Minutes of the 44th Meeting of the Academic Council
of
Coimbatore Institute of Technology – Coimbatore – 641 014

DATE   :   26-03-2022
TIME   :   10.35 a.m.

MEMBERS :

1. Dr.A. Rajeswari
   Principal in - charge

   Chairman

2. Dr.R.Sriram
   Dean - Examinations

   Member Secretary

3. Dr.M. Nataraj
   Principal
   Government College of Engineering
   Thanjavur

   University Nominee

4. Dr.C. Nagamani
   Professor HAG
   Dept. of Electrical and Electronics Engineering
   National Institute of Technology
   Tiruchirappalli - 620 015

   University Nominee

5. Dr. Umesh Chandrasekhar
   Professor of Emeritus
   Dept. of Management Studies
   PSG College of Technology, Peelamedu,
   Coimbatore – 641 004

   University Nominee

6. Dr.T. Alwarsamy
   Principal
   Government College of Engg.
   Bargur

   Government Nominee

7. Mr. Madeswaran
   Managing Director
   KSNM Marketing
   SF/No. 29/1B , Onapalayam
   Vadavalli to Thondamuthur Road
   Coimbatore – 641 109

   *Governing Body Nominee
   (Industry)*

8. Mr. K. Durgasharan
   Director
   Versa Drives Private Ltd.,
   38 B, Vadukkuthottam Post
   Idigarai, Coimbatore – 641 022

   *Governing Body Nominee
   (Industry)*

9.	Dr. J.V. Ramasamy Dean – Academic P.S.G. College of Technology Coimbatore – 641 004	Governing Body Nominee (Academic)
10.	Dr. P. Thamarai Principal Government College of Technology Coimbatore – 641 013	Governing Body Nominee (Academic)
11.	Dr.S. Shanmugam Dean – Student Affairs	Member
12.	Dr.V.G. Srisanthi HOD – Civil Engineering	Member
13.	Dr.K. Marimuthu HOD - Mechanical Engineering	Member
14.	Dr. S. Vasantharathna HOD – EEE & Dean – Placement and Training	Member
15.	Dr.G.Kousalya HOD- CSE	
16.	Dr.N.K. Karthikeyan HOD – IT	Member
17.	Dr.M. Thirumarimurugan HOD - Chemical Engg. & Dean – International affairs	Member
18.	Dr.N. Muthukumarasamy HOD – Physics & Dean - R & D and Industry Collaboration	Member
19.	Dr.V. Manikandan Professor – EEE & Dean – Planning	Member
20.	Dr.N. Nagaveni HOD - Mathematics	Member
21.	Dr.E.P. Subramaniam HOD - Chemistry	Member

22.	Dr.P. Santhi HOD – Humanities	Member
23.	Dr. K. Sakthimala Dean - Computing	Member
24.	Dr.S. Suganthi HOD – Data Science	Member
25.	Dr.A. Kannammal HOD – Decision and Computing Sciences	Member
26.	Dr. R.S. Somasundaram HOD – MCA	Member
27.	Dr. J. Shana HOD – Artificial Intelligence and Machine Learning	Member
28.	Dr. John Rudolphraj HOD -Master of Business Administration	Member
28.	Dr.R. Sathyanarayan Sridhar Professor - Civil Engineering & Deputy Controller of Examinations	Member
29.	Dr. M. Mandhirasalam Librarian & Dean – Academic & Research resource assistance	Member
30.	Dr.R. Sampath Physical Director & Dean – Extra Curricular and Inter Collegiate Activities	Member
31.	Dr.T. Sridhar Professor – Mechanical Engineering	Member
32.	Dr.J. Devishree Professor- EEE	Member
33.	Dr. M. Poongothai Associate Professor - ECE	Member
34.	Dr.D.Prabakaran Professor - Chemical Engineering	Member
35.	Dr. K. Amsakala Associate Professor – CSE	Member

36.	Dr.B. Gokila Associate Professor – Mathematics	Member
37.	Dr.R. Maheswari Assistant Professor – Humanities	Member
38.	Dr.N. Yamunadevi Associate Professor – Computing	Member

The following members expressed their inability to attend the meeting due to preoccupation.

Dr.M. Nataraj Principal, Government College of Engineering Thanjavur	University Nominee
Dr.C. Nagamani Professor HAG Dept. of Electrical and Electronics Engineering National Institute of Technology Tiruchirappalli - 620 015	University Nominee
Dr. Umesh Chandrasekhar Professor of Emeritus Dept. of Management Studies PSG College of Technology, Peelamedu, Coimbatore – 641 004	University Nominee
Dr.T. Alwarsamy Principal Government College of Engg. Bargur	Government Nominee
Mr. Madeswaran Managing Director KSNM Marketing SF/No. 29/1B , Onapalayam Vadavalli to Thondamuthur Road Coimbatore – 641 109	Governing Body Nomin (Industry)
Mr. K. Durgasharan Director Versa Drives Private Ltd., 38 B, Vadukkuthottam Post Idigarai Coimbatore – 641 022	Governing Body Nomin (Industry)

Dr.S. Shanmugam Dean – Student Affairs	Member
Dr.N. Nagaveni HOD - Mathematics	Member
Dr.A. Kannammal HOD – Decision and Computing Sciences	Member
Dr.S.Vasantha Professor of Physics	Member

The following communications were received from Anna University, Chennai, Higher Education Department, Directorate of Technical Education – Chennai and University Grants Commission, New Delhi.

- a) **ANNA UNIVERSITY - CHENNAI**

  - (i) Provisional affiliation for the existing courses/new courses/variation in intake in the existing courses with sanctioned strength for U.G. / P.G. programme for the academic year 2021-2022 has been granted vide Lr.No.02/AFFLN/CA1/CBE/AU/2021-22/7176 dated 10-08-2021.

  - (ii) Anna University decided to conduct B.E./B.Tech. (FT/PT) & PG (FT/PT) programmes End Semester Examinations in offline (physical) mode for Theory including Elective courses, Laboratory Courses, Theory cum Laboratory Courses for the students of academic session September-December 2021 vide Lr.No.4506/AU/CAC/ESE/2021 dated 09-11-2021.

  - (iii) As per the direction of Higher Education Department and Government of Tamilnadu Anna University directed all Autonomous colleges affiliated to Anna University to Conduct of November/December 2021 Examinations in offline mode-Conduct the examinations in physical mode from 20th January 2022 onwards vide Letter No.26200/COE/2021 dated 20-11-2021.

  - (iv) Anna University directed all Autonomous colleges to take necessary steps to implement the instructions scrupulously to conduct the End Semester Examinations for UG/PG students studying in Autonomous Colleges from 21-01-2022 onwards vide Letter No.4765/AU/CAC/IA/2021 dated 24-11-2021.

(v)   Anna University informed that the first semester examinations of all degree programmes, under autonomous Colleges affiliated to Anna University scheduled to be held during March/ April 2022 in physical (offline) mode, vide Lr.No.1085/AU/CAC/Auto - ESE/2022 dated 03-03-2022.

(vi)   Anna University requested Principals/Deans of all affiliated colleges not to collect the Examination Fees from the students admitted through 7.5% preferential allocation seats for the students studied in the Government Schools. It is also mentioned in the G.O. that the Government itself shall meet out the Course fees, Hostel Fees and Transportation fees the students admitted under this scheme vide Letter No.2364/COE/C10/2022/5 dated 08-03-2022.

(vii)   Dr. G.Kalpana, Professor , Dept. of Physics , Anna University, Chennai is nominated as University Representative and member of the Result Passing Board of Coimbatore Institute of Technology for NOV/DEC 2021 and APR/ MAY 2022 examinations, Vide Anna University Lr.No. COE/PA/2021 dated 11-03-2022.

b)   HIGHER EDUCATION DEPARTMENT

(i)   All Semester Examinations to be conducted only through Offline mode, in the Higher Educational Institutions by strictly following COVID – 19 Safety protocols / Instructions issued by Higher Education Department vide Letter No.14595/A2/2021-1, dated 16-11-2021.

c)   UGC – NEW DELHI

(i)   Extension of Autonomous Status to Coimbatore Institute of Technology for a period of Five years from the session 2021-2022 to 2025-2026 vide Letter No.F.22-1/2017(AC) dated October 2021.

d)   Directorate of Technical Education

(i)   The Director of Technical Education, Chennai issued guidelines not to collect any fees from the students admitted through 7.5% preferential allocation seats for the students studied in the Government Schools vide Letter No.47883/J2/2021, dated 16-11-2021.

ITEM NO : 1

The Standing committee recommended and **Dr. R. Sriram** moved that the results passed and the decisions taken in the following meetings of the Result Passing Boards be approved and ratified.

MEETING NUMBER	MEETING DATE
160	20th September 2021
161	20th November 2021

Dr. R. Sathyanarayan Sridhar seconded the move.

The move was put to vote and carried.

ITEM NO : 2

The Standing Committee recommended and **Dr. V.G. Srisanthi** moved that the recommendations of Board of studies - **Civil Engineering** to discuss and finalise the inclusion of the following Professional Electives and One Credit Courses for the students of **B.E Civil Engineering** degree programme admitted during 2019-2020 and subsequently be approved.

Professional Electives:

1. **19CEE21 Green Building Concepts and Practices**
2. **19CEE32 Intelligent Transport System**

One Credit courses:

1. **19CEOC05 Python for Civil Engineers**
2. **19CEOC06 3DPrinting of Civil Engineering Structures**
3. **19CEOC09 Sustainability in construction**
4. **19CEOC10 Introduction to Image Processing and GIS**

Dr. R. Sathyanarayan Sridhar seconded the move.

The move was put to vote and carried.

ITEM NO : 3

The Standing Committee recommended and **Dr. K. Marimuthu** moved that the recommendations of Board of studies - **Mechanical Engineering** to discuss and finalise the inclusion of the following Professional Electives , NPTEL Courses as Professional Electives and One Credit Courses for the students of **B.E. Mechanical Engineering** degree programme admitted during 2019-2020 and subsequently be approved.

Professional Electives:

19MEE49 Smart Materials

NPTEL Courses as Professional Electives:

Product Design and Manufacturing
Fundamentals of Nuclear Power Generation
Applied Ergonomics

One Credit courses:

19MEOC14 Innovation and Entrepreneurship
19MEOC15 3D Scanning Technology

Dr. T.Sridhar seconded the move.

The move was put to vote and carried.

ITEM NO : 4

The Standing Committee recommended and **Dr. K. Marimuthu** moved that the following NPTEL courses be included in the list of elective courses offered to the students M.E. (Advanced Manufacturing Technology) admitted during 2019-20 and subsequently as recommended by the Chairman, Board of Studies, Mechanical Engineering Branch be approved.

NPTEL Courses

19MMAE37	Production Operation and Management
19MMAE38	Modelling and Analytics of Supply Chain Management

Dr. T. Sridhar seconded the move.

The move was put to vote and carried.

ITEM NO : 5

The Standing Committee recommended and **Dr. K. Marimuthu** moved that the recommendations of Board of studies - **Mechanical Engineering** to discuss and approve the additional courses to be studied by Balaji.V.   (17 02 062) of 2015 regulation who has been re-admitted   in the III Semester of B.E. Mechanical Engineering (2019) as   recommended by the Chairman, Board of Studies, B.E. Mechanical Engineering Branch be approved.

19ME31 Engineering Thermodynamics – Exempted Course
19ME11 Introduction to Mechanical Sciences – Additional Course to be studied.

Dr. T. Sridhar seconded the move.

The move was put to vote and carried.

ITEM NO : 6

The Standing Committee recommended and **Dr. S. Vasantharathna** moved that the recommendations of Board of studies - **Electrical and Electronics Engineering** to discuss and finalise the inclusion of the following Electives , NPTEL Courses, and One Credit Courses for the students of **B.E. Electrical and Electronics Engineering** degree programme admitted during 2019-2020 and subsequently be approved.

19EEE41 Switched Mode Power Conversion
19EEE42 Utilization of Solar Energy
19EEE43 Wearable Sensors

NPTEL Courses

Introduction to Internet of Things
Introduction to Industry 4.0 and Industrial Internet of Things
Fundamentals of Semiconductor Devices
Recent Advances in Transmission Insulators
Electric Vehicle Part I
Computer Networks and Internet Protocol
Data Science for Engineers
Programming, Data Structures and Algorithm Using Python
Strategy: An Introduction to Game Theory

One Credit Courses

19EEOC12 AWS Cloud Practitioner Essentials
19EE0C13 Introduction to IOT
19EEOC14 TCS ION Career Edge Young Professional

Dr. J. Devishree seconded the move.

The move was put to vote and carried.

ITEM NO : 7

The Standing Committee recommended and **Dr. S. Vasantharathna** moved that the recommendations of Board of studies - **Electrical and Electronics Engineering** to discuss to discuss and finalise the inclusion of the following elective courses for the students of **M.E. Applied Electronics** degree programme admitted during 2019- 2020 and subsequently be approved.

19MAOC08 Digital Twin Technology
19MAOC09 Robotics & Automation

Dr. J. Devishree seconded the move..

The move was put to vote and carried.

ITEM NO : 8

The Standing Committee recommended and **Dr. A. Rajeswari** moved that the recommendations of Board of studies - **Electronics and Communication Engineering** to discuss and finalise the inclusion of the following One Credit Courses for the students of **B.E. Electronics and Communication Engineering** degree programme admitted during 2019-2020 and subsequently be approved.

      19ECOC22 **HMS Foundation course on Mobile App Development**
      19ECOC23 **Baseband Communication – Signal Generation and Analysis**
      19ECOC24 **RF measurements**

Dr. M. Poongothai seconded the move.

The move was put to vote and carried.

ITEM NO : 9

The Standing Committee recommended and **Dr. A. Rajeswari** moved that the recommendations of Board of studies - **Electronics and Communication Engineering** to discuss and finalise the inclusion of the following elective course offered for the students of **M.E. Communication Engineering** degree programme admitted during 2019-2020 and subsequently be approved.

      15MECE52 **Deep Learning**

Dr. M. Poongothai seconded the move.

The move was put to vote and carried.

ITEM NO : 10

The Standing Committee recommended and **Dr. G.Kousalya** moved that the recommendations of Board of studies - **Computer Science and Engineering** to discuss and finalise the following NPTEL Courses for the students of **B.E. Computer Science and Engineering** degree programme admitted during 2019-2020 and subsequently be approved.

      NPTEL Courses as Professional Electives:

      Data Aalysis and Decision Making I

      Ethical Hacking

Dr. K. Amsakala seconded the move.

The move was put to vote and carried.

ITEM NO : 11

The Standing Committee recommended and **Dr.N.K. Karthikeyan** moved that the recommendations of Board of studies - **Information Technology** to discuss and finalise the inclusion of the following elective courses offered for the students of **B.Tech. Information Technology** degree programme admitted during 2019-2020 and subsequently be approved.

19ITE15 Full Stack Development
19ITE16 Virtual And Augment Reality

Dr. K. Amsakala seconded the move.

The move was put to vote and carried.

ITEM NO : 12

The Standing Committee recommended and **Dr.M. Thirumarimurugan** moved that the recommendations of Board of studies - **Chemical Engineering** to discuss and finalise the inclusion of the following elective courses offered for the students of **B.Tech. Chemical Engineering** degree programme admitted during 2019-2020 and subsequently be approved

19CHE31 Carbon Capture
19CHE32 Material Science and Technology
19CHE33 Bio-Process Technology
19CHE34 Pilot Plant Scale Up Methods

Dr. D. Prabakaran seconded the move.

The move was put to vote and carried.

ITEM NO : 13

The Standing Committee recommended and **Dr.Valliappan Raman** moved that the recommendations of Board of studies – **Computer Science and Engineering** to discuss and finalize the Curriculum and Syllabi for the students of **B.Tech. Artificial Intelligence and Data Science degree** programme admitted during 2021 – 2022 and subsequently, be approved.

Second, Third & Fourth Semester - Curriculum and Syllabi

Dr. K. Amsakala seconded the move.

The move was put to vote and carried.

ITEM NO : 14

The Standing Committee recommended and **Dr.K. Sakthimala** moved that the recommendations of Board of studies - **Computing** to discuss and finalize the Curriculum and Syllabi for the students of **M.Sc. Software Systems degree** programme admitted during 2020 – 2021 and subsequently, be approved.

Fifth to Tenth Semester - Curriculum and Syllabi

Dr. N. Yamunadevi seconded the move.

The move was put to vote and carried.

ITEM NO : 15

The Standing Committee recommended and **Dr.S. Suganthi** moved that the recommendations of Board of studies - **Computing** to discuss and finalize inclusion of the following one credit English Laboratory course in the Second Semester of **M.Sc.Data Sceince degree** programme for the students admitted during 2020 – 2021 and subsequently, be approved.

21MDS28 - Employability Skills

Dr. N. Yamunadevi seconded the move.

The move was put to vote and carried.

ITEM NO : 16

The standing committee recommended and **Dr. J. Shana** moved that the recommendations of **Board of Studies – Computing** to discuss and finalize the Curriculum and Syllabi of **M.Sc. Artificial Intelligence and Machine Learning degree** programme for the students admitted during 2019 – 2020 and subsequently, be approved.

Sixth to Tenth Semester - Curriculum and Syllabi

Dr. N. Yamunadevi seconded the move.

The move was put to vote and carried.

ITEM NO : 17

The standing committee recommended and **Dr. J. Shana** moved that the recommendations of **Board of Studies – Computing** to discuss and finalize the inclusion of the following One Credit Course offered for the students of **M.Sc. Artificial Intelligence and Machine Learning degree** programme, admitted during 2019 – 2020 and subsequently, be approved.

19MAMOC01 – ECONOMETRICS AND MACHINE LEARNING IN FINANCE

Dr. N. Yamunadevi seconded the move.

The move was put to vote and carried.

ITEM NO : 18

The Standing Committee recommended and **Dr.R.S.Somasundaram** moved that the recommendations of **Board of Studies – Computer Applications** to discuss and finalize the inclusion of the following One Credit Course offered for the students of **M.C.A. Computer Applications degree** programme admitted during 2020 – 2021 and subsequently, be approved.

20MCAOC02 Devops Essentials

Dr. N. Yamunadevi seconded the move.

The move was put to vote and carried.

ITEM NO : 19

The Standing Committee recommended and **Dr. John Rudolphraj** moved that the recommendations of **Board of Studies – Master of Business Administration** to allow the students to study one elective course offered in the third semester through NPTEL/SWAYAM platform. This is applicable for the students admitted from 2022-23 and subsequently be approved.

Dr. R.Maheswari seconded the move.

The move was put to vote and carried.

ITEM NO : 20

The Standing Committee recommended and **Dr. John Rudolphraj** moved that the recommendations of **Board of Studies – Master of Business Administration** to allow the students to study the following One credit Courses during the I & II semester of **MBA** programme for the students admitted from 2022 – 23 and subsequently be approved.

1. Python Programming
2. Negotiation Skills
3. Transactional Analysis (TA)
4. Emotional Intelligence
5. Advanced Excel Applications

Dr. R.Maheswari seconded the move.

The move was put to vote and carried.

ITEM NO : 21

The standing committee recommended and **Dr. P. Shanthi** moved that the Sixth semester students of B.E. / B.Tech. programs can opt for the following examinations

- GRE
- TOFEL
- GMAT
- IELTS

as equivalent to the one credit course, **19HOC61 Employability and Personality Development Skills** II offered under 2019 regulations.

Dr. R.Maheswari seconded the move.

The move was put to vote and carried.

PRINCIPAL
&
CHAIRMAN ACADEMIC COUNCIL

COIMBATORE INSTITUTE OF TECHNOLOGY : COIMBATORE 641 014
(Autonomous Institution)

78th Meeting of Standing Committee of the Academic Council
AGENDA

ITEM NO : 1   The following communications were received from Anna University, Chennai, Higher Education(A2) Department and UGC.

a)   **ANNA UNIVERSITY - CHENNAI**

(i)   Provisional affiliation for the existing courses/new courses/variation in intake in the existing courses with sanctioned strength for U.G. / P.G. programme for the academic year 2021-2022 has been granted vide Lr.No.02/AFFLN/CA1/CBE/AU/2021-22/7176 dated 10-08-2021.

(ii)   Anna University decided to conduct B.E./B.Tech. (FT/PT) & PG (FT/PT) programmes End Semester Examinations in offline (physical) mode for Theory including Elective courses, Laboratory Courses, Theory cum Laboratory Courses for the students of academic session September-December 2021 vide Lr.No.4506/AU/CAC/ESE/2021 dated 09-11-2021.

(iii)   As per the direction of Higher Education Department and Government of Tamilnadu Anna University directed all Autonomous colleges affiliated to Anna University to Conduct of November/December 2021 Examinations in offline mode-Conduct the examinations in physical mode from 20th January 2022 onwards vide Letter No.26200/COE/2021 dated 20-11-2021.

(iv)   Anna University directed all Autonomous colleges to take necessary steps to implement the instructions scrupulously to conduct the End Semester Examinations for UG/PG students studying in Autonomous Colleges from 21-01-2022 onwards vide Letter No.4765/AU/CAC/IA/2021 dated 24-11-2021.

b)   **HIGHER EDUCATION (A2) DEPARTMENT**

(i)   All Semester Examinations to be conducted only through Offline mode, in the Higher Educational Institutions by strictly following COVID – 19 Safety protocols / Instructions issued by Higher Education Department vide Letter No.14595/A2/2021-1, dated 16-11-2021.

c)   **UGC – NEW DELHI**

(i)   Extension of Autonomous Status to Coimbatore Institute of Technology for a period of Five years from the session 2021-2022 to 2025-2026 vide Letter No.F.22-1/2017(AC) dated October 2021.

ITEM NO : 2   To discuss and approve the additional courses to be studied by Balaji.V. (17 02 062) of 2015 regulation who has been re-admitted in the III Semester of B.E. Mechanical Engineering (2019) as recommended by the Chairman, Board of Studies, B.E. Mechanical Engineering Branch.

19ME31 Engineering Thermodynamics – Exempted Course
19ME11 Introduction to Mechanical Sciences – Additional Course to be studied.

ITEM NO : 3   To discuss and include the following courses under open book examination pattern

19EE34   Analog Electronics
19EE44   Linear Integrated Circuits
19EE51   Control Systems
19EE62   Digital Protection of Power systems

for the students of B.E. Electrical and Electronics Engineering under 2019 regulations.

ITEM NO : 4   To discuss and finalise the recommendations of HOD, **Artificial Intelligence and Machine Learning** to include the One Credit Course ,

19MAMOC01 – ELECTRONICS AND MACHINE LEARNING IN FINANCE

for the students of **M.Sc. Artificial Intelligence and Machine Learning** under 2019 regulations.

ITEM NO : 5   Any other matter :

1.   Guidelines for internship evaluation.

PRINCIPAL
&
CHAIRMAN STANDING COMMITTEE OF THE
ACADEMIC COUNCIL

COIMBATORE INSTITUTE OF TECHNOLOGY : COIMBATORE 641 014
(Autonomous Institution)

77ᵗʰ **Meeting of Standing Committee of the Academic Council**
(Conducted through online)
AGENDA

ITEM NO : 1 The following communications were received from Anna University, Chennai and DTE.

a) **ANNA UNIVERSITY - CHENNAI**

(i) Procedure suggested by Anna University for Allocation of student Register Numbers in Autonomous Colleges with college code to avoid duplication –reg, vide Lr.No. 1900/C20-C30/2021 dated 16-07-2021.

(ii) **DTE**

D.T.E. communicated the Higher Education Department Letter No .5608/A2/2021-1 dated 19-04-2021 and Tamil Nadu Government G.O. (Ms) No. 346 dated 18-04-2021 for necessary action to conduct of online classes and online exams due to COVID-19. Tamil Nadu Government extended the Lockdown-reg, vide Endorsement No. 10224/A1/2020 dated 19-04-2021.

ITEM NO : 2 To discuss and finalise the revision of the following **for B.E. Civil Engineering** degree programme

Seventh & Eighth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies – Civil Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 3 To discuss and finalise the revision of the following **for B.E. Civil Engineering (Part Time)** degree programme

Third to Seventh Semester - Curriculum and Syllabi

for the students admitted during 2020 – 2021 and subsequently, as suggested in the **Board of Studies – Civil Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 4 To discuss and finalise the revision of the following **for B.E. Mechanical Engineering** degree programme

Seventh & Eighth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies – Mechanical Engineering** meeting held recently and recommend the same to the Academic Council for approval.

1

ITEM NO : 5   To discuss and finalise the revision of the following **for B.E. Mechanical Engineering (Part Time) degree programme**

Third to Seventh Semester - Curriculum and Syllabi

for the students admitted during 2020 – 2021 and subsequently, as suggested in the **Board of Studies – Mechanical Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 6   To discuss and finalise the revision of the following **for B.E. Electrical & Electronics Engineering degree programme**

Seventh & Eighth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies – Electrical and Electronics Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 7   To discuss and finalise the revision of the following **for B.E. Electrical & Electronics Engineering (Part Time) degree programme**

Third to Seventh Semester - Curriculum and Syllabi

for the students admitted during 2020 – 2021 and subsequently, as suggested in the **Board of Studies – Electrical and Electronics Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 8   To discuss and finalise the revision of the following **for B.E. Electronics & Communication Engineering degree programme**

Seventh & Eighth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies – Electronics & Communication Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 9   To discuss and finalise the revision of the following **for B.E. Computer Science and Engineering degree programme**

Seventh & Eighth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies – Computer Science and Engineering** meeting held recently and recommend the same

to the Academic Council for approval.

ITEM NO : 10 To discuss and finalise the revision of the following **for** **B.Tech. Information Technology** degree programme

Seventh & Eighth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies – Information Technology** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 11 To discuss and finalise the revision of the following **for** **B.Tech. Chemical Engineering** degree programme

Seventh & Eighth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies - Chemical Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 12 To discuss and finalise the introduction of the following **for** **B.Tech. Artificial Intelligence and Data Science** degree programme

First & Second Semester - Curriculum and Syllabi

for the students admitted during 2020 – 2021 and subsequently, as suggested in the **Board of Studies - Computer Science and Engineering** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 13 To discuss and finalise the revision of the following **for** **M.Sc. Data Science** degree programme

First & Second Semester - Curriculum and Syllabi

for the students admitted during 2021 – 2022 and subsequently, as suggested in the **Board of Studies – Computing** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 14 To discuss and finalise the revision of the following **for** **M.Sc. Artificial Intelligence and Machine Learning** degree programme

Fifth Semester - Curriculum and Syllabi

for the students admitted during 2019 – 2020 and subsequently, as suggested in the **Board of Studies – Artificial Intelligence and Machine Learning** meeting held recently and recommend the same to the Academic Council for approval.

ITEM NO : 15   Rajkumar.V. (18 02 501) has been transferred from Thiyagaraja College of Engineering Madurai in the III Semester of B.E. Mechanical Engineering (2015 Regulations) with 2018 batch. The student has studied the following additional courses as recommended by the Chairman, Board of Studies, B.E. Mechanical Engineering Branch. The credits earned by the student may be included for CGPA calculation.

Additional Courses

        15CS01 - C Programming   : 3 Credit
        15CS02 - C Programming Laboratory   : 1 Credit
        15FY18 - English Language Laboratory : 1 Credit

ITEM NO : 16   Lateral entry students admitted during 2019 – 2020 batch may be permitted to study the following additional courses in V (s) .

1. BC41 Engineering Mathematics
2. BC42 Physical Sciences

ITEM NO : 17   The following NPTEL courses may be included in the list of elective courses offered to the students M.E. (Advanced Manufacturing Technology) admitted during 2019-20 and subsequently as recommended by the Chairman, Board of Studies, B.E. Mechanical Engineering Branch.

NPTEL Course

19MMAE31 Material Characterization
19MMAE32 Foundations of Computational Materials Modelling
19MMAE33 Qualitative Research Methods and Research Writing
19MMAE34 Fundamentals of Surface Engineering Mechanisms, Processes and Characterization
19MMAE35 Materials Testing and Characterization Techniques
19MMAE36 Non Metallic Materials

PRINCIPAL & CHAIRMAN
STANDING COMMITTEE OF THE
ACADEMIC COUNCIL

COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE
(Government Aided Autonomous Institution)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF THE MEETING

DATE: 05.07.2021

The Board of Studies (BoS) meeting of the department - **Electrical and Electronics Engineering** was held on **22.06.2021**, **Tuesday** by **03.45 P.M** through online mode in **Gmeet** (Meeting URL: https://meet.google.com/ggu-qqmn-mor) with the members nominated as follows.

NAME AND DESIGNATION OF THE MEMBERS
CHAIRPERSON-BOS
Dr.S.Vasantharathna, Professor and Head, Department of EEE, Coimbatore Institute of Technology, Coimbatore -641 014
UNIVERSITY NOMINEE
Dr.A. Arunya Revathi Professor, Department of EEE, Alagappa Chettiar college of Engineering and Technology, Karaikudi – 630 003. Tamilnadu, India Ph : +91 9443502182 E-mail: arunyarevathi_eee@yahoo.co.in
SUBJECT EXPERTS
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Dr.M.P.Selvan Associate Professor, Department of EEE National Institute of Technology, Tiruchirappalli -620015, Tamilnadu, India Ph: +91-431-250 3262 Email : selvanmp@nitt.edu

INDUSTRY EXPERTS

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Senior Scientist
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Dr.S.Kudiyarasan.,M.E.,Ph.D.,
Scientific Officer / E, Electrical Group,
Bharatiya Nabhikiya Vidyut Nigam Limited (Bhavini),
(A Government of India Enterprise),
Department Of Atomic Energy(DAE)
Kalpakkam -603102,
Tamilnadu, India
Ph: 9445022941, OFF : 044-27480956, OFF : 044-27480900-38724
Email: kudi.rasan@rediffmail.com

INTERNAL AND CO-OPTED MEMBERS

S.No	Name of the Members	S.No	Name of the Members
1	Dr.V.Manikandan	14	Mr.S.Nanda Kumar (Pre-Occupied)
2	Dr.E.Chandira Sekaran	15	Dr.R.Rajalakshmi
3	Dr.S.Suja	16	Ms.M.Mynavathi
4	Dr.J.Devi Shree	17	Dr. M. Packia Sudha
5	Dr.S.Elango	18	Ms. M. Radha
6	Dr.S.Geetha	19	Ms.S.Rathna Priya
7	Dr. G. Manavaalan	20	Dr. K. Suresh
8	Ms.D.Prema	21	Ms.M.L.Merlin sajini
9	Ms.K.Vanithamani	22	Mr.P.Vinodkumar
10	Ms.P.Devaki	23	Mr.B.Vasanthan
11	Dr.A.Kavithamani	24	Ms. K. Arthi
12	Ms. A. Priyadharshini	25	Ms.E.Suganya
13	Dr.S.Gunasekaran		
CO-OPTED MEMBERS			
26	Ms.C.Christina (on Maternity Leave)	27	Mr.R.Chandrasekar

- The Chairperson Dr. S. Vasantharathna welcomed the members of the Board of Studies for finalizing the following agendas:

  ➢ UG (Electrical and Electronics Engineering) curriculum and syllabi contents for 7th and 8th semester subjects of study.

  ➢ Syllabi contents for elective subjects and new elective courses.

- ➤ Syllabi for newly included One Credit Courses - 19EEOC08- Machine Vision, 19EEOC09-Cyber Security in Manufacturing and Smart Grid, 19EEOC10 - Robotics and automation and 19EEOC11- Abnormal psychology.
- ➤ Curriculum structure for B.E. Part Time Course for 3rd and 4th Semester subjects of study.
- • Dr.V Manikandan briefed on the curriculum and syllabi of 7th and 8th semester in UG full time R 2019 regulation and Syllabi contents for elective subjects and new elective courses.
- • Dr.R.Rajalakshmi presented the curriculum for the 7th and 8th semester in UG full time R 2019 regulation.
- • Dr.A. Arunya Revathi and other Board members expressed their views on **Professional Competency** course (GATE syllabus Test series / Industrial Training) offered in 7th semester and suggested to conduct regular periodic evaluation.
- • Dr.S Kudiyarasan clarified about the assessment of industrial training by the students.
- • The Chairperson, Dr. S. Vasantharathna explained about the proposing methods of **Professional Competency** course as Test series of GATE Exam syllabus for PG aspirants or as Industrial Training for aspirants of career in non-engineering fields like management etc., and for slow learners.
- • Selection of the option between test series of GATE Exam syllabus and Industrial Training will be done through Google forms distributed to the students.
- • Dr.V Manikandan discussed the Industrial Training acquisition and evaluation procedures by assigning individual mentor to each student to facilitate industry selection and further progression.
- • Dr.S Kudiyarasan appreciated about the allocation of mentor for each student for Industrial Training Professional Competency course.
- • Dr.M P.Selvan suggested to form a three member committee for assessing the Industrial Training.
- • Dr.R Rajalakshmi presented the syllabi for the 7th and 8th semester and elective courses in UG full time R 2019 regulation.
- • Dr.S Kudiyarasan suggested to include fuzzy based controllers as syllabus contents in the course 19EE71-**Solid State Drives and Control** and charging station contents in the course 19EE73-**Smart Grid**.
- • Dr.S.Elango explained about the new experiments included in **Automation, Renewable Energy and FPGA Laboratory** under the topic Renewable Energy, Dr.S.Geetha explained about FPGA

Programming experiments and Dr.G.Manavalan explained about the experiments under Automation lab.

- Dr.A. Arunya Revathi and other board members expressed their views on elective lab-**Automation, Renewable Energy and FPGA Laboratory** that it can be divided into two separate lab courses as 1. Automation lab and 2. Renewable energy and FPGA Programming lab in order to reduce the overloading of experiments as single lab course.

- Dr.A. Arunya Revathi suggested to include related topics of lab experiments listed in **Automation, Renewable Energy and FPGA Laboratory** like "python programming" may be in the theory contents or may be offered as one credit courses.

- Dr. S. Vasantharathna and Mrs. M. Radha explained that python programming concepts were already included in the one-credit course 19EEOC08-Machine Vision, which was taught by Tata Consulting Services Pvt Ltd for 2019-2023 batch students. Therefore it may be exempted for 2019-2023 batch students.

- Dr.A. Arunya Revathi suggested to streamline the students for the selection of elective streams and to add more elective courses in Electrical Machines and Control (EMC) professional elective stream.

- All the board members approved the syllabus contents for revised elective courses from R2015 regulation and new electives which are listed below in R2019.

S.No	New Elective Course Title	Stream code
1.	Energy Efficiency in Thermal and Electrical Utilities	P & E – Power and Energy
2	Deep Learning	CC – Computer Communication
3	Automation, Renewable Energy and FPGA Laboratory	Elective Lab

- Dr. M Sathish suggested that futuristic elective courses be included to address future industry needs.
- Dr. S. Vasantharathna discussed about the institution autonomy rights, which include the ability to add new electives and change the syllabus content of electives as needed throughout the academic year.

- All the board members acknowledged to retain the syllabus contents of certain electives from R2015 without any modification as it were preapproved in R2015 BoS meetings.

- Dr.V.Manikandan briefed on the curriculum structure for B.E. Part Time Course for 3rd and 4th Semester subjects of study.

- Dr.M.P.Selvan suggested that the courses Transmission and Distribution and Power System Analysis should not be taught in the same semester, so he proposed moving 19EE45- Transmission and

Distribution to the third semester and **19EE43-Measurements and Instrumentation** to the fourth semester in the B.E. Part Time curriculum structure.

- All the board members suggested to use the PO's, PEO's and CO's framing keywords as per Bloom's Taxonomy metrics.
- Dr. S Vasantharathna recommended that, based on expert members' suggestions, the updated CO and its mapping with PO, PSO, and PEO is presented at the next BoS meeting.

At last, Chairperson concluded the meeting with the main points discussed in the forum which is used to enhance the knowledge and skill of the students as per the current industry scenario. Finally she thanked all the members and welcomed further suggestions from all the members through email.
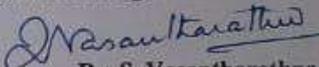
Dr. S. Vasantharathna

Chairperson - BoS

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Controller of Examinations External members
Internal members (By circulation)
Department file

COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE - 14

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ENGINEERING.

Minutes of BoS meeting held on 26.02.2022 at 10 am in M 103

BoS meeting conducted on 26.02.2022 at 10 am in the department of Electronics and communication engineering at M103 in offline mode. to discuss about the new one credit courses and PG elective courses. One credit courses are HMS foundation course on mobile app development, Baseband communication - signal generation and analysis and RF Measurement laboratory course, PG Elective course for M.E communication engineering Deep learning as an elective course.

The following members are present for the meeting

1. Dr. A. Rajeswari
2. Dr. M. Shanthi   26/02/22
3. Dr. V. Krishnaveni   26/2/22.
4. Mr. Y. V. Pathy
5. Dr. S. Umamaheswari
6. Prof. P. Chitra
7. Dr. M. Poongothai
8. Dr. G. Puvanesuari
9. Dr. T. Balakumaran
10. Ms. M. Ramya
11. Ms. R. Kalaivani
12. Dr. B. Bhuvaneshwari
13. Ms. C. Subha Priyadharshini
14. Dr. G. Charitha
15. Dr. P. Muthu Subramanian
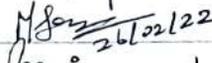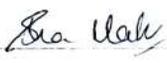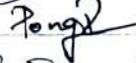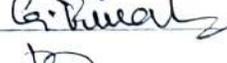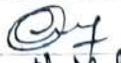
16. Dr. B. Premalatha
17. Ms. K.M. Priya
18. Ms. T. Yathavi
19. Ms. K. Harini
20. Ms. D. Diana Josophine
21. Ms. V. Sowmya
22. Ms. S. Dhanalakshmi
23. Ms. S. Baladhanalakshmi
24. Mr. C. Vinoth Kumar
25. Mr. P. Satheesh Kumar
26. Ms. N. Deepa
27. Ms. R. Soundharya Rani
28. Ms. R. Nithyalakshmi
29. Ms. S. Yazhini
30. Mr. K. Muralidharan

The following members of BoS expressed their inconvenience to attend the meeting due to prior commitment.

1. Dr. G. Nagarajan
2. Ms. Arthi Subramanian
3. Dr. S. Uma
4. Dr. I.S. Akila
5. Mrs. T. Shunbaga Pradeepa
6. Mrs. T. Loganayaki
7. Mrs. Cynthia Joseph
8. Mrs. M Abitha Thangam
9. Mrs. V. Gowri Priyaa

Minutes of the BoS meeting held on 26.02.2022 at 10.00 AM at M103 in offline mode for B.E. Electronics and communication Engineering and ME communication Engineering branches. The Curriculum and syllabi of new one credit employability

Enhancement courses for B.E ECE students and an elective course for M.E communication Engineering students admitted during 2019-2021 and onwards were discussed and the following are the recommendations.

1. It is recommended to include an one credit course on HMS foundation course on Mobile App Development by Huawei Mobile services for the B.E ECE students

2. It is recommended to include an one credit course on Baseband communication - Signal generation and analysis by keysight Technologies India Private limited, Bangalore for the B.E ECE students

3. It is recommended to include an one credit course on RF measurements laboratory by keysight Technologies India Private Limited, Bangalore for the B.E ECE student

4. It is recommended to include an elective course on Deep Learning for M.E Communication Engineering students

5. It is recommended to include industry collaborated courses to train the faculty as well as students.

6. It is recommended to include an one credit course on Electric vehicles by keysight Technologies India Private Limited, Bangalore for M.E communication Engineering students.

7. It is recommended to remove professions in 19ECOC16 communication Skills for Engineering Professionals and rename it as communication Skills for Engineers.

8. It is recommended to remove Function in 19ECOC17 Entrepreneurship and management Functions and rename it as Entrepreneurship and management.

9. It is recommended to rename 19ECOC18 Professional Skills for engineering professionals as professional skills for Engineers.

10. It is recommended to rename 19ECOC19 Leadership

and management skills for engineering professionals
as Leadership and management skills for engineers.

Rajes

COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE
(Government Aided Autonomous Institution)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MINUTES OF THE MEETING

DATE: 15.03.2022

The Board of Studies (BoS) meeting of the department - **Electrical and Electronics Engineering** was held on **15.03.2022, Tuesday by 03.30 P.M** via hybrid mode (External members (Online) in **Gmeet** (Meeting URL : https://meet.google.com/upf-qdqz-xcq and Internal members (Offline) in Room No. IT212) with the members nominated as follows:

NAME AND DESIGNATION OF THE MEMBERS
CHAIRPERSON-BOS
Dr.S.Vasantharathna, Professor and Head, Department of EEE, Coimbatore Institute of Technology, Coimbatore -641 014
UNIVERSITY NOMINEE
Dr.A. Arunya Revathi Professor, Department of EEE, Alagappa Chettiar college of Engineering and Technology, Karaikudi – 630 003. Tamilnadu, India Ph : +91 9443502182 E-mail: arunyarevathi_eee@yahoo.co.in
SUBJECT EXPERTS
Dr.K.Selvi, (Pre-Occupied) Professor, Electrical and Electronics Engineering Dept, Thiagarajar college of Engineering, Madurai-625 015, off-04522482240 Ph: 9443804920 Email : kseee@tce.edu
Dr.M.P.Selvan Associate Professor, Department of EEE National Institute of Technology, Tiruchirappalli -620015, Tamilnadu, India Ph: + 91-431-250 3262 Email : selvanmp@nitt.edu

INDUSTRY EXPERTS

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Senior Scientist
Electrochemical Power Sources Division
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Tamilnadu, India
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Email : msathish@cecri.res.in

Dr.S.Kudiyarasan.,M.E.,Ph.D.,
Scientific Officer / E, Electrical Group,
Bharatiya Nabhikiya Vidyut Nigam Limited (Bhavini),
(A Government of India Enterprise),
Department Of Atomic Energy(DAE)
Kalpakkam -603102,
Tamilnadu, India
Ph: 9445022941, OFF : 044-27480956, OFF : 044-27480900-38724
Email: kudiyarasan@rediffmail.com

INTERNAL AND CO-OPTED MEMBERS

S.No	Name of the Members	S.No	Name of the Members
1	Dr.V.Manikandan	14	Mr.S.Nanda Kumar
2	Dr.E.Chandira Sekaran	15	Dr.R.Rajalakshmi
3	Dr.S.Suja	16	Ms.M.Mynavathi
4	Dr.J.Devi Shree	17	Dr. M. Packia Sudha
5	Dr.S.Elango	18	Ms. M. Radha
6	Dr.S.Geetha	19	Ms.S.Rathna Priya
7	Dr. G. Manavaalan	20	Dr. K. Suresh
8	Ms.D.Prema	21	Ms.M.L.Merlin sajini
9	Ms.K.Vanithamani	22	Mr.P.Vinodkumar
10	Ms.P.Devaki	23	Mr.B.Vasanthan
11	Dr.A.Kavithamani	24	Ms. K. Arthi
12	Ms. A. Priyadharshini	25	Ms.E.Suganya
13	Dr.S.Gunasekaran		

CO-OPTED MEMBERS

26	Ms.C.Christina **(on Maternity Leave)**	27	Mr.R.Chandrasekar

- The Chairperson Dr. S. Vasantharathna welcomed the members of the Board of Studies for finalizing the following agendas:

  ➢ UG (Electrical and Electronics Engineering) syllabi contents for proposed electives.

  ➢ Ratification of One Credit Courses - 19EEOC12-AWS Cloud Practitioner Essentials, 19EEOC13-Introduction to IoT and 19EEOC14-TCS ION Career Edge – Young Professional.

- ➤ Curriculum structure and syllabi contents of 5th, 6th and 7th semesters of B.E. Part Time Course.
- ➤ Review of R2019 PO's and PEO's
- ➤ NPTEL courses as Ph.D Course Work
- ➤ Approval of R2015 Assessment Methods for PO's and PEO's attainment in NBA SAR assessment.

- The Chairperson, Dr. S. Vasantharathna introduced the faculty who proposed the syllabi contents for new elective courses as follows:

Wearable Sensors	Ms.A.Priyadharshini, Ms.K.Arthi
Switched Mode Power Conversion	Dr.M.Radha
Utilization of Solar and Wind Energy	Dr.R.Rajalakshmi, Dr.M.Mynavathi

- Ms.K.Arthi first introduced the contents of the new elective on title Wearable Sensors for R 2019 regulation. Dr.A. Arunya Revathi addressed the repetition of content in previous semester courses and instructed to retain 5 CO's and adhere to all Bloom's taxonomy levels. Dr.M.P.Selvan and Dr.M. Sathish acknowledged the syllabus contents, and Dr.S.Kudiyarasan suggested that a radiation sensor be included in this course.

- Dr. M. Radha presented the syllabi content of the new elective Switched Mode Power Conversion for R 2019 regulation.

- Dr.M.P.Selvan suggested that the fifth unit's contents be reduced in new elective course Switched Mode Power Conversion and the EMI content be offered as a separate elective course. Dr.A. Arunya Revathi insisted on offering this course to students after they had completed the power electronics course. Internal Members agreed to offer the course during the seventh and eighth semesters. Dr. M. Sathish recommended EMC-related topics inclusion in the new EMI elective course.

- Dr.R.Rajalakshmi presented the syllabi content of the new elective Utilization of Solar and Wind Energy for R 2019 regulation. Dr. S. Vasantharathna discussed the importance of the course inclusion, stating that it has been requested by industry experts from L&T and TCS to include the e-waste management, which is one of the most demanded topics in industries and is being seen as an important factor for student's placement.

- Dr.A. Arunya Revathi acknowledged the syllabus contents, Dr.M.P.Selvan, Dr.M. Sathish, and Dr.S.Kudiyarasan suggested to remove the wind generation contents from this course and to offer this course exclusively for solar generations by including solar for space applications, e waste management only for solar related components in fifth unit. Dr.Rajalakshmi accepted the expert members' suggestions and decided to modify the course title to Utilization of Solar Energy and to focus solely on solar generation.

- Dr. S. Vasantharathna briefed on the curriculum structure for B.E. Part Time Course from 5th Semester to 7th semester subjects of study. And also discussed about the offering of Data structures and Systems as core course instead of C++ and Oops and Digital signal processing courses.

- All board members approved the curriculum structure and syllabus contents for the B.E. Part Time Course, as well as the inclusion of Data structures and Systems as a core course and C++ and Oops and Digital signal Processing are to be offered as elective courses. Dr. Arunya Revathi suggested that another lab be added to the B.E. Part Time course. Internal members acknowledged and informed that it will be taken to the notice of Standing committee and Academic council members.

- Ms.A.Priyadhashini described the R2015 Assessment Methods for PO and PEO attainment of NBA SAR. She started by introducing the methods for determining the CO's target matrix for PO attainment. She then explained the direct and indirect assessment methodologies for calculating PO attainment.

- Dr.Arunya Revathi requested that the flow diagram for the R2015 Assessment Methods for PO and PEO Attainment in the NBA SAR Assessment Process be shared. All the clarifications of external members were justified by the internal members.

- All the board members agreed to offer NPTEL courses identified by the DC member panel with approval from research board and may be considered as course work subject for Ph.D scholars.

- All the board members approved the PO's, PEO's, PSO's and CO's as per Bloom's Taxonomy metrics.

At last, Chairperson concluded the meeting with the main points discussed in the forum which is used to enhance the knowledge and skill of the students as per the current industry scenario. Finally she thanked all the members and welcomed further suggestions from all the members through email. All the corrections are incorporated and revised syllabus copy has been submitted.
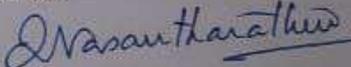
Dr. S. Vasantharathna
Chairperson - BoS

Copy to:
Controller of Examinations External members
Internal members (By circulation)
Department file

The Board of Studies meeting for B.Tech (IT) was held on 12-Mar-2022 at IT215 cum online mode meet.

MEMBERS PRESENT

1.	Dr. N. K. KARTHIKEYAN	CHAIRMAN	
2.	Dr. M. RAJALAKSHMI	MEMBER	12/3/2022
3.	Dr. M. SANGEETHA	MEMBER	
4.	Dr. N. ANITHADEVI	MEMBER	
5.	Dr. K. MALARVIZHI	MEMBER	
6.	Dr. N. GEETHA	MEMBER	
7.	Dr. E. ARUL	MEMBER	
8.	Mrs. S. POORNIMA	MEMBER	
9.	Mr. C. MURALE	MEMBER	
10	Mr. N. SELVAMUTHUKUMARAN	MEMBER	
11.	Mrs. S. RAJASREE	MEMBER	
12.	Mrs. G. THILAGAVATHI	MEMBER	

| 13. | Mrs. S. DEVI | MEMBER | S. Da |

EXTERNAL MEMBERS

1.	Dr. G. AGHILA	UNIVERSITY NOMINEE	[PRESENT ONLINE
2.	Dr. G. R. KARPAGAM	MEMBER	G. R. Kar 12/3
3.	Dr. RANGARAJAGOPAL	MEMBER	
4.	Mr. N. SELVA KUMAR	MEMBER	
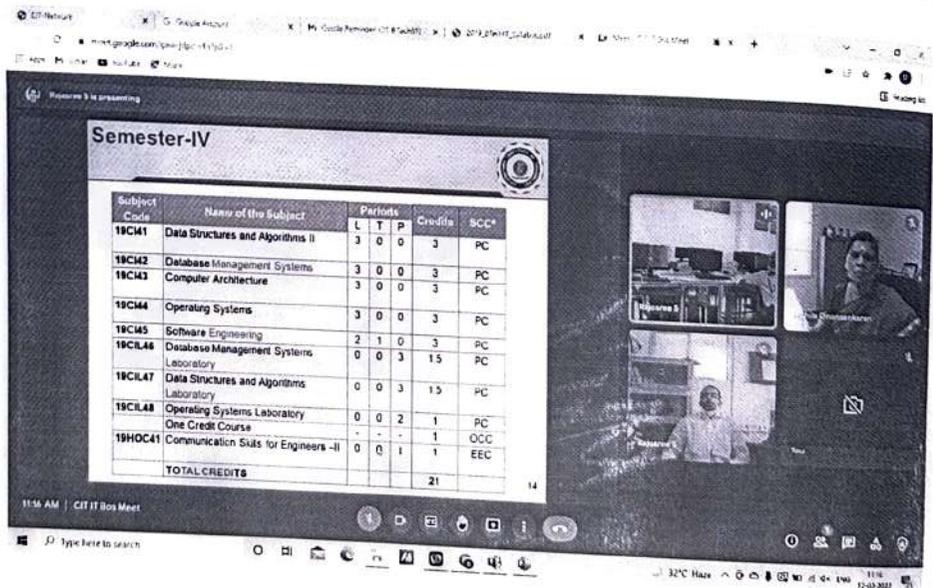
ONLINE SCREENSHOT ATTENDANCE OF
Dr. AGHILA MAM

The following Suggestions were made by Board of Studies members :

Dr. N. K. Karthikeyan, Head of the Department of Information Technology, Chairman Bos (Board of Studies) welcomed the Anna University nominee, experts from Industry & Academia and introduced the internal Bos members of the meeting.

Dr. G. Aghila from NIT Truchy Suggested to Consider the Courses which Covers areas like innovative thinking and Start-ups.

Also she has Suggested that one Credit Courses can be handled by Industry persons.

Dr. Rangaraja Gopal from Acenet Technologies India Pvt Ltd Suggested to make MoU's with industry to enhance the placement.

Dr. G. R. Karpagam from PSG College of Technology has suggested to introduce "Full Stack Development" as an elective.

Mr. Selvakumar from Thoughtworks Suggested an elective "Virtual Reality and Augmented Reality" since it is one of the emerging trends in Industry.

Mr. Selvakumar has suggested to make "UNIX Internals" as Core Course instead of Keeping in electives.

Dr. Aghila has suggested to standardize all the credits of practical courses to carry common credits.

Committee members approved the Course outcomes, Program outcomes and Co po mapping of all Courses.

HEAD OF THE DEPARTMENT
[Dr. N.K. KARTHIKEYAN]

COIMBATORE INSTTUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
BOARD OF STUDIES
Minutes of the Meeting

Date :05-03-2022

Time : 10:00 am to 10:30 am

The Board of Studies Meeting of our MCA Department conducted through hybrid modeon 05-03-2022 at 10:00 AM.At the onset Chairman, Dr. R. S. Somasunadaram, Professor & Head, Department of Computer Applications welcomed the BOS members andplaced the agenda for the deliberation of the members. BoS in charge Dr. J. B.Jona presented the One Credit course syllabus of the twoyear MCA course admitted from 2020 onwards. All the members approved and appreciated the content of the course.

The following external members were present in the Board of Studies Meeting conducted **online modeon 05-03-2022 at 10:00 am.**

External Members

Dr. Aghila Gnanasekaran

Dr. S. Nickolas

Dr. R. Manavalan

Mr.Vivek Viswanathan

University Nominee

Academic Subject Expert

Academic Subject Expert

Industry Expert

The following internal members were present in person for the Board of Studies Meetingof the Department of Computer Applications, Coimbatore Institute of Technology.

Internal Members (Department of Computer Applications, CIT)

Dr. R. S. Somasundaram

Dr. J. B. Jona

Dr. S. Sikappi

Dr.L. Yamunadevi

Dr. V. Savithri

Mr. S. A. Gunasekaran

Ms. A. G. Aruna

Dr. R. AshokKumar

Dr. Vishu V

Chairman –BoS, Professor & Head

BoS in charge, Associate Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Chairman 05/03 2022

Dr. R. S. Somasundaram,Professor & Head
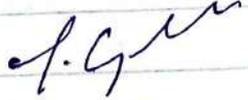
Department of Computer Applications, CIT

The Board of studies Meeting for BE; CSE and B.Tech AI & DS was held on 11-03-2022 at 2:30 PM and it was resolved to approve the curriculum and syllabi of BTech AI & DS and the NPTEL Course Approval for B.E; CSE from 2021-2022.
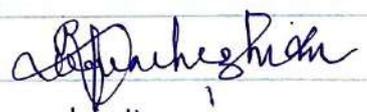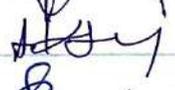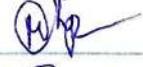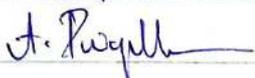
MEMBERS PRESENT

BOS ChairMan
1. Dr. G. Kousalya
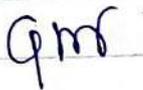
BOS External Members
1. Dr. J. Cynthia – Anna University Nominee
2. Dr. T. Purushothaman – Academic Expert — Present
3. Dr. S. Venkatesan – Academic Expert — Present
4. Dr. L. Ramesh Nardu – Industry Expert — Present
5. Mr. V. Anilkumar – Industry Expert — Present
6. Mr. Srinivasan Padmanabhan – Industry Expert — Pre-Occupied

BOS Internal Members.
1. Dr. R. Prabhakar — subject Expert
2. Dr. R. Nedunchezhian — Member
3. Dr. A. Kunthavai — Mumber
4. Dr. A. N. senthilvel — Member
5. Prof. D. Mohana — Member
6. Dr. K. Amstakala — Member
7. Dr. M. Mohana Priya — Member
8. Dr. A. Priyadharshini — Member
9. Ms. S. Sangeetha Mariammal — Member
10. Mr. S. Ravisankar — Member
11. Mrs. S. Saranya-Rubini — Member

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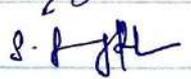
12.	Mrs. R. Pavithra	Member	
13.	Mr. M. Maranco	Member	
14.	Ms. A. Punidha	Member	
15.	Dr. S. P. Abirami	Member	
16.	Dr. S. Priya	Member	
17.	Mr. B. Arunkumar	Member	
18.	Mrs. K. Sathya	Member	
19.	Ms. R. Saveeth	Member	
20.	Ms. G. Priyadharshini	Co-opted Member	
21.	Ms. M. Prabhavathy	Co-opted Member	
22.	Ms. K. N. Apinaya Prethi	Co-opted Member	
23.	Mr. S. Hariharan	Co-opted Member	
24.	Ms. S. Nithya	Co-opted Member	
25.	Mr. G. Karthi Keyan	Co-opted Member	
26.	Ms. S. Saranya	Co-opted Member	

B.Tech AI & DS

1.	Dr. Valliappan Raman	Member	
2.	Dr. T. Ramraj	Member	

Dr. G. Kousalya, Chairman BoS welcomed the BoS members. The following suggestions were made by Board of Studies members.

BoS meeting is conducted to seek board approval for revised subjects of study (Semester II - Semester VIII) and syllabus for new subjects in Semester II - Semester IV for AI and DS

The following suggestions were made in the meeting

1. In Semester II, Panel members suggested to rename the subject title "Artificial Intelligence" into "Principles of Artificial Intelligence"

2. In Semester VII, Anna University nominee, Dr. Cynthia suggested changing the subject title "Fundamentals of IoT", not to name it as fundamental due to the subject offered in final year.

3. In Semester II, subject "Fundamentals of IR4.0", Panel members suggested maintaining the introductory concepts of emerging technologies

4. In Semester II, subject "Probability and Statistics", the committee recommended to include basics of R programming, where as students can implement the statistical modelling concepts.

5. In Semester II, subject "Introduction to

"Artificial Intelligence", panel members suggested adding a module on "Explainable AI" which is gaining more awareness in industry sectors due to raising of legal, ethical and social issues in AI applications.

6. In Semester III, for the subject "Software Engineering Principles and Practices", Industry experts recommended to include a module on software lifecycle model for AI projects i.e. AI software development life cycle. Anna University nominee suggested a module on agile practices.

7. In Semester III, for the subject "Web Development Technologies", the panel suggested a module on Bootstrap, UI framework for building websites.

8. In Semester IV, in the subject "Machine Learning Techniques", the committee members suggested a module on ensemble methods, which is widely used in industry for improving the predictive performance results.

9. In Semester IV, "Data Communication and Networking", Dr. Cynthia recommended to include a module on 5G, 4G & 3G standards.

10. In Semester IV, for the subject "Principle of Computer Systems", Panel members suggested to include ARM architecture.

11. In Semester IV, for Database Management System Laboratory, Panel suggested to include NOSQL database, which is widely used in industry for providing high level of scalability.

12 For BE Computer Science and Engineering the committee approved TWO NPTEL Courses.
Ethical Hacking
Data Analysis and Decision Making - I

(Dr. G. kousalya)
Chairman - BoS

Minutes of the of Studies 35th Board Meeting in the Department of Civil Engineering

- Minutes of the meeting of the Board of Studies in Civil Engineering held on Thursday, the 3rd March, 2022 at 3.00 P.M at Coimbatore Institute of Technology, Coimbatore - 641014 to review the syllabus of B.E Civil Engineering, B.E Part time-Civil Engineering and PG Civil Engineering Programme.

- Dr.V.G.Srisanthi, Chairperson, Board of Studies, Civil Engineering and HOD, Civil Engineering Department welcomed the members and initiated the discussions by requesting the external members Dr.R.Thenmozhi, Dr.S.T.Ramesh, Dr.S.Thirugnanasambandam, Er.S. Sivalingam and Er.P.ArunPrasath to review the syllabus for both UG and PG courses as per agenda and to suggest changes/modifications if any.

- Dr.V.G.Srisanthi first presented the agenda of the meeting to review the course contents of newly added professional electives and one credit courses and syallbi of Part time B.E Civil Engineering from fifth semester to seventh semester. The following professional electives and one credit courses were discussed in the meeting to include in the curriculum.

Professional Electives

- Intelligent Transport System.
- Green Building Concepts and Practices

One credit courses

- Python for Civil Engineers
- 3D Printing of Civil Engineering Structures
- Sustainability in Construction

- Introduction to Remote Sensing and GIS

The board discussed in length the professional electives and one credit courses with their syllabus and suggested various additions and alterations in the proposed syllabus. The following suggestions were made by external members in the meeting.

(E.JAYANTHIMANI)

- The external member Dr.R.Thenmozhi suggested to reduce the contents of syllabus prescribed in the professional elective course 'Green Building Concepts and practices' in whole and adopt a sequential approach of the units. She highlighted to include green technologies and Green Building rating system in the syllabus and remove the topics such as waste water treatment, water conservation system and green movements. She also suggested to change the title of one credit course 'Geoinformatics Laboratory' as 'Introduction and Practical application of GIS'.

- The external member Dr.S.T.Ramesh suggested inclusion of contents such as Telecommunications and its importance in the transport systems, IBS, Information Management, Vehicle positioning system, Artificial Intelligence in the professional elective course ' Intelligent Transport System'. He also offered suggestions to add latest text books and mention online resources like NPTEL, Coursera. He also suggested to include applications in one credit course 'Python for Civil Engineers'.

- Dr.S.Thirugnanasambandam suggested inclusion of geo polymer concrete in one credit course '3D Printing of Building' under mix design portion.

- The external member Er.S.Sivalingam, Renowned CIT Alumni, shared his observations on the syllabus of professional electives and one credit courses. He suggested inclusion of green auditing with focus on water foot print auditing.

- Er. ArunPrasath appreciated the inclusion of some alternate construction materials in one credit course 'Sustainability in Building Construction' as construction industry presently faces the availability of getting sufficient conventional construction materials in the market.

- All these suggestions were discussed in the meeting and it was decided that efforts would be made by the chairperson Dr.V.G.Srisanthi to incorporate the suggestions to the possible extent.

- The meeting concluded with vote of thanks proposed by Dr.V.G.Srisanthi, Head of Department, Civil Engineering.

(E.JAYANTHIMANI)

V. G. U
H.O.D., (CIVIL)
C.I.T., Coimbatore-14.

(Dr.S.Shanmugapoys)