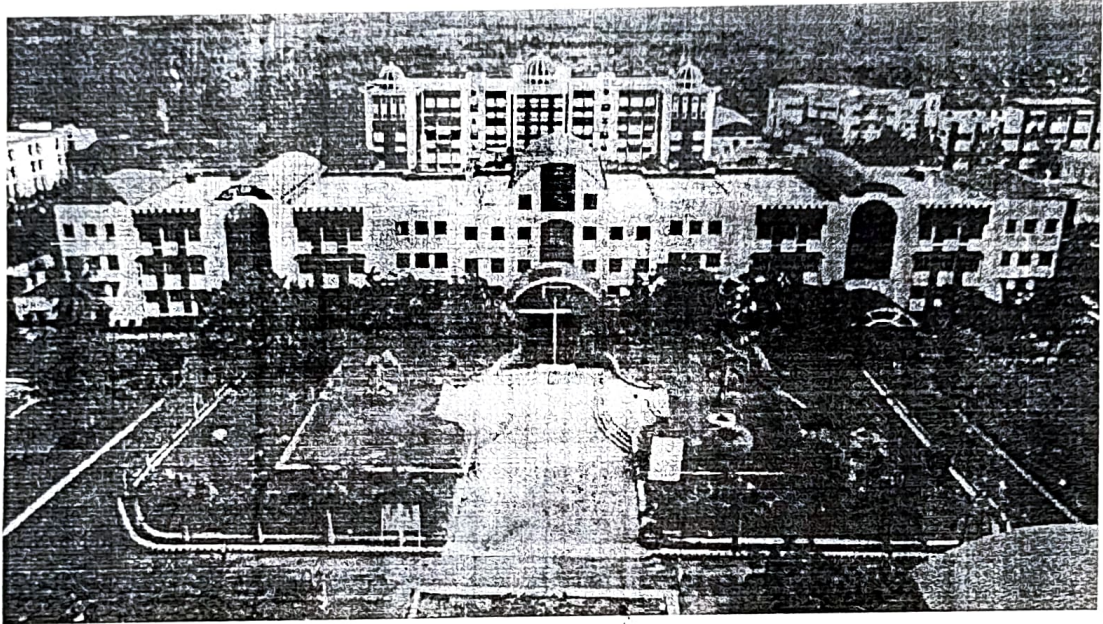
*P. Mani Arasan*



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**SECOND BOARD OF STUDIES MEETING – MINUTES**

**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**

**B.Tech., Computer Science and Business Systems**

**Venue: TBI Board Room**

**Date & Time: 28.03.2024 & 11.30 AM**

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore - 641 105

## AGENDA

Welcome Address	<b>Dr. Y. Sarojini</b> Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India
Introduction of Members	<b>Dr. Y. Sarojini</b> Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105
Presentation of Curriculum and Syllabus B.Tech. Computer Science and Business Systems	<b>Dr. Y. Sarojini</b> Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105
Vote of Thanks	<b>Mr. M. Ragul Vignesh</b> Assistant Professor (SG), Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105



**Dr. P. MANIARASAN**  
Principal

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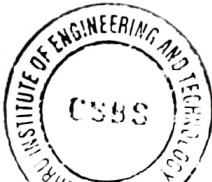
**Second Board of Studies Meeting**  
**Department of Computer Science and Business Systems**  
Venue: TBI Board Room

Date & Time: 28.03.2024 & 11.30 AM

Agenda

BOS / CW02.1	:	Welcome Address and Opening remarks by Chairperson, Board of Studies, Department of Computer Science and Business Systems.	
BOS / CW02.2	:	Introduction of BOS members.	
BOS / CW02.3	:	Board of Studies -Points Discussed – Outline.	
		02.3.1	R2023 Curriculum Structure for B.Tech.Computer Science and Business Systems. (Enclosed in Annexure - I). R2024 Curriculum Structure for B.Tech.Computer Science and Business Systems. (Enclosed in Annexure - I).
		02.3.2	R2023 IInd, IIIrd & IVth Semester Syllabus for B.Tech Computer Science and Business Systems. (Enclosed in Annexure - II). R2024 Ist & IInd Semester Syllabus for B.Tech.Computer Science and Business Systems. (Enclosed in Annexure - II).
		02.3.3	New Academic Initiatives Taken.
BOS / CW02.4	:	Suggestion given by the BOS Members.	
BOS / CW02.5	:	Any other Suggestions.	

J. Sauri - /28/3/24  
BOARD CHAIRPERSON



*P. Mani*  
Dr. P. MANIARASAN  
Principal

Nehru Institute of Engg & Technology  
T.M.Palayam, Coimbatore

*P. Mani*  
PRINCIPAL  
Dr. P. MANIARASAN  
Principal

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## Minutes of Meeting

The Board of Studies Meeting of Computer Science and Business Systems held on 28.03.2024 around 11.30 am at TBI Board Room Abdul Kalam block of Nehru Institute of Engineering and Technology, Coimbatore.

BOS / CW02.1	:	<i>Welcome Address and Opening remarks by Chairperson, Board of Studies, Department of Computer Science and Business Systems.</i>
	:	The Chairperson, BOS of the Computer Science and Business Systems welcomed and introduced the members of Second Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BOS / CW02.2	:	<i>Introduction of members.</i>
	:	The Chairperson, BOS of the Computer Science and Business Systems Introduced the internal and external members.
Ref : Letter from Director, Centre for Academic Courses, Anna University, Chennai <b>Letter No. 3460/AU/CAC/2023</b>		
BOS / CW02.3.1	:	The Chairperson, BOS of the CS&BS department presented the curriculum structure and detailed syllabus of B.Tech CS&BS of R2023.
BOS / CW02.3.2	:	The Chairperson, BOS of the CS&BS department presented the curriculum structure and detailed syllabus of B.Tech CS&BS of R2024 and explained the new initiative courses i.e. Skill Enhancement course, Value Added Course & Ability Enhancement Courses.
BOS / CW02.3.3	:	New Academic Initiatives Taken. (to be discussed)

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Principal  
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Thirumalayampalayam, Coimbatore - 641 105.

BOS / CW01.4	Suggestion given by the BOS Members
02.4.1	<p><b>Dr. A.Meena Kowshalya</b>, Associate Professor, Department of Computer Science and Engineering, Government College Technology, who was nominated as university nominee by VC Anna university suggested the following</p> <ul style="list-style-type: none"> <li>• Department PSO has to be included in CO- PO mapping</li> <li>• Knowledge level has to be included in CO's with reference to blooms taxonomy.</li> <li>• Common subject code and syllabus must be same for all departments.</li> <li>• Discrete Mathematics should be included in Curriculum.</li> </ul>
02.4.2	<p><b>Dr. J. Immanuel John Raja</b>, Professor and Head – CSE, Karunya Institute of Technology &amp; Sciences, who served as the subject expert form other University join in Google meet <a href="https://meet.google.com/axz-tsqe-ocy">https://meet.google.com/axz-tsqe-ocy</a> and, suggested the following</p> <ul style="list-style-type: none"> <li>• Appreciated for introducing Skill enhancement course, Value Enhancement course and Ability Enhancement course</li> <li>• Object Oriented Programming Paradigm can be rename as Object Oriented Programming using Java</li> </ul>
02.4.3	<p><b>Dr. R. Manimegalai</b>, Professor and Head, Department of Computer Science and Engineering, PSG Institute of Technology and Applied Research, who served as the expert for special courses of study, suggested the following</p> <ul style="list-style-type: none"> <li>• Basics of digital electronics can be held as bridge course.</li> <li>• Data Structures and Algorithms and Design and Analysis of Algorithms can be kept as separate subjects rather than combine.</li> </ul>
02.4.4	<p><b>Dr. K.Vanitha</b>, Associate Professor, Department of Computer Science and Engineering, Faculty of Engineering, Karpagam Academy of Higher Education (Deemed to be University), who served as the subject expert form other University join in Google meet <a href="https://meet.google.com/axz-tsqe-ocy">https://meet.google.com/axz-tsqe-ocy</a> and suggested the following</p> <ul style="list-style-type: none"> <li>• Digital Communication Network can be rename as High Speed Networks</li> <li>• Data Structures lab can be implemented using C programming.</li> </ul> <p><b>Mr.K.Santhosh Kumar</b>, Manager - Corporate Relations Accent Techno Soft (ATS), who served as the Industry expert, suggested the following</p> <ul style="list-style-type: none"> <li>• Basics of Agile and Scrum have to be included in lab practical's.</li> <li>• MONGODB concept should be introduced in Database management Systems.</li> </ul>

  
**Dr. P. MANIARASAN**  
 Principal  
 Nehru Institute of Engg & Technology  
 T.M.Palayam, Coimbatore - 641 109.

BOS / CW02.5	Any other Suggestions
02.5.1	Suggested that the students of CS&BS can concentrate more on E-commerce project which will be useful for their career.
02.5.2	Suggested to check the Course pre-requisites for all the Subjects

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the curriculum and syllabus of R2023 and R2024

Based on the suggestions given by the members, BOS resolved to recommend the Curriculum Structure for (R2023) & (R2024) semester courses prescribed for Computer Science and Business Systems (Annexure I & II) and syllabus for (R2023) & (R2024) semester courses. After carrying out the modifications suggested by the members, under Regulation 2023 and 2024, the corrected copy has been submitted to the Academic Council for further approval. Mr. Ragul Vignesh.M, Assistant Professor (SG) / Computer Science and Business Systems proposed a vote of thanks for their kind cooperation and the meeting came to an end.

*R. S. Rao*  
28/3/24  
BOARD CHAIRPERSON



*P. Mani Arasan*  
PRINCIPAL

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engg. & Technology  
T.M.Palayam, Coimbatore - 641 105.

*P. Mani Arasan*  
**Dr. P. MANIARASAN**  
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Date: 01.04.2024

**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**

**2<sup>nd</sup> Board of Studies – Minutes of Meeting**

**Action Taken Report**

S. No.	Suggestions Given By BoS Members	Action Taken
1.	<ul style="list-style-type: none"><li>Department PSO has to be included in CO- PO mapping.</li><li>Knowledge level has to be included in CO's with reference to blooms taxonomy.</li></ul>	Carried out.
2.	<ul style="list-style-type: none"><li>Object Oriented Programming Paradigm can be rename as Object Oriented Programming using Java.</li><li>Digital Communication Network can be rename as High Speed Networks.</li></ul>	Carried out.
3.	<ul style="list-style-type: none"><li>Data Structures and Algorithms and Design and Analysis of Algorithms can be kept as separate subjects rather than combining.</li></ul>	Carried out.

*y. Sawal* - /01/04/2024  
BOARD CHAIRPERSON

*P. Mani*  
PRINCIPAL



**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engineering & Technology  
T.M.Palayam, Coimbatore - 641 105.

*P. Mani*

**Dr. P. MANIARASAN**  
Principal  
Nehru Institute of Engineering & Technology  
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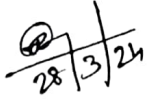

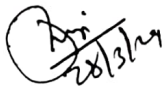

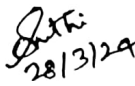
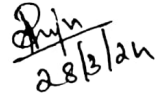
## DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

### SECOND BOARD OF STUDIES

28/03//2024

Members	Members Details	Signature
Chairperson	<b>Dr.Y.SAROJINI</b> , Associate Professor and Head, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nietdrsarojiniyarramsetti@nehrucolleges.com">nietdrsarojiniyarramsetti@nehrucolleges.com</a> , Mobile:+919787893935	 28/3/24
University Nominee	<b>Dr. A.Meena Kowshalya</b> Associate Professor, Department of CSE, Government College Technology, Coimbatore – 641 013	 28/3/2024
Expert for special courses	<b>Dr R MANIMEGALAI</b> Professor and Head, Department of Computer Science and Engineering, PSG Institute of Technology and Applied Research, Coimbatore	 28/3/2024
Subject experts from outside the Parent University	<b>1. Dr. J. IMMANUEL JOHN RAJA</b> Professor and Head - CSE Karunya Institute of Technology & Sciences Coimbatore - 641114 Ph : 9487846532 Mail-Id : <a href="mailto:immanueljohnraja@karunya.edu">immanueljohnraja@karunya.edu</a>	Attended through online mode  28/03/2024
	<b>2. Dr.K.VANITHA</b> Associate Professor, Department of Computer Science and Engineering, Faculty of Engineering, Karpagam Academy of Higher Education(Deemed to be University) Coimbatore, India Mobile:8940087949 Email: <a href="mailto:profvanithacse@gmail.com">profvanithacse@gmail.com</a>	Attended through online mode  28/03/2024
Industry Expert	<b>Mr.K.SANTHOSH KUMAR</b> Designation: Manager - Corporate Relations Accent Techno Soft (ATS), No 203, Nehru Street, Ram Nagar, Coimbatore, Tamil Nadu - 641 009 Mobile: 7402 7402 34 <a href="mailto:Ats.ksanthosh@gmail.com">Ats.ksanthosh@gmail.com</a>	 <b>Dr. P. MANI ARASAN</b> Principal Nehru Institute of Engg. & Technology T.M.Palayam, Coimbatore - 641 105.

Alumni member

All Faculty Members	<p><b>Mrs.RUBY ELIZABETH J,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nietjrbyelizabeth@nehrucolleges.com">nietjrbyelizabeth@nehrucolleges.com</a> 9941230648</p>	 28/3/24
	<p><b>Mr RAGUL VIGNESH M,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nietragulcse@nehrucolleges.com">nietragulcse@nehrucolleges.com</a> 9842343826</p>	 28/3/24
	<p><b>Mrs.PRIYA.B,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and TechnologyCoimbatore-641105, TamilNadu, India <a href="mailto:nietbpriyase@nehrucolleges.com">nietbpriyase@nehrucolleges.com</a> 9633364284</p>	 28/3/24
	<p><b>Mrs.PRIYADHARSINI P,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and Technology, Coimbatore-641105, TamilNadu, India <a href="mailto:nietpriyadharsinipcse@nehrucolleges.com">nietpriyadharsinipcse@nehrucolleges.com</a> 9788268372</p>	 28/3/24
	<p><b>Mrs.SRUTHI P S,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and TechnologyCoimbatore-641105, TamilNadu, India <a href="mailto:nietSruthipscse@nehrucolleges.com">nietSruthipscse@nehrucolleges.com</a> 9188384183</p>	 28/3/24
	<p><b>Mrs. ANJU P,</b> Assistant Professor, Computer Science and Business Systems, Nehru Institute of Engineering and TechnologyCoimbatore-641105, TamilNadu, India <a href="mailto:nietanjup@nehrucolleges.com">nietanjup@nehrucolleges.com</a> 9567402031</p>	 28/3/24

*Y. Sano* / - / 28/3/24  
CHAIRPERSON/BOS

*P. M. [Signature]*  
PRINCIPAL



**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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# **Master of Business Administration**

## Minutes of Meeting

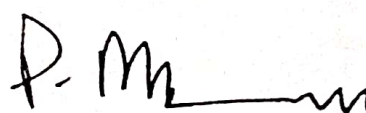
The Board of Studies meeting of Department of Management Studies held on 02.11.2023 at 10:00 AM at Board Room, Nehru Institute of Engineering and Technology, Coimbatore.

BoS / MG 01.1	:	Welcome Address by Dr. S. Shanthi, Professor and Academic Coordinator, Department of Management Studies, NIET and Opening remarks by Dr. P. T. Vijaya Rajakumar, Chairman, Board of Studies, Department of Management Studies, NIET
	:	The Chairperson, Board of Studies, Department of Management Studies introduced the members of First Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / MG 01.2	:	<i>Introduction of members</i>
	:	The Chairperson, BOS of Management Studies introduced the internal and external members
Ref : Letter from Director, Centre for Academic Courses, Anna University, Chennai Letter No. 3460/AU/CAC/2023		
BoS / MG 01.3.1	:	With the reference to the above letter cited, the following activities were performed by the BoS Members
	:	To CONFIRM and APPROVE Curriculum structure for MBA under R-2023. (Enclosed in Annexure – I)
BoS / MG 01.3.2	:	To CONFIRM and APPROVE Course Syllabus – Semester I to II for MBA under R-2023. (Enclosed in Annexure – II)
BoS / MG 01.4	:	<i>Approval and Suggestion given by the BoS Members</i>
01.4.1	:	<p>The Chairperson of Board of Studies, Dr. P.T. Vijaya Rajakumar presented the Curriculum of MBA and Syllabus under R-2023 before the BoS Members.</p> <ul style="list-style-type: none"><li>• Professional Core Course – International Business can be transferred from III Semester to IV semester.</li><li>• The Sectoral Specialization – Logistics and supply Chain Management has been converted into Functional Specialization.</li><li>• New elective courses can be offered in each elective stream.</li><li>• Online Certification Course (NPTEL) can be included in II and III semester. So, that Employment can be enhanced.</li><li>• The proposals have been discussed and approved by the Board.</li></ul>

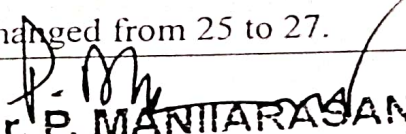


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Principal

Nehru Institute of Engg. & Technology  
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01.4.2	<p>The following recommendations are advised by Board of Studies Members to consider for the upcoming Academic Year 2023 – 2024 onwards.</p> <p>The University Nominee of Board of Studies, Dr. R. Jayanthi Associate Professor, Department of Management Studies, Coimbatore Institute of Technology, Coimbatore suggested the following;</p> <ul style="list-style-type: none"> <li>• Entrepreneurship Development can be converted as Professional Core Course from Non – functional elective in I semester and the same has been approved by the Board.</li> <li>• Artificial Intelligence and Machine Learning Seminar can be included in the II semester and Syllabus for the same has been discussed and approved by the Board.</li> <li>• The following Financial Management Elective courses are suggested to be included in the III Semester; <ul style="list-style-type: none"> <li>(i) Direct Tax Laws and Practice</li> <li>(ii) GST and Customs Law</li> <li>(iii) Corporate Accounting</li> </ul> </li> <li>• The suggested courses have been discussed and approved by the Board.</li> </ul>
01.4.3	<p>The Subject Expert of Board of Studies, Dr. K. Chandrasekar, Associate Professor &amp; Placement Officer, Alagappa Institute of Management, Alagappa University, Karaikudi suggested the following;</p> <ul style="list-style-type: none"> <li>• One Professional Elective Course can be included in IV semester additionally and same has been approved by the Board.</li> <li>• Employment Enhancement Course (EEC) - Professional Skill development course can be included in IV semester has been discussed and approved by the Board.</li> <li>• The following Operations Management Elective courses are suggested to be included in the III Semester; <ul style="list-style-type: none"> <li>(i) Maintenance Management</li> <li>(ii) Modern Manufacturing Management</li> </ul> </li> <li>• The suggested courses have been discussed and approved by the Board.</li> </ul>
01.4.4	<p>The Subject Expert of Board of Studies, Dr. G. Bhuvaneshwari, Professor and Head, Kumaraguru School of Business, K.G. Chavadi, Coimbatore suggested the following;</p> <ul style="list-style-type: none"> <li>• The first and second seminar courses Indian Ethos and Business Ethics can be combined and considered as one seminar course in first semester.</li> <li>• Business Intelligence with AI Laboratory course can be included in III Semester.</li> <li>• The following Human Resource Management Elective courses are suggested to be included in the III Semester; <ul style="list-style-type: none"> <li>(i) Performance Management</li> <li>(ii) Competency Mapping</li> <li>(iii) HR Analytics</li> <li>(iv) Human resource Accounting and Auditing</li> </ul> </li> <li>• The suggested courses have been discussed and approved by the Board.</li> </ul> <p style="text-align: right;">   <b>Dr. P. MANIARASAN</b>  Principal  Nehru Institute of Engg. &amp; Technol.  U.M. Parayam, Coimbatore - 641 002 </p>

01.4.5	<p>The Industry Expert of Board of Studies, Mr. K. Asok, Sr. Executive – Business Development, NITCO Tiles, North Kerala Region, Ernakulam suggested the following;</p> <ul style="list-style-type: none"> <li>• The Presentation skills and Spreadsheet knowledge have to be increased among students, so it can be included in the Data Analysis and Business Modeling and same has been approved by Board.</li> <li>• The following Marketing Management Elective courses are suggested to be included in the III Semester; <ul style="list-style-type: none"> <li>(i) Rural Marketing</li> <li>(ii) Marketing Research</li> <li>(iii) Retail Operations Management</li> </ul> </li> <li>• The suggested courses have been discussed and approved by the Board.</li> </ul>
01.4.6	<p>The Alumni Member of Board of Studies, Mr. S.P. Vimal Divakar, Soft Skill Trainer, NCPIR, Coimbatore suggested the following;</p> <ul style="list-style-type: none"> <li>• Professional Skill Development training can be given to students to get placements in reputed organizations.</li> <li>• Basics of IT and software programming courses can be included for HR specialization students.</li> <li>• The following Business Analytics Elective courses are suggested to be included in the III Semester; <ul style="list-style-type: none"> <li>(i) IT Project Management</li> <li>(ii) Cloud Computing and IoT Applications</li> <li>(iii) IT Governance and Compliance</li> </ul> </li> <li>• The suggested courses have been discussed and approved by the Board.</li> </ul>
BoS / MG 01.5	: <i>Any other items</i>
01.5.1	: <ul style="list-style-type: none"> <li>• New Course Code has been changed for all the courses from I Semester to IV Semester for MBA Programme.</li> <li>• In I Semester, the credits can be changed in Statistics for Management and Accounting for Decision Making from 3 to 4 without any changes in syllabus. The Indian Ethos and Business Ethics have been merged and the credit can be reduced from 2 to 1 and also contact periods can be reduced from 4 to 2.</li> <li>• The overall credit for I Semester is changed from 25 to 26.</li> </ul>
01.5.2	: <ul style="list-style-type: none"> <li>• In II Semester, the credits of Marketing Management and Quantitative techniques for Decision Making can be changed from 3 to 4 without any changes in syllabus. Business Analytics course can be changed as Business Intelligence and Analytics without changing any credit. Artificial Intelligence and Machine Learning Seminar can be included with 1 credit and 2 contact periods. Basic MS Word, Excel, PowerPoint, Access can be included in Data Analysis and Business Modelling laboratory.</li> <li>• Management Foundation online Certificate Course (NPTEL) has been included with 1 credit.</li> <li>• The overall credit for II Semester is changed from 25 to 27.</li> </ul>


  
**DR. P. MANI ARASAN**  
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T.M.Panayur, Coimbatore - 641 007

01.5.3	:	<ul style="list-style-type: none"> <li>• The Business Intelligence with Artificial Intelligence Laboratory course can be included with 2 credits.</li> <li>• Elective based Online Certificate Course (NPTEL) has been included with 1 credit.</li> <li>• The overall credit for III Semester is changed from 25 to 27.</li> </ul>
01.5.4	:	<ul style="list-style-type: none"> <li>• The Core course International Business can be transferred from III semester to IV semester. One elective course for each stream / specialization and also one Professional Skill Development Seminar with 1 credit and 2 contact periods can be included in IV Semester. The credit of Project work can be reduced from 12 to 6.</li> <li>• The overall credit for IV Semester is changed from 12 to 18 with inclusion of 1 PCC, 2 PEC and 1 EEC.</li> </ul>
01.5.5	:	<ul style="list-style-type: none"> <li>• Two NPTEL Certificate Courses can be included in II and III Semesters with 1 credit.</li> <li>• The overall credit of the Course is increased from 90 to 98.</li> <li>• The Board members recommended to ensure students have access to the latest editions of textbooks, reference books, and updated e-sources.</li> <li>• It was clarified that Program Specific Outcomes (PSOs) are not applicable for the MBA Programme.</li> <li>• The above changes from I Semester to IV Semester have been discussed and approved by the Board.</li> </ul>
01.5.6	:	<ul style="list-style-type: none"> <li>• The following Management Courses for Master of Engineering Programme are suggested to retain with new Course Code. <ol style="list-style-type: none"> <li>1. Disaster Management</li> <li>2. Research Methodology and IPR</li> </ol> </li> </ul> <p>The change has been discussed and approved by the Board.</p>

The members had a brainstorming discussion and interaction among themselves, fruitful suggestions were incorporated appropriately in the curriculum and syllabus of R-2023.

Based on the suggestions given by the BoS members, resolved to recommend the Curriculum Structure (Annexure I), syllabus for the course (Semester I to II) prescribed for MBA (Annexure II) under R-2023. The same is recommended and forwarded to the Academic Council for further approval.

Mrs. R. Yasodha, Assistant Professor, Department of Management Studies proposed vote of thanks for their kind cooperation and suggestions towards the benefit of students and the meeting came to an end. The First Board of Studies Meeting ended successfully.

  
 2/11/23  
 CHAIRPERSON  
 Board of Studies - MBA

  
 P.M.  
 PRINCIPAL



# NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)



An ISO 9001:2015 & ISO 14001:2015 Certified Institution, Affiliated to Anna University, Chennai  
Approved by AICTE, New Delhi, Recognized by UGC with 2(D) & 12(B)  
Re-accredited by NAAC "A+", NBA Accredited (UG Courses): AERO | CSE  
Nehru Gardens, Thirumalayampalayam, Coimbatore – 641 105.

## DEPARTMENT OF MANAGEMENT STUDIES

### Action Taken Report

Date: 02.11.2023


Meeting Venue: Board room, NGI- TBI.

#### Minutes of the Meeting Summary:

During the First Board of Studies (BoS) meeting, several valuable suggestions and recommendations were put forth by the BoS members, aimed at enhancing the MBA curriculum. The following actions have been taken in response to these suggestions:

S. No.	Suggestion / Recommendation by BoS Members	Action Taken Report
1	The board members recommended that Entrepreneurship Development can be given as Professional Core Course from Non- functional elective in I semester.	The course is changed as Professional Core Course from Non- functional elective and the same has been approved by the Board.
2	The board members suggested that the first and second seminar courses Indian Ethos and Business Ethics can be combined and considered as one seminar course in first semester.	The course name has been changed as Indian Ethos and Business Ethics and the same has been approved by the Board.
3	The board members discussed and suggested to increase credits for the following courses. 1. Statistics for Management – I Semester 2. Accounting for Decision Making- I Semester 3. Data Analysis for Decision Making - II Semester 4. Marketing Management - II Semester 5. Strategic Management – III Semester 6. International Business – IV Semester	The suggestion to increase the credit value of selected papers from I Semester to IV semester 3 Credits to 4 credits has been approved by the Board.
4	The board members suggested that Business Analytics course can be changed as Business Intelligence and Analytics	The course name has been changed without changing the Syllabus and Credit and same has been approved by Board.
5.	The Presentation skills and Spreadsheet knowledge have to be increased among students.	In order to increase the student's knowledge level, it is been included in the Data Analysis and Business Modeling and same has been approved by Board.
6.	The board suggested to introduce seminar Course on Artificial Intelligence and Machine Learning.	Artificial Intelligence and Machine Learning course is introduced in II Semester as seminar course with the credit of 1. The syllabus has been framed and approved by board.
7.	Encourage students to register for certification courses provided by Swayam, NPTEL, etc	The institution will actively promote awareness among students about the certification courses offered by Swayam, NPTEL, etc. Guidance and support will be provided for registration

S. No.	Suggestion / Recommendation by BoS Members	Action Taken Report
8.	It is suggested that to transfer the third semester's core course International Business into the fourth semester.	The proposal to transfer one PCC-International Business from the 3rd to the 4th semester with 4 credits each has been accepted.
9.	The board members recommended that Sectoral Specialization - Logistics and supply Chain Management has been converted into Functional Specialization.	Sectoral Specialization - Logistics and supply Chain Management has been changed into Functional Specialization and same has been approved by Board.
10.	The board suggested adding New elective Courses in each functional specialization.	Board members discussed and decided to include 3 to 4 new courses in each functional specialization. Also syllabus has been framed and approved.
11.	University nominee suggested to introduce courses relating to Business Intelligence and AI, as AI is the need of the hour.	The external and internal members discussed and introduced a new course Business Intelligence with AI Tools Laboratory in the III semester an Syllabus for the same has been discussed and approved by the Board.
12.	The board members recommended that continuous Soft skill training has to be given to students to get placements in reputed organizations.	The Professional Skill Development Course has been introduced to carry out various activities in order to develop students skills and attitude level in the IV semester. The syllabus has been framed and approved by the board.
13.	The members suggested that duration of project work and credit can be reduced in the IV semester to include 1 PCC and 2 PEC. so that students can be more specialized in the area of specialization.	The Project work in IV semester can be reduced to 8 weeks with the credit of 6 from 12 and same has been approved by Board.
14.	It was clarified that Program Specific Outcomes (PSOs) are not applicable for the MBA Programme	The clarification regarding the non-applicability of PSOs for the MBA Programme has been noted and documented in the curriculum guidelines
15.	Ensure students have access to the latest editions of textbooks, reference books, and updated e-sources	The institution is actively working to provide students with access to the latest editions of textbooks, reference materials, and updated e-sources. The library and digital resources are being updated accordingly

  
**CHAIRMAN**  
 Board of Studies - MBA

  
**PRINCIPAL**

**Dr. P. MANIARASAN**  
 Principal  
 Nehru Institute of Engg & Technology  
 T.M.Palayam, Coimbatore - 641 105.