Department of Information Technology

National Engineering College, K.R.Nagar, Kovilpatti – 628 503.
(An Autonomous Institution - Affiliated to Anna University, Chennai)
www.nec.edu.in

17th Board of studies Meeting in the Department of
Information Technology

Venue: Department of IT, National Engineering College
K.R.Nagar, Kovilpatti – 628503

Date & Time: 02.07.2022 & 11.00 a.m.

Agenda

BoS / IT 17.1	:	Welcome address and Opening Remarks by Chairman, Board of studies in the department of Information Technology
BoS / IT 17.2	:	Confirmation of the Minutes of the 16th meeting of Board of studies in the department of Information Technology held on 25th NOV 2021 and Action taken report of 16th meeting of Board of studies
BoS / IT 17.3	:	Business brought forward by the Chairman, Board of studies 17.3.1 Additional One credit courses for UG degree programmes under R-2019 17.3.2 B.Tech. - Artificial Intelligence and Data Science - Curriculum and Syllabi of UG degree programme under R-2019 17.3.3 Approval for inclusion of Mandatory Elective Course Professional Readiness for Innovation, Employability and Entrepreneurship degree programme under R-2019 17.3.4 Approval for list of examiners for project viva voce examinations
BoS / IT 17.4	:	Any other items
BoS / IT 17.5	:	Suggestions given by the BoS Members

F. No. 17.1/NEC/ IT/2021-22

02nd July, 2022

Dear Sir/Madam,

> **Sub:** *Minutes of the 17th Meeting of the Board of studies in the Information Technology -*
> *Reg.*

Kindly find attached herewith the Minutes of the 17th Meeting of Board of studies of the Information Technology of National Engineering College, K.R.Nagar, Kovilpatti – 628503 held on 02nd July, 2022 at 11.00 AM. Hard copy of the minutes is also being sent to you by speed post.

It is requested that comments on the Minutes, if any, may please be sent by email at hodit@nec.edu.in or by post, at the earliest. If no comments are received, within ten days, the Minutes shall be taken as confirmed. With kind Regards,

Yours Sincerely

(Dr.K.G.Srinivasagan)

Department of Information Technology

MINUTES of 17th Meeting of the Board of studies held on
02nd July, 2022 at 11.00 AM

Venue: Department of IT, National Engineering College
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MINUTES OF THE MEETING

The 17th Meeting of the Board of studies of the Information Technology was held on 02nd July 2022 at 11.00 AM through Google Meet.

1. The following members were present:

1.	Dr.K.G.Srinivasagan	Chairman
2.	Dr.R.Muthukkumar, Asso. Prof.	Internal Members
3.	Dr.S.Chidambaram, Asst. Prof. (SG)	
4.	Dr.S.Rajagopal, Asst. Prof. (SG)	
5.	Dr.V.Jackins, Asst. Prof. (SG)	
6.	Mr.G.Pandiyarajan, Asst. Prof.	
7.	Ms.V.Anitha, Asst. Prof.	
8.	Ms.S.Santhi, Asst. Prof.	
9.	Dr.S.Swamynathan, Professor, Department of Information Science &Technology, Anna University, Chennai.	University Nominee
10.	Dr.P.Yogesh, Professor, Department of Information Science &Technology, Anna University, Chennai.	Academic/Alumni Expert
11.	Dr. Shajulin Benedict, Assistant Professor, Department of Computer Science and Engineering, IIIT - Kottayam.	Special Invitee
12.	Dr. Debasis Samanta, Associate Professor Department of Computer Science & Engineering, IIT - Kharagpur.	Special Invitee
13.	Mr.Antony Arravindh, Senior Project Manager, HCL Technologies, Chennai.	Alumni/Industrial Expert
14.	Dr.K.M.Suceendran, General Manager, Tata Consultancy Services, Chennai.	Industrial Expert
15.	Anandh.A, Third year	Student Members
16.	Anto Rosario.S, Third year	

BoS / IT 17.1	:	WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF INFORMATION TECHNOLOGY
		The Chairman, BoS of the Information Technology welcomed and introduced the members of 17th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / IT 17.2	:	TO CONFIRM THE MINUTES OF SIXTEENTH BOS MEETING HELD ON 25th NOV, 2021.
		The minutes of the **Sixteenth Board of Studies meeting** held on 25th Nov, 2021 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 16th Academic council. ➤ **Action Taken Report** (Enclosed in *Annexure I*)
BoS / IT 17.3.1		**TO CONFIRM AND APPROVE** ADDITIONAL ONE CREDIT COURSES FOR UG DEGREE PROGRAMMES UNDER R-2019
		RESOLVED TO APPROVE additional one credit courses for UG degree programmes under R2019
BoS / IT 17.3.2	:	**TO CONFIRM AND APPROVE** B.TECH. - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE - CURRICULUM AND SYLLABI OF UG DEGREE PROGRAMME UNDER R-2019
		RESOLVED TO APPROVE B.Tech. - Artificial Intelligence and Data Science - Curriculum and Syllabi of UG degree

		programme under R-2019
BoS / IT 17.3.3		**TO CONFIRM AND APPROVE** INCLUSION OF MANDATORY ELECTIVE COURSE "PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP" DEGREE PROGRAMME UNDER R-2019
		RESOLVED TO APPROVE inclusion of Mandatory Elective Course Professional Readiness for Innovation, Employability and Entrepreneurship degree programme under R-2019
BoS / IT 17.3.4		**TO CONFIRM AND APPROVE** LIST OF EXAMINERS FOR PROJECT VIVA VOCE EXAMINATIONS
		RESOLVED TO APPROVE list of examiners for project viva voce examinations
BoS / IT 17.4	:	**SUGGESTIONS GIVEN BY THE BOS MEMBERS**
17.4.1	:	**One Credit Courses**
		In **Arduino Programming** , some basic concepts may be included.
		In **Mathematics for Machine Learning**, some Python based tools may be used to explore statistical concepts. Content is heavy for offering as one credit, and it may be provided as a three credit course.
		In **Network Simulation with NS3** one credit course contents related to NS4 may also be included.
		In **Python for Data Science**, some popular dataset may be specified. In reference books, year may be mentioned.
		In **Node JS**, some introduction about meanstack development may be provided.

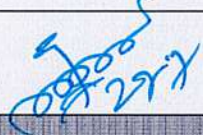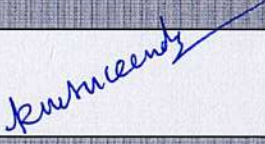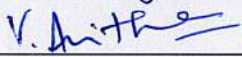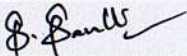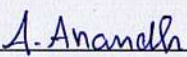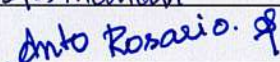|		
		In **Introduction to NoSQL with MongoDB**, case study based exercises related to social media applications and IoT based applications may be included
17.4.2	:	**Artificial Intelligence and Data Science**
		Syllabus of **Physics for Information Sciences** is exactly same as **Digital systems.** Either the title should be changed to the syllabus must be updated
		In **Data Structures course,** syllabus may be framed with some lighter content. In subsequent lab exercises, programs mentioning specific sorting algorithms may be given.
		Courses like **Design and Analysis of Algorithms** is considered to be given too early in semester 3 and **Theory of Computation** is too late to be offered in semester 5.
		Before offering **Deep Learning** course in Semester 6, at least one course may be given on **Artificial Neural Network**.
		Courses like **Computer Networks** and **Information security** must be offered in curriculum.
		As per suggestions from BoS members the first semester subjects in AI&DS may be kept light-weighted following uniformity.
17.4.3	:	Mandatory Elective Course on **Professional Readiness for Innovation, Employability and Entrepreneurship** may be recommended.
17.4.4		**List of examiners** to be approved for project viva voce examinations, may be confined to Associate Professor and Professors.
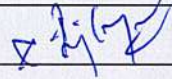
The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated.

Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

a) Additional One credit courses for UG degree programmes under R-2019

b) B.Tech. - Artificial Intelligence and Data Science - First year Curriculum and Syllabi of UG degree programme under R-2019

c) Approval for inclusion of Mandatory Elective Course "Professional Readiness for Innovation, Employability and Entrepreneurship" degree programme under R-2019

d) To get approval for list of examiners for project viva voce examinations

Ms.S.Santhi, Asst. Prof., thanked all the members for their kind cooperation and the meeting came to an end.

Members Present:

Dr.K.G.Srinivasagan, Prof & Head ,Board Chairman	
Industrial Expert	
Dr.K.M.Suceendran, General Manager, Tata Consultancy Services, Chennai.	
Internal Members	
Dr.R.Muthukkumar, Asso. Prof.	
Dr.S.Chidambaram, Asst. Prof. (SG)	
Dr.S.Rajagopal, Asst. Prof. (SG)	
Dr.V.Jackins, Asst. Prof. (SG)	
Mr.G.Pandiyarajan, Asst. Prof.	
Ms.V.Anitha, Asst. Prof.	
Ms.S.Santhi, Asst. Prof.	
Student Members	
Anandh.A, Third year	
Anto Rosario.S, Third year	

Members Present Online:

1.	Dr.S.Swamynathan, Professor, Department of Information Science &Technology, Anna University, Chennai.	University Nominee
2.	Dr.P.Yogesh, Professor, Department of Information Science &Technology, Anna University, Chennai.	Academic Experts

Members Present Online:

1.	Dr.S.Swamynathan, Professor, Department of Information Science &Technology, Anna University, Chennai.	University Nominee
2.	Dr.P.Yogesh, Professor, Department of Information Science &Technology, Anna University, Chennai.	Academic Experts
3.	Dr. Shajulin Benedict, Assistant Professor, Department of Computer Science and Engineering, IIIT - Kottayam.	Special Invitee
4.	Dr. Debasis Samanta, Associate Professor Department of Computer Science & Engineering, IIT - Kharagpur.	
5.	Mr.Antony Arravindh, Senior Project Manager, HCL Technologies, Chennai.	Industrial Experts and Alumni

CHAIRMAN
BOARD OF STUDIES

ANNEXURE I

Actions taken for Minutes of 16th BoS Meeting

As per BOS Committee suggestion,

- Curriculum Restructuring

    - One core course from seventh semester is shifted to sixth semester

    - One elective course from sixth semester is shifted to seventh semester

- Syllabus Reformation – Product Development Laboratory

- Specialization course to be offered in UG degree programme under R-2019

    – Data Science

- Credit Transfer for other online courses like udemy, coursera etc., and norms for credit transfer

- End Semester Examination - Reforms

CHAIRMAN
BOARD OF STUDIES