



KUMARAGURU
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BOARD OF STUDIES MEETING MINUTES

ACADEMIC YEAR: 2020-21 (EVEN SEM)

S.No	Department	Date of BOS meeting	BOS number
1	Aeronautical Engineering	19.06.2021	17
		12.07.2021	18
2	Automobile Engineering	12.06.2021	10
3	Biotechnology (UG and PG)	10.06.2021	16
4	Civil Engineering (UG and PG)	05.06.2021	19
5	Computer Science Engineering (UG - CSE, AI & DS) (PG: CSE)	12.06.2021	18
6	Electronics and Communication Engineering(UG &PG)	05.06.2021	18
7	Electrical and Electronics Engineering(UG &PG)	12.06.2021	16
8	Electronics and Instrumentation Engineering	10.06.2021	15
9	Fashion Technology(UG & PG)	12.06.2021	18
	Information Technology UG B.Tech. IT, B.Tech.ISE PG M.Tech. DS	05.06.2021	18
10	Mechanical Engineering(New Course)	07.05.2021	17
	Mechanical Engineering(UG & PG)	05.06.2021	18
11	Mechatronics Engineering	12.06.2021	17
12	Textile Technology(UG, PG- MTM)	05.06.2021	18
13	Computer Applications(PG-MCA)	05.06.2021	14
14	Business Administration(MBA, MBA-IEV)	19.06.2021	20
15	School of Foundational Sciences		
	Chemistry	21.06.2021	11
	Physics	23.06.2021	13
	Mathematics	22.06.2021	9
	English	21.06.2021	11



DEPARTMENT OF AERONAUTICAL ENGINEERING

18th Board of Studies (BOS) Meeting

MINUTES OF BOARD OF STUDIES MEETING

Program: M.Tech in Defence Technology

Venue: MS Teams Online Meeting

Date: 12.07.2021

Time: 06.30 PM

Agenda

- Presentation of HoD
 - Welcome Address
 - Profile and Progress of the Department
 - Brief Introduction of the Proposed PG Programme
- Presentation of BoS Convener
 - Curriculum and Syllabus for M.Tech in Defence Technology
- Address by External Experts focusing of the following aspects
 - Introduction of the New PG Programme on M.Tech in Defence Technology under Regulations 2018
 - Possible opportunities for students/Suggestions for effective implementations of the program
 - Any other matters (with the permission of Chairman, BoS)
- Concluding Remarks and Vote of Thanks

BoS Panel of Members		
Sl. No	Name	Role
1.	Dr K Sundararaj , Professor and Head, Department of Aeronautical Engineering, KCT	BOS Chairman
2.	Dr Kalil Rahiman M , Associate Professor and HOD, Aeronautical Engineering, Bannari Amman Institute of Technology, Sathyamangalam	Anna University Nominee
3.	Dr. S. Rajagopal , Project Director for Rustom 1 & Joint Project Director for TAPAS Programme, Aeronautical Development Establishment (ADE), Defence Research and Development Organisation, Bengaluru.	Subject Expert
4.	Dr. M. Backialakshmi , Scientist G, Group Director, Centre for Airborne Systems, Ministry of Defence (R&D), DRDO, Belur, Bengaluru.	Subject Expert
5.	P.Mueen Ahamadulla Khan , Vice Chairman, AeSI, Bengaluru	Expert from Corporate related to Placement

6.	Mr. Vishal S Shirbhate , Principal Scientist, Computational and Theoretical Fluid Dynamics division, National Aerospace Laboratories (NAL), Bangalore	Industry Representative
7.	Mr. Sandeep Tom , Quality Engineer, Curtiss-Wright Corporation, Hatfield, Pennsylvania, USA	Alumni Member
8.	Dr D Saravanan , Principal, KCT	Principal
9.	Prof C. Vasantharaj , Director, KC.IRI & Professor, Department of Automobile Engineering, KCT	Special Invitee
10.	Dr. Sundaresan S , Associate Professor, Department of Textile Technology, KCT	Autonomous Coordinator
11.	Dr.Vinohar Stephen Rapheal , Associate Professor, Department of Bio Technology, KCT	Department of Academics
12.	Dr. J. Vijayaprakash . Associate Professor, MCA, KCT	Dy Controller of Examinations
13.	Dr Selvanayaki S , Asst Professor (SrG), Science & Humanities, KCT	Special Invitee
14.	Mr M Senthilkumar , Asst. Professor (SrG) , Department of Aeronautical Engineering, KCT	BOS Convener
15.	Dr.Premkumar PS , Associate Professor, Department of Aeronautical Engineering, KCT	Department DAB & Budget Coordinator
16.	Mr S Senthilkumar , Asst. Professor –I , Department of Aeronautical Engineering, KCT	NBA Coordinator & Module Coordinator – Avionics/Systems
17.	Mr Naveenkumar K , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator – Aircraft Structures
18.	Mr R Arul Prakash , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Timetable coordinator, Module Coordinator – Aircraft Propulsion
19.	Mr R Arunkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Exam Coordinator
20.	Mr J Darshankumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Aero Modelling/ Placement Coordinator
21.	Mr G Rajkumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	NBA Co Coordinator
22.	Mr R Vijayanandh , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Committee - Avionics
23.	Mr S Muthukumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator - Aerodynamics
24.	Mr Bennyrajan N , Department of Aeronautical Engineering, KCT	Instructor
25.	Mr Arokiaraj B , Department of Aeronautical Engineering, KCT	Instructor
26.	Venkat Prasad S , Final Year Student LC, Aero, KCT	Student Member
27.	Rajamanickam M , Final Year Student, Aero, KCT	Student Member

28.	Kesavan K , Third Year Student, Aero, KCT	Student Member
29.	Saravana Mohan K , Senior Technician, Sai Regency Power Corporation Pvt Ltd, Coimbatore	Parent Member
30.	Gnana Selvam , Manager, Ramesh Pumps, Coimbatore	Parent Member

- Welcome note, introduction of members and brief introduction of the proposed PG Programme given by Dr K Sundararaj, BoS Chairman, Professor & Head, Department of Aeronautical Engineering, KCT.
- Mr M Senthil Kumar, BoS Convener presented Curriculum and Syllabus for M.Tech in Defence Technology

Introduction

- DRDO has collaborated with AICTE for conducting the Regular M.Tech Course in Defence Technologies having 6 specialized streams. M.Tech. in defence technology courses has been designed to produce Post Graduates who will have the necessary theoretical & experimental knowledge, skill and aptitude in various defence technologies areas and pursue them to carry out R&D in defence.
- The students will be provided valuable exposure & knowledge for various state of the art defence systems and contemporary technologies through class lectures & main thesis work. During the program, the students would be given valuable exposure by carrying out their main thesis work in DRDO labs, Defence PSUs & Private Defence Industries.

Program Objectives

1. To develop Post Graduates who have the necessary theoretical & experimental knowledge, skill and aptitude in defence technologies and systems and can get recruited in the various defence laboratories, defence public sector & private industries, ordnance factories and other similar sectors of the economy at national and international level.
2. To contrive skilled manpower in the field of defence technologies.
3. To enhance students' interaction with the senior, experienced manpower engaged in defence labs and defence industries and have real time knowledge / experience in the technology development, technology deployment and defence systems.
4. To acquaint students for the needs of technologies related to defence & security of nation and to create zeal among students to pursue research and development for defence technologies.

Program Outcomes

S. no.	Program Outcome	Attributes
PO-01	Acquire technical competence, comprehensive knowledge and understanding the methodologies and technologies associated with land, air & naval defence systems. Apply knowledge to identify, formulate and analyse complex engineering problems.	Scholarship of Knowledge
PO-02	Having an ability to apply knowledge of science, mathematics, engineering & technology for development of defence technologies.	Critical Thinking
PO-03	Having an ability to design a component, subsystem or a system applying all the relevant standards and with realistic constraints, including operational and environmental.	Research Skill
PO-04	Acquire the skills for uses of contemporary techniques, resources and modern engineering and IT tools	Usages of Modern Techniques
PO-05	An ability to identify, investigate, understand and analyse complex problems, apply creativity, carry out research /investigation and development work to solve practical problems related to defence technological issues.	Design, Development & Solutions
PO-06	Ability to communicate effectively in both oral and written contexts in the form of technical papers, project reports, design documents and seminar presentations.	Communication
PO-07	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	Individual & Team Work

Program Structure

It is a 4 semester program with total 80 credits. It is having 6 specializations, as regard to the specializations, semester -1 will have common curriculum and semester 2 curriculum will be varied as per the specialization. Semester 3 & 4 includes dissertation and industrial training

Semester - 1

S. No.	Course Code	Course of study and scheme of examination	M.Tech Semester-1			Branch Defence Technology
			Periods/Week			Total Credits
		Compulsory Courses	L	T	P	
1.	DT-01-01	Systems and warfare Platforms	4	-	-	4
2.	DT-01-02	Warfare Simulations & Strategies	4	-	-	4
3.	DT-01-03	Advanced Engineering Mathematics	4	-	-	4
4.	DT-01-L01	Systems and Platforms Lab	-	-	2	2
5.	DT-01-L02	Warfare Simulations & Strategies Lab	-	-	2	2
		Elective Courses				

6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

Semester -1 Elective Courses

Students are expected to select the Elective-I course of their choice, provided that at least a group of 7 students should opt for the similar elective course.

Course Code		Course of study and scheme of examination	M.Tech Semester-1			
S. No.		Elective 1	Periods/Week			
			L	T	P	Total Credits
1.	DT-EL1-01	Rockets & Missiles Fundamentals	3	-	-	3
2.	DT-EL1-02	Advanced Thermal Engineering	3	-	-	3
3.	DT-EL1-03	Numerical methods for science & engineering	3	-	-	3
4.	DT-EL1-04	Communication Technology	3	-	-	3
5.	DT-EL1-05	Advanced Mechanical Engineering	3	-	-	3

S. No.		Course Code	Course of study and scheme of examination	M.Tech Semester-1			
			Periods/Week				
			L	T	P	Total Credits	
1.	DT-EL2-01	Autonomy and Navigation Technology	3	-	-	3	
2.	DT-EL2-02	Optimization theory & applications	3	-	-	3	
3.	DT-EL2-03	Military Electronics System Engineering	3	-	-	3	
4.	DT-EL2-04	System Engineering & Analysis	3	-	-	3	

- Semester-1 courses will be same for all specializations.
- Semester -2 courses will be as per the selected specialization.

Semester - 2: Main Stream Defence Technology with following six specialization

S. No.	Main Stream Defence Technology
1.	Combat Vehicle Engineering
2.	Aerospace Technology
3.	Naval Technology
4.	Communication Systems & Sensors

5.	Directed Energy Technology
6.	High Energy Materials Technology

1. Combat Vehicle Engineering

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Combat Vehicle Engineering	L	T	P	
1.	DT-CVE-01	Combat Vehicle Dynamics	4	-	-	4
2.	DT-CVE-02	Combat System Engineering	4	-	-	4
3.	DT-CVE-03	Test & Evaluation of Weapon System	4	-	-	4
4.	DT-CVE-L01	Combat Vehicle Dynamics Lab	-	-	2	2
5.	DT-CVE-L02	Combat System Engineering Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

2. Aerospace Technology

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Aerospace Technology	L	T	P	
1.	DT-AT-01	Aerospace System Configuration, Design & Simulation	4	-	-	4
2.	DT-AT-02	Guidance & control	4	-	-	4
3.	DT-AT-03	Aerospace Propulsion	4	-	-	4
4.	DT-AT-L01	Aerospace System Configuration, Design & Simulation Lab	-	-	2	2
5.	DT-AT-L02	Guidance & control Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3

8.		Seminar	-	-	1	1
		Total credits				23

3. Naval Technology

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Naval Technology	L	T	P	
1.	DT-NT-01	Naval combat system engineering	4	-	-	4
2.	DT-NT-02	Guidance, Navigation, and Control of Marine Systems	4	-	-	4
3.	DT-NT-03	Marine Propulsion	4	-	-	4
4.	DT-NT-L01	Naval combat system engineering Lab	-	-	2	2
5.	DT-NT-L02	Guidance, Navigation, and Control of Marine Systems Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

4. Communication Systems & Sensors

	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
S. No.		Compulsory Courses	Periods/Week			Total Credits
		Communication Systems & Sensors	L	T	P	
1.	DT-CSS-01	Radar Technologies	4	-	-	4
2.	DT-CSS-02	Digital & satellite Communication and Navigation from Space	4	-	-	4
3.	DT-CSS-03	Tactical battlefield Communication & Electronic Warfare	4	-	-	4
4.	DT-CSS-L01	Radar Technologies Lab	-	-	2	2
5.	DT-CSS-L02	Digital & satellite Communication and Navigation from Space Lab	-	-	2	2

		Elective Courses				
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

5. Directed Energy Technology

S. No.	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
			Periods/Week			
		Compulsory Courses				Total Credits
		Directed Energy Technology	L	T	P	
1.	DT-DET-01	Directed Energy Sources (Lasers, Microwave)	4	-	-	4
2.	DT-DET-02	Beam Control Technology, Target acquisition, Beam Pointing & Tracking	4	-	-	4
3.	DT-DET-03	Directed Energy Weapons (DEW) System Engineering	4	-	-	4
4.	DT-DET-L01	Directed Energy Sources (Lasers, Microwave) Lab	-	-	2	2
5.	DT-DET-L02	Beam Control Technology, Target acquisition, Beam Pointing & Tracking Lab	-	-	2	2
		Elective Courses				
6.		Elective 1	3	-	0	3
7.		Elective 2	3	-	0	3
8.		Seminar	-	-	1	1
		Total credits				23

6. High Energy Materials Technology

S. No.	Course Code	Course of study and scheme of examination	M.Tech Semester-2			Branch Defence Technology
			Periods/Week			
		Compulsory Courses				Total Credits
		High Energy Materials Technology	L	T	P	
1.	DT-HEM-01	High Energy Materials Modeling & Simulation	4	-	-	4
2.	DT-HEM-02	Munitions and Target Response	4	-	-	4

3.	DT-HEM-03	Manufacturing and Materials Properties of Explosives	4	-	-	4
4.	DT-HEM-L01	High Energy Materials Modeling & Simulation Lab	-	-	2	2
5.	DT-HEM-L02	Munitions and Target Response Lab	-	-	2	2
		Elective Courses		-		
6.		Elective 1	3	-	-	3
7.		Elective 2	3	-	-	3
8.		Seminar	-	-	1	1
		Total credits				23

Elective Courses offered for Semester 2

Students are expected to select the Elective-I course of their choice, provided that at least a group of 7 students should opt for the similar elective course.

S. No.	Course Code	Course of study and scheme of examination	M.Tech Semester-2			
			Periods/Week			
		Elective 1 (for all Specializations)	L	T	P	Credits
1.	DT-EL3-01	Robotics (MSS, MCC)	3	-	-	3
2.	DT-EL3-02	EMI/EMC in Military Systems	3	-	-	3
3.	DT-EL3-03	Defence Electro-Optics and Imaging Systems	3	-	-	3
4.	DT-EL3-04	Structural Dynamics and Aero-elasticity	3	-	-	3
5.	DT-EL3-05	Safety, Health & Hazard Management	3	-	-	3
6.	DT-EL3-06	Fundamental of telemetry, telecommand & transponder	3	-	-	3
7.	DT-EL3-07	Jamming and ECM/ECCM technologies	3	-	-	3
8.	DT-EL3-08	Software defined Radios	3	-	-	3
9.	DT-EL3-09	Advanced Lightweight and Composite Structures	3	-	-	3
10.	DT-EL3-10	Test methodologies for DEW systems (Lasers & Microwave)	3	-	-	3
11.	DT-EL3-11	Advanced Analytical Techniques / Lab testing	3	-	-	3
12.	DT-EL3-12	Sonar System Engineering	3	-	-	3

S. No.	Course Code	Course of study and scheme of examination	M.Tech Semester-2			
			Periods/Week			
Elective 2 (for all Specializations)			L	T	P	Credits
1.	DT-EL4-01	Unmanned Aerial Vehicle Design	3	-	-	3
2.	DT-EL4-02	Naval Ocean Analysis and Prediction	3	-	-	3
3.	DT-EL4-03	Modeling & simulation of Laser Matter Interaction	3	-	-	3
4.	DT-EL4-04	Computational Aerodynamics	3	-	-	3
5.	DT-EL4-05	Launch Vehicle Design & Analysis	3	-	-	3
6.	DT-EL4-06	Acquisition, Tracking & Pointing Technology	3	-	-	3
7.	DT-EL4-07	Data acquisition, tracking & post flight analysis	3	-	-	3
8.	DT-EL4-08	Air independent propulsion & batteries	3	-	-	3
9.	DT-EL4-09	Advanced digital modulation technologies & standards	3	-	-	3
10.	DT-EL4-10	Trajectories modelling & simulation	3	-	-	3
11.	DT-EL4-11	Sensor Technology	3	-	-	3

Semester - 3

S. No.	Course	Credit
1.	Project Dissertation- Phase 1	10
2.	Seminar/ Industrial training	4
Total credits		14

Semester – 4

S. No.	Course	Credit
1	Project Dissertation Phase-2	20
Total credits		20

Comments by Members:

Dr Kalil Rahiman M, Anna University Nominee

- Happy to note that AICTE came forward, executed, and implemented the Program M.Tech in Defence Technology, nice initiative by KCT and hope that it's a positive note that Department of Aeronautical Engineering has taken it forward.
- Whether the support for Laboratory Facilities, Projects to be taken up for this program are assured by DRDO Centers? Which needs to be verified and ensure smooth implementation of the program.
- In response, the BoS Chairman explained the possibilities of using DRDO Centers and Allied Industries with reference to the Document on "**Syllabi for M.Tech in Defence Technology & Guidelines 2021 – 22**" released jointly by AICTE and DRDO.

Dr. S. Rajagopal, Project Director, ADE

- Introduction to Aerospace Vehicles course should be offered as a new elective for Aerospace Technology Specialisation
- Aerospace Technology specialisation students need to familiarise courses like Aerodynamics, Structures, Propulsion and Guidance & Control.
- Electives Courses- Computational Fluid Dynamics and Finite Element Analysis should be offered for Aerospace Technology specialisation

Dr. M. Backialakshmi, Scientist G, Centre for Airborne Systems

- Relevant DRDO labs should be identified for laboratory experiments
- Elective Course-Communication Technology title should be changed as Communication Systems or Advanced Communication Systems
- Electives should be listed related to specialisation such as Aerospace Technology and Communication Systems & Sensors
- Elective Course EMI/EMC in Military Systems has less content, it should be improved
- Elective Courses DT-EL4-06 Acquisition, Tracking & Pointing Technology and DT-EL4-07 Data acquisition, tracking & post flight analysis are same, needs to be modified
- Elective Courses DT-EL4-03 Modeling & simulation of Laser Matter Interaction and DT-EL4-10 Trajectories modelling& simulation should be combined as a single course.
- New elective - Secure Communication or Data security may be proposed
- New/latest Radar technologies to be added in the course DT-CSS-01 Radar Technologies in Communication Systems & Sensors specialisation
- Electronic Warfare, Sensors, Sensor technology to be added in the syllabus
- New course – Antenna technology may be proposed
- Name should be modified appropriately for the courses DT-EL3-06 Fundamental of telemetry, telecommand & transponder and DT-EL3-07 Jamming and ECM/ECCM technologies

P.Mueen Ahamadulla Khan, Vice Chairman, AeSI

- Less number of Electives need to be focused with a proper plan from semester - 1 onwards for better employment opportunities like Drones, Design, CFD, FEA, Structures, Aerodynamics, Propulsion systems, Composites etc.,
- 2 weeks/4 weeks internships opportunities should be arranged for M.Tech Defence Technology students in DRDO labs
- Discussion with the DRDO team should be carried out, requesting them to get temporary placement opportunities for the MTech Defence Technology students such as JRF, SRF, Contract Engineers or to explore any job vacancies with the registered vendors and suppliers of DRDO
- KCT should carryout few preparatory training programs like communication skills, 3D modeling/FEA/CFD training programs and other courses at campus and ensure that students should possess certain skills before going for DRDO for project works,

this will save precious time of DRDO scientists and also shall bring good reputation to the academic institution.

Mr. Sandeep Tom, Alumni Member, Quality Engineer, Curtiss-Wright Corporation

- More electives should be added such as Advance Materials Research, Smart Automation, and Blockchain Technology

Prof. Vasantharaj C, Director, KC.IRI

- Focus will be more on gaining practical hands-on experience on the latest technologies and systems being developed//used during the practical training at the respective DRDO Labs/Estts. for students of this program.
- The respective Labs may allow students to publish their project work carried out at the DRDO Labs.
- DRDO HQrs may be asked to give priority for these students during their recruitment process for JRF/Scientists.

Dr. Vinohar Stephen Rapheal, Department of Academics

- Bridge courses should be arranged for cluster of students since more diverse disciplines are eligible for M.Tech in Defence Technology
- Value added courses (such as signal processing, nuclear warfare, and submarine technology) may be conducted for areas not covered in core or electives.
- Electives Courses- Cyber defence, Space defence should be offered.

Finalization of Approval

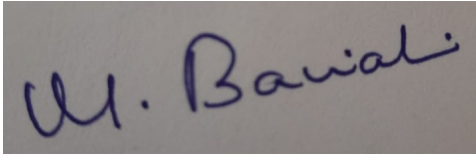
- Launching of new PG Programme on M.Tech in Defence Technology is approved by all the members unanimously.
- The Curriculum and Syllabi of M.Tech in Defence Technology and guidelines 2021-2022, released by Directorate of Futuristic Technology Management (DFTM) Government of India, Ministry of Defence, Defence Research & Development Organisation (DRDO), New Delhi In Collaboration with All India Council for Technical Education (AICTE), New Delhi are recommended by the panel members.
- The suggestions/corrections pointed out by the members will be intimated to DFTM and DRDO Head Quarters organisations for taking into considerations.



Dr Kalil Rahiman M
Anna University Nominee



Dr. S. Rajagopal
Project Director, ADE



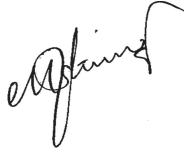
Dr. M. Backialakshmi,
Scientist G, Centre for Airborne Systems



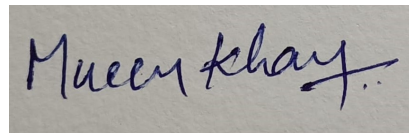
Mr. Sandeep Tom
Alumni Member



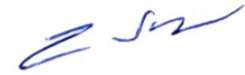
Dr. Vinohar Stephen Rapheal
Department of Academics



Mr. M. Senthilkumar,
BOS Convenor
Dept. of Aeronautical Engg



P. Mueen Ahamadulla Khan,
Vice Chairman, AeSI



Prof. C. Vasantharaj
Director, KC.IRI



Dr Selvanayaki S
Asst Professor (SrG). S&H



Dr. K. Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg



DEPARTMENT OF AERONAUTICAL ENGINEERING

17th Board of Studies (BOS) Meeting

MINUTES OF BOARD OF STUDIES MEETING

Department: Aeronautical Engineering

Program: B.E

Venue: MS Teams Online Meeting

Date: 19.06.2021

Time: 11.00 AM

Agenda

- Presenting Minutes of DAB Meeting Dt:12.06.2021
- Action Taken Report on Previous BoS Meeting
- Introduction of New One Credit Courses / Programme Electives / Open Electives
- Addition of New Lab Experiments in R2018 Courses
- Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
- Members Recommendations for Implementing NEP 2020
- Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
- Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Best Practices followed in (External) Member's Institutions
- Any other matters (with the permission of Chairman, BoS)
- Vote of Thanks

Members Present		
Sl. No	Name	Role
1.	Dr K Sundararaj , Professor and Head, Department of Aeronautical Engineering, KCT	BOS Chairman
2.	Dr Kalil Rahiman M , Associate Professor and HOD, Aeronautical Engineering, Bannari Amman Institute of Technology, Sathyamangalam	University Nominee
3.	Dr S. Kamle , Professor, Aerospace Engineering, Indian Institute of Technology Kanpur	Subject Expert

4.	Dr. R. Kannan , Asst. Professor (SG), Aerospace Engineering, Amrita University, Coimbatore	Subject Expert
5.	P.Mueen Ahamadulla Khan , Manager, Ground Test Center, RWR&DC, Hindustan Aeronautics Limited, Bangalore	Expert from Corporate related to Placement
6.	Mr. Vishal S Shirbhate , Principal Scientist, Computational and Theoretical Fluid Dynamics division, National Aerospace Laboratories (NAL), Bangalore	Industry Representative
7.	Mr. Sandeep Tom , Quality Engineer, Curtiss-Wright Corporation, Hatfield, Pennsylvania, USA	Alumni Member
8.	Dr. Sundaresan S , Associate Professor, Department of Textile Technology, KCT	Autonomous Coordinator
9.	Dr A. Vasuki , Controller of Examinations, KCT	Controller of Examinations
10.	Dr.Vinohar Stephen Rapheal , Associate Professor, Department of Bio Technology, KCT	Department of Academics
11.	Dr. J. Vijayaprakash . Associate Professor, MCA, KCT	Dy Controller of Examinations
12.	Dr John Alexis , Professor, Department of Automobile Engineering, KCT	Special Invitee
13.	Dr Selvanayaki S , Asst Professor (SrG), Science & Humanities, KCT	Special Invitee
14.	Mr M Senthilkumar , Asst. Professor (SrG) , Department of Aeronautical Engineering, KCT	BOS Convener
15.	Dr.Premkumar PS , Associate Professor, Department of Aeronautical Engineering, KCT	Department DAB & Budget Coordinator
16.	Mr S Senthilkumar , Asst. Professor –I , Department of Aeronautical Engineering, KCT	NBA Coordinator & Module Coordinator – Avionics/Systems
17.	Mr Naveenkumar K , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator – Aircraft Structures
18.	Mr R Arul Prakash , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Timetable coordinator, Module Coordinator – Aircraft Propulsion
19.	Mr R Arunkumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Exam Coordinator
20.	Mr J Darshankumar , Asst. Professor –II, Department of Aeronautical Engineering, KCT	Aero Modelling/ Placement Coordinator
21.	Mr G Rajkumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	NBA Co Coordinator
22.	Mr R Vijayanandh , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Committee - Avionics
23.	Mr S Muthukumar , Asst. Professor –I, Department of Aeronautical Engineering, KCT	Module Coordinator - Aerodynamics
24.	Mr Bennyrajan N , Department of Aeronautical Engineering, KCT	Instructor

25.	Mr Arokiaraj B, Department of Aeronautical Engineering, KCT	Instructor
26.	Venkat Prasad S, Final Year Student LC, Aero, KCT	Student Member
27.	Rajamanickam M, Final Year Student, Aero, KCT	Student Member
28.	Kesavan K, Third Year Student, Aero, KCT	Student Member
29.	Rohini Janaki B, Third Year Student, Aero, KCT	Student Member
30.	Prisha K Asher, Third Year Student, Aero, KCT	Student Member
31.	Saravana Mohan K, Senior Technician, Sai Regency Power Corporation Pvt Ltd, Coimbatore	Parent Member
32.	Gnana Selvam, Manager, Ramesh Pumps, Coimbatore	Parent Member

- Welcome note and introduction of members given by Chairman Dr K Sundararaj, Professor & Head, Department of Aeronautical Engineering, KCT.
- Minutes of the Department Advisory Board (DAB) Meeting presented by Dr PS Prem Kumar, DAB Coordinator, Department of Aeronautical Engineering, KCT.

Action Taken Report on Previous BoS Meeting

- Mr M Senthil Kumar, BoS Convener presented Action Taken Report on Previous BoS Meeting dated 21.11.2020.
- Dr S. Kamle, Professor, Aerospace Engineering, IIT Kanpur, commented that previous Minutes of the BoS meeting and ATR should have been sent in advance to the BoS members. The comment given by Dr S. Kamle is noted and that will be implemented regularly by the department, right from the forthcoming BOS Meetings.

Introduction of New One Credit Courses / Programme Electives / Open Electives

The following Five new Programme Electives are introduced for R2018

1. U18AEE0014 Helicopter Aerodynamics
2. U18AEE0015 High Energetic Fuels and Propellants
3. U18AEE0016 Aircraft Structural Analysis
4. U18AEE0017 Autonomous Navigation
5. U18AEE0018 Additive Manufacturing and Tooling

One Credit Course - U18AEC0006 Smart Materials and Structures is introduced for R2018.

Dr Kalil Rahiman M, Anna University Nominee, suggested to revise the course content of the One Credit Course considering more relevant topics of Materials and Structures.

Dr Kalil Rahiman M recommended to increase the credits for the core courses in the next revision of curriculum & syllabi (R2022)

Mr. Sandeep Tom, Alumni Member recommended inclusion of fundamentals of material science in the proposed One Credit Course Smart Materials and Structures.

Stakeholders’ feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The changes on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods recommended and proposed by Dr K Sundararaj to the BoS members are as follows

VISION	
INSTITUTE	DEPARTMENT
The vision of the college is to become a technical university of International Standards through continuous improvement	To attain excellence and global reputation in Aeronautical Engineering Education and Research.

MISSION	
INSTITUTE	DEPARTMENT
Kumaraguru College of Technology (KCT) is committed to provide quality Education and Training in Engineering and Technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership .	<ul style="list-style-type: none"> • The department is committed to provide quality education in Aeronautical Engineering to students to build their career and do quality research and thus contribute to the field of Aviation and Aerospace. • The department aims to prepare students for their higher studies and research to contribute to the advanced technological needs of Aeronautical engineering. • Encourage faculty to update their knowledge and teaching-learning process through continuous learning. • Undertake inter-disciplinary research to contribute and support the industry.

Programme Educational Objectives			
PEOs	Existing	Reason for Change	Proposed
	To Prepare Graduates to:		
PEO1	pursue a successful profession in leading organizations.	“Profession in Leading Organization” appears to be very general. More specific information suggested.	Take up careers in Aeronautical domain-related Aerodynamics , Aircraft Structures, Aircraft Propulsion, UAV and Avionics, and other careers that requires aeronautical field expertise
PEO2	pursue postgraduate degrees and conduct research at leading technological universities to contribute to the advancement in the field of Aviation and Aerospace industries.	PEO2 is intended focu specifically on higher studies, in a simplified language.	Pursue higher education leading to academic and research careers in the field of Aeronautical Engineering

PEO3	continue their professional development by utilizing educational and career building opportunities through their employer, educational institutions, or professional bodies.	PEO3 partly appears representing PEO2 again	Become innovators by the way of grooming their professionalism in Aeronautical Engineering and explore opportunities that come across through their employers and professional bodies.
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Programme Specific Outcomes (PSOs)			
PSOs	Existing	Reason(s) for Change	Proposed
	Graduates of the Aeronautical Engineering Undergraduate Program will have the ability to:		

PSO1	Apply fundamental principles of Aerodynamics, Structures, Propulsion, Materials, and Avionics to provide solutions to aerospace and non-aerospace industrial problems.	Statement refinement	Apply concepts and principles of Aerodynamics, Aircraft Structures, Aircraft Propulsion, and Avionics to provide solutions to critical industrial problems.
PSO2	Use the software packages in the design, manufacturing, testing and maintenance of aeronautical and aerospace based components and systems	The term “Software packages” needs to be avoided	Identify, Analyze, select, develop and apply appropriate computational methods and tools for the purpose of design and creation of aerospace systems and then interpret the results.

Dr Kalil Rahiman M commented that the PEO2 statement should also be defined more specifically as that of PEO1.

Targets for CO / PO for Academic Year 2021-22

Targets for CO / PO for Academic Year 2021-22 presented by Mr. S. Senthil Kumar, NBA Coordinator.

Aerodynamics and Flight Dynamics Module

Course Code	Course Title	Target fixed	Attained (%)						Target fixed	
			C01	C02	C03	C04	C05	C06	Year 2020-2021	Year 2021-2022
U18AEI3201	Fluid Mechanics	60%	48.11	63.95	85.54	71.15	79.79	79.79	65%	70%
U18AEI4201	Low Speed Aerodynamics	60%	61.07	53.88	94.18	92.73	92.73	92.73	65%	70%
U17AET5003	Computational Fluid Dynamics	65%	93.66	68.59	70.32	82.0	70.35	91.03	70%	75%
U17AET6001	Flight dynamics	65%	71.35	74.75	93.41	84.93	98.5	-	70%	75%
U15AET703	Flight vehicle design	60%	76.57	79.5	61.95	50.27	88.27	-	65%	70%
U17AEE0001	Experimental Aerodynamics	60%	91.19	81.1	75.56	64.77	67.97	-	65%	70%

Dr. R. Kannan commented that the targets for CO attainment to be decided based on the batch of students and their history of previous attainments in addition to the nature of the course.

Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Panel of Examiners for Question Paper Setting / Lab Exams for Academic Year 2021-22 presented by Mr. R. Arun Kumar, Exam Coordinator, Dept. of Aeronautical Engg, KCT to BoS members for approval.

Members Recommendations for Implementing NEP 2020

Dr. R. Kannan suggested to offer industry linked courses for Aeronautical Engineering students.

Dr S. Kamle emphasized that the department should present its plan of action for implementing NEPS2020 and then ask for the opinion/suggestion from the external experts. Initial efforts essentially need to be taken by the department referring the NEP 2020 guidelines.

Members deliberation on Perceived Gaps in existing curriculum and syllabus &

Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

Dr. R. Kannan suggested to conduct comprehension examination at the end of every year, to train the students for GATE & other competitive examinations and due credit should be given.

Mr.Vishal S Shirbhate, Principal Scientist, NAL suggested to pursue Internship for students in aero industries, more usage of open source tools for better understanding of flow concepts. He also suggested to use MATLAB to promote Autonomous Vehicles, Drones, UAVs & Electric Vehicles.

Mr. Sandeep Tom, Alumni Member recommended Mentor program with industry Experts for Aeronautical Engineering students

Dr John Alexis, Special Invitee, suggested to include Operation Research content in the Aviation Logistics and Supply Chain Management course.

Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

NIL

Best Practices followed in (External) Member's Institutions

Dr. R. Kannan suggested that, Innovation Lab can be proposed to promote innovative idea of the students in addition to regular laboratory experiments.

Details of Approval Requirements

- Introduction of New Programme Electives
 1. U18AEE0014 Helicopter Aerodynamics
 2. U18AEE0015 High Energetic Fuels and Propellants
 3. U18AEE0016 Aircraft Structural Analysis
 4. U18AEE0017 Autonomous Navigation
 5. U18AEE0018 Additive Manufacturing and Tooling
- Introduction of New One Credit Course
 1. U18AEC0006 Smart Materials and Structures
- Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

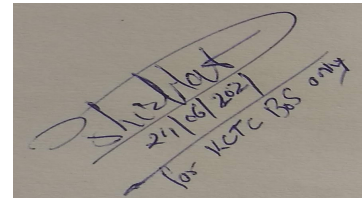


Dr Kalil Rahiman M
Anna University Nominee

Dr S. Kamle
Professor, IIT Kanpur



Dr. R. Kannan,
Asst. Professor (SG), Amrita University



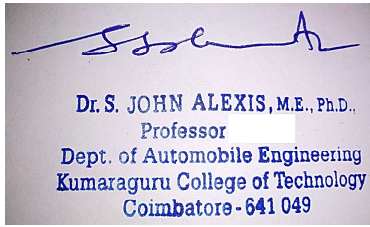
Mr. Vishal S Shirbhate
Principal Scientist, NAL



Mr. Sandeep Tom
Alumni Member



Dr. Vinohar Stephen Rapheal
Department of Academics



Dr John Alexis,
Professor, Automobile

Dr Selvanayaki S
Asst Professor (SrG). S&H

Mr. M. Senthilkumar,
BOS Convenor
Dept. of Aeronautical Engg

Dr.K.Sundararaj,
Chairman / Board of Studies,
Dept. of Aeronautical Engg

Note: Digital Signature from **Dr S. Kamle**, Professor, IIT Kanpur is yet to be received.

**KUMARAGURU COLLEGE OF TECHNOLOGY****COIMBATORE– 641 049****(An Autonomous Institution Affiliated to Anna University, Chennai)****MINUTES OF BOARD OF STUDIES MEETING**

Department: Artificial Intelligence & Data Science**Program: UG****Venue: Virtual (Ms Teams)****Date: 12.06.2021****Time: 09.30 AM**

The Virtual Board of Studies meeting for Computer Science and Engineering was held on June 12, 2021 at 09.30 A.M. It was chaired by Dr. P. Devaki, Chairman – BoS for B.E. Computer Science and Engineering Programme. The Chairman informed that the meeting has been called to review the curriculum and syllabus of 3rd and 4th semester 2018 Regulation. The following external members, module coordinators, internal members, and student representatives were present.

Dr. Sudharson D AP/AI&DS presented the framework of the curriculum along with the unique features of B. Tech Artificial Intelligence & Data Science Programme. All the external members appreciated the curriculum design and the efforts put in for an innovative curriculum.

External Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus.
3. Dr. P. Santhi Thilagam, Professor, Department of Computer Science and Engineering, National Institute of Technology Surathkal.
4. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore.
5. Mr. Arun Pratap A, Specialist, Robert Bosch Engineering and Business Solutions, Coimbatore.
6. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore.
7. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC.
8. Mr. Gokul Kumar K, Co-founder & CTO, Vusar, California Executive Consultant, Forge.

9. Mr. Sivan Ammamuthu, Delivery Head - FS Switzerland Continental Europe Financial Services.

Module Coordinators

1. Dr. Sudharson D / AI&DS
2. Mr. Bhuvaneshwaran A / AI&DS

Internal Members

1. Dr.P. Devaki, Professor & Head, BoS Chairmam
2. Dr. K. R. Baskaran, Professor/CSE
3. Dr. L. Latha, Professor/CSE
4. Dr. J. Cynthia, Professor
5. Dr. S. Rajini, Associate Professor/CSE
6. Dr. V. P. Sumathi, Associate Professor/CSE
7. Dr. E. A. Vimal, Associate Professor/CSE
8. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE
9. Dr. D. Sathya, AP-II
10. Ms. V. Sudha, AP-II, BOS Convener
11. Mr. S.P. Siddique Ibrahim, AP
12. Ms. S. Nithya Roopa, AP
13. Ms. D. Aswini, AP
14. Mr. V. Senthil Kumar, AP
15. Ms. X. Francis Jency, AP
16. Mr. G. Kanagaraj, AP
17. Ms. D. Yamunathangam, AP
18. Ms. S. Uma Maheswari, AP
19. Ms. N. Jeba, AP
20. Mr. R. Kirubakaran, AP
21. Dr. S. Selvanayaki, Assistant Professor (SRG), Department of Science and Humanities,
Kumaraguru College of Technology

Student Representatives

1. Ms. Swetha (20BAD044)
2. Mr. Thoufiq (20BAD046)

Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 18th BoS meeting of the Department of Computer science and Engineering. She handed over the presentation to Dr.D.Sudharson . He started the presentation with a brief introduction to the Program Educational Objectives, Program Outcomes, Program Specific Outcomes of B.Tech – Artificial Intelligence and Data Science. He explained the highlights of the R18 curriculum and presented the curriculum to the members.

Finally, the meeting ended with a vote of thanks by Dr. P. Devaki, BoS-Chairman. The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. The following are the suggestions given by the members.

Curriculum - balance of courses as per domain, pre-requisites

1. Prof. V. Ramachandran suggested that the syllabus of Applied machine learning can be reduced, and topics related to fuzzy inference can be ignored. He also narrated that prerequisite for certain courses should be ensured.
2. Prof. Hema Gopal suggested including more case studies and she appreciated the overall industry-oriented syllabus. Also, she suggested that certain software-oriented tools for finance and accounting could be introduced in higher semesters.
3. Prof. V. Ramachandran and Dr. P. Santhi Thilagam suggested that Theory of Computation can be offered as an elective in higher semesters. They also suggested that courses like computing infrastructure can be brought in.
4. Mr. Dorai Thodla suggested that the fundamentals must be concentrated, and even simpler version of the syllabus must be given so that it ensures maximum learning for the students.
5. BoS members insisted on ensuring the credits and related credentials for all the subjects.
6. Dr. Salaja Silas informed that an outline about the practical component could be added for all the courses.
7. The members appreciated for adding courses related to economics and finance in third and fourth semesters.
8. Mr. Arun Pratap A suggested that more time could be spent on the basics of Applied Machine learning in which the foundational courses can be instructed.

Syllabus updation and relevance to industrial, career requirement

1. Prof. Ramachandran V. suggested that Neural Network and Deep Learning courses can reduce its content and more industry-oriented concepts can be brought in.
2. Mr.Gokul suggested that applied machine learning course can be brought to fourth semester and Deep Learning and Neural Network courses can be moved to fifth semester
3. Theory of computation is fixed as an elective course that will be offered in fifth semester.
4. Prof. Hema Gopal suggested that courses can be supported with more industry relevant tools such as kaggle, kubernetes and dockers.
5. Courses like Data Mining and Modeling and Deep Learning & Neural Networks are made as four credit courses with respect to the suggestions.
6. Experts suggested that an awareness about the course should be formulated that helps the students to understand the needs about a course.
7. Dr. P. Santhi Thilagam suggested that few courses can be renamed with respect to the industrial applications.

Course Delivery - Mode and effectiveness:

1. Mr. Dorai Thodla and Mr. Gokul suggested that possible courses should be articulated with help of online tools like repl.it, Github and others.

Student's knowledge and skill development

Students must be encouraged to ensure maximum learning in terms of Engineering Sprints, Innovation Sprints, Ideation Sprints to ensure creativity and continuous learning.

Faculty and support faculty development / training:

The list of thrust areas and the faculty specialization must be identified, and the respective faculty should be trained enough on the courses.



Dr.P.Devaki,

HoD/CSE and BoS Chairman


Name	Signature
Prof. Hema Gopal (Anna University Nominee)	
Prof. Ramachandran. V (Academic Expert)	
Dr. P. Santhi Thilagam (Academic Expert)	
Dr. Salaja Silas (Academic Expert)	
Mr. A. Arun Pratap (Expert from Industry)	
Mr. Praveen Subramani (Expert from Industry)	Praveen Subramani
Mr. Dorai Thodla (Expert from Industry)	Dorai
Mr. Gokul Kumar.K (Expert from Industry)	gokul kolandavel
Mr. Sivan Ammamuthu (Industry Expert)	
Dr. S. Selvanayaki (Faculty member from allied department)	

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 10th Board of Studies Meeting	Ref No. KCT/AUTO/BOS12/2020 - 21/01
		Prepared by: C. Naveen Kumar, AP Issued By: S. Sivakumar, HOD Issue Date: 12 June 2021
MINUTES OF MEETING		Page Number: 1 of 4

Date:	12 June 2021	Time:	10.00 AM to 11.30 AM	Online	Google Meet
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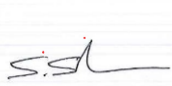




Participants of the meeting


External Panel Members

1. Dr. S. Jegadheeswaran (Anna University Nominee) - Professor, Automobile Engineering, Bannari Amman Institute of Technology, Sathyamangalam.
2. Dr. M. Leenus Jesu Martin (Subject Expert) Professor & Head, Automobile Engineering., SRM University, Chennai.
3. Dr. V. Arul Mozhi Selvan (Subject Expert) - Professor, Mechanical Engineering, National Institute of Technology, Tiruchirappalli.
4. Dr. Shankar Venugopal (Industry Expert) - Vice President, Mahindra & Mahindra, Chennai
5. Mr. V. Gurupranav (Alumni Member) – Engineer, Technical Regulation & Homologation, Renault Nissan.

Internal Panel Members

1. Prof. S Sivakumar (BoS Chairperson) - Associate Professor and Head, Automobile Engineering, KCT
2. Dr. J D Andrew Pon Abraham (BoS Coordinator) - Assistant Professor, Automobile Engineering, KCT
3. Dr. N. Sangeetha - Senior Associate Professor, Mechanical Engineering, KCT
4. Prof. C. Vasantharaj - Professor, Automobile Engineering, KCT
5. Dr. S. John Alexis – Professor, Automobile Engineering, KCT
6. Dr. G. Thenmozhi – Associate Professor, Automobile Engineering, KCT
7. Dr. S. Mohan Kumar – Assistant Professor, Automobile Engineering, KCT,
8. Mr. T. Karthik - Assistant Professor, Automobile Engineering, KCT
9. Mr. J. Saiganesh - Assistant Professor, Automobile Engineering, KCT
10. Mr. S. Satish - Assistant Professor, Automobile Engineering, KCT
11. Mr. G. Rajkumar - Assistant Professor, Automobile Engineering, KCT

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav

	KUMARAGURU COLLEGE OF TECHNOLOGY DEPARTMENT OF AUTOMOBILE ENGINEERING 10th Board of Studies Meeting	Ref No. KCT/AUTO/BOS12/2020 - 21/01
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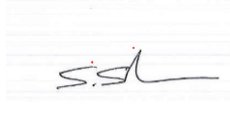




12. Mr. R. Kishore - Assistant Professor, Automobile Engineering, KCT
13. Mr. C. Naveen Kumar - Assistant Professor, Automobile Engineering, KCT
14. Mr. A. Prabhakaran - Assistant Professor, Automobile Engineering, KCT
15. Mr. B. Arun - Assistant Professor, Automobile Engineering, KCT
16. Mr. V Annamalai – Final year student, Automobile Engineering, KCT
17. Mr. T. Julash - Final year student, DA President, Automobile Engineering, KCT

Highlights: Discussions on R18 Regulation 1. Elective addition 2. PROTOSEM 3. Best Practices 4. Evaluation methods

MINUTES OF MEETING & ACTION POINTS

Codes: A: Action C: Comment D: Decision R: Recommendation

S.No	CODE	DESCRIPTION & DISCUSSION POINTS
1.		<ul style="list-style-type: none"> • Mr. Saiganesh welcomed the panel members and presented the agenda for the day. Prof. Sivakumar proposed the welcome address and introduced the panel members. • Dr. Andrew presented the action taken from the 9th BOS meeting to the panel. • Vision, mission and PSO of the department have been shared with the panel members
2.	R, C	<ul style="list-style-type: none"> • The panel members approved the list of QP setters nominated by the department and suggested to include Associate professors also in the mix. • CO-PO attainment of the R 15 curriculum presented and suggestions for improvement is fixing the target was discussed. • Overview of finalized R18 curriculum is presented and an addition of 3 credit elective course on ADVANCED STM32 MICROCONTROLLER AND EMBEDDED C PROGRAMMING was proposed to the panel members and they approved the same. • PROTOSEM Idea and curriculum has been presented which is also approved by the panel

				
Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav



KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF AUTOMOBILE ENGINEERING
10th Board of Studies Meeting

Ref No. KCT/AUTO/BOS12/2020 - 21/01

Prepared by: C. Naveen Kumar, AP

Issued By: S. Sivakumar, HOD
Issue Date: 12 June 2021

MINUTES OF MEETING

Page Number: 3 of 4

S.No	CODE	DESCRIPTION & DISCUSSION POINTS
		members. <ul style="list-style-type: none">One Credit Course: Suggestion was to conduct in Blended mode try to bring in expertise from Industry, Institution and Abroad.
3.	C	Best Practices Followed: Dr. Arul Mozhi Selvan <ul style="list-style-type: none">NIT Model – Student are encouraged to do mini projects of their interest and participate in competitions, during the final year project evaluation the activity will be considered for credits. Encourage interdisciplinary project.KCT has launched similar model – to start with 60 students – suggestion to open it for all the students.Students can be left free in 7th and 8th semester so that they can go for projects or internships abroad. Dr. Leenus Martin <ul style="list-style-type: none">SRM Model - Students can collaborate with MBA and also Medical Sciences and other majors as well.FAB LAB 24 x 7 facility for fabrication projects, Incubation Cell – Takes on Alumni based projects as live projects. Dr. Jegadheeswaran <ul style="list-style-type: none">Bannari Institute model – Students can take elective at any level and the only thing is they should have completed the prerequisite. For example, a second-year student can choose and 3rd year elective so there will be a mixture of students. Only thing is they should complete the number of credits as mentioned by Anna University and additional credits also can be taken for value addition.

Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav



KUMARAGURU COLLEGE OF TECHNOLOGY
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MINUTES OF MEETING

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S.No	CODE	DESCRIPTION& DISCUSSION POINTS
		<ul style="list-style-type: none">In SRM the students can attend the classes for knowledge, and they could skip the examinations if they completed the required credits by the norms.
4.	C	<p>Evaluation methods for Online Teaching:</p> <p>Dr. Arul Mozhi Selvan</p> <ul style="list-style-type: none">The QP should not be set in a manner the students can readily find the answers in the internet, the questions can be of correlation, compare, analyzing a real time problem etc. <p>Dr. Leenus Martin</p> <ul style="list-style-type: none">In SRM the assessments are conducted using CODETANDRA where the QP will be set in 3 levels and the questions will be shuffled for each student and each question will be timed so that they cannot come back to the previous question the students are proctored like 20 students will have a proctor and 5 proctors will be under one super proctor and all the student's movements are recorded.For analytical papers more time will be allocated.
5.	C	<p>Mr. Gurupranav Alumni added that the students can be encouraged to do more online certification courses as a value addition and to motivate them recognition can be given.</p>
6.		The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Dr. John Alexis.

Prof. S. Sivakumar

HOD/Auto

Prof. S Sivakumar (BoS Chairperson)	Dr. S. Jegadheeswaran (Anna University Nominee)	Dr. M. Leenus Jesu Martin	Dr. V. Arul Mozhi Selvan	Mr. V. Gurupranav



BOARD OF STUDIES MEETING

Department: Biotechnology

Program: M.Tech Biotechnology

Venue: MS-Team

Date: June 10, 2021

Time: 10:00AM to 12:00 PM

AGENDA

1. Welcome and Introduction by Chairman & BOS-Coordinator
2. Action Taken Report on Previous BoS Meeting
3. Introduction of New One Credit Courses / Programme Electives / Open Electives Addition of New Lab Experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institution
11. Any other matter (with the permission of Chairman, BoS)

Date: June 10, 2021

A handwritten signature in black ink, appearing to be 'Srinivas'.

BOS Coordinator

A handwritten signature in black ink, appearing to be 'R. Srinivas'.

BOS Chairman

Venue - MS-Team



KUMARAGURU
college of technology
character is life

MINUTES OF BOARD OF STUDIES MEETING

Department: BIOTECHNOLOGY

Program: M.TECH BIOTECHNOLOGY

Venue: Virtual Meet – MS TEAMS

Date: June 10, 2021

Time: 10.00 AM – 12. 30 PM

1. Welcome note and introduction of members by chairperson
 - Dr. Baskar , Head & Assoc. Prof welcomed the panel members.

2. Action Taken Report on Previous BoS Meeting

Action taken report for the previous BOS held in Nov 2020 was presented by BOS Coordinator. The report was addressed in two parts – Comments that require immediate action and comments that will be implemented in the next regulation.

Suggestions by members: No comments

3. Introduction of New One Credit Courses / Programme Electives / Open Electives Addition of New Lab Experiments in R2018 Courses

On the basis of the feedback from the stakeholders the following Professional Electives were proposed and presented for the BOS members approval

1. Human Physiology

Suggestions by members: Approved for implementation in R18 PG

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The stakeholder's feedback was presented by Mr. P. Muthukumaran. Improvement in the feedback was individually addressed.

Suggestions by members: Nil

5. Targets for CO / PO for Academic Year 2021-22

Prof. P. Ramalingam (PAC Coordinator -PG) presented the PO attained for the current batch and the target for the upcoming batch.


Suggestions by members: Nil

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Suggestions by members: Its confidential matter and left to COE discretion.

Date: June 10, 2021


BOS Coordinator


BOS Chairman
Venue - MS-Team

7. Members Recommendations for Implementing NEP 2020

Prof. R. Baskar presented the salient highlights of the NEP 2020.

Suggestions by members: Research culture, skill gap should be identified at UG level.
Members felt that the grades and knowledge level of the student is mismatching

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

Suggestions for new curriculum was presented by Dr. Ram .

Suggestions by members:

A draft curriculum to be made from the scratch and then presented in a separate BOS.
Inclusion of one more theory paper in the semester 1 recommended .

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

Infrastructure up gradation was presented by Dr. Ram .

Suggestions by members: High end equipment should be used for research purpose.

10. Best Practices followed in (External) Member's Institution

Best Practices followed in KCT was elaborated by Mr. Muthukumaran. Practices like Project based learning, One-credit industry based course, Embedded course mode of teaching, Utilization of Simulation software and programming skill in lab

Suggestions by members: Members listed all the best practices in their institute.

11. Any other matter

Suggestions by members: Nil



BOS Chairman



BOS Coordinator

Detailed - Minutes of Meeting - BT - BOS – June 10, 2021

S.No	Suggestion by Members	Suggested by
1.	Introduction of New Professional Electives: Human Physiology – The subject is focussed for the Biotechnology students exclusively and the subject don't contain any lab components. Concepts in Biochemistry would serve as a prerequisite. The syllabus content was framed by Dr. Sathish Kumar.	Dr. Jeyanthi, Dr. Rama Shanker Verma, Dr. Lipin Dev.
2.	Approval of QP setter – Panel members suggested that these matter should not be discussed in a forum and it is left to the COE discretion	All members
3.	Implementation of NEP 2020 : By promoting the research culture in the UG level the skill gap usually in industries can be addressed. Members felt that the syllabus and the knowledge level is totally mismatching. It was commented that the current syllabus was totally - a mechanism of scoring grades. More over the demonstration of the theoretical concept is lacking.	Dr. Jeyanthi Dr. Rama Shanker Verma Mrs. Suganya Devi
4.	Design of New curriculum – A draft curriculum for R22 should be prepared inline with AICTE guidelines.	Prof. Jeyanthi
5.	Electives are superficial and in depth content shall be provided. Less course and more knowledge part suggested. Each of the course seems to be advanced course but the prerequisite is questionable. Electives should be innovative.	Prof. Rama Shanker Verma
6.	A course on Energy Engineering can be included covering the industrial application and waste management. Suggested to include the subject in higher suggestion,	Mr. Dhayanand
7.	In PG, for semester 1 include one additional theory paper	Dr. Jeyanthi
8.	Best Practices : Inhouse training for GATE, Employment skill training and workshop on non-conventional practices, seed money for students proposal, Occupational health for both teaching and non-teaching suggested. A cell for student startup to be encouraged. Access to research facilities to be promoted.	Dr. Jeyanthi

Date: June 10 2021



BoS Coordinator



BOS Chairman
Venue - MS-Team

BT

BOS

Signature of the Panel Members

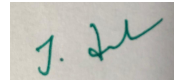
Dr. Ram K - BOS Coordinator - BT



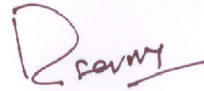
Dr. R. Baskar - Chairman - BOS



Dr. J. Jeyanthi - Anna University Nominee



Dr. Rama Sankar Verma, Subject Expert



Dr. Venkat Kumar, Subject Expert

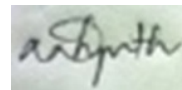
Dr. Lipin Dev, Expert from Industry



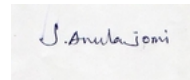
Mrs. Sukanya Devi , Special Invitee



Mr. N. Dayanand , Alumni -PG



Ms. Anula Jomi J , Alumni - UG



Ms. Abirami, Leadership Council - Super 60





KUMARAGURU COLLEGE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
COIMBATORE – 641 049

Ref: BT - BOS Meeting - Nov 2020	
Meeting	16th BOS Meeting - June 2021
Date / Time of meeting	10-06-2021 at 10.00 AM – 12.30 PM
Venue	Virtual Meeting - MS Teams
Panel Members	<ol style="list-style-type: none">1. Prof. J. Jeyanthi, Head , Dept. of Biotechnology, GCT-CBE2. Prof. Rama Sankar Verma , Dept of Biotechnology, IITM3. Prof. Venkat Kumar, Dept of Biological Sciences & Technology, VIT- Vellore4. Dr. Lipin Dev, Managing Director, VeeTee Ecogreen Pvt. Ltd, Angamaly, Kerala5. Mrs. Sukanya Devi, Asst. Prof, Dept of Textile Technology, KCT6. Mr. Dayanand, Research Scholar, Dept of Chemical Eng., NIT-Trichy7. Mr. Anula Jomi, B.Tech., Biotechnology Alumni8. Ms. Abirami, Leadership Council, Super-60

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr. R. Baskar	Associate Professor and Head	Present
2.	Dr. P. Ramalingam	Professor	Present
3.	Dr. N. Saraswathy	Professor	Present
4.	Dr. Vinohar Stephen Rapheal	Associate Professor	Present
5.	Dr. K. Kumaresan	Associate Professor	Present
6.	Dr. T. Sathishkumar	Assistant Professor-III	Present
7.	Dr. M. Shanmugaprasadh	Associate Professor	Present
8.	Mr. D. R. Manimaran	Assistant Professor (Sr.G)	Present
9.	Dr. S. Nithyapriya	Assistant Professor (Sr.G)	Present
10.	Mr. P. Muthukumaran	Assistant Professor-II	Present
11.	Dr. A. Thirumurugan	Assistant Professor -I	Present
12.	Dr. N. Sivarajasekar	Assistant Professor -II	Present
13.	Dr. K. Ram	Assistant Professor -II	Present
14.	Mrs. V. Veerabhuvaneshwari	Assistant Professor-I	Present
15.	Dr. K. Kumaravel	Assistant Professor-I	Present
Minutes Recorded by		Mrs. Veerabhuvaneshwari. V & Mr. P.Muthukumaran	


BOS Coordinator


HoD's Signature


Copy to: BOS File, Office Documentation



**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

**16th BOARD OF STUDIES MEETING
JUNE 10, 2021
ATTENDANCE DETAILS OF EXTERNAL MEMBERS**

Name of the Board: B.TECH & M.TECH BIOTECHNOLOGY

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Digital Signature
1.	Dr. J. Jeyanthi	Anna University Nominee	Professor and Head, Department of Industrial Biotechnology, Govt. College of Technology, Coimbatore Email: jeyanthi@gct.ac.in Mobile: 9843644570	
2.	Dr. Rama Sankar Verma	Subject Expert	Professor, Department of Biotechnology , IIT-Madras	
3.	Dr. S. Venkat Kumar	Subject Expert	Associate Professor, Department of Biotechnology, School of Biological Sciences and Technology, Vellore Institute of Technology, Vellore. Email: venkatkumars@vit.ac.in Mobile: 9894698150	Absent
4.	Dr. Lipin Dev	Subject Expert	Managing Director Vee Tee Ecogreen Pvt Ltd, Angamaly, Kerala Email: lipindev@gmail.com Mobile: 8903621656	
5.	Mrs. R. Sukanya Devi	Special Invitee	Assistant Professor- I Department of Textile Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9003944133 Email: sukanyadevi.r.txt@kct.ac.in	
6.	Mr. N. Dhayanand	Alumni Member-PG	Research Associate, Dept of Chemical Engineering, NIT-Trichy Mobile:	





**KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE - 641 049**

			Email:9488389024 dhaya2bio@gmail.com	
6.	Ms. Anula Jomi	Alumni Member- UG	Department of Biotechnology Kumaraguru College of Technology, Coimbatore Email: anulajomi.19mbt@kct.ac.in	
7.	Ms. S.K. Abirami	Special Invitee	BBT-3, Super-60 member Department of Biotechnology, Kumaraguru College of Technology, Coimbatore Mobile: 9488994454; Email: abirami.17bt@kct.ac.in	



BOS - Coordinator



BOS - Chairman



BOARD OF STUDIES MEETING

Department: Biotechnology

Program: B.Tech Biotechnology

Venue: MS-Team

Date: June 10, 2021

Time: 10:00AM to 12:30 PM

AGENDA

1. Welcome and Introduction by Chairman & BOS-Coordinator
2. Action Taken Report on Previous BoS Meeting
3. Introduction of New One Credit Courses / Programme Electives / Open Electives Addition of New Lab Experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institution
11. Any other matter (with the permission of Chairman, BoS)

Date: June 10, 2021

BOS Coordinator

Venue - MS-Team



MINUTES OF BOARD OF STUDIES MEETING

Department: BIOTECHNOLOGY

Program: B.TECH BIOTECHNOLOGY

Venue: Virtual Meet – MS TEAMS

Date: June 10, 2021

Time: 10.00 AM – 12. 30 PM

1. Welcome note and introduction of members by chairperson
 - Dr. Baskar , Head & Assoc. Prof welcomed the panel members.

2. Action Taken Report on Previous BoS Meeting

Action taken report for the previous BOS held in Nov 2020 was presented by BOS Coordinator. The report was addressed in two parts – Comments that require immediate action and comments that will be implemented in the next regulation.

Suggestions by members: No comments

3. Introduction of New One Credit Courses / Programme Electives / Open Electives Addition of New Lab Experiments in R2018 Courses

On the basis of the feedback from the stakeholders the following Professional Electives were proposed and presented for the BOS members approval

1. Chemistry of Natural Products
2. Human Physiology
3. Novel Food Packaging

Suggestions by members: Approved for implementation in R18 UG

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The stakeholder's feedback was presented by Mr. P. Muthukumaran. Improvement in the feedback was individually addressed.

Suggestions by members:

5. Targets for CO / PO for Academic Year 2021-22

Prof. N. Saraswathy (PAC Coordinator -UG) presented the PO attained for the current batch and the target for the upcoming batch.

Prof. P. Ramalingam (PAC Coordinator -PG) presented the PO attained for the current batch and the target for the upcoming batch.

Suggestions by members: Suggestions was given to raise the PO target to a higher value as the present batch attainment was higher than the target value.

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Suggestions by members: Its confidential matter and left to COE discretion.

7. Members Recommendations for Implementing NEP 2020

Prof. R. Baskar presented the salient highlights of the NEP 2020.

Suggestions by members: Research culture, skill gap should be identified at UG level. Members felt that the grades and knowledge level of the student is mismatching

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

Suggestions for new curriculum was presented by Dr. Ram .

Suggestions by members:

A draft curriculum to be made from the scratch and then presented in a separate BOS.

Bioorganic Chemistry may be removed and offer Genetic Engineering and Genomics separately.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

Infrastructure up gradation was presented by Dr. Ram .

Suggestions by members: High end equipment should be used for research purpose.

10. Best Practices followed in (External) Member's Institution

Best Practices followed in KCT was elaborated by Mr. Muthukumaran. Practices like Project based learning, One-credit industry based course, Embedded course mode of teaching, Utilization of Simulation software and programming skill in lab

Suggestions by members: Members listed all the best practices in their institute.

11. Any other matter

Suggestions by members: Nil

Detailed - Minutes of Meeting - BT - BOS – June 10, 2021

S.No	Suggestion by Members	Suggested by
1.	Introduction of New Professional Electives: Human Physiology – The subject is focussed for the Biotechnology students exclusively and the subject don't contain any lab components. Concepts in Biochemistry would serve as a prerequisite. The syllabus content was framed by Dr. Sathish Kumar.	Dr. Jeyanthi, Dr. Rama Shanker Verma, Dr. Lipin Dev.
2.	Introduction of New Professional Electives: Chemistry of Natural Products: Recommendations for industrial visit to herbal garden, pharmaceutical industries. The subject can be offered in semester - 6. The syllabus content was framed by Dr. Sathish Kumar.	Dr. Jeyanthi and Prof. R. Baskar
3.	Introduction of New Professional Electives: Novel Food Packaging: Unit 5 – Concepts on Recycling methods and Biodegradable material should be highlighted. Regulatory guidelines and government norm for production of packaging material to be included in the syllabus. Recommendation to include the regulatory guideline in the Unit 1. The case studies can be included in any of the three units. The syllabus content was framed by Dr. Nithya Priya	Dr. Jeyanthi Dr. Lipin Dev Dr. Ramalingam
4.	Prof. Jeyanthi suggested to raise the PO target for the UG since the current batch has already attained an average target of 75. However, to observe the consistency in attainment of PO for the next three batches the target was fixed to 75 and was not raised much higher.	Dr. Jeyanthi Dr. Sathish Kumar
5.	Approval of QP setter – Panel members suggested that these matter should not be discussed in a forum and it is left to the COE discretion	All members
6.	Implementation of NEP 2020 : By promoting the research culture in the UG level the skill gap usually in industries can be addressed. Members felt that the syllabus and the knowledge level is totally mismatching. It was commented that the current syllabus was totally - a mechanism of scoring grades. More over the demonstration of the theoretical concept is lacking.	Dr. Jeyanthi Dr. Rama Shanker Verma Mrs. Suganya Devi
7.	Design of New curriculum – A draft curriculum for R22 should be prepared inline with the AICTE guidelines. Biorganic Chemistry can be replaced with Genetic Engineering and Genomic separately.	Prof. Jeyanthi
8.	Electives are superficial and in depth content shall be provided. Less course and more knowledge part suggested. Each of the course seems to be advanced course but the prerequisite is questionable.	Prof. Rama Shanker Verma

10, June 2021

BOS Coordinator



Chairman

	Electives should be innovative.	
9.	A course on Waste Management can be included in the electives in UG	Dr. Jeyanthi
10.	A course on Energy Engineering can be included covering the industrial application and waste management. Suggested to include the subject in higher suggestion,	Mr. Dhayanand
11.	Basics of Medical Coding can be included as One-credit course	Dr. Jeyanthi
12.	Course like Cell Biology, Biomolecules, Molecular Biology should be dealt in detail and with more fundamental knowledge	Dr. Lipin Dev
13.	Best Practices : Inhouse training for GATE, Employment skill training and workshop on non-conventional practices, seed money for students proposal, Occupational health for both teaching and non-teaching suggested. A cell for student startup to be encouraged. Access to research facilities to be promoted.	Dr. Jeyanthi

BT

BOS

Signature of the Panel Members

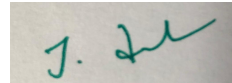
Dr. Ram K - BOS Coordinator - BT



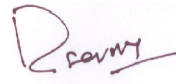
Dr. R. Baskar - Chairman - BOS



Dr. J. Jeyanthi - Anna University Nominee



Dr. Rama Sankar Verma, Subject Expert



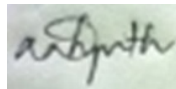
Dr. Venkat Kumar, Subject Expert



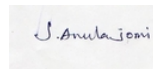
Dr. Lipin Dev, Expert from Industry



Mrs. Sukanya Devi , Special Invitee



Mr. N. Dayanand , Alumni -PG



Ms. Anula Jomi J , Alumni - UG

S.K. Abisani

Ms. Abirami, Leadership Council - Super 60



10, June 2021

BOS Coordinator



Chairman

Programme: B.E. Civil Engineering/ M.E. Structural Engineering/ M.E. Environmental Engineering/ M.E. Construction Management.

- 1. Welcome note and Action Taken Report by the Chairman/BoS.**
- 2. Stake holders' feedback and Targets for CO / PO for Academic Year 2021-22**

Presentation on PAC and DAB Meeting minutes were deliberated by the respective coordinators.
Tentative list of new Electives to be offered in next curriculum was presented.
- 3. Approval of Examiners for QP Setting / Lab Exams for AY 2021-22**
 - Allotting QP Setters based on their experience from leading institutions were presented by the Chairman/BoS
 - Internal QP Setting by the course handling faculty based on the institutional autonomy was suggested.
- 4. Members Recommendations for Implementing NEP 2020**
 - The curriculum for the forthcoming regulation was suggested to be framed towards employability, multidisciplinary aspects, emerging areas (AI& VI, 3D Printing, Lean Design, Sustainability)
 - Department can have minor specialization.
- 5. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)**

The following suggestions were made by the committee members for updating the syllabus:

 - To Conduct Value Added Course with industry experts atleast once in a semester.
 - a) Green Building Concepts (Including International standards)
 - b) Real Estate Practices.
 - c) Sustainable management.
 - d) Lean Construction Design and Practice.
 - e) Tunnel Engineering.
 - f) Supply Chain Management.
 - g) Fabrication Details Drawing.
 - The students to be prepared for entrepreneurship (UG – Basic fundamentals: PG-Course specialization)
 - Suggestion on EdTech eLearning forum on credit basis.
 - PEO statements can address the students as graduates.
- 6. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.**
 - Basics of Plumbing, scaffolding, formwork, carpentry, and basic electrical lab can be introduced.
 - More number of industrialized webinar/ workshops should be organized for the benefits of internal students.

- All the core courses should be completed by sixth semester (UG)
- Design Build Studio to collaborative a multidisciplinary environment with the following aspects
 - a) Offsite and Onsite Product design.
 - b) Prefabricated Volumetric Building construction.
 - c) BIM 6.0.
 - d) Plug and Play Design.
 - e) Faculty Awareness and student Training.
- Students to be familiarized with Steel Structure construction along with updates on all design codes and industrial visit.
- Focus on Nano technology, plumbing and sanitary division, design of big municipal WTP & STP, Energy and environment, building physics and thermal comfort, LEED Credit system were emphasized.

7. Best Practices followed in (External) Member's Institutions

- Industry expert lecture as a part of courses in curriculum.
- Organisation of Hackathon and industrial problem solving skill events by Inviting industrial expert as evaluators.
- 10% to 20% weightage of Event evaluation can be credited with the respective course assignment.
- Project/Poster Presentation/ Product exhibition as open day initiative by inviting school kids, Parents, Alumni & Industrial Expert to be encourage .

8. Course Assessment

- NPTEL Courses offered to the students to be credited with 80% of syllabus mapping.
- MOOC Course are to be offered as open elective courses.

The meeting ended with formal thank note for BoS Members for their valuable suggestion and inputs.

Minutes recorded by,
Dr. A. Geethakarathi
Mr. Satheesh Kumar KRP
Mr. P. A. Prabakaran



Chairman BoS
HoD/Civil



Subject Expert
(Dr. S. Shanthakumar)



MuthuKumarD
MuthuKumarD (Jun 21, 2021 17:15 GMT+5.5)

Expert from Corporate
(Er. Muthukumar Dorairaj)



Dinesh
Dinesh (Jun 30, 2021 09:16 GMT+5.5)

Alumni
(Er. Dinesh N)



Special Invitee (Structural Engg.)
(Er. V. Sriraman)



Special Invitee (Construction Mgmt.)
(Er. K. K. Prasanna)



Sathyaranayan Sridhar R (Jun 30, 2021 10:56 GMT+5.5)

Anna University Nominee
(Dr. R. Sathyaranayan Sridhar)












19th BoS MoM


Final Audit Report

2021-06-30

Created:	2021-06-14
By:	SATHEESH KUMAR K R P (satheeshkumar.krp.ce@kct.ac.in)
Status:	Signed
Transaction ID:	CBJCHBCAABAAu0yMka2rS80JNvgDcCWd6wtoR1A2vcS0

"19th BoS MoM" History

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Signature Date: 2021-06-30 - 5:26:41 AM GMT - Time Source: server- IP address: 122.178.216.229

 Agreement completed.

2021-06-30 - 5:26:41 AM GMT

**KUMARAGURU COLLEGE OF TECHNOLOGY****COIMBATORE– 641 049****(An Autonomous Institution Affiliated to Anna University, Chennai)****MINUTES OF BOARD OF STUDIES MEETING**
-----**Department: COMPUTER SCIENCE AND ENGINEERING****Program: PG****Venue: Virtual (Ms Teams)****Date: 12.06.2021****Time: 09.30 AM**

The Virtual 18th Board of Studies meeting for Computer Science and Engineering was held on June 12, 2021 at 9.30 am. It was chaired by Dr. P. Devaki, Chairman – BoS for M.E. Computer Science and Engineering Programme. The Chairman informed that the meeting has been called to review the updates like, ATR, inclusion of new courses, target for CO/PO, Panel of examiners, etc. The following external members, module coordinators, internal members, and student representatives were present.

External Members

1. Prof. Hema Gopal, Anna University Nominee, Former Vice President, Tata Consultancy Service
2. Dr. P. Santhi Thilagam, Professor, Department of Computer Science and Engineering, National Institute of Technology, Surathkal.
3. Prof. Ramachandran V, Ex, Vice-Chancellor, Anna University, Trichy Campus
4. Dr. Salaja Silas, Associate Professor, Dept. of Computer Technology, Karunya Institute of Technology & Science, Coimbatore
5. Mr. Arun Pratap A, Specialist, Robert Bosch Engineering and Business Solutions, Coimbatore
6. Mr. Praveen Subramani, Principal Engineer, Data Analytics Practice, TEK systems Global Services Pvt Ltd, Bangalore
7. Mr. Dorai Thodla, Founder & CTO, Technology Strategies LLC
8. Mr. Gokul Kumar K, Co-founder & CTO, Vusar, California Executive Consultant, Forge
9. Mr. Sivan Ammamuthu, Delivery Head - FS Switzerland Continental Europe Financial Services.

Module Coordinators

1. Dr. K. R. Baskaran, Professor/CSE, PG BoS Convenor
2. Dr. L. Latha, Professor/CSE

3. Dr. S. Rajini, Associate Professor/CSE
4. Dr. V. P. Sumathi, Associate Professor/CSE
5. Dr. S. J. Syed Ali Fathima, Assistant professor/CSE

Internal Members

1. Dr. P. Devaki, Professor & Head, BoS Chairman
2. Dr. J. Cynthia, Professor/CSE
3. Dr. N. Suganthi, Professor/CSE
4. Dr. E. A. Vimal, ASP/CSE
5. Dr. D. Sathya, AP-II/CSE
6. Dr. V. Sudha, AP-II, UG BOS Convener/CSE
7. Ms. C. Bharathi Priya, AP/CSE
8. Mr. S.P. Siddique Ibrahim, AP/CSE
9. Ms. S. Nithya Roopa, AP/CSE
10. Ms. D. Aswini, AP/CSE
11. Mr. V. Senthil Kumar, AP/CSE
12. Ms. X. Francis Jency, AP/CSE
13. Mr. G. Kanagaraj, AP/CSE
14. Ms. D. Yamunathangam, AP/CSE
15. Ms. N. Jeba, AP/CSE
16. Mr. R. Kirubakaran, AP/CSE
17. Dr. S. Selvanayaki, AP (SRG)/SFS

Student Representatives

1. Ms. Shanmathi J (18MCS004)
2. Ms.E.Harshini Priyaa (20MCS002)

Dr. P. Devaki, BoS Chairman welcomed and introduced the BoS members for the 18th BoS meeting of the PG Department of Computer Science and Engineering. She handed over the presentation to Dr. K.R.Baskaran, BoS Convener. He started the presentation with brief introduction to the Program Outcomes of M.E – Computer Science and Engineering, followed by the agenda of the meeting which included ATR of previous Board of Studies (BoS) held on November 18th 2020. While discussing about the ATR, he explained that the comments given by the BoS members in the previous meeting would be incorporated in the R22 curriculum and syllabi. The targets for CO and PO attainments were decided by getting feedback from Department Advisory Board members.

The following were the targets finalized for CO and PO attainments of ME-CSE:

- **Targets for Course Outcomes (COs)**

Individual COs in a course have different targets based on the knowledge level
(Minimum: 55% to maximum: 80%)

- **Targets for Programme Outcomes (POs)**

PO1- PO4: Level 2 (between 50% and 80%)

The calculated PO attainment (Direct method) of 2018- 2020 batch students was
at level 2 with most of the POs having attainment greater than 70%.

Finally, the meeting ended up with a thank you note by Dr. P. Devaki, BoS-Chairman. She thanked all the members for their suggestions and substantial inputs provided in the meeting. The following are the suggestions given by the members.



Curriculum - balance of courses as per domain, pre-requisites:

1. For the course “Agile Software Development and Usability Engineering”, the Convenor said that title would be changed to “Agile Software Development”. The external members said topics related to “Usability Engineering” should not be excluded from the syllabus as they are important. Topics such as “Front end Development” and “UI/UX design” could be added. Prof. Devaki replied that the necessary changes would be carried out during the R22 syllabus revision.

S. Devaki.

Dr.P.Devaki,

HoD/CSE and BoS Chairman

Name	Signature
Prof. Hema Gopal (Anna University Nominee)	
Dr. P. Santhi Thilagam (Academic Expert)	

Prof. Ramachandran. V (Academic Expert)	<i>Rmb</i> <i>30/6/2021</i>
Dr. Salaja Silas (Academic Expert)	<i>Salaja Silas</i>
Mr. A. Arun Pratap (Expert from Industry)	<i>A.A.</i>
Mr. Praveen Subramani (Expert from Industry)	Praveen Subramani
Mr. Dorai Thodla (Expert from Industry)	<i>Dorai</i>
Gokul Kumar.K (Expert from Industry)	<i>gokul kolandavel</i>
Mr. Sivan Ammamuthu (Industry Expert)	<i>As</i>
Dr. S. Selvanayagi (Faculty member from allied department)	<i>S. Selph</i>

Distribution

1. All members-with request to give their comments on the minutes
2. Convener

Copy for kind information

1. Chairman-Academic Council and Principal
2. Correspondent
3. Joint Correspondent

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16. Mr. R. Kirubakaran, AP/CSE
17. Dr. S. Selvanayaki, AP (SRG)/SFS

Student Representatives

1. Ms. Reena Dharshini S (18BCS099)
2. Ms. Lokeshwaran N G (18BCS072)

Dr. P. Devaki, BoS chairman welcomed and introduced the BoS members for the 18th BoS meeting of the Department of Computer science and Engineering. She handed over the presentation to Dr. V. Sudha, BoS Convener. She started the presentation with the summary of action taken report of previous BoS meeting. Followed by that, new one credit and protosem courses (programme electives) were presented. The panel of examiners for theory and laboratory courses for the AY 2021-2022 were presented. The targets for CO, PO & PSO attainment decided by getting feedbacks from Department Advisory Board members were discussed. The following were the targets finalized for CO, PO and PSO.

- **Targets for Course Outcomes (COs)**

Individual CO in a course has different target based on the knowledge level (minimum: 55% to maximum: 80%)

- **Targets for Programme Outcomes (POs)**

PO1- PO5 : Level 3 ($\geq 80\%$)

PO6 - PO12 : Level 2 (50% to 80%)

- **Targets for PSOs**

PSOs 1, 2 and 3: Level 2 (50% to 80%)

Finally, the meeting ended up with a thank you note by Dr. P. Devaki, BoS-Chairman. The Chairman thanked all the members for their suggestions and substantial inputs provided in the meeting. The following are the points discussed in the meeting.

Syllabus – updation and relevance to industrial, career requirement

List of one credit courses suggested for skill upgradation of the student is presented to the members. Followed by it, the course equivalence for the protosem courses were presented and the BoS members approved the same.

One credit courses

Course Code	Course Name
U18CSIN001	Cyber Forensics
U18CSIN002	Augmented Reality
U18CSIN003	Web Application Development using NodeJS

Protosem courses

Protosem Courses			Course Equivalence
S.No	Course Code	Course Name	R18
1	U18CSPS11	Applied Design Thinking	
2	U18CSPS17	Startup Fundamentals	Open Elective – II
3	U18CSPS23	Computational Hardware	Programme Elective- II
4	U18CSPS24	Coding for Innovators	
5	U18CSPS25	Prototype Development	Programme Elective- III
6	U18CSPS28	Data Life Cycle Management	Programme Elective- IV
7	U18CSPS29	ML/MLOps	


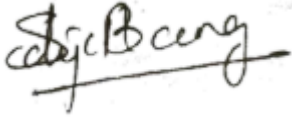


Course Delivery - Mode and effectiveness:


The innovative teaching learning and assessment methods followed by the faculty members were discussed.

S. Devaki.

Dr.P.Devaki,

HoD/CSE and BoS Chairman

Name	Signature
Prof. Hema Gopal (Anna University Nominee)	
Dr. P. Santhi Thilagam (Academic Expert)	
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Gokul Kumar.K (Expert from Industry)	gokul kolandavel
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Dr. S. Selvanayagi (Faculty member from allied department)	
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Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



MINUTES OF BOARD OF STUDIES MEETING - JUNE 2021

Department: Electronics and Communication Engineering

Programme: B.E Electronics and Communication Engineering

M.E Communication Systems

Venue: Online mode – MS TEAMS

Date: 5th June 2021

Time: 2:00 PM – 4:00 PM

Board of Studies Composition (as per UGC Recommendations)

S. No	Name	Designation as per UGC	Designation / Affiliation
1.	Dr. S. A. Pasupathy, Head of the Department	Chairperson	Professor and Head, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.
2.	Dr. B. Gopinath BoS Coordinator – UG Dr. M. Bharathi, BoS Coordinator – PG Dr. K. Kavitha, R18/R17 Curriculum/Syllabus Incharge All Faculty Members	Members	Associate Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049. Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.
3.	Dr. C. Vasanthanayaki	University Nominee	Professor and Head, Department of Electronics and Communication Engineering, Government College of Engineering, Salem–636011.
4.	Dr. K. S. Geetha	Subject Expert	Professor and Head, Department of Electronics and Communication Engineering, R V college of Engineering, Bengaluru-560059

5.	Dr. M. S. Sudhakar	Subject Expert	Associate Professor, School of Electronics Engineering (SENSE), VIT Vellore, Vellore-632014
6.	Mr. S. Chella Kumar	Expert from Industry	Staff CAD Engineer, Infinera India Pvt. Ltd., Bengaluru-560025
7.	Mr. A. Chandramouli	Alumni Member with PG qualification	Research Scientist, EMC division, SAMEER-Centre for Electromagnetics, 2 nd cross road, CIT campus, Taramani, Chennai-641113
8.	Mr. P. Nithyanandham	Alumni Member with PG qualification	Technical Specialist, Infosys, Bengaluru.
9.	Dr. V. Vanitha	Faculty member from allied department - Special Invitee	Professor, Department of Information Technology, Kumaraguru College of Technology, Coimbatore-641049.
10.	Ms. S. Sukirtha	Students from Department Association	17BEC036, DA Member, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.
11.	Mr. A. Adarsh	Student from F40	18BEC095, F40 Member, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.

1. Welcome Note and Action Taken Report on previous BoS meeting

- Dr.K.Kavitha, Professor delivered the welcome address and introduced the BoS members.
- She presented the previous 17th BoS meeting Action Taken Report and all the suggestions given by the BoS members were incorporated in undergraduate R18 Syllabus.
- The end semester examination results and CO-PO attainments were reported as the outcomes of Programme Assessment Committee (PAC) and Department advisory board (DAB) meetings.
- The feedbacks obtained about Curriculum and Syllabus of R18 from faculty members, students and alumni members were also discussed. It was concluded that no major revisions were required in Curriculum and Syllabus of R18.

2. Introduction of New Programme Electives / Open Electives

- A new Professional Elective Course entitled “U18ECE0056 - Multicore Architecture and Programming for Embedded Systems” was introduced under Embedded Systems Bucket in association with Robert Bosch.
- A new Open Elective Course entitled “18ECO0005 - Introduction to Neural Networks and Deep Learning” was introduced.
- A revision in PROTOSEM (Prototyping Semester) courses was done by the FORGE Incubator and suitable mapping has been done in R18.
- **Suggestions by Members:** Dr. M. S. Sudhakar, Subject Expert pointed out to eliminate the abbreviation “aka” (also known as) in “U18ECE0056 - Multicore Architecture and Programming for Embedded Systems”.

Response: The BoS Coordinator accepted the suggestion, and the abbreviation was removed in the revised course syllabus.

- **Suggestions by Members:** Dr. M. S. Sudhakar, Subject Expert suggested that the module 5 of the course “18ECO0005 - Introduction to Neural Networks and Deep Learning” has to be revised. He also asked clarification on assessment pattern.

Response: The subject handling faculty member Dr.S.Sasikala, Associate Professor responded for the query and accepted to revise the content and assessment pattern.

3. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery

- Dr.B.Gopinath, Associate Professor summarised about various online tools used in the campus such as, MyCAMU, MS-TEAMS, MS-OUTLOOK, MS-FORMS, Onedrive and Examly platforms and requested the panel members to give inputs towards upgradation of infrastructure / teaching aids to aid content delivery.
- **Suggestions by Members:** BoS members expressed their views on online tools. They asked about the procedure of conducting online examinations through Examly portal. Dr.M.S.Sudhakar shared his experience on conducting online proctored examinations at VIT Vellore campus using CodeTantra and question paper pattern used.

Response: Dr.A.Amsaveni, Professor explained the procedure of conducting End Semester Examinations through Examly portal. Mr. P. Nithyanandham, Alumni member and Ms.S.Sukirtha, Final Year student also shared their experience on Examly portal.

- **Suggestions by Members:** Dr. K. S. Geetha, Subject Expert asked about the identification of malpractices in AI protected online examinations.

Response: Dr.A.Amsaveni, Professor explained about the warning settings and maximum limitations of the warnings. Mr. P. Nithyanandham, Alumni member and Ms.S.Sukirtha, Final Year student also shared their experience on Examly portal.

- **Suggestions by Members:** Dr. C. Vasanthanayaki, Anna University nominee suggested to use the tools, assessment methods and question paper pattern as per the autonomous norms and the guidelines of Anna University.

Response: Dr.K.Kavitha, Professor, Dr.A.Amsaveni, Professor and other members confirmed that the institution is following the norms of Anna University in all respect.

- **Suggestions by Members:** Dr. C. Vasanthanayaki, Anna University nominee enquired about the conduction of end semester practical examination and sharing of recorded videos to students.

Response: Dr.K.Kavitha, Professor and Dr.A.Amsaveni, Professor explained about the procedure followed in conduction of online practical examination and sharing of recorded videos to students.

4. Members' suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

- The existing modules of R18 regulation were presented and the possible domains to be included for the new curriculum and syllabi under Regulations 2022 were discussed.
- **Suggestions by Members:** Dr.K.S.Geetha, Subject Expert suggested that the existing fundamental modules could be blended with latest developments such as Artificial Intelligence, Robotics, Embedded Systems-IoT, AR & VR and applications while developing new curriculum and syllabi. Mr.S.Chella Kumar, Industry Expert suggested to give more attention on Artificial Intelligence and IoT related components for the new curriculum design. Dr. M. S. Sudhakar, Subject Expert suggested that the courses related to the domains Artificial Intelligence and IoT might be narrow and decomposed. Ms.S.Sukirtha, Final Year student suggested to introduce the courses with real-time applications.

5. Introduction of New M.Tech. Programme - Information Technology (Artificial Intelligence and Robotics)

- Dr.B.Gopinath, Associate Professor introduced the curriculum of the new M.Tech. Programme in Information Technology (Artificial Intelligence and Robotics) and the facilities of the department to host the PG programme with a specialisation of Artificial Intelligence and Robotics.


- **Suggestions by Members:** Dr.M.S.Sudhakar, Subject Expert suggested few corrections in the curriculum.

Response: Dr.B.Gopinath, Associate Professor assured to incorporate the suggestions in the curriculum. Dr.S.A.Pasupathy, Professor & Head of the department added few points related to the new PG programme.

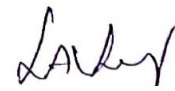
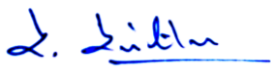

6. Members' recommendations for implementing NEP 2020





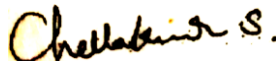

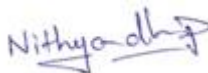



- The salient points related to National Education Policy 2020 for curriculum development were discussed.
 - Skill development based curriculum
 - Attention towards AI, IoT, Industry 4.0
 - Upgradation of faculty members and students
 - Synchronization between academia and industry

7. The BoS Coordinator proposed vote of thanks and concluded the meeting.


Dr.S.A.PASUPATHY

HoD/ECE
Professor & Head
Dept.of Electronics and Communication Engg.
Kumaraguru College of Technology
Coimbatore – 641 049.

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2.	Dr. K. Kavitha, R18/R17 Curriculum/Syllabus Incharge	Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	
3.	Dr. M. Bharathi, BoS Coordinator – PG	Professor, Department of Electronics and Communication Engineering, Kumaraguru College of Technology, Coimbatore-641049.	

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

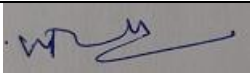

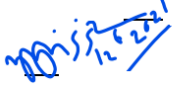

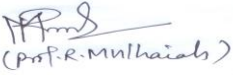




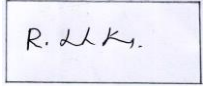

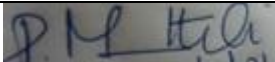
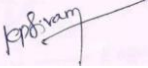
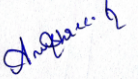


BOS MINUTES OF MEETING


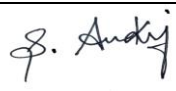
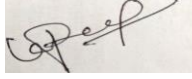

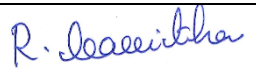


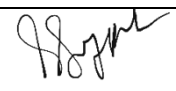

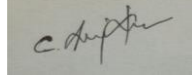
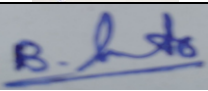
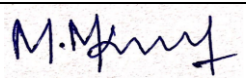
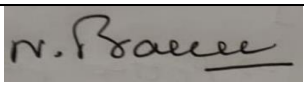
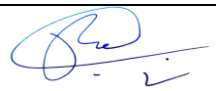
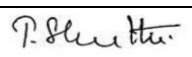
Venue – Online meeting – MS TEAMS

12.06.2021/11.00 am – 12.30 pm

Discussed on the following:

- Action Taken Report on Previous BoS Meeting
- Introduction of New Professional Electives / Open Electives / One Credit Courses
- Addition of New Lab Experiments in R2018 Courses
- Stakeholder's feedback and the changes recommended on (i) Vision-Mission Statements, (ii) PEO/PSO, (iii) Innovative Teaching / Learning / Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Approval of Panel of Examiners for AY 2021-22
- Members Recommendations for Implementing NEP 2020
- Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
- Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Best Practices followed in (External) Member's Institutions

Participants of the meeting			
Name & Organization	Signature	Name & Organization	Signature
Dr K.Ranjith Kumar, GCT, Coimbatore		Mr Ramprabu J KCT	
Dr.S.Moorthi, NIT, Trichy		Dr Vinoth Kumar N KCT	
Dr R.Muthiah, SASTRA, Thanjavur	 (Prof.R.Muthiah)	Ms Sandhya Devi R S KCNVK, T	
Dr Shriram Vasudevan, Amrita, Coimbatore		Dr Kaliappan S KCT	
Mr.K.Gangadharan, Robert Bosch, Coimbatore		Mr Suresh Kumar R KCT	
Dr.K.Malarvizhi, KCT		Ms Maithili P KCT	
Dr.K.Paramasivam, KCT		Ms Anushree G KCT	
Dr.P.Thirumoorthi, KCT		Mr Balaji V R KCT	

Dr.V.Kandasamy, KCT		Mr Arunkumar S KCT	
Dr.K.Premalatha, KCT		Mr Mohana Sundaram N KCT	
Dr.R.Kavitha, KCT		Mr Viswanathan T KCT	
Dr.M.Mohanraj, KCT		Mr Suryaprakash S KCT	
Dr Udhaya Shankar C KCT		Mr Sasi Kumar C KCT	
Dr Karunamoorthy B, KCT		Mr.M.Mathankumar, KCT	
Dr N Prakash, KCT		Mr Prakash Ganesan, III BE EEE	
Ms Shanthi T KCT			

Dr.K.Ranjith Kumar, Anna University Nominee

- Suggested to include Block Chain Technology, Cyber Security, Augmented Reality & Virtual Reality as Professional Elective Course.
- Block Chain Technology & Cybersecurity course can be included as Open Elective Course.
- Suggested to increase the percentage of CO Target
- For laboratory experiments, GCT tied-up with Industry & completed the experiments with the help of KITS. Different readings are taken with the help of industry persons.
- The topic wise Lecture Videos was recorded and uploaded in the You Tube. The respective links of those videos has been shared to DOTE to share with other government institutions.
- To improve the GATE score & promote the higher studies, one or two faculties from each department has allocated to record the lecture videos related to the GATE syllabus and those videos were shared with the students.

Dr.S.Moorthi, Academic Expert

- Suggested to name either Introduction to Machine Learning or Artificial Intelligence for one credit courses
- HDL programming can be added as one credit course instead of VHDL/Verilog
- Tinker CAD can be used for teaching Electronic Circuit Lab
- Power Electronics, Electrical Machines and Power Systems courses can be taught using demonstration videos and MATLAB simulation
- Content Delivery Sessions should be recorded, and elaborated materials can be given to students with Flip class

- Hands on Practical Test can be conducted for courses like Digital Electronics and End semesters will be conducted with multiple choice questions and descriptive type.
- Questions should be randomly distributed among students with equal difficulty level.

Dr.R.Muthaiah, Academic Expert

- Block chain technology and cyber security, RUST programming subjects can be included in Open Electives.
- FPGA Architecture/ FPGA based system design for Embedded systems course can be included in Professional Electives.
- Explained about their institution’s teaching learning methods
- VHDL and Verilog one credit courses can be clubbed as HDL programming.
- Human/Global values courses can be added as electives.

Dr Shiram Vasudevan, Academic Expert

- Suggested to include Introduction to RUST Programming as professional elective course.
- Suggested to offer Introduction to ML or Introduction to AI separately.
- Suggested to use Tinker CAD software for sensor and simulation-oriented courses.
- Suggested to create an awareness on "Git" open-source tool usage among students. (Programming course learning).
- All the future recruitment pattern is moved to Hackathon, Ideathon, etc. So, he suggested to conduct more Hackathon for students and offer some benefits/credits to those who have won in it.

Mr.K.Gangadharan, Industry Expert/Alumni

- The courses under professional electives and open electives were reviewed by the experts and found it satisfied.
- Suggested to change the first Mission statement as to empower the students with state-of -art technology /skills instead of state -of-art knowledge.
- Suggested to conduct live microcontroller programming based on switches and relay boards to visualize and access remote target system
- Suggested to make students practice and working with GITHUB tools

Based on the suggestions and recommendations from the experts, the following courses are included in the R2018 curriculum from academic year 2021-2022.

Professional Electives	
U18EEE0015	Drives for Electric Vehicle
U18EEE0016	Sensing Techniques and Sensor Systems
U18EEE0017	Biomedical Instrumentation
U18EEE0018	Industry 4.0
One Credit Courses	
U18EEC0007	HDL programming

A handwritten signature in black ink, appearing to be 'Samuel'.

BoS Coordinator

A handwritten signature in black ink, appearing to be 'Crosby'.

HoD/EEE



KUMARAGURU COLLEGE OF TECHNOLOGY COIMBATORE – 641 049

BOARD OF STUDIES MEETING

Department: Electronics & Instrumentation Engineering

Program: BE (Electronics & Instrumentation Engineering)

Online Platform: MS Teams

Date: 10.06.2021

Time: 10.30 AM – 12.30 PM

1. BOS – Chairperson, Dr. K. K. Anilkumar welcomed the BOS External experts and introduced the internal BOS members.
2. Professor Dr.P.S.Mayurappriyan presented the following to BOS members
 - a. Vision, Mission, PEOs, POs, and PSOs of the Department.
 - b. CO Attainment and PO Attainment for the year 2019-2020 and target for the year 2021-2022
 - c. Teaching and learning methodologies in online mode.
3. Mrs.V.Manimekalai presented the following to BOS members
 - a. Department Highlights for the year 2020-2021
 - b. Department Activities (Workshop/Training/FDP/Guest Lecture/Seminar) to be organised for the year 2021-2022
 - c. Inclusion of newly added Professional electives and syllabus revision in R2018.
 - d. Proposed R2022 curriculum
4. **Curriculum – Balance of Courses as per Domain, Pre-requisites**

Name of the Member	Suggestions	Action Taken
Dr. G. Uma	To include the elective course Safety Instrumental Systems in curriculum	Shall be incorporated in R2022
Dr.D. Angeline Vijula	Professional Ethics and EVS course shall be given credits since it is required for the calculation PO attainment	Shall be incorporated based on recommendation from DOA
Dr. G. Uma	Optical instrumentation shall be offered in 6 th or 7 th semester since it covers the GATE syllabus.	Incorporated

3. Syllabus – Updating and Relevance to Industrial, Career Requirement

Name of the Member	Suggestions	Points Incorporated or Not
Mr. V. Shanmugaraj	To include the topic hydrogen fuel cell in the course Hybrid electric vehicles	Incorporated
Mr. V. Shanmugaraj	To include the topic Serial real time communication systems (SERCOS) in the course Optical Instrumentation	Incorporated
Dr.K.Paramasivam	To modify the elective course VLSI Design	Incorporated
Mr. V. Shanmugaraj	To include the topic Edge computing in the course Industry 4.0	Incorporated
Mr. V. Shanmugaraj	The topic Transduction principles are important in industries and shall be included in the course Sensors and Measurements	Incorporated

Curriculum Electronics and Instrumentation Engineering (Proposed - R2022)

Dr.K.Dhanalakshmi	To include the course Signals and systems before 4 th Semester	Incorporated
Dr.D. Angeline Vijula	To check the prerequisite of Professional Elective courses if it is going to be offered in 4 th semester	Incorporated
Dr.K.Dhanalakshmi	To include one control related course in each semester	Shall be incorporated
Dr.K.Dhanalakshmi	To offer professional value course during start of the career	Shall be incorporated based on feasibility
Dr. G. Uma	Deep Learning concepts can be dealt as a separate course but not in the course Digital signal processing since neural networks is the basic for Deep learning.	Shall be incorporated

4. Course Delivery - Mode and Effectiveness

Name of the Members	Suggestions	Points incorporated or not
NIL		-

5. Course Assessment - - Mode and Effectiveness

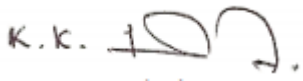

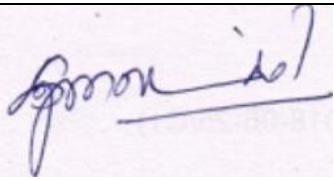



Name of the Members	Suggestions	Points incorporated or not
Dr. G. Uma	Assessment method for the course, Comprehensive Studies	Since the syllabus is taken from GATE – one mark and two marks are asked for both internal and end semester exams

6. Infra Requirement, Upgradation

Name of the Members	Suggestions	Points incorporated or not
Dr. G. Uma	Faculty specialisation required for Deep learning	Department Faculty will be trained in the specific Domain

The BOS members have approved the existing syllabus of R2018 with the newly introduced four professional elective courses.

1. U18EIE0018 - Building Automation
2. U18EIE0019 - Optical Instrumentation
3. U18EIE0020 - Statistical Process Control
4. U18EIE0021 - Hybrid and Electric Vehicles

Sl. No	Name	Designation	Designation as per UGC	Signature
1	Dr. K. K. Anil Kumar	Professor & Head EIE/KCT	Chairman	
2	Dr.M.Ezhilarasi	Associate Dean, KCT	Internal member	
3	Dr.K.Dhanalakshmi	Professor ICE/ NIT Trichy	Anna University Nominee	
4	Dr.G.Uma	Professor & Head ICE/ NIT Trichy	Expert nominated by Academic council	
5	Dr.D. Angeline Vijula	Professor ICE/PSG College of Technology	Expert nominated by Academic council	
6	Mr.V.Shanmugaraj	HOD, Sensor and Vision Technology, CMTI, Bangalore.	Expert from Industry	

7	K.Natarajan	Harman Connected services Hyderabad, Associate Product services	Meritorious Alumni	<i>Natarajan V</i>
8	Dr.K.Paramasivam.	Professor/ECE Department/KCT	Faculty member from allied department	<i>Paramasivam</i>
9	Prof.P.S.Mayurappriyan	Professor, EIE/KCT	Internal member	<i>Mayurappriyan</i>
10	Mr.V.Umesh	Associate Professor, EIE/KCT	Internal member	<i>Umesh V</i>
11	Dr. V. Dinesh Kumar	Associate Professor, EIE/KCT	Internal member	<i>Dinesh Kumar</i>
12	Ms. I. Jeya Daisy	Assistant Professor II, EIE/KCT	Internal member	<i>J. Daisy</i>
13	Mr.V.Athappan	Assistant Professor II, EIE/KCT	Internal member	<i>Athappan V</i>
14	Mr. E. Muthu Ramalingam	Assistant Professor, EIE/KCT	Internal member	<i>E. Muthu Ramalingam</i>
15	Ms.V.Manimekalai	Assistant Professor, EIE/KCT	Internal member	<i>V. Manimekalai</i>
16	Mr.M. Saravana Balaji	Assistant Professor, EIE/KCT	Internal member	<i>M. Saravana Balaji</i>
17	Mr. S. Saravana Kumar	Assistant Professor, EIE/KCT	Internal member	<i>S. Saravana Kumar</i>
18	Mr. S.Ranganathan	Assistant Professor, EIE/KCT	Internal member	<i>S. Ranganathan</i>
19	Ms.Vaishali	Student, EIE/KCT	Internal member	<i>Vaishali.U</i>

20	Mr. S.R.Sivanikesh	Student, EIE/KCT	Internal member	
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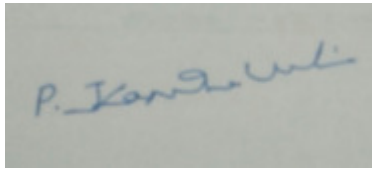
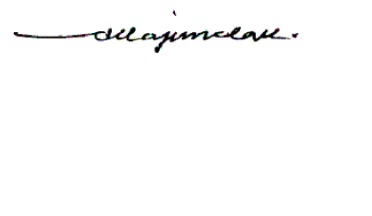

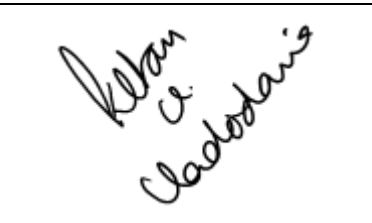
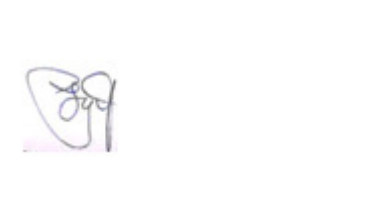
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HOD-E&I



18th BOARD OF STUDIES MEETING
JUNE 12, 2021
ATTENDANCE DETAILS OF EXTERNAL MEMBERS

Name of the Board: B.Tech Fashion Technology & M.Tech Apparel Technology

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
1	Dr. P.Kandha Vadivu	Anna University Nominee	Professor and Head, Department of Fashion Technology, PSG College of Technology, Coimbatore - 641004 Email: vadivu67@yahoo.co.in Mobile: 9842213810	
2	Dr. Abhijit Majumdar	Subject Expert	Professor, Department of Textile and Fibre Engg. Indian Institute of Technology, Hauz Khaz, New Delhi – 110016. abhixtextile@rediffmail.com 99584 19188,+91-11-26581103	
3	Dr.Prabir Jana	Subject Expert	Professor & Head Research, National Institute of Fashion Technology Hauz Khas, Near Gulmohar Park, New Delhi- 110 016 e.mai.id: prabir.jana@nift.ac.in, Phone: 011-26867704, 9811372994	
4	Mr. Shailendra.KR. Nigam	Expert from Industry	Deputy General Manager, Jay Jay Mills, 10 KVP layout, Alangadu, Kuruvam palayam, Tirupur Tamil Nadu 641604 email.id: sknigam@jayjaymills.in	Present
5	Dr.Ketankumar Vadodaria	Special Invitee	Associate Senior Faculty, Textile Design, National Institute of Design Opposite Tagore Hall, Rajnagar Society, Paldi, Ahmedabad, Gujarat 380007. email.id: ketan_v@nid.edu, Mobile : 9677837921, 0-79-26629500	
6	Mr.A. Sethu	Special Invitee/ Industry	Master Linens INC Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002. Email id: sethu@masterlinens.in Mobile No.: 9994932297	

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
7	Dr. R.Baskar	Special Invitee	Associate Professor Department of Bio Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9894709273 Email: baskar.s.bt@kct.ac.in	
8	Ms. R. Niveda	Alumni Member-PG	Founder and Director Bliss Natural Pads 5/25 A 4 Ramakutty layout Koundampalayam, Coimbatore, Tamil Nadu 641030 nivi1606@gmail.com, M: 9566826636	
9	Ms. S.Keerthi	Alumni Member-UG	Store Manager H& M Hennes &Mauritz Pvt LTD Coimbatore -641 035 keerthiarunodhayam@gmail.com 8825722359.	
10	M.Srinithi/ Dikshika maleni/ Affiency.SR	Students from Super 60 & LC.- Special Invitee	17BFT022/ 17BFT045/20MAT001 Fashion Technology Kumaraguru College of Technology Coimbatore-641049 Email:srinithi.17ft@kct.ac.in dikshikamaleni.17ft@kct.ac.in PhNo: 9597075752, 8220580520, 8870136860	  



Bos Coordinator



BOS - Chairman

Department of Fashion Technology

Ref: FT - BOS Meeting – June 2021	
Meeting	18TH BOS Meeting - June 2021
Date / Time of meeting	12-06-2021 at 03.00 PM – 05.30 PM
Venue	Virtual Meeting - MS Teams
Panel Members	<ol style="list-style-type: none"> 1. Dr. P.Kandha Vadivu, Professor and Head, PSG Tech., Coimbatore 2. Dr. Abhijit Majumdar, Professor, IIT, New Delhi. 3. Dr.Prabir Jana, Professor and Head, NIFT, New Delhi. 4. Dr.Ketankumar Vadodaria, Associate Senior Faculty, NID, Ahmedabad 5. Mr. Shailendra.KR. Nigam, Deputy General Manager, Jay Jay Mills, Tiruppur. 6. Mr.A. Sethu, Managing Director, Master Linens INC 7. Dr. R.Baskar, Associate Professor and Head, Bio Tech., KCT 8. Ms. R. Niveda, Fashion Tech., Alumni Member-PG 9. Ms. S.Keerthi, Fashion Tech., Alumni Member-UG 10. M.Srinithi/ Dikshika Maleni/ Affiency.SR, Leadership Council/PG student

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr.G.Ramakrishnan,	Professor and Head	Present
2.	Dr.BhaarathiDhurai	Professor	Absent
3.	Dr.G.Rajkumar	Associate Professor	Present
4.	Dr.V.Krishnaveni	Associate Professor	Present
5.	Dr.S.Kavitha	Associate Professor III	Present
6.	Dr.V.NithyaPrakash	Associate Professor	Present
7.	Dr.R.Priyadharshini	Assistant Professor-II	Present
8.	Mr.S.Chandrakumar	Assistant Professor (Sr.G)	Present
9.	Dr.K.Prabu	Assistant Professor -II	Present
10.	Mr.A.Thambidurai	Assistant Professor-I	Present
11.	Mr.A.Arunraj	Assistant Professor -II	Present

G. B. S. +

BOS Coordinator



DR. G. RAMAKRISHNAN
 Professor & HOD (IC) Department of Fashion Technology
 Coordinator, KCTETPAC, College of Fashion Technology & Studies
 Kumaraguru College of Technology
 COIMBATORE - 641 044

BOS - Chairman / HOD, Fashion Tech.



18TH BOARD OF STUDIES MEETING

Department: Fashion Technology

Program: B.Tech Fashion Technology

Venue: MS-Team

Date: June 12, 2021

Time: 03:00PM to 05:30 PM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
Addition of New Lab Experiments in R2018 Courses
3. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
4. Targets for CO / PO for Academic Year 2021-22
5. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
6. Members Recommendations for Implementing NEP 2020
7. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
8. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
9. Best Practices followed in (External) Member's Institutions
10. Any other matters (with the permission of Chairman, BoS)

BOS Coordinator

Signature of the Faculty
Dr. G. RAMAKRISHNAN
Professor & HOD IIC Department of Fashion Technology
Coordinator, KCTET&C, COM in Fashion Technology & Studies
Kumaraguru College of Technology
COMBATORE - 541 015

BOS - Chairman / HOD, Fashion Tech.



Department of Fashion Technology

MINUTES OF BOARD OF STUDIES MEETING

Department: Fashion Technology

Program: B.Tech Fashion Technology

Venue: MS-Team

Date: June 12, 2021

Time: 03:00PM to 05:30 PM

1. Welcome note and introduction of members by chairperson

Dr. G.Ramakrishnan, Professor & Head welcomed the panel members and introduced faculty members of the department. He also provided an overview about the department.

2. Action Taken Report on Previous BoS Meeting

Report of changes made in the curriculum/syllabi after reviewing the comments from experts during the 17th BoS held on 21st November 2020 was presented by BOS coordinator Dr.G.Rajkumar.

Suggestions by members: Accepted action taken report

3. Introduction of New One Credit Courses / Programme Electives / Open Electives

Addition of New Lab Experiments in R2018 Courses

On the basis of the feedback from the stakeholders the following one credit courses were proposed and presented for the BOS member's approval

- Flat sketch and design sheet development
- Sourcing sustainable fashion
- Leather garments
- Natural dyes
- introduction to industry 4.0
- E-Marketing

Suggestions by members: Approved for implementation in R18 UG

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The revised vision, mission and PEO was proposed and presented for the BOS Members approval.

Suggestions by members: Approved for implementation

5. Targets for CO / PO for Academic Year 2021-22

The revised targets were presented in the meeting by BOS Coordinator.

Suggestions by members: Approved for implementation

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Suggestions by members: The panel was approved by the members.

7. Members Recommendations for Implementing NEP 2020

The highlights of the NEP 2020 were presented in the meeting by BOS coordinator.

Suggestions by members: Since NEP 2020 in the preliminary stage, the major highlights (Pros and Cons) of NEP 2020 was discussed. Research culture, skill gap should be identified at UG level.

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

The gaps in existing curriculum & syllabus and Suggestions for new curriculum & syllabi for Regulations 2022 (R2022) was discussed and detailed minutes given below.

Suggestions by members: The perceived gaps were discussed and members gave suggestion to bridge the gaps in the new regulation R2022.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

Suggestions by members: The upgradation of infrastructure / teaching aids was discussed at length and suitable suggestions were provided.

10. Best Practices followed in (External) Member's Institutions

Suggestions by members: Members listed all the best practices in their institute and the same was recorded.

11. Any other matters

Suggestions by members: The expert members appreciated the department efforts towards upgrading the curriculum and syllabus.

Detailed Minutes BOS Minutes- FT-BOS – June 12, 2021

Sl.No.	Suggestion by Members	Suggested by
1	Introduction of new one credit courses: flat sketch and design sheet development, sourcing sustainable fashion, leather garments, Natural dyes, introduction to industry 4.0, E-Marketing are the new one credit courses added in the R 2018 curriculum.	Stake holders and Members
2	<p>Vision and mission and PEO of the department is reviewed and accepted by experts. The revised vision, mission and PEO of the department is given below.</p> <p>Vision</p> <ul style="list-style-type: none"> ❖ Achieve excellence in academics and research and face the challenges of fashion and clothing industry <p>Mission</p> <ul style="list-style-type: none"> ❖ Develop core competencies with a curriculum encompassing design, manufacture, and management domains. ❖ Develop the competency of the faculty to the level of International repute through state-of-the-art infrastructure and facility, focus on research and up skilling. ❖ Stimulate analytical and creative thinking to transform the students as socially responsible, competent professionals, entrepreneurs, researchers useful to the society, through innovative teaching learning ❖ Promote collaborations with industry to comprehend global practices leading to excellence. <p>PEO</p> <p>PEO I : Excel in their professional career related to fashion, design, manufacturing, management and research</p> <p>PEO II : Identify problems in the apparel domain and provide techno- economic solutions focusing on the need of the industry and society</p> <p>PEO III: Imbibe awareness on the significance of professional and social ethics in their professional career</p> <p>The experts suggested innovative teaching and learning practices such as Video based questions, Hybrid mode (Classroom teaching and online), Q&A sessions during synchronous mode in online teaching. Videos can be given to the students in practical sessions to understand the concept better.</p>	All Experts
3	<p>The target percentage for course outcomes is increased to 65% for theory courses and 70% for practical courses and approved by members.</p> <p>Additional suggestions :</p>	

	CO/PO/PSO matrices for every course is definitely a good idea, however need to be cross checked. As in some cases common courses CO are showing M co-relation with PSO, which shouldn't be there in first place. The PSO seems little shallow should be more specific.	Dr.Prabir Jana
4	The experts approved the panel of examiners for question paper setting. The existing panel of question paper setters includes experts from some national institutes, research organizations and industries.	All members
5	Implementation of NEP 2020 : Multiple entry and exit can be permitted on genuine grounds such as medical reasons, to support family, etc. Pass percentage of the Institution will be affected due to multiple entry and exit; foresee management related issues. Learning outcomes of every year need to be reframed in such a way that if the student exits in any particular year, his education until that year of exit can fetch him jobs.	Dr.Prabir Jana
	Only Bachelor-Master integrated engineering programmes in IIT permit exit of students from bachelor course.	Dr. Abhijeet Majumdar
	Job-targeting curriculum Curriculum should be skill based to support certifications after assessment at the end of every year will be required. Directions from Anna University Implementation of NEP cannot be decided at the Institutional level and we have to wait for directions from Anna University.	Dr. P. Kandhavadi
6	Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022) <ul style="list-style-type: none"> • Include 1 or 2 fashion related courses in Semester 2 so that the students do not lose their connect with their specialization/department. • Presuming that lateral entry students will miss the courses of 1st year, do not dilute the courses offered to rest of 80-90% of regular students in Semester 1 and 2. • U18FTT3003: Pattern making and Adaptation Offer practical course; only theory will not be sufficient. • To overcome issue of credit distribution, combine theory of U18FTT3003: Pattern making and Adaptation and U18FTI3204: Garment Components Fabrication, and offer combined practical course for both these courses. • 18FTT4001: Fabric Formation Technology and U18FTI4204 Fabric Structure and Design cannot go parallel in the same semester. • Industrial Training: Seminars and sessions from industry experts organized during the Industrial training hours. 	Dr. P. Kandhavadi

	<ul style="list-style-type: none"> • Include CAD lab for Designing in the curriculum along with CAD for pattern making/ layout. 	
	<p>AICTE suggests basic engineering courses only until Semester 3.</p> <p>U18FTT3003: Pattern making and Adaptation</p> <p>Offer practical course; only theory will not be sufficient.</p> <p>Industrial Training: Videos from online resources are very helpful to engage students during this pandemic time.</p> <p>Projects:</p> <p>Encourage inter-college research</p>	Dr. Prabir Jana
	Develop basic engineering and reinforce knowledge on technology/mechanics, and offer one course like “Introduction to Fashion Technology”	Dr. Abhijeet Majumdar
	<p>Information about LOC, TT, export & import documentation, GST tax system, profit and loss statement should be included in the curriculum.</p> <p>In the communication course, we can add how to write Emails, Technical Project writing.</p> <p>Other than with advanced technology, we should always keep the focus on the basic of textile technology, As without Basics advance cannot work. This may come under Engineering Clinic Patch the industry-institute gap by exposing students to “ERP in Garment Industry” so that they are aware of the ERP functions when they visit an industry for Industrial Training.</p>	Mr. Shailendra. KR. Nigam
	<p>Industrial Training:</p> <p>Extended support in bringing experts to organize sessions/lecture during the Industrial Training hours for our students.</p> <p>Expert suggested to offer Industrial training in all semesters. It will be considered with the respective approval of authorities.</p>	Mr.A Sethu
	<p>More emphasis on Real-time Project based learning</p> <p>Building and enriching student profile by conducting “Master Class” for thrust areas such as Portfolio, CAD for Fashion, Fashion Imaging/Illustration and other courses should be provided.</p>	Ms. Srinithi, BTech FT (Final Year)
	<p>Functional clothing was offered as elective in UG Curriculum but it is one of the important course which connects fashion to technology where applied science plays a major role. So this course must be given much importance as other courses and not as an elective option.</p>	Ms. Dikshika Maleni BTech FT (Final Year)
	Retail front is closed due to pandemic. Online training sessions will benefit students who want to acquaint with retail marketing and sales.	Ms. Keerthi, Alumnus
	Experts suggested to train the students using open source softwares, fabric simulation softwares and designing softwares such as Corel draw and Adobe.	All experts
	Experts from NIFT can be brought inside for portfolio Subject. Portfolio are needed in many of the companies where students take designing as career. Portfolio making in NIFT is completely different and professional from the ones.	Niveda R Alumnus

	<p>Fashion Technology is a vast field where we can get into lot of industries. Its not just about garment factory or a boutique , there are lot of options which most of the time students are not aware off like technical textiles and medical textiles. If we can work on putting the options in front of students it will be of great help to them.</p> <p>As far as projects are concerned, Rather than comparisons of various datas, proper workable model or finished product has to be submitted as project with at least one paper published. Publication is given importance only in M.tech which should be given importance in UG itself.</p>	
7	<p>Best Practices: Experts suggested best practices followed in their institutes such as Hybrid mode (Classroom teaching and online), Theory now and practical later, MS Teams for Asynchronous mode, Q&A sessions during synchronous mode, Using Moodle to post study material, Flip lectures and Practical courses for conducting online with the help of videos.</p>	All experts

G. R. J. S. +

BOS Coordinator



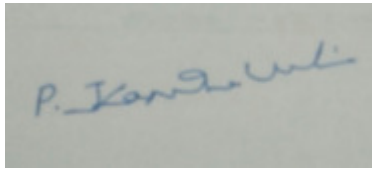
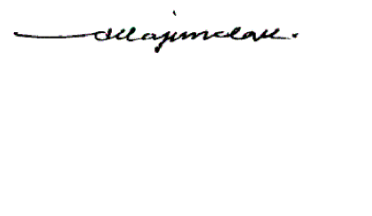

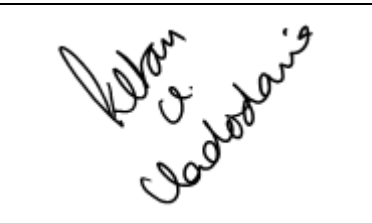

Dr. G. RAMAKRISHNAN
 Professor & HOD (I) Department of Fashion Technology
 Coordinator, KCTETPAC, COE in Textile Technology & Fashion
 Kumarajaya College of Technology
 COIMBATORE - 641 006





BOS - Chairman / HOD, Fashion Tech.



18th BOARD OF STUDIES MEETING
JUNE 12, 2021
ATTENDANCE DETAILS OF EXTERNAL MEMBERS

Name of the Board: B.Tech Fashion Technology & M.Tech Apparel Technology

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
1	Dr. P.Kandha Vadivu	Anna University Nominee	Professor and Head, Department of Fashion Technology, PSG College of Technology, Coimbatore - 641004 Email: vadivu67@yahoo.co.in Mobile: 9842213810	
2	Dr. Abhijit Majumdar	Subject Expert	Professor, Department of Textile and Fibre Engg. Indian Institute of Technology, Hauz Khaz, New Delhi – 110016. abhixtextile@rediffmail.com 99584 19188,+91-11-26581103	
3	Dr.Prabir Jana	Subject Expert	Professor & Head Research, National Institute of Fashion Technology Hauz Khas, Near Gulmohar Park, New Delhi- 110 016 e.mai.id: prabir.jana@nift.ac.in, Phone: 011-26867704, 9811372994	
4	Mr. Shailendra.KR. Nigam	Expert from Industry	Deputy General Manager, Jay Jay Mills, 10 KVP layout, Alangadu, Kuruvam palayam, Tirupur Tamil Nadu 641604 email.id: sknigam@jayjaymills.in	Present
5	Dr.Ketankumar Vadodaria	Special Invitee	Associate Senior Faculty, Textile Design, National Institute of Design Opposite Tagore Hall, Rajnagar Society, Paldi, Ahmedabad, Gujarat 380007. email.id: ketan_v@nid.edu, Mobile : 9677837921, 0-79-26629500	
6	Mr.A. Sethu	Special Invitee/ Industry	Master Linens INC Managing Director, A&M Compounds, SF No.:413/2 & 4, Sengalapuram, Thumbivadi Post, Aravakurichi, T.K.Karur -639 002. Email id: sethu@masterlinens.in Mobile No.: 9994932297	

S. No	Name	Designation as per UGC	Designation / Affiliation with full Contact Details	Digital Signature
7	Dr. R.Baskar	Special Invitee	Associate Professor Department of Bio Technology, Kumaraguru College of Technology, Coimbatore Mobile: 9894709273 Email: baskar.s.bt@kct.ac.in	
8	Ms. R. Niveda	Alumni Member-PG	Founder and Director Bliss Natural Pads 5/25 A 4 Ramakutty layout Koundampalayam, Coimbatore, Tamil Nadu 641030 nivi1606@gmail.com, M: 9566826636	
9	Ms. S.Keerthi	Alumni Member-UG	Store Manager H& M Hennes &Mauritz Pvt LTD Coimbatore -641 035 keerthiarunodhayam@gmail.com 8825722359.	
10	M.Srinithi/ Dikshika maleni/ Thilagavathi.G	Students from Super 60 & LC.- Special Invitee	17BFT022/ 17BFT045/20MAT001 Fashion Technology Kumaraguru College of Technology Coimbatore-641049 Email:srinithi.17ft@kct.ac.in dikshikamaleni.17ft@kct.ac.in PhNo: 9597075752, 8220580520, 8870136860	



Bos Coordinator



BOS - Chairman

Department of Fashion Technology

Ref: FT - BOS Meeting – June 2021	
Meeting	18TH BOS Meeting - June 2021
Date / Time of meeting	12-06-2021 at 03.00 PM – 05.30 PM
Venue	Virtual Meeting - MS Teams
Panel Members	<ol style="list-style-type: none"> 1. Dr. P.Kandha Vadivu, Professor and Head, PSG Tech., Coimbatore 2. Dr. Abhijit Majumdar, Professor, IIT, New Delhi. 3. Dr.Prabir Jana, Professor and Head, NIFT, New Delhi. 4. Dr.Ketankumar Vadodaria, Associate Senior Faculty, NID, Ahmedabad 5. Mr. Shailendra.KR. Nigam, Deputy General Manager, Jay Jay Mills, Tiruppur. 6. Mr.A. Sethu, Managing Director, Master Linens INC 7. Dr. R.Baskar, Associate Professor and Head, Bio Tech., KCT 8. Ms. R. Niveda, Fashion Tech., Alumni Member-PG 9. Ms. S.Keerthi, Fashion Tech., Alumni Member-UG 10. M.Srinithi/ Dikshika Maleni/ Affiency.SR, Leadership Council/PG student

Faculty Attendance			
S. No	Name	Designation	Attendance
1.	Dr.G.Ramakrishnan,	Professor and Head	Present
2.	Dr.BhaarathiDhurai	Professor	Absent
3.	Dr.G.Rajkumar	Associate Professor	Present
4.	Dr.V.Krishnaveni	Associate Professor	Present
5.	Dr.S.Kavitha	Associate Professor III	Present
6.	Dr.V.NithyaPrakash	Associate Professor	Present
7.	Dr.R.Priyadharshini	Assistant Professor-II	Present
8.	Mr.S.Chandrakumar	Assistant Professor (Sr.G)	Present
9.	Dr.K.Prabu	Assistant Professor -II	Present
10.	Mr.A.Thambidurai	Assistant Professor-I	Present
11.	Mr.A.Arunraj	Assistant Professor -II	Present

G.R.F.

BOS Coordinator



Signature of the Faculty
Dr. G. RAMAKRISHNAN
 Professor & HOD-III, Department of Fashion Technology
 Designation: ACS/FTAC, COPE in Trade Technology & Quality
 Kumaraguru College of Technology
 COIMBATORE - 641048

BOS - Chairman / HOD, Fashion Tech.



18TH BOARD OF STUDIES MEETING

Department: Fashion Technology

Program: M.Tech Apparel Technology

Venue: MS-Team

Date: June 12, 2021

Time: 03:00PM to 05:30 PM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
Addition of New Lab Experiments in R2018 Courses
3. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
4. Targets for CO / PO for Academic Year 2021-22
5. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
6. Members Recommendations for Implementing NEP 2020
7. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
8. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
9. Best Practices followed in (External) Member's Institutions
10. Any other matters (with the permission of Chairman, BoS)

BOS Coordinator

BOS - Chairman / HOD, Fashion Tech.



Department of Fashion Technology

MINUTES OF BOARD OF STUDIES MEETING

Department: Fashion Technology

Program: M.Tech Apparel Technology

Venue: MS-Team

Date: June 12, 2021

Time: 03:00PM to 05:30 PM

1. Welcome note and introduction of members by chairperson

Dr. G.Ramakrishnan, Professor & Head welcomed the panel members and introduced faculty members of the department. He also provided an overview about the department.

2. Action Taken Report on Previous BoS Meeting

Report of changes made in the curriculum/syllabi after reviewing the comments from experts during the 17th BoS held on 21st November 2020 was presented by BOS coordinator Dr.G.Rajkumar.

Suggestions by members: Accepted action taken report

3. Introduction of New One Credit Courses / Programme Electives / Open Electives

Addition of New Lab Experiments in R2018 Courses

A new mandatory non credit course “P18INR0001 Research ethics” was introduced in semester II in R2018 regulation.

Suggestions by members: Approved for implementation in R18 UG

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The revised vision, mission was proposed and presented for the BOS Members approval.

Suggestions by members: Approved for implementation

5. Targets for CO / PO for Academic Year 2021-22

The preparation of CO / PO is under progress.

Suggestions by members: Accepted

6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

Suggestions by members: The panel was approved by the members.

7. Members Recommendations for Implementing NEP 2020

The highlights of the NEP 2020 were presented in the meeting by BOS coordinator.

Suggestions by members: Since NEP 2020 in the preliminary stage, the major highlights (Pros and Cons) of NEP 2020 was discussed. Research culture, skill gap should be identified at UG level.

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

The gaps in existing curriculum & syllabus and Suggestions for new curriculum & syllabi for Regulations 2022 (R2022) was discussed and detailed minutes given below.

Suggestions by members: The perceived gaps were discussed and members gave suggestion to bridge the gaps in the new regulation R2022.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

Suggestions by members: The upgradation of infrastructure / teaching aids was discussed at length and suitable suggestions were provided.

10. Best Practices followed in (External) Member's Institutions

Suggestions by members: Members listed all the best practices in their institute and the same was recorded.

11. Any other matters

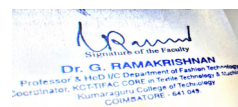
Suggestions by members: The expert members appreciated the department efforts towards upgrading the curriculum and syllabus.

Detailed Minutes BOS Minutes- FT-BOS – June 12, 2021

Sl.No.	Suggestion by Members	Suggested by
1	<p>Vision and mission of the department is reviewed and accepted by experts. The revised vision and mission of the department is given below.</p> <p>Vision</p> <ul style="list-style-type: none"> ❖ Achieve excellence in academics and research and face the challenges of fashion and clothing industry <p>Mission</p> <ul style="list-style-type: none"> ❖ Develop core competencies with a curriculum encompassing design, manufacture, and management domains. ❖ Develop the competency of the faculty to the level of International repute through state-of-the-art infrastructure and facility, focus on research and up skilling. ❖ Stimulate analytical and creative thinking to transform the students as socially responsible, competent professionals, entrepreneurs, researchers useful to the society, through innovative teaching learning ❖ Promote collaborations with industry to comprehend global practices leading to excellence. 	All Experts
1	<p>In the course P18ATT1001 AUTOMATION IN APPAREL MANUFACTURE, the course content should be planned in the following order</p> <ol style="list-style-type: none"> 1. CONCEPT OF AUTOMATION & ROBOTICS 2. AUTOMATION IN PRE-SEWING (design, fit analysis, fabric inspection, spreading, cutting, embroidery): 3. AUTOMATION IN SEWING 4. AUTOMATION IN POST-SEWING (FINISHING, washing, packing, etc.) 5. AUTOMATION IN MATERIAL HANDLING 	Dr.Prabir Jana
2	<p>P18ATT2001 ENGINEERING OF FUNCTIONAL CLOTHING Include Barrier clothing (like PPE garments) in the Medical Textile component of the course.</p>	Dr.Ketankumar Vadodaria
3	<p>The program electives offered in third semester can be given in fast track to enable the students to undergo internship abroad.</p>	Dr. P. Kandhavadi
4	<p>For students opting for Project in Semester 3 of PG Course, more theory courses can be offered if their project will be carried out in the college premises.</p>	Ms. Thilakavathi, MTech AT (1 st Year)

G. Ramakrishnan

BOS Coordinator



BOS - Chairman / HOD, Fashion Tech.



Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online – MS Teams

Date: 05.06.2021

Time: 10:00 AM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Paned of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Any other matters (with the permission of Chairman, BoS)



Department Board of Studies Meeting Minutes

Department: Information Technology

Program: B.Tech

Venue: Online – MS Teams

Date: 05.06.2021

Time: 10:00 AM

The Board of Studies meeting for Information Technology department was held on June 05, 2021 at 10:00 AM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for B.Tech. (Information Technology) programmes.

Internal & External Members

S.No.	Name & Designation	
1.	Principal	Dr.D.Saravanan
2.	Chairperson	Dr. M.Alamelu, ASP & HOD
3.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
4.	Academic Expert	Dr.P. Bhagavathi Sivakumar, Associate Professor Vice Chairperson – Computer Science, School of Engineering, Amrita University, Coimbatore
5.		Dr.T. S. Pradeep Kumar, Associate Professor School of Computer Science and Engineering,VIT, Chennai
6.		Dr.C.Mala, Professor, Department of Computer Science and Engineering,National Institute of Technology,Tiruchirappalli
7.		Dr. Sivaselvan B, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram
8.		Industry Expert
9.		Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
10.	Alumni	Mr. K. Dhandapani, Senior Associate,Robert Bosch, Coimbatore
11.	Special Invitee	Mr.S.Sasi Kesavan, Software Development Engineer, Amazon,USA
12.		Dr.L.Latha, Professor/CSE, KCT
13.	BoS Coordinator	Dr. V. Vanitha, Prof /IT
14.	Faculty Representatives	Dr. N. Rajathi, Professor/IT
15.		Dr. P. C. Thirumal, ASP/IT
16.		Ms. S. Sathyavathi, AP(SRG) /IT
17.		Ms. P. Shenbagam, AP - II /IT
18.		Ms. S. Kavitha, AP - II/IT
19.		Mr. S. Kanagaraj, AP - II /IT

20.		Ms. G. Prema Arokiya Mary, AP-I/IT
21.		Ms. M. N. Saroja AP-I/IT
22.	Student Representatives	Ms.Priyadharshini & Ms.Harini, IV year B.Tech-IT





Points Discussed

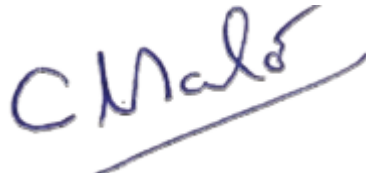
1. Action Taken Report on Previous BoS Meeting

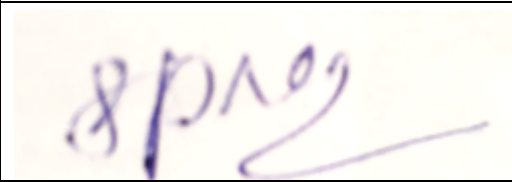

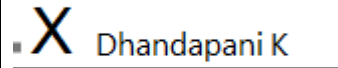

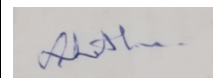
S.No.	POINTS DISCUSSED	ACTION TAKEN
1.	Committee Approved: To replace the course “Professional Communication & Analytical Reasoning” by another Professional Elective course	Offered the professional elective course on Artificial Intelligence /Data Visualization
2.	To include the following professional electives: <ul style="list-style-type: none"> ▪ Business Intelligence ▪ Natural Language Processing ▪ Information Retrieval Techniques 	Included in the R18 curriculum
3.	All courses offered to protosem students	
4.	One or two NPTEL courses and other quality MOOCs can be offered as electives for B.Tech students, so that the students will be exposed to diversified learning.	Will be incorporated based on the institution level policy.
5.	The committee recommended industry internships as it gives exposure to Industry projects and establish collaborations with Industry.	<ul style="list-style-type: none"> • Involved industry experts in final year project reviews. • Industry projects – 5 students.[UG] • Internships [38 = 35(UG)+3(PG).] • Protosem – 2 students. • Four students completed industry certification program on Blockchain Technology.
6.	Participation in hackathon competitions to be increased	<ul style="list-style-type: none"> • Students are encouraged to participate in hackathons. • Students participated in Ideathon - Conducted during Yugam
7.	More focus on strengthening the fundamental concepts	<ul style="list-style-type: none"> ▪ Conducting weekly assessments and doubt clearance sessions to strengthen the fundamentals concepts in the second year level. ▪ Department Association is periodically conducting activities to strengthen the fundamental concepts(Excalibur phase 1&2 for two months by alumni)

2. Introduction of New One Credit Courses / Programme Electives / Open Electives
 - Planned to include new courses in the next regulation R22.
3. Addition of New Lab Experiments in R2018 Courses
 - Existing list of experiments will be followed.
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
 - Chairman presented the agenda and department vision, mission, PEO, PO and PSO.
 - Action taken report of previous BOS meeting points were reviewed.
 - Dr. P.Bhagavathi Sivakumar suggested to revamp the PSO2(Leadership skills), as it has been already covered in PO8(Ethics).
 - All the members appreciated the industry expert's involvement in final year project reviews.
 - Mr.Prakash Subramaniam recommended to focus on internships, industry connect and more practical experience. This will help students apply what they are learning as part of their academic curriculum and become more aligned with what is needed for the industry that gives them a clear head start. As a side benefit, this will also help them demonstrate their true potential in their campus interviews.
 - All the members suggested to provide more importance for embedded course's lab components.
 - Expert members recommended internships and industry projects.
5. Targets for CO / PO for Academic Year 2021-22
 - Planning to maintain the same target for the academic year 2021-22.
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
 - Planning to maintain the same panel of examiners for the academic year 2021-22
7. Members Recommendations for Implementing NEP 2020
 - Dr. B.Sivaselvan recommended electives(Science, Mathematics and Humanities subjects) option for students from the first year itself, apart from technical subjects, based on NEP 2020.
 - Dr. N.K.Karthikeyan recommended awareness programmes on NEP 2020 to educate the students and faculty members. It may be given as a one-credit course at institutional level.
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

- All the members recommended to include internship/industry project with credits in the curriculum (third-year students). During the internships, the students can start their mini-project, and it can be extended as final-year project.
 - Dr. B.Sivaselvan recommended the percentage adoption of J component (project) can be increased in more courses. If J component is not applicable, then P component(practical) can be incorporated.
 - Dr. B.Sivaselvan also suggested to include lab component for elective courses wherever applicable.
 - Dr. B.Sivaselvan suggested to make the Social Media Marketing as an elective subject.
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
- Dr. C.Mala recommended the usage of Virtual Labs at NIT, Surathkal as online platform for conduction and evaluation for lab courses in the current situation.
 - All the members recommended online tools for lab conduction and assessment.
10. Best Practices followed in (External) Member's Institutions
- Dr. P.Bhagavathi Sivakumar suggested to involve industry experts from the inception of the project during their 6th semester summer vacation.
11. Any other matters (with the permission of Chairman, BoS) - Nil

S.No.	Members	Digital Signature
1	Dr. M.Alamelu, ASP & HoD	
2	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr. P.Bhagavathi Sivakumar, Associate Professor- Vice Chairperson, Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr. T.S.Pradeep Kumar, Associate Professor, School of Computer Science and Engineering, VIT, Chennai	

5	Dr. C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	
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6	Dr. B.Sivaselvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram	Digitally signed by Dr B Sivaselvan DN: cn=Dr B Sivaselvan, o=IIITDM Kancheepuram, ou=Dept of CSE, email=sivaselvanb@iiitdm.ac.in, c=IN Date: 2021.06.21 20:03:53 +05'30'
7	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad	Vidhya Prakash Sivashanmugam
8	Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore	
9	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 Recoverable Signature  Dhandapani K Dhandapani Kumar Signed by: Dhandapani K
10	Mr.S.Sasi Kesavan, Software Development Engineer, Amazon, USA	
11	Dr.L.Latha, Professor/CSE, KCT	

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent



**MINUTES OF BOARD OF STUDIES
MEETING**

Department: Information Science and Engineering **Program:** UG
Venue : Virtual (Microsoft Teams) **Date :** 5.6.2021
Time : 12 PM to 1 PM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
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10. Best Practices followed in (External) Member's Institutions
11. Any other matters (with the permission of Chairman, BoS)



**MINUTES OF BOARD OF STUDIES
MEETING**

Department : Information Science and Engineering **Program: UG**
Venue : Virtual (Microsoft Teams) **Date : 5.6.2021**
Time : 12 PM to 1 PM

The third Board of Studies meeting for Information Science and Engineering programme was conducted on June 5, 2021 between 12 pm and 1.00 pm in virtual mode on Microsoft Teams platform. Dr.R.Kalaiselvi, BoS coordinator of the department of Information Science and Engineering thanked the chairperson BoS of IT and joined her in welcoming all the external and internal members for the meeting. The following external members, internal members and student representatives attended the meeting.

External Members

1. Dr.N.K. Karthikeyan, Professor and Head, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
2. Dr.P.Bhagavathi Sivakumar, Associate Professor, Vice Chairperson - Computer Science, School of Engineering, Amrita University, Coimbatore
3. Dr.T. S. Pradeepkumar, Associate Professor, School of Computer Science and Engineering, VIT, Chennai
4. Dr.C.Mala, Professor, Department of computer Science and Engineering, National Institute of Technology, Tiruchirappalli
5. Dr.Sivaselvan B, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram
6. Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
7. Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
8. Mr. K. Dhandapani, Senior Associates, Robert Bosch, Coimbatore
9. Mr.S.Sasi Kesavan, Software development Engineer, Amazon, USA

Internal Members

1. Dr.D.Saravanan, Principal, KCT
2. Dr. M. Alamelu, Associate Professor & Head - IT - Chairperson
3. Dr. D. Chandrakala, Professor/ISE
4. Dr. M. Suguna, Associate Professor/ISE
5. Dr. R.Kalaiselvi, Assistant Professor-III/ISE
6. Mrs. K.Saranya, Assistant Professor-I/ISE
7. Mr. F M Mohammed Farooq Abdulla - I/ISE
8. Dr. L. Latha, Professor/CSE
9. Ms. A Sasireha, Student, ISE
10. Ms. J.Hemashree , Student, ISE

Points Discussed**1. Action Taken Report on Previous BoS Meeting**

S. #	Suggestions	Outcome after discussions
1	Dr.Pradeep kumar suggested to add the course with the name Information in the curriculum.	Information Storage and Retrieval is now included in the core 7 th semester of the current R18 curriculum. Further Information Privacy, Information Security Management has been added now as electives. In the next regulation core courses on Information Theory etc... will be considered.
2	The credit (or marks) given by MOOCs should be taken as such (meaning that it should not be reduced) while mapping to CAM. Students to be encouraged to take related MOOCs for various courses. Once selected, all students should be asked to take the same MOOC course. Dr.C.Mala suggested that some MOOCs are relatively difficult to score. Dr. Sivaselvan B suggested that while mapping MOOCs scores for CAM marks, the faculty should consider moderating the scores as per difficulty level of MOOCs	Both these inputs on the same point will be considered, and faculty discretion will be used with intent of encouraging students to take MOOC courses. For any further issue on this, same will be referred to Department Consultative Committee (DCC) with all these inputs and resolved as per R18.
3	It was discussed that the option of adding MOOC Electives under R18 for direct credit mapping was discussed (not CAM)	This can be considered for elective equivalence in 5 th or 6 th semester for 3 credits as per R18
4	Dr.D.Mala suggested that MOOC can be made mandatory in credit mapping and can be explicitly mentioned in the curriculum Dr. Sivaselvan B also suggested the same.	To be taken up as input for upcoming regulation R22
5	Dr.C.Mala suggested to replace Python by Object Oriented Analysis and Design or Object Oriented Programming	To be taken up as input for upcoming regulation R22
6	Dr.C.Mala suggested to split Digital Logic and Microprocessor into 2 courses as it is too vast for 1 course. She added that otherwise it can include digital logic design related topics alone.	To be taken up as input for upcoming regulation R22
7	Dr. Sivaselvan B suggested that Computer Organization may precede Computer Architecture (CA). If no scope for credits, then Computer Organization may be in core and CA can be made elective.	To be taken up as input for upcoming regulation R22
8	Dr. Sivaselvan B suggested that Big Data Technologies can be made like Systems and Analytics for Big Data offered by Princeton. Descriptive, Predictive, Prescriptive Analytics should be covered.	Descriptive, Predictive, Prescriptive Analytics is part of current Financial and Business Analytics Course. However, this input will be considered and included appropriately in the upcoming regulation R22.
9	Dr. Sivaselvan B suggested that Machine Learning Techniques can be renamed with appropriate word instead of "Techniques"	To be taken up as input for changing in the upcoming regulation R22.
10	Dr. Sivaselvan B suggested that Information Storage and Retrieval aspects can be covered in a course. Mathematical Aspects of AI can be made optional and 2 courses on AI, ML stream can be combined to 1 to get	As per suggestion, these aspects are now included as core in current Information Storage and Retrieval. Further inputs on this will be taken up and considered appropriately while redesigning Analytics Stream in the upcoming

	credits if needed. Information Retrieval can be introduced.	regulation R22.
11	Dr. Sivaselvan B suggested that Internship can be made compulsory for all students by some measures like credits or can be operationalized in other manners as per context.	Right now, as per R18, the DCC can credit the internship by equivalence to elective courses. Further, the members suggestions will be given as input for the upcoming regulation for considering other possible methods.
12	Dr. Sivaselvan B suggested that rather than a separate Information Science Engineering degree, it could be a Computer Science and Engineering degree with specialization in Information Science and Engineering	The degree name is from the AICTE approved nomenclature. Proper differentiation as much as permitted in the current regulation is now proposed and approved with focus and streams on Analytics, Security and Privacy for ISE. New courses and revision of syllabus of existing courses has been now carried out. More Streamlining / differentiation of the same and inclusion of more core courses specific to ISE will be taken up as input for the upcoming regulation.
13	Mr. Vidhya Prakash Sivashanmugam suggested that basic scripting including python can be in semester 1 and importance can be given to C in semester 2	To be taken up as input for upcoming regulation R22.
14	Mr.Prakash Subramaniam suggested that practical component can be given weightage in all courses and not just a couple of courses	In the current R18 curriculum practical component and experiential learning is listed in the form of Engineering Clinics from Semester 1 to 5 and embedded courses. Wherever appropriate our faculty will be incorporating the practical / experiential learning in the existing courses listed as Theory in terms of demos / assignments etc... The member's suggestion will be passed as input for upcoming regulation for more possible measures.

2. Introduction of New One Credit Courses / Programme Electives / Open Electives

- The committee approved the new elective "Agile Software development" syllabus. Mr.Prakash Subramaniam suggested to focus on any one of the tool Scrum or Sprint. Dr.P.Bhagavathi Sivakumar suggested to involve industry person to handle one or two topics.
- The protosem courses mapping was presented and it was approved by the panel members.

#	COURSE CODE	KCT-ISE Course Name	COURSE CODE FORGE	PROTOSEM Course Name	C
1	U18ISI6203	Internet and Web Programming	4	U18ISPS14-Coding for Innovators	4
2	U18ISE----	Programme Elective III	3	U18ISPS15-Prototyping Fundamentals	3
3	U18ISE----	Professional Elective - IV	3	U18ISPS18-Data Life Cycle Management	3
4	U18OE----	Open Elective	3	U18ISPS11-Applied Design Thinking	3
5	U18ISE----	Programme Elective V	3	U18ISPS13 - Computational Hardware	3
6	U18ISE----	Programme Elective VI	3	U18ISPS19 -ML/MLOps	3

3. Addition of New Lab Experiments in R2018 Courses

- All the experiments in the existing syllabus will be followed as such.

4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

- Dr.C.Mala suggested to use tools like hackerrank, google colab, Anaconda, visual programming laboratory (free tool with Moodle LMS), code runner to automate the evaluation to avoid the difficulty that may be faced by both the faculty and students like network issue.
- Mr.S.Sasi Kesavan suggested that UB learns (ublearns.buffalo.edu) from blacboard.com. can be used for online assignment submissions.
- Mr.Prakash Subramaniam recommended to focus on internships, industry connect and more practical experience. This will help students apply what they are learning as part of their academic curriculum and become more aligned with what is needed for the industry that gives them a clear head start. As a side benefit, this will also help them demonstrate their true potential in their campus interviews..
- All the members suggested to provide more importance for embedded course's lab components.

5. Targets for CO / PO for Academic Year 2021-22

- Planning to maintain the existing targets for the next academic year.

6. Approval of Paned of Examiners for QP Setting / Lab Exams for AY 2021-22

- The existing panel will be followed for the forthcoming academic year.

7. Members Recommendations for Implementing NEP 2020.

- Dr. B.Sivaselvan recommended electives(Science, Mathematics and Humanities subjects) option for students from the first year itself, apart from technical subjects, based on NEP 2020.
- Dr. N.K.Karthikeyan recommended awareness programmes on NEP 2020 to educate the students and faculty members. It may be given as a one-credit course at institutional level.

8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

- Dr.N.K. Karthikeyan suggested to give a foundation course about the ISE programme in the 1st year itself so that the students will be aware about the focus of the programme.
- All the committee members accepted that the C Programming course to be offered in first semester before Python programming.
- The committee suggested to incorporate more security and privacy related courses as core courses in R22 curriculum as the PSOs focus on information security and information privacy.

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery







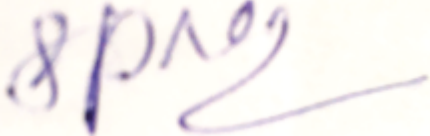

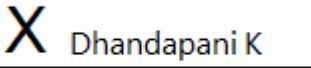
- Dr.C.Mala suggested that there is an initiative by Government of India with national vision education through ICTACT. College or department can become a center for virtual lab by linking with National Institute of Technology, Suratkal.

10. Best Practices followed in (External) Member's Institutions


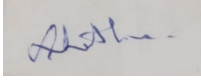
- Dr.P.Bhagavathi Sivakumar suggested to give more weightage for viva to ensure the students' understandability in theory/lab courses as the assessments are made in online. Plagiarism checking tools can be used to evaluate the lab submissions.
- Industry members can be involved in final year project problem formation in 6th semester itself. This helps the students to check whether the project scope aligned with current trend.

11. Any other matters (with the permission of Chairman, BoS)

Nil

S.No	Members	Digital Signature
1	Dr. M. Suguna, ASP & Academic coordinator/ISE, KCT	
2	Dr. M. Alamelu, Associate Professor & Head - IT – Chairperson, KCT	
3	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore.	
4	Dr. P.Bhagavathi Sivakumar, Associate Professor Vice Chairperson, Computer Science School of Engineering, Amrita University, Coimbatore.	
5	Dr. T.S.Pradeep Kumar, Associate Professor, School of Computer Science and Engineering, VIT, Chennai.	
6	Dr. C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli.	
7	Dr. B.Sivaselvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram.	Digitally signed by Dr B Sivaselvan DN: cn=Dr B Sivaselvan, o=IIITDM Kancheepuram, ou=Dept of CSE, email=sivaselvanb@iiitdm.ac.in, c=IN Date: 2021.06.21 20:03:53 +05'30'
8	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad.	Vidhya Prakash Sivashanmugam
9	Mr.Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore.	
10	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore.	 Recoverable Signature  Dhandapani K Dhandapani Kumar Signed by: Dhandapani K
11	Mr.S.Sasi Kesavan, Software	

3rd BoS Meeting B.E. ISE Jun 2021

	Development Engineer, Amazon, USA.	
12	Dr.L.Latha, Professor/CSE, KCT.	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous



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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: M.Tech (DS)

Venue: Online – MS Teams

Date: 05.06.2021

Time: 11:00 AM

AGENDA

1. Action Taken Report on Previous BoS Meeting
2. Introduction of New One Credit Courses / Programme Electives / Open Electives
3. Addition of New Lab Experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of Paned of Examiners for QP Setting / Lab Exams for AY 2021-22
7. Members Recommendations for Implementing NEP 2020
8. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)
9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
10. Best Practices followed in (External) Member's Institutions
11. Any other matters (with the permission of Chairman, BoS)



KUMARAGURU
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Department Board of Studies Meeting Minutes

Department: Information Technology

Program: M.Tech(DS)

Venue: Online – MS Teams

Date: 05.06.2021

Time: 11:00 AM

The Board of Studies meeting for Information Technology department was held on June 05, 2021 at 11:00 AM in MS Teams. The meeting was chaired by Dr.M.Alamelu, Chairperson – BoS for M.Tech. (Data Science) programme.

Internal & External Members

S.No.	Name & Designation	
1.	Principal	Dr.D.Saravanan
2.	Chairperson	Dr. M.Alamelu, ASP & HoD
3.	Anna University Nominee	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore
4.	Academic Expert	Dr.P. Bhagavathi Sivakumar, Associate Professor Vice Chairperson – Computer Science School of Engineering, Amrita University, Coimbatore
5.		Dr.T. S. Pradeep Kumar, Associate Professor School of Computer Science and Engineering, VIT, Chennai
		Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli
		Dr. B.Sivaselvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram
6.	Industry Expert	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad
7.		Mr. Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore
8.	Alumni	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore
9.	Special Invitee	Mr. S.Sasi Kesavan, Software Development Engineer, Amazon,USA
10.		Dr. L.Latha, Professor/CSE, KCT
11.	BoS Coordinator	Dr. N. Rajathi, Professor/IT

12.	Faculty Representatives	Dr. V. Vanitha, Prof /IT
13.		Dr. P. C. Thirumal, ASP/IT
14.		Ms. S. Sathyavathi, AP(SRG) /IT
15.		Ms. P. Shenbagam, AP - II /IT
16.		Ms. S. Kavitha, AP - II/IT
17.		Mr. S. Kanagaraj, AP - II /IT
18.		Ms. G. Prema Arokia Mary, AP-I/IT
19.		Ms. M. N. Saroja AP-I/IT
20.		Student Representative

Points Discussed

1. Action Taken Report on Previous BoS Meeting

S.No.	POINTS DISCUSSED	ACTION TAKEN
1.	Committee Approved the following elective courses: <ul style="list-style-type: none"> ▪ Natural Language Processing ▪ Internet of Things – Architecture and Protocols ▪ Semantic Web 	<ul style="list-style-type: none"> ▪ Introduced in R18 curriculum
2.	Recommended to Include a course on 'Multimedia Analytics' as an elective course.	The syllabus will be presented for discussion and approval.
3.	More weightage to be given for NPTEL courses	Will be incorporated in 2022 regulations
4.	Change the title of the subject 'English for Research Paper Writing' to 'Research Paper Writing'.	
5.	Give 5 credits for Internships by reducing project phase I credits .(Project phase I has 15 credits)	
6.	Change the title of the subject 'Data Science & Analytics using Python' to 'Introduction to Data Analytics'. The students may be given the choice of choosing the language for implementation.	
7.	Change the course 'Information Retrieval Techniques' as core t in the second semester.	

2. Introduction of New One Credit Courses / Programme Electives / Open Electives





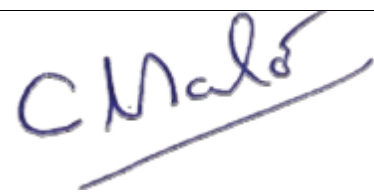
- The committee approved to include Video Analytics as an elective course in R18 regulation.

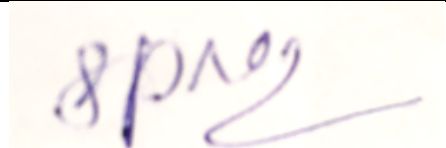
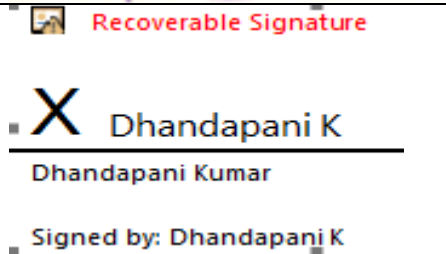

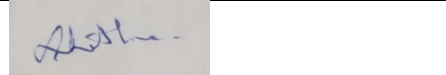
3. Addition of New Lab Experiments in R2018 Courses
 - Existing list of experiments will be followed.
4. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
 - Chairman presented the agenda and department vision, mission, PEO, PO and PSO.
 - Action taken report of previous BOS meeting points were reviewed.
 - Dr. N.K.Karthikeyan suggested students to write a term paper at the end of the semester. This will make the students to explore the latest developments in that field.
5. Targets for CO / PO for Academic Year 2021-22
 - Planning to maintain the same target for the academic year 2021-22.
6. Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22
 - Planning to maintain the same panel of examiners for the academic year 2021-22
7. Members Recommendations for Implementing NEP 2020
 - Dr. B.Sivaselvan recommended electives(Science, Mathematics and Humanities subjects) option for students from the first year itself, apart from technical subjects, based on NEP 2020.
 - Dr. N.K.Karthikeyan recommended awareness programmes on NEP 2020 to educate the students and faculty members. It may be given as a one-credit course at institutional level.
 - Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022).
 - Mr. Prakash Subramaniam recommended the inclusion of (a) data profiling and (b) data storytelling in business context along with data visualization to help students focus on business value as a topic or one credit course, as the narrative capability of students in the context of business as this is an important skill for the data scientists.
 - Dr. P.Bhagavathi Sivakumar suggested to change the Machine Learning course as an embedded course.
 - All the members recommended to follow the latest edition of books as reference books in the syllabus. Web materials and reputed conference proceedings/journal papers can also be given as references.
8. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery
 - All the members recommended online tools for lab conduction and assessment.

9. Best Practices followed in (External) Member's Institutions

- Dr. P.Bhagavathi Sivakumar suggested to involve industry experts from the inception of the project.

10. Any other matters (with the permission of Chairman, BoS) - Nil

S.No	Members	Digital Signature
1	Dr. M.Alamelu, ASP & HoD	
2	Dr. N.K.Karthikeyan, Professor & HoD, Department of Information Technology, Coimbatore Institute of Technology, Coimbatore	
3	Dr.P. Bhagavathi Sivakumar, Associate Professor Vice Chairperson, Computer Science School of Engineering, Amrita University, Coimbatore	
4	Dr.T. S. Pradeep Kumar, Associate Professor, School of Computer Science and Engineering, VIT, Chennai	
5	Dr.C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	
6	Dr. B.Sivaselvan, Associate Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kanchipuram	Digitally signed by Dr B Sivaselvan DN: cn=Dr B Sivaselvan, o=IIITDM Kancheepuram, ou=Dept of CSE, email=sivaselvanb@iiitdm.ac.in, c=IN Date: 2021.06.21 20:03:53 +05'30'
7	Mr. Vidhya Prakash Sivashanmugam, Systems Development Manager, Amazon, Hyderabad	Vidhya Prakash Sivashanmugam

8	Mr. Prakash Subramaniam, Principal Consultant, Thought Works, Coimbatore	
9	Mr. K. Dhandapani, Senior Associate, Robert Bosch, Coimbatore	 Recoverable Signature X Dhandapani K Dhandapani Kumar Signed by: Dhandapani K
10	Mr.S.Sasi Kesavan, Software Development Engineer, Amazon, USA	
11	Dr.L.Latha, Professor/CSE, KCT	

Distribution

- 1.All members-with request to give their comments on the minutes
- 2.Convener

Copy for kind information

- 1.Chairman-Academic Council and Principal
- 2.Correspondent
- 3.Joint Correspondent

Minutes of the Meeting

XX Board of Studies - MBA Program

Saturday 19, 2021 | MS Teams (10 AM – 12.45 pm)

The XX Board of studies meeting for Department of Management Studies, Kumaraguru College of Technology, Coimbatore was held on Saturday 19th June 2021 from 10.00 AM to 12.45 PM via MS Teams to discuss and approve for the

- a) Presentation of new regulation, curriculum, and syllabus of MBA 2021 [R21] and
- b) Presentation of proposed amendment of regulation and curriculum for MBA (IEV) 2020

Members Present

1. Dr. Mary Cherian, Head of Department, KCT.BS – BoS Chairman
2. Dr. Thamaraiselvan Natarajan - Professor, Department of Management Studies, NIT Trichy.
3. Prof. Unnat P. Pandit - Professor of IP, Innovation & Entrepreneurship, Atal Bihari Vajpayee School of Management, JNU, Delhi
4. Dr. Chitramani P - Professor & Academic Expert, AIHSHEW, Coimbatore.
5. Dr. Easwaramoorthy Rangaswamy - Principal & Provost, Amity Global Institute, Singapore 238466.
6. Mr. Ravi K - Chief Finance Officer, Roots Industries Ltd., Coimbatore
7. Mr. Dinesh Kumar S. K. - Project Lead, Lantrasoft Pvt. Ltd. CBE.
8. Ms. Krishna Rubigha - Founder, CEO Ampere Voltage Consulting Pvt. Ltd., CEO - ISES.R.
9. Dr. Joseph V Thanikal – Director, KCT
10. Dr. S. Swaminathan – Professor & Head Corporate Relations KCT.BS
11. Dr. V Kannan, Professor, KCT.BS
12. Dr. V Shripria, Professor, KCT.BS
13. Dr. R. Vinayagasundaram – Associate Professor, KCT.BS
14. Dr. S.Jaishankar - Associate Professor, KCT.BS
15. Dr. V. Kaarthikeyan - Associate Professor, KCT.BS
16. Dr. S. Sangeetha - Associate Professor, KCT.BS
17. Dr. B. Poongodi – Assistant Professor, KCT.BS
18. Dr. Latha A - Assistant Professor, KCT.BS
19. Dr. Deepa M - Assistant Professor, KCT.BS
20. Dr. Mohanamani P - Assistant Professor, KCT.BS
21. Mr. Sanjiv Srinivasan - Assistant Professor, KCT.BS
22. Mr. Vivek Raj S.N. - Assistant Professor, KCT.BS
23. Ms. Madhumathy S- Assistant Professor, KCT. BS
24. Dr. Lakshmi Meera - Program Director [MBA-IEV] FORGE
25. Dr. P Nalini - Assistant Professor & Program Manager [MBA-IEV] FORGE

Apologies Received:

1. Mr. Dinakar Das - Managing Director - Amplifi, Greater Jakarta Area, Indonesia.
2. Mr. Adarsh Natarajan - CEO & Founder at Aindra Systems.
3. Dr. V.R. Nedunchezian, Professor, KCTBS

Proceedings of the Meeting

Agenda Item No: 20 BOS - 1: Welcome

Dr. Mary Cherian welcomed the gathering and introduced the guests for the Board of Studies meeting. The context was set to discuss about the new regulations proposed for MBA – Regulations 21 and amendments proposed for MBA [IEV] – Regulations 2020

Agenda Item No: 20 BOS -2: Review and Approval of the minutes of IXth BoS. [MBA]

Dr. V. Kaarthikheyan presented the minutes of meeting and Action Taken report for MBA of the IXth BoS conducted on 20th November 2020 for approval. The minutes of the IXth Board of Studies for MBA were reviewed and approved by the board.

Agenda Item No: 20 BOS -3: Review and Approval of the minutes of IXth BoS [MBA-IEV]

Dr. Nalini P presented the minutes of meeting and Action Taken report for MBA [IEV] of the IXth BoS conducted on 20th November 2020 for approval. The minutes of the IXth Board of Studies for MBA[IEV] were reviewed and approved by the board.

Agenda Item No: 20 BOS 4: Briefing on Curriculum and Syllabus Revision Process for Regulations 2021

Dr. A. Latha briefed upon the various processes, measures and more specifically the adoption of guidelines recommended by AICTE exam reform policy for developing an outcome-based curriculum. She also iterated the contribution of various segments of stakeholders including Industry mentors, faculty experts and Alumni in designing the new regulation and curriculum 2021.

Dr. A. Latha further discussed in detail the process adopted in revising the existing Mission, Vision, program educational objectives, Program learning outcomes and the methodology adopted in identifying competencies and performance indicators for the entire program. She also has explained the necessity for including new courses and updating existing courses listed in 2017 regulations in new curriculum. Further the importance of revising course objectives, writing measurable course outcomes using bloom taxonomy verbs at knowledge, skill, and behavior level, Mapping course outcomes with Competencies, Performance indicators, Program outcomes and program educational outcomes, identifying appropriate assessment tools for enabling students to acquire competencies identified was also discussed and deliberated as follows:

a. New Vision and Mission Statement

New vision statement “To be a school of excellence creating transformative educational experience shaping future leaders”

New Mission Statement “Education focused on disciplinary knowledge, problem solving, leadership, interpersonal skills, and wellbeing. Develop managers with professionalism and ethics”

New Values Statements

“Be the Solution: Brings in new ideas and solutions that push our thinking into new territory

Champion Change: Identifies and implements external best practices, new ideas and plans that will prepare our organization for the future

Agility: successfully lead organizations in a world that is increasingly complex and uncertain

Trust: Earns credibility and trust, influencing employees, members and stakeholders to support organization.”

b. The new curriculum was structured with

- **4 Program Educational Objectives**

PEO1: Demonstrate managerial abilities to improve business performance by driving client centric culture in the organization

PEO2: Exhibit high level of competencies required to manage multiple business sectors across the globe

PEO3: Demonstrate ability to implement best corporate Governance Practices as a true leader by maintaining social values and Business ethics

PEO4: Exhibit Entrepreneurial and lifelong learning qualities for achieving continuous success in business

- **5 Program Outcomes**

PLO1: Demonstrate managerial competencies to overcome critical business challenges

PLO2: Utilize conceptual, analytical, and critical thinking skills for effective decision making with a global perspective

PLO3: Exhibit appropriate leadership skills to work with multidisciplinary team for the achievement of organization goal

PLO4: Practice appropriate professionalism and ethical behaviour for an assigned situation

PLO5: Adapt entrepreneurial and innovative thinking for business and socio-economic development

- 25 Competencies grouped in five major domains.

Business Acumen(C1)	Legal aspects of Business(C2)	Problem solving & Decision-Making Skills(C3)
C1.1 Business -Core Knowledge	C2.1Business Law	C3.1 Business Research
C1.2 Functional Knowledge	C2.2Intellectual property rights	C3.2Analytic Thinking
C1.3 Business Strategy	C2.3Exim Policy	C3.3Innovation
C1.4Global Perspective	C2.4Company registration	C3.4Critical thinking
C1.5Technology skills	C2.5Quality standard certification	
C1.6Business current affairs		

Leadership & Behavioral Skills(C4)	Business Ethics & Social Responsibility(C5)
C4.1Communication	C5.1Corporate governance
C4.2Leadership & Peer collaboration	C5.2Professional Behavior
C4.3 Negotiation	C5.3Ethical Social responsibility
C4.4Conflict Management	C5.4Environmental consciousness
C4.5 Emotional Resilience	C5.5Sustainable practices

25 Performance indicators

Competency code	Performance Indicators
Business Acumen (C1)	
C1.1	Demonstrate broad conceptual knowledge in various core managerial domains
C1.2	Demonstrate knowledge in the functional area of specialization
C1.3	Provide evidence of practical application of Managerial knowledge to formulate an effective strategy to overcome the given Business challenges
C1.4	Demonstrate an ability to understand the emerging pattern in the global market and formulate strategies in line with these trends
C1.5	Display ability to use advanced technologies for executing various managerial functions
C1.6	Demonstrate knowledge in Business and economics current affair
Legal aspects of Business (C2)	
C2.1	Demonstrate an understanding of legal aspects of business
C2.2	Demonstrate knowledge on the procedure to be followed for obtaining Intellectual property rights
C2.3	Demonstrate an understanding of guidelines to be followed for import and export of goods
C2.4	Demonstrate knowledge on the procedural aspects to be followed for registering a company in India
C2.5	Demonstrate knowledge on the procedure to be followed for obtaining quality standard certificates
Problem solving & Decision-Making Skills(C3)	
C3.1	Propose a solution to a real problem of significance in business by conducting research studies.
C3.2	Display ability to Use appropriate analytic techniques to gain meaningful insights from the data for solving complex business problems
C3.3	Display innovative thinking abilities in decision making
C3.4	Display critical thinking abilities in solving the decision making
Leadership & Behavioral Skills (C4)	
C4.1	Display competence in oral and written communication
C4.2	Display ability to achieve the organization goals by leading self and others
C4.3	Practice negotiation skills to build a long-term relationship with various stakeholders of professional and personal life
C4.4	solve the conflicting issues arising within the team more constructively.
C4.5	Display ability to Manage stressful situations that arise in personal and professional life with ease and bounce back from hardship quickly
Business Ethics & Social Responsibility (C5)	
C5.1	Provide evidence on the practical application of ethical principles to formulate corporate governance practices
C5.2	Display Professionalism in behavior
C5.3	Demonstrate an ability to understand and imbibe ethical codes in Business practices and formulate strategies that are beneficial for the society
C5.4	Demonstrate an understanding and concern on ecological issues and display environmentally friendly behavior in personal and professional life
C5.5	Apply principles of sustainable development to formulate business practices for the known case studies

Agenda Item No: 20 BOS 5: Presentation of the new Curriculum and Syllabus Revision for Regulations 2021.

With precedence to item 4 as mentioned above, Dr. Latha tabled the new curriculum, program structure and regulations to come into effect for the students admitted from AY 2021-22 onwards. The BoS discussed the course structure and course contents of the proposed changes in the forthcoming MBA curriculum to be implemented from the academic year 2021-22 onwards. [Annexure 1]

a. Details of Credits of Courses

The Course outcomes of the individual courses proposed for the First years Batch 2021 onwards was mapped with the respective Competencies, Performance indicators, Program objectives and Program Education objectives. The courses were categorized as Core (58 Credits), Functional Core (12 Credits), Functional Optional (12 Credits), Open Elective (10 Credits) and Project (12 Credits) totaling to 104 Credits. Extra credit courses of 6 credits will also be offered to students.

b. Credit System and Hours

The course delivery proposed were Lecture (10 -12 Hours/ One Credit Unit), Tutorial (10 -12 Hours/ One Credit Unit), Practical (20 -24 Hours/ One Credit Unit), Self-work-Field work (20-24 Hours/ One Credit Unit) and Project Hours (50-60 Hours/ One Credit Unit)

The Assessment and Examinations for 1 Credit, 2 Credits, 3 Credits and 4 Credit papers will remain same as per previous curriculum and the End Semester will be conducted for 2 hours in written or Online mode.

Agenda Item No: 20 BOS 6: Amendment of Curriculum and Syllabus [MBA-IEV]

Dr. Nalini P presented the amendments for curriculum and syllabus as suggested by the IXth Board of Studies. In addition, the course structure (core and elective courses and syllabus) for IIIrd and IVth, semesters and the corresponding process of defining program competencies, performance indicators with Program Learning Outcome and Program Educational Objectives were presented and discussed.

R-2020	R-2020 Amendments
1.3 Semester- Wise Credit Distribution – Core -32, Elective -12	1.3 Semester- Wise Credit Distribution – Core -30, Elective - 14
1.3. Semester- Wise Credit Distribution - Semester I – 28, Semester II - 28, Semester III- 24, Semester IV- 24	1.3. Semester- Wise Credit Distribution - Semester I – 26, Semester II - 24, Semester III- 30, Semester IV- 24
1.4 Credit Hours – L-Lecture and P- practice was only described	1.4 Credit Hours - Revised credit hours as per AICTE guidelines and credit mapping to L, T, P,FW,SW &PJ
1.5 Credit Flexibility – Semester wise credit flexibility in II semester is 26-32 , Semester 3 is 20-28	1.5 Credit Flexibility – Semester wise credit flexibility in II semester is 26-30, Semester 3 is 20-32

<p>3.3.1 -Students can gain a maximum of 50 marks through CA for all 2 and 1 credit courses</p>	<p>3.3.1 Students can gain a maximum of 50 marks through CA for all 2 and 1 credit courses - Out of which 50% is evaluated in Formative - Continuous Examination Scheme and remaining 50 % is assessed in Summative Continuous Examination Scheme.</p>
<p>---</p>	<p>3.3.4 Practical courses (P): Few of the enabler courses and E-SAP (Entrepreneurship Skill Activation Programs) courses are offered as a practical course, all these courses have continuous assessment marks where Students can gain a maximum of 50 marks. All the enabler courses offered under practical mode will have Continuous assessment marks as indicated in 3.3.1</p>
<p>---</p>	<p>1.3.3. In case if the student is not participating in any external/ outside events as part of active learning they are allowed to do any E- SAP electives (Entrepreneurship Skill Activation Program) to earn the required credits.</p>

Agenda Item No: 20 BOS 7: Curriculum and Syllabi MBA Regulations 2021 Perspectives - Discussions

The members suggested the following improvisations on the contents of the courses listed within. (Annexure1). Given below are some of notable suggestions given by the members of the board.

7.1 MBA

- 7.1.a.** Mr. Ravi K - Recommended to include the courses on Ethical behaviour, professionalism, GST, Monetary Mechanism
- 7.1.b.** Prof. Unnat P. Pandit recommended to introduce courses on Cryptocurrency, Fintech Management, Bankruptcy Code, WTO and EXIM regulations
- 7.1.c.** Ms. Krishna Rubigha wanted to address the fatigue caused to students who are undergoing online classes for longer durations
- 7.1.d.** Dr Easwaramoorthy Rangaswamy- addressed about plagiarism and suggested to have maximum of 3 percent of plagiarism from one source, recommended to introduce courses on legal aspects, green skills, green economy and sustainability. Appreciated about the initiatives taken for identifying Program Learning objectives and suggested to provide adequate training for faculty to equip them to with new courses and with flipped classroom pedagogy.
- 7.1.e.** Dr. Chitramani P recommended to include process-oriented courses such as Block chain, ERP and OS based courses and on Artificial Intelligence and emphasized for International Professional certification to students. She also asked to focus on Industry based Research
- 7.1.f.** Dr. Thamaraiselvan Natarajan suggested to measure plagiarism more in terms of attitude and advised to look for the change in thinking of students.
- 7.1.g.** Mr. Dinesh Kumar S. K. emphasized the importance of internship for MBA Graduates.

7.1.h Dr. Mary Cherian asked for the inputs to implement the New Educational Policy 2021 for the KCT.BS New Curriculum 2021. The Board responded to wait for some more time to get more understanding on the New Educational Policy before implementation.

7.2 MBA [IEV]

7.2.1 Topics on LLP -Limited Liability Partnership & Taxation can add to the company affairs and Law course based on its relevance in course focus.

7.2.2. A skill course/ topic on Stress management can be added.

7.2.3. Through Industry institution partnership the students can be allowed to do their Externship I & II continuously. This opportunity will encourage them to apply their learning in real-time.

7.2.4 The following course titles were suggested for Elective courses.

- Decision dilemma & understanding on taking tough business calls
- CEO Roles and responsibilities
- Understanding Employee Psychology

Agenda Item No: 20 BOS 8: Concluding Remarks

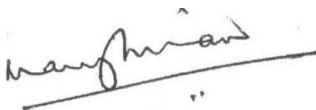
With the above discussion, the chairman of the board Dr. Mary Cherian expressed her deepest sense of gratitude to all the members for a lively and purposeful discussion and for the points and suggestions given by the Board Members. Since there were no other points to discuss the meeting was closed and vote of thanks was called for.

Agenda Item No: 20 BOS 9: Vote of Thanks

Meeting ended with vote of thanks by Dr. Lakshmi Meera- Program Director [MBA-IEV] FORGE

Dr. V. Kaarthikheyan facilitated the entire proceedings.

Approved




(Dr. Mary Cherian)
Prof & Head
Chairman BoS
KCT Business School
Kumaraguru College of Technology

Minutes of the Meeting

XX Board of Studies - MBA Program

Saturday 19, 2020 | MS Teams (10 AM – 12.45 pm)


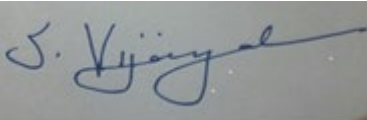



APPROVAL OF THE MEETING OF THE MINUTES

S. No	Name of the External Member	Designation	Signature
1	Dr. Thamaraiselvan N Professor, Department of Management studies National Institute of Technology, Tiruchy-620015	Anna University Representative	
2	Prof. Unnat P. Pandit Professor of IP, Innovation and Entrepreneurship, IPMC, JNU Concurrent Professor, Atal Bihari Vajpayee School of Management and Entrepreneurship, Jawaharlal Nehru University (JNU)	Subject Expert	
3	Dr. P. Chitramani Professor, Department of Business Admn., Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043	Subject Expert	
4	Mr. K. Ravi Chief Financial Officer, Roots Group of Companies, Coimbatore – 641006.	Industry Representative	
5	Mr. S K Dhineshkumar Project lead, Lantrasoft P. Ltd., Coimbatore – 641018.	Industry Representative	
6	Dr Easwaramoorthy Rangaswamy Principal & Provost, Amity Global Institute 101 Penang Road, Singapore 238466	Special Invitee	
7	Ms. Krishna Rubigha Founder, CEO Ampere Voltage Consulting Pvt Ltd. CEO (India) International Society for Energy and Sustainability Research (ISESR)	Alumni	

KUMARAGURU COLLEGE OF TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)
Coimbatore -641049

Minutes of Board of Studies

The Board of Studies Meeting for Computer Applications was held on 05/06/2021 at 10:30 A.M. Through Online Mode.

Sl.No.	Details of Expert	Signature
1.	<u>Chairman - BOS</u>	
	Dr.M.Manikantan, Associate Professor, Head of Department, Department of Computer Applications, Kumaraguru College of Technology, Coimbatore.	
2.	Name of the University Nominee	
	Dr.S.Vijayalakshmi Professor, Department of Computer Applications, Thiagarajar College of Engineering, Madurai-625 015 Email: svlce@tce.edu	
3	Name of the expert nominated by Academic Council (outside the Parent University)	
	1. Dr. Vasanthi Kumari P, Associate Professor, Department of Computer Applications, School of Engineering, Dayananda Sagar University, Kudlu Gate, Bangalore , Email : vasanthi-bca@dsu.edu.in. Mobile:9894113413	
	2. Dr. Nageswara Gupta M, Senior Associate Professor, School of Computer Science and Engineering, VIT Bhopal University, Bhopal, Madhya Pradesh, Email : Nageswara.gupta@vitbhopal.ac.in, Mobile:9843255706	
4.	Representative from Industry/corporate sector/allied area relating to placement	
	Mr. Madhan Kumar .R Service Delivery Manager Robert Bosch Engineering and Business solutions Ltd., Tidel Park ,Coimbatore 641014 Email: Madhankumar.rajendran@in.bosch.com Mobile:9994483332	

	Post Graduate Meritorious Alumni Nominated by Principal	
5.	Mr. Senthil Kumar G, Team lead associate Zoho Corporation Pvt. Ltd. Chennai Email: Senthilkumar.g@zohocorp.com Mobile: 9952423337	G. Senthil Kumar
	BOS Co-Ordinator's	
6.	1.Dr.P.Parameswari,AP[SRG]/MCA,KCT 2.Ms.M.C.S.Geetha,AP/MCA,KCT	
	Specialization – Data Analytics Dr.V.Geetha, Professor, Department of Computer Applications, Kumaraguru College of Technology, Coimbatore – 641049.	
	Specialization – Software Engineering Dr.S.Hameed Ibrahim,AP[SRG], Department of Computer Applications, Kumaraguru College of Technology, Coimbatore – 641049.	
7.	Specialization – Security Dr.W.JaiSingh, Assistant Professor (SRG), Department of MCA, Kumaraguru College of Technology Coimbatore-641049 Email: jaisingh.w.mca@kct.ac.in	
	Specialization – Network Dr.L.Dhanabal, Assistant Professor (SRG), Department of MCA, Kumaraguru College of Technology , Coimbatore-641049 Email: dhanabal.l.mca@kct.ac.in	
	Faculty Members of MCA 1.Dr.J.Vijay Prakash, Associate Professor & (COE)KCT 2.Dr.C.Rajan Krupa ,AP[SRG]/KCT 3.Dr.R.K.Kavitha,AP[SRG]/KCT 4.Dr.N.Jayakanthan,AP[SRG]/KCT 5.Ms.V.Jalaja Jayalakshmi,AP/KCT 6.Ms.M.Amala Jayanthi, AP/KCT 7.Mr.C.Ramachandran,AP/KCT	
8.		
9.	Student Representatives 1.Ms. Harshanaa K J (20MCA020) 2.Mr.Vijay Kumar M (18MCA004)	

The Chairman formally welcomed the gathering.

The Board of Studies held discussions on the Curriculum for two year MCA programme (Four Semesters) and Syllabus for Semester 3 & 4, Electives Courses, One credit Courses ,PEO's ,PO's and Bridge Courses.

- The Board held the proposal on the syllabus for semester 3, 4, Elective courses, One credit courses and Bridge courses of the 2-year MCA programme.
- Dr. P. Parameswari, the BOS coordinator made a walkthrough on the syllabus for semesters 3, 4, Elective courses, One credit courses and Bridge courses.

General Comments:

Panel members suggested to replace the elective course Semantic Web Technologies with courses like Quantum Computing , HealthCare Technologies or some other course relevant to the current industrial need.

Semester - III:

1. Members suggested to change the textbook for the course “Ethics in Computing” if possible with latest edition after September 2019, Since new amendments are included in the new edition. Action verbs in Cos can be changed.
2. Members suggested to include generic names and remove commercial or brand names in the course “Cloud Computing“. The members also proposed to include firebase, ERP based cloud applications like SAP and HANA.
3. Members suggested that the course “Artificial Intelligence” is very vast ,so the course content can be reduced. 4th unit can be divided into 2, 5th unit can be moved to 1st unit. The topic named Reinforcement Learning can be changed to overview of Reinforcement Learning.

Electives:

4. Members suggested to include the pre-requisites in the Elective papers. Electives classification can be done if possible.
5. Members suggested to include the Virtual Reality Lab or demo for the course “Mixed Reality” and also recommended that the practical component can be included.
6. Application development and group presentation can be given for the students with assignments.
7. Semantic Web can be combined with Web technologies, or it can be replaced with other subjects, since many concepts are outdated.

8. In the Middleware Technologies, deprecated topics can be removed. This subject can be added with the bridge course instead of elective.
9. Robotic Process Automation can be made as a mandatory Elective since the students placement requirement are more in the software organizations. The members suggested to attach industry person to teach these type of courses.
10. The members suggested to expand the title UI & UX.

One credit courses:

11. All the evaluation details have to be maintained.
12. Certification like Project Management, Service Management and Languages like German, Japanese can be included.

Question Paper Setters and Pattern:

13. Question Paper Pattern was discussed with BoS members.
14. Question Paper Setters and examiner panel for 2nd, 4th & 6th semesters were approved by BoS members.

General:

15. Discussed about stakeholders' feedback on curriculum and syllabus.
16. Further the panel discussed on upgradation of infrastructure and teaching aids to aid content delivery and the best practices followed in member's institutions.



**Dr.M.Manikantan, Head
(Chairman, BOS MCA)**

Copy to:

The Convenor,
All the External Members.
All the Internal Members – by circulation.
The Chairman – Academic Council.
The Principal.
The Head Autonomous



KUMARAGURU COLLEGE OF TECHNOLOGY
COIMBATORE– 641 049
(An Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF MECHATRONICS ENGINEERING

Ref: KCT/MCE/BOS/MOM

Date: 14.06.2021

MINUTES OF THE 17th BOARD OF STUDIES MEETING

- The Board of Studies Meeting for Mechatronics Engineering was held on June 12th 2021 at 10.30 AM in Online mode (Google Meet).
- **External Members:**

Dr. R Velavan
University Nominee,
Professor
Department of Mechanical Engineering
PSG College of Technology
Peelamedu, Coimbatore-641004
Email: vel.mech@psgtech.ac.in
Ph No:9443059745

Dr. C. Sathiya Narayanan
Academic Expert
Associate Professor,
Production Engineering Department,
NIT Trichy - 620 015
TamilNadu , INDIA
Email: csathiya@nitt.edu
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Dr.P.Magaiyarkarasi
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Associate Professor
Department of Electronics and Instrumentation Engineering
Government College of Technology,
Coimbatore
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Ph no: 9095429218

Mr Senthil Prakash
Industry Expert
CEO
Spark Drives and Automation
Athipalayam Road Chinnavedam Patty,
Coimbatore - 641049
Tamil Nadu, India

Email: senthil@sparkdna.in 9943436544

Mr.N. Indrajith

Alumni

Software Engineer

Robert Bosch

Coimbatore

Email : nindrajith7@gmail.com

Ph No:9626465304

Mr.V Sai Prsanth

Final Year

Internal Members

Dr. M. Saravanamohan , Head of the Department
Dr. R. Venkatesan , Professor
Dr. A. Vasuki , Professor
Dr. K. Akila , Associate Professor
Dr.B. Sabitha , Assistant Professor (SRG)
Mr.A.Ramkumar , Assistant Professor II
Mr. T. Suresh , Assistant Professor II
Mr. K. Murugesan , Assistant Professor
Mr. R. Raffik , Assistant Professor
Mr. R. Saravanan , Assistant Professor
Mr. P. Anush , Assistant Professor
Mr.P. Magudapathi , Assistant Professor
Mr. J. Sivaguru , Assistant Professor

Dr. M. Saravana Mohan, Chairman of BOS welcomed the members of the Mechatronics Engineering Department Board of studies meeting and highlighted the importance of Regulations 2018(R18).

The main objective of this meeting was to discuss about the

1. Action taken report on previous BOS meeting.
2. Introduction of new One Credit Courses / Program Electives / Open Electives
3. Addition of New Lab experiments in R2018 Courses
4. Stakeholders feedback and the changes recommended on (i) PEOs/PSOs, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods
5. Targets for CO / PO for Academic Year 2021-22
6. Approval of panel of examiners for QP Setting / Lab Exams for AY 2021-22
7. Members recommendations for implementing NEP 2020.
8. Members deliberation on perceived gaps in existing curriculum and syllabus & suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

9. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.
10. Best Practices followed in (External) Members' Institutions

The following points were discussed:

Head of the department welcomed and introduced the external members.

- Department BOS Coordinator started the meeting with the objective of the BOS meeting.
- BOS coordinator discussed about the previous BOS meeting minutes and the action taken regarding the subjects was discussed.
- The PAC meeting minutes about the vision, Mission, PSOs and PEOs statement changes for the R22 were discussed.
- BOS coordinator explained the AICTE credit system and Mechatronics Engineering discipline credit system.
- BOS Coordinator introduced the new open elective and new professional elective.
- Adding to it, PAC minutes and DAB meeting minutes were discussed.
- The Panel of examiners for QP setting was discussed.
- University nominee suggested to rephrase the Vision statement related to society
- Subject expert also suggested to reframe the PEO2.

Members suggestion for R2022:

- In electronics devices and circuit in 1st Unit title should be DC circuit Analysis and 2nd Unit title is Semiconductor devices. Reference books editions are recommended to be updated. In lab, open-source tools to be used.
- In fluid mechanics, Bernoulli's theorem application content need to be included.
- In sensor and signal conditioning, Course outcome CO 4 and 5 has same objective and can be merged to one. Signal conditioning of some transducers to be given in the 5th unit. In 4th Unit, Bio signals can be added.
- In digital and microprocessor, memory and I/O interfacing, addition of ADC interface is recommended.
 - Industrial electronics and drives, VFD drives content to be added.
 - In control engineering, Automatic control is process control strategies, regarding process, set point, degree of freedom and advanced control system need to be added.
 - PLC experiment is added in fluid mechanics subject but PLC taught only in 5th

semester. So subject expert requested to view it and make appropriate changes.

- In computer aided manufacturing FMS topic should be in separate unit.
- In robotics engineering subject, Robotic power systems topic is missing and to be added.
- Members suggested to give Automotive electronics as a compulsory elective.
- In maintenance engineering subject, smart Maintenance topic can be added.
- In Medical electronics more bio signal instruments can be included.
- MEMS subject title can be MEMS dynamic and control which can be related to Mechatronics.
- In open elective Magic and Mechanics, the hours allocated should be evenly done.
- Members suggested to have Arial robotics as one of the professional elective.
- CO in all subjects should be more common to all level.
- Condition monitoring subject to be taught more practical oriented.
- NPTEL Coordinator explained the progress of the student's participation in NPTEL.

Amendment:

- Constitution of India course is moved to 6th Semester for the benefit of the lateral entry students and the subject code is changed to U18INT6000.

Discussion on NEP2020:

- Improve students research and product development funded by KCT.

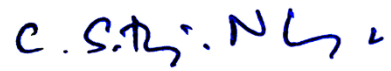


Chairman-BOS

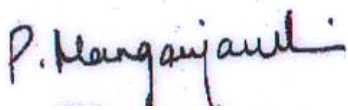
Department of Mechatronics Engineering



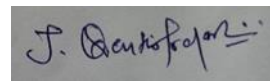
Signature of the University Nominee



Signature of Academic expert



Signature of Subject expert



Industry member



Alumni Member



Student Member



07-06-2021

MINUTES OF BOARD OF STUDIES MEETING

Department: Mechanical Engineering

Programme: B.E Mechanical Engineering

M.E Industrial Engineering

Venue: Online mode - Google meet (meet.google.com/rsp-uuzk-qjv)

Date: **5th June 2021**

Time: 10:00 AM

Agenda:

The agenda of this BOS meeting are discussion on

- Vision, Mission, PEOs, POs and PSOs
- Action taken for the Previous BOS Meeting
- Introduction of New One Credit Courses, Programme Electives and Open Electives, Addition of New Lab Experiments in R2018 Courses
- Innovative Teaching practices, Learning and Assessment Methods
- Targets for CO / PO for Academic Year 2021-22
- Approval of Panel of Examiners for QP Setting and Lab Exams for AY 2021-22,
- Members Recommendations for Implementing NEP 2020, Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022), Members inputs towards upgradation of infrastructure, teaching aids to complement content delivery and Best Practices followed in (External) Member's Institutions.

The following members except alumni nominee are attended for the Board of Studies (BOS) meeting and lend their valuable contribution.

Sl.No	Name of the Advisory Board Member	Designation/Designation as per UGC	Address
1	Dr.C.Velmurugan	Professor and Head	Professor and Head Department of Mechanical Engineering Kumaraguru College of Technology Coimbatore-641049 E mail: velmurugan.c.mec@kct.ac.in Ph.No: 9894167740
2	Dr.V.Selladurai	AU Nominee	Professor Department of Mechanical Engineering, Coimbatore Institute of Technology, Civil Aerodrome Post, Coimbatore -641 014 Email: profvsdcit@yahoo.com, principal@cit.edu.in Mobile : 93632 27757
3	Dr. S. Jayaraj	Academic Expert- Subject Expert	Professor Department of Mechanical Engineering National Institute of Technology Calicut – 673 601. Email: sjayaraj2002@gmail.com sjayaraj@nitc.ac.in Ph.No: +91-9400487134
4	Dr.T.Ramprabhu	Expert from Industry	Deputy Director DRDO Bangalore-560093. E mail:ramprabhu.t@gmail.com Ph.No:9535531407
5	Dr. S. Senthilvelan	Academic Expert- Subject Expert	Professor and Head, Department of Mechanical Engineering Indian Institute of Technology Guwahati Guwahati 781039 Assam, India Email: sselvan@iitg.ac.in Phone: +91 361 2582671, 9435543128
6	Mr.S.Dhatchinamoorthy	Alumni Nominee	Senior CFD Analyst

			FORD Technology Services Chenna-, India Email: moorthymechaero@gmail.com Ph.No: 9566295022 (He could not be able to join because of health problems)
7	Mr.S.Sivakumar	Faculty member from allied department - Special Invitee	Associate Professor and Head Department of Automobile Engineering Kumaraguru College of Technology Coimbatore-641049 Email: sivakumar.s.auto@kct.ac.in PhNo: 9444283430
8	Mr.B.Praveen	Student Representative-UG	18BME092 Secretary- Mechanical Engineering Kumaraguru College of Technology Coimbatore-641049 Email:praveen.18me@kct.ac.in PhNo: 9626149621
9	Mr.M.Logadeepan	Student Representative-UG	17BME230 Association Coordinator- Mechanical Engineering Super 60 Email:logadeepan.17me@kct. ac.in Ph No:7397578153
10	Mr.K.R.Pavinkumar	Student Representative- PG	M.E Industrial Engineering
11	Mr.S.Bhaskaran	Parent Nominee	Indian Nippon Electricals Limited, Housr. Parent of Mr.B.Praveen, III- B.E Mech
12	Mrs.A.Stella Viji Madam	Parent Nominee	Parent of Mr.Joshua Peter, III-B.E Mech
13	Dr.B.Senthilkumar	Associate Professor BOS Convenor-UG	Department of Mechanical Engineering,KCT
14	Dr.M.Balaji	Associate Professor BOS Convenor-PG	Department of Mechanical Engineering, KCT
15	Dr. V.Muthukumaran	Professor NBA Coordinator	Department of Mechanical Engineering, KCT
16	Dr.R.Manivel	Professor Thermal Module Coordinator	Department of Mechanical Engineering, KCT

17	Dr.P.Sathyabalan	Professor Design Module Coordinator	Department of Mechanical Engineering, KCT
18	Dr. N.Sangeetha	Sr Associate Professor Programme Coordinator	Department of Mechanical Engineering, KCT
19	Dr. S. Bhaskar	Associate Professor	Department of Mechanical Engineering, KCT
20	Mr.T.R.Sukumar	Associate Professor Academic Coordinator	Department of Mechanical Engineering, KCT
21	Dr.K.M.Senthilkumar	Associate Professor Manufacturing and Industrial Engineering Module coordinator	Department of Mechanical Engineering, KCT
22	Dr. V.R.Muruganantham	Associate Professor	Department of Mechanical Engineering, KCT
23	Dr.S.Balasubramanian	Associate Professor	Department of Mechanical Engineering, KCT
24	Dr.S.Thirumurugaveeraku mar	Associate Professor	Department of Mechanical Engineering, KCT
25	Dr.K.Ulaganathan	Asst. Professor III	Department of Mechanical Engineering, KCT
26	Dr.S.Sivakumar	Asst. Professor III	Department of Mechanical Engineering, KCT
27	Dr. K.K.Arun	Asst. Professor III	Department of Mechanical Engineering, KCT
28	Mr. P.R. Ayyappan	Asst. Professor (SRG)	Department of Mechanical Engineering, KCT
29	Mr. S. Sivakumar	Asst. Professor II Department Online and Time table Coordinator	Department of Mechanical Engineering, KCT
30	Mr.M.Thirumalai muthukumar	Asst. Professor II	Department of Mechanical Engineering, KCT
31	Mr.T.Karuppusamy	Asst. Professor II	Department of Mechanical Engineering, KCT
32	Mr.M.A.Vinayaga Moorthi	Asst. Professor II	Department of Mechanical Engineering, KCT
33	Dr.A.P.Arun	Asst. Professor II	Department of Mechanical Engineering, KCT
34	Dr.V.Manivel Muralidaran	Asst. Professor II	Department of Mechanical Engineering, KCT
35	Mr.K.Krishnamoorthi	Asst. Professor II	Department of Mechanical Engineering, KCT
36	Mr.S.Ramanathan	Asst. Professor II	Department of Mechanical Engineering, KCT
37	Mr.B.N.Sreeharan	Asst. Professor II	Department of Mechanical Engineering, KCT

38	Dr.S.Balaji	Asst. Professor I	Department of Mechanical Engineering, KCT
39	Mr.S.Prabhu	Asst. Professor I	Department of Mechanical Engineering, KCT
40	Mr.M.Ramesh Kumar	Asst. Professor I	Department of Mechanical Engineering, KCT
41	Mr.S.Rajesh	Asst. Professor I	Department of Mechanical Engineering, KCT
42	Mr.R.S.Mohankumar	Asst. Professor I	Department of Mechanical Engineering, KCT
43	Mr.V.R.Navaneeth	Asst. Professor I	Department of Mechanical Engineering, KCT
44	Dr.P.S.Samuel Ratna Kumar	Asst. Professor I	Department of Mechanical Engineering, KCT
45	Mr.S.Prabhu	Asst. Professor I	Department of Mechanical Engineering, KCT
46	Mr.B.Jeeva	Asst. Professor I	Department of Mechanical Engineering, KCT
47	Mr.S.Subbiah	Asst. Professor I	Department of Mechanical Engineering, KCT
48	Mr.P.Karthi	Asst. Professor I	Department of Mechanical Engineering, KCT
49	Mr.P.Pradeep	Asst. Professor I	Department of Mechanical Engineering, KCT
50	Mr.P.D.Devan	Asst. Professor I	Department of Mechanical Engineering, KCT
51	Mr.P.Prashanth	Asst. Professor I Department Online and Time table Coordinator	Department of Mechanical Engineering, KCT
52	Mr.K.Manikanda Prasath	Asst. Professor I	Department of Mechanical Engineering, KCT
53	Mr.S.Suresh	Asst. Professor I	Department of Mechanical Engineering, KCT

The following points were discussed during the meeting.

1. Welcome Note and Introduction of Members by Chairperson

- Mr. M. A. Vinayagamoorthi invited Dr.C.Velmurugan to deliver the welcome address for the BOS Meeting.
- Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, UGC and Anna university Autonomy extension visits, Program Assessment committee (PAC) and Department Advisory Board (DAB) meeting outcomes and

recommendations, introduction of Internship and Inplant training in the 4th semester for the students admitted first year in 2020-2021, Highlights of National Education Policy 2020- Flexibility in course Selection, Curriculum integration of essential subjects, skills and capacity, financial assistantship for selected final year projects.

- Dr.V.Muthukumaran, Professor and NBA Coordinator, presented and discussed Institute Vision, Mission, Department Vision, and Mission statements, Programme Educational Objectives, Programme outcomes and Programme Specific Outcomes of B.E Mechanical Engineering Programme.

2. Syllabus - Updation and relevance to industrial, career requirement:

- Dr.B.Senthilkumar, BOS Convenor B.E Mechanical Engineering Programme presented the following Protosem courses along with its mapping and it is approved by the BOS Members.
- These Protosem course content were designed by industry personals to suit industry requirements and in content delivery industry personals will be involved.
 1. U18MEPS24 Coding for Innovators
 2. U18MEPS22 Robotics
 3. U18MEPS17 Startup Fundamentals
 4. U18MEPS23 Computational Hardware
 5. U18MEPS26 Industrial Automation
 6. U18MEPS11 Applied Design Thinking
 7. U18MEPS25 Prototyping Fundamentals
- The following one credit courses were presented for introducing in the R18 curriculum and it is approved by the BOS Members. In course delivery industry personals will contribute.
 1. U18MEC0001 Product Design and Development
 2. U18MEC0002 Smart Manufacturing

3. U18MEC0003 Nanotechnology: Mechanical Engineering's New Frontier
 4. U18MEC0504 ANSYS Multiphysics
 5. U18MEC0005 Renewable Energy
 6. U18MEC0206 Advanced Heat Transfer Enhancement Techniques
- To implement uniformity across the institution for the Mandatory non-credit course Environmental Science and Engineering the course code U18CHT4003 is renamed as U18CHT4000. This is applicable for regulations 2018.
 - Dr.M.Balaji, BOS Convenor M.E Industrial Engineering presented the Programme Educational Objectives, Programme Outcomes, Programme Specific Outcomes of M.E Industrial Engineering Courses. He also presented the curriculum and syllabus of R2021 M.E Industrial Engineering 1st to 4th semesters including elective courses. He also proposed to introduce a new elective course on P18IEE0025 Condition monitoring for PhD scholar based on the recommendations of doctoral committee meeting minutes.

3. Review of PAC meeting minutes and Target setting

- Dr.N.Sangeetha, Programme Coordinator Presented the calculation of Course Outcomes, Programme Outcomes and Programme Specific Outcomes Attainment of the theory, practical and embedded courses.
- Some of the curriculum gaps were identified and highlighted in PAC meeting. To address that, the Course content revision was proposed for the U18MEP7702 Mini Project / Phase I Project and U18MEP8702 Capstone Project / Internship / Phase II project.
- The curriculum changes were suggested for few courses such as Engineering Metrology and Quality Control, Computer Integrated Manufacturing in PAC were addressed and correspondingly mapping was changed.
- Dr.P.Sathyabalan Professor, Module coordinator of Design Engineering, Presented CO, PO and PSO attainment of the design courses handled by the faculty members and target for the academic year 2021-2022. Also highlighted important recommendations from design module.

- Dr.R.Manivel, Professor, Module coordinator of Thermal Engineering, Presented CO, PO and PSO attainment of the thermal courses handled by the faculty members and target for the academic year 2021–2022. Also highlighted important recommendations from Thermal module.
- Dr.K.M.Senthilkumar Associate Professor, Module Coordinator of Manufacturing and Industrial Engineering module Presented CO, PO and PSO attainment of the Manufacturing and Industrial Engineering courses handled by the faculty members and target for the academic year 2021–2022.

4. Examiner panel

- Mr.S.Rajesh, Assistant Professor-I, Presented the guideline for question paper setting by the internal and external expert members, question paper scrutiny and evaluation of answer script. He also presented the question paper setter panel list for both theory and laboratory courses for the Odd and Even Semester of the Academic Year 2021-2022 and the BOS members approved the panel list.

5. Innovations in Teaching Methodologies

- Dr.P.S.Samuel Ratna Kumar, Assistant Professor-I, presented the various tools and techniques such as MS TEAM, KITE, MY CAMU Software adopted in the institution to deliver the lecture classes in online mode.
- Along with the regular curriculum to meet the industries specific needs one credit courses were introduced, which has been highlighted earlier.

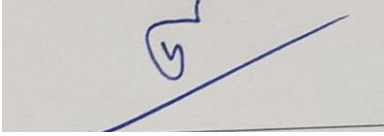
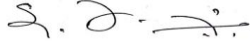
6. Curriculum – Discussion with BOS Academic experts



- Dr.V.Selladurai, Professor and Principal, CIT, Coimbatore, Anna University Nominee discussed about the importance of AICTE guidelines and Anna university rules and regulation for framing the curriculum and syllabus. He also discussed about the importance of Industrial internship for students. Interdisciplinary students projects can be encouraged for best outcomes.
- Dr.S.Jayaraj, Professor, Department of Mechanical Engineering, NIT Calicut, Academic Expert suggested to complete Engineering Graphics and other important laboratory courses in the online mode itself, instead of shifting it to



next semester to avoid overload to the students. He also discussed the course contents of M.E., Industrial Engineering courses.



- Dr.S.Senthilvelan, Professor and Head, Department of Mechanical Engineering, IIT, Guwahati, Academic Expert also shared the similar view on shifting the Engineering graphics course to next semester. Dr.B.Senthilkumar conveyed the possibility of inclusion of engineering graphics in the third semester and machine drawing theory and practical course in the fourth semester to avoid overload to the students.
- Dr.T.RamPrabhu, Deputy Director, DRDO, Industry Nominee insisted the importance of including one credit courses in the curriculum on emerging topics like Post processing and Non Destructive Testing (NDT) by certified trainers from Industries while framing the forthcoming curriculum and syllabus.
- Dr.T.Ramprabhu insisted on Industrial Exposure to the students and Industry personals mentorship's importance. Hence a new non-credit mandatory course on U18MEP4704 – Industrial Internship was introduced in the curriculum to be offered in the fourth semester for students admitted first year in the academic year 2020 – 2021 for enhancing the industrial exposure to all the students and it is approved by the BOS Members.
- Dr.S.Sivakumar, Associate Professor and Head, Department of Automobile Engineering, KCT, Special Invitee suggested to revise PEO 1 and PEO 2 for the M.E Industrial Engineering programme to be addressed in future.
- The BOS Members appreciated the work carried out by all the presenter and the teamwork by all the faculty members of mechanical engineering department.

7. Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.

	
Dr.V.Selladurai- Professor and Principal-CIT Anna University Nominee	Dr.S.Jeyaraj- Professor-NIT Calicut Academic Expert

	
Dr.S.Senthilvelan- Professor and Head IIT Guwahati Academic Expert	Dr.T.Ramprabhu- Deputy Director-DRDO Industry Nominee

	
Dr.B.Senthilkumar BOS Convenor- B.E Mechanical Engineering	Dr.M.Balaji BOS Convenor- M.E Industrial Engineering

	
Dr.C.Velmurugan Professor and Head- Mechanical Engineering	

Copy to:

1. Principal
2. Expert Members
3. Faculty Members of Mechanical Engineering
4. File

Date

BoS Coordinator

Venue



KUMARAGURU
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MINUTES OF BOARD OF STUDIES MEETING

Department: Mechanical Engineering

Programme: B.E Mechanical and Automation Engineering (New Programme for the Academic Year 2021-2022)

Venue: Online mode - Google meet (meet.google.com/qca-yzyy-kvu)

Date: 7th May 2021

Time: 09:00 AM

- Mr.M.A.Vinayamoorthi invited Dr.C.Velmurugan to deliver the welcome address for the BOS Meeting for the Approval of Curriculum and Syllabus of New programme on B.E Mechanical and Automation Engineering for the Academic Year 2021-2022.
- Dr.C.Velmurugan, Professor and Head delivered the welcome address by introducing the BOS Panel Members, Previous BOS meeting details, Program Assessment committee (PAC) and Department advisory board (DAB) meeting outcomes and recommendations. The Institute Vision, Mission, Department Vision, Mission, PEOs, POs and PSOs are discussed.
- Dr.B.Senthilkumar, BOS Convenor UG presented the proposed curriculum and syllabus of new programme on B.E Mechanical and Automation Engineering 1st Semester to 8th Semesters.
- Dr.V.Selladurai, Anna University Nominee discussed AICTE requirements and industry expectations. He also enquired about credits for the internship. He has gone through the curriculum and syllabus and found that it is inline with the industry expectations.
- Dr.S.Senthivelan, Academic Expert discussed about the pre-requisites specified for the courses. He also discussed about the importance of internships and inplant training for the students. He suggested to move Computer aided design and Manufacturing (U21MET2001) course from 2nd semester to 4th semester and shifting the Industrial

Design and Sketching (U21MET4004) course from second year to first year. He suggested to rename the course Thermal concepts for Manufacturing Engineers (U21MET3001) into Thermal Engineering.

- Dr.S.Jayaraj, Academic Expert suggested to include fluid power systems related theory course in the curriculum for better understanding of the automation concepts. Also he expressed satisfaction on the proposed curriculum and syllabus.
- Dr.T.Ramprabhu, Industry Expert discussed about the course content of U21MET3003, Special Manufacturing Processes. He suggested to include basics of manufacturing processes and rename the course as Manufacturing Processes with the same course code. He suggested to give exposure on modelling and Analysis software for the students. He has gone through the content of U21CST1001, Programming for problem solving and recommended to align the course delivery to meet the programme requirements.
- Mr.S.Sivakumar, Professor and Head of Automobile Engineering Department suggested to rename the course on Thermal Concepts for Manufacturing Engineers as Thermal Engineering or Thermal Systems.
- Mr. K.Arun, Student Representative requested to give the credit transfer for the successfully completed NPTEL Courses. The BOS Convenor replied that this will be done according to the academic regulations.
- The BOS Expert Members recommended to start the new programme on B.E Mechanical and Automation Engineering for the Academic Year 2021-2022
- The BOS Expert members approved the proposed curriculum and syllabus from 1st to 8th semesters with the changes incorporated.
- Mr.T.R.Sukumar, Academic Coordinator proposed vote of thanks and conclude the meeting.



**BOS Chairman
Professor and Head
Department of Mechanical Engineering**

Dr. C. VELMURUGAN, M.E., Ph.D.
Professor & Head
Department of Mechanical Engineering
Kumaraguru College of Technology
Coimbatore - 641 049.



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MINUTES OF BOARD OF STUDIES MEETING

Department: Department of Physics

Program: BE/B.Tech

Venue: Online (Through MS Teams)

Date: 21/06/2021

Time: 11.00 am to 12.30 pm

1. Welcome note and introduction of members by chairperson

Dr.H. Arul, HoD, Dept. of Physics, Introduce the Anna University nominee, Subject Experts, Industry Expert and Alumni Member to the BOS meeting 2021.

2. Curriculum - balance of courses as per domain, pre-requisites

Suggestions by Members: Nil

Reason: High School Education

3. Syllabus - updation and relevance to industrial, career requirement

In the one credit course and open elective syllabus, description and objectives can be rephrased based on the prescribed titles.

Typographical errors can be rectified.

Experts suggested to revise the latest version of all the referred textbooks in the syllabus and recommended to use standard publishers' textbooks.

Industrial expert appreciated the inclusion of an open elective paper based on NDT. They have also suggested to incorporate few computational related things.

4. Course Delivery - Mode and effectiveness

Suggestions by Members:

Members have appreciated the efforts taken by Physics faculty to deliver the content in an effective manner. Problem solving and analytical ability can be focused during the lecturing. Course contents shall be designed in such a way for better understanding towards the students.

5. Course Assessment - Mode and effectiveness

The Assessment pattern for online mode must be continuous evaluated every week. There must be regular interaction with the students in better understanding the concepts. Students must be encouraged to post recorded video of simple concepts and the quiz can be conducted based on multiple choice pattern.

Date

BoS Coordinator

Venue

6. Infra requirement, upgradation

Experiments can be upgraded once in three years

7. Student's knowledge and skill development for R 2022

Appreciated the efforts taken to include value added course on Renewable energy and its related areas. Few other research areas such as Nanotechnology, Adaptive optics and Photonics can be introduced in the future.

Computational physics and Foundations of Quantum computing related papers can be included in the curriculum.

8. Faculty and support faculty development / training

Members recommended training of faculty in the various areas of teaching learning process and other online portals such as NPTEL, Coursera to improve their research and subject knowledge.

9. Faculty qualification/ specialisation - recommendation

Expert members suggested that the faculty members to develop the specialization in the theoretical physics

10. QP Panel

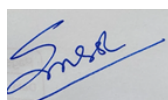
Members have approved the QP panel proposed by Board chairman.

11. Implementation of NEP.

Prof. K.G. Suresh have suggested to contact Prof. B.N. Jagathap, IIT Bombay for getting inputs towards implementing NEP at our institute.



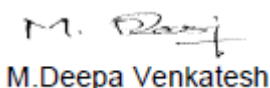
(Dr. M. Ashok)
Anna University
Nominee



(Dr. K.G. Suresh)
Subject Expert



(Dr. N. Muthukumarasamy)
Subject Expert



M. Deepa Venkatesh

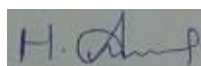
Industrial Expert



(Karthik Murugesan)
Alumni member



HOD/SFS



Dr. H. Arul
HoD, Physics



Dr. R. Sengodan
BOS coordinator



MINUTES OF BOARD OF STUDIES MEETING

Department : Mathematics

Programme : UG & PG

Venue : Online mode(MS teams)

Date : 22.06.2021

Time : 11 am to 12.30 pm

Welcome Note:

The Board of Studies meeting for Mathematics was conducted on June 22nd, 2021 between 11 a.m and 12:30pm in virtual mode on Microsoft Teams platform.

Dr.Maheswari K Head and Chairperson of Mathematics joined in welcoming all the external and internal members for the meeting and presented

- (i)Agenda of the meeting
- (ii)Vision and Mission of the Dept.
- (iii) Curriculum and syllabi of all the courses.
- (iv) New Initiatives-One Credit courses

External Members

1. Dr.P.Vijaya Raju,
Anna University Nominee(Subject Expert),
Former Professor,
Department of Mathematics,
CEG Campus,
Anna University,
Chennai-600 025
2. Dr.V.Vetrivel,
Member nominated by Academic Council (Subject Expert),
Professor,
Indian Institute of Technology,
Madras, Chennai
3. Dr.J.Ravichandran
Member nominated by Academic Council (Subject Expert),
Professor and Head,
Amrita University,
Coimbatore.
4. Mr.R.Sundaram,
Alumni Member (Industrial Expert),
Senior Software Engineer at Microsoft,
Hyderabad.

Internal Members

1. Dr. Ezhilarasi M
Professor - Associate Dean - AAC & HoD-SFS
2. Dr. Arunachalam T
3. Dr. Santha A,
4. Dr. Marudhachalam R
5. Ms. S. Sivasakthi,
6. Dr. Selvanayaki S
7. Ms. R. R. Mythili
8. Dr. K. Meena
9. Dr. Ezhilarasi A
10. Dr. Krishnamoorthy R
11. Dr. Rajasingh J
12. Ms. D. Arivuoli
13. Ms. S. Meenapriyadarshini,
14. Dr. Rajkumar R
15. Dr. K. P. Thilagavathy,
16. Ms. R. Anbhuvizhi,
17. Ms. A. Shanmughavadivu,
18. Dr. Dhivya J
19. Dr. S. R. Saratha
20. Ms. S. Arunadevi
21. Dr. Vijeta Iyer
22. Dr. N. Anitha
23. Ms. Princy Flora

Points Discussed

I. Action Taken Report on Previous BoS Meeting:

S. No	Suggestions	Outcome after discussions
1.	The BOS members suggested including text books along with reference books for R18 UG courses, with a maximum of two text books and five reference books in all the syllabi.	Suggestions have been implemented as given by experts.
2.	For the new UG degree Programme, Artificial Intelligence and Data Science, the following four courses related to the various semesters has been introduced from the academic year 2020-2021. Semester I-U18MAI1203-Linear Algebra and	All the four courses of the branch Artificial Intelligence and Data Science have been approved. The suggestion of experts to reduce some content in the syllabus will be

	<p>Calculus (4 credits).</p> <p>Semester II-U18MAT2101-Discrete Mathematics (3 credits)</p> <p>U18MAI2203-Probability and Statistics (4 credits)</p> <p>Semester III-U18MAI3201-Multivariate Calculus and Forecasting (4 credits)</p> <p>Semester IV-U18MAT4105-Random Process and Optimization (4 credits)</p>	implemented in R2022.
3.	Members suggested to rearrange the modules in U18MAI2203-Probability and Statistics. Also the suggestion was given to review the syllabus of this paper to reduce some content.	The suggestion of the experts will be implemented in R2022 regulations.
4	Suggestion was given to revise some modules of U18MAT4103- Probability and Random Processes for ECE branch and U18MAI4201-Probability and Statistics for CSE, IT & ISE branches.	The revision suggested will be done in R2022 regulations.
5.	Recommendation was given to reduce few topics from the syllabus of P18MAT1107- Mathematics for Data Science for M.Tech Data Science and P18MAT1108 – Mathematical Foundation of Computer Science for M.E-CSE.	The same will be incorporated in the forthcoming regulation.
6.	Suggestion was given by the experts to offer the PG lab components in self-study mode .	For MCA, the course has been changed to theory paper as P20MAT1101 - Probability and Statistics for Data Analysis (4 credits).
7.	For PG Programme – M.E.- Construction Management, the new Mathematics course “P18MAT1001 - Statistical Methods for	The same has been approved by the experts.

	Management” has been introduced	
8.	Members recommended including pre-requisite topics for all PG courses	Implemented in the courses based on the requirements.

II. Introduction of New One Credit Courses :

S.No	Course code	Course Name	Total Hours
1	U18MAC0301	Mathematical Modelling: Analysis and Applications	15
2	U18MAC0302	Resource Management Techniques Using Tora	15
3	U18MAC0303	Mathematics For Cyber Security	15
4	U18MAC0304	R Programming For Analytics	15
5	U18MAC0305	Data Analysis And Forecasting Using Python	15

III. Addition of New Lab Experiments in R2018 Courses:

The same list of Lab experiments in the existing syllabus will be continued.

IV. Stakeholders feedback and the changes recommended on (i) PSO (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods :

No comments.

V. Targets for CO / PO for Academic Year 2021-22:

Planned to maintain the existing target for the forthcoming academic year .

VI. Approval of Panel of Examiners for QP Setting for AY 2021-22:

Approved

VII. Members Recommendations for Implementing NEP 2020

Members informed that after AICTE’s approval, recommendations for the implementation of NEP 2020 will be given.

VIII. Members deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

1. Experts discussed about the efforts taken by the faculty members in framing the

curriculum for offering one credit and embedded courses based on the requirement of various engineering branches.

2. Five One credit courses are offered for the forthcoming semester and the same was very well appreciated by the subject experts.
3. Experts were pleased to hear from us that no course fees are collected for one credit courses.
4. Experts heard from the faculty members about the monitoring of students during internal exams by making them on their videos randomly.
5. Members suggested that one credit course content can be slightly reduced so that the course completion can be easily completed within the stipulated time.
6. Suggestions were given that a particular topic alone can be focused in detail for the effectiveness of the delivery of the courses.
7. Members further recommended that certificates need to be given to the students after their successful completion of their one credit courses.
8. Further suggestions were given that the students having pre-requisite knowledge about particular one credit course will be benefitted more by enhancing themselves using the software involved in the course.
9. Members added that the learning of one credit courses through softwares will be more useful for their future career.

IX. Members inputs towards upgradation of infrastructure / teaching aids to aid content delivery:

1. Industrial expert suggested to follow breadth oriented approach in learning Mathematical concepts and recommended to use interesting higher end softwares in-addition to MATLAB to make abstract Math more easier to understand.
2. Implementation of Project Based Learning where the students learn Mathematics in a deeper understanding with regard to application oriented Mathematics was discussed and members encouraged the efforts taken which is very much required in the current scenario teaching methodologies.



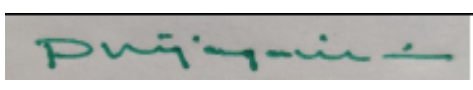

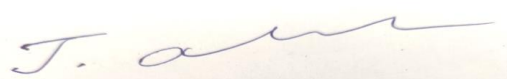

X. Best Practices followed in (External) Member's Institutions:

1. For B.E/B.Tech students, Minor programmes like Minor in Mathematics, Probability, Optimization based on M.Sc. syllabus as provided by IITs were suggested by expert members.

2. Honours Courses in Mathematics that are suggested by AICTE are recommended by the expert team members to be offered to the engineering students.

XI. Any other matters (with the permission of Chairman, BoS)

Overall the subject experts approved all the one credit courses.

S.No	Members	Digital Signature
1.	Dr.Maheswari K Head-Mathematics Chairperson, Dept. of Mathematics, KCT.	
2.	Dr. Ezhilarasi.M Associate Dean & Head- SFS KCT, Coimbatore	
3	Dr.P.Vijaya Raju Anna University Nominee(Subject Expert), Former Professor, Department of Mathematics, CEG Campus, Anna University, Chennai-600 025	
4	Dr.V.Vetrivel Member nominated by Academic Council (Subject Expert), Professor, Indian Institute of Technology, Madras, Chennai	
5	Dr.J.Ravichandran Member nominated by Academic Council (Subject Expert), Professor and Head, Amrita University, Coimbatore.	
6	Mr.R.Sundaram, Alumni Member (Industrial Expert), Senior Software Engineer at Microsoft, Hyderabad.	

Copy To: Principal, Dean Academics, CoE, all DoAs, Head Autonomous



MINUTES OF BOARD OF STUDIES MEETING

Department : Dept. of Languages and Communication / SFS

Program : B.E / B.Tech

Venue : MS Teams

Date: 23-06-2021

Time : 3.00 p.m. to 5.20 p.m.

Participants of the Meeting:						
<i>Name</i>	<i>Designation as per UGC</i>	<i>Orgn</i>		<i>Name</i>	<i>Designation</i>	<i>Orgn</i>
Dr. E S Uma Maheswari	Anna University Nominee	GCE, Tirunelveli		Dr.J.Srikala	Member	KCT
Dr. Sathyaraj Venkatesan	Subject Expert	NIT, Trichy		Dr.C.Tissaa Tony	Member	KCT
Dr. Vijaya	Subject Expert	EFLU, Hyderabad		Dr.V.Abirami	Member	KCT
Prof. Edwin Anthony Amalanathan	Representative relating to Placement	Santosh Rungta Group, Bhilai		Dr.S.Sreejana	Member	KCT
Mr. Abishek Paul Jackson	Alumni Member	Benglen Public School, CBE		Dr.R.Hema	Member	KCT
Dr.B.Arokia Lawrence Vijay	BOS Chairman	KCT		Dr.A.S.Mythili	Member	KCT
Dr.S.G.Mohanraj	BOS Coordinator	KCT				
Special Invitee:						
Dr.M.Ezhilarasi	Associate Dean – Academics & Head, School of Foundational Sciences			KCT		

Welcome note and introduction of members by Chairperson

Dr. S G Mohanraj, BoS Coordinator, welcomed and introduced the committee members. The expert members present for the Board of Studies meeting are Dr. E S Uma Maheswari, Anna University Nominee, Professor & Head, Department of English, Government College of Engineering, Tirunelveli; Dr. Sathyaraj Venkatesan, Associate Professor, National Institute of Technology (NIT), Trichy; Dr. Vijaya Srivastava, Assistant Professor of English, English and Foreign Languages (EFL) University, Lucknow Campus; Prof. Edwin Anthony Amalanathan, Joint Director (Training & Placement), Santosh Rungta Group of Institutions, Bhilai; Mr. Abishek Paul Jackson,

Managing Director & Secretary, Benglen Public School, Coimbatore; Dr. Ezhilarasi M, Associate Dean – Academics & Head, School of Foundational Sciences; and the Faculty of the Department of Languages and Communication, KCT.

Dr.Arokia Lawrence Vijay B, Chairman, Board of Studies - English, welcomed all the members and presented the silhouette of the meeting by presenting the agenda.

Agenda

- i) Elective Syllabus discussion**
- ii) Discussion on new syllabus for Academic Regulation 2022**
- iii) Approval of QP setters for End Semester Examination**
- iv) Introduction of Language electives by the Department of Languages and Communication.**

i) Elective Syllabus Discussion

Dr. S G Mohanraj, BoS Coordinator, invited the faculty members in charge of Open Electives to present the syllabus.

Dr. Tissaa Tony C presented the unit wise overview of the English for Research purpose course. It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system. The comments of the experts are tabulated below:

S. No	Comments by Expert Members	Action Taken
1.	Dr. Sathyaraj and Dr. Vijaya suggested to include Plagiarism, Copyright, and Patent guidelines in the syllabus.	It was decided to include the same in the syllabus
2.	Dr. Uma suggested to include project-based topics.	Paper publication will be given as part of the project work.

Dr. Mythili A S presented the unit wise overview of the course of the Blog Writing syllabus. It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj suggested to include Affiliate market, email marketing and Subject marketing in the syllabus.	The suggestions will be incorporated in the syllabus.
2.	Dr.Vijaya suggested to focus more on Language skills and include a component on reading blogs.	The suggestions will be incorporated in the syllabus.

3.	Dr.Uma suggested to make the practice session more effective.	Practice session would be carried on in a comprehensive manner.
4.	Dr.Sathyaraj and Dr.Vijaya suggested to make the session more practical oriented.	It was decided to make students create their own blogs.
5.	Prof. Edwin and Dr.Sathyaraj suggested to give hands-on training to the students by making them work on blogs with awareness of copywriting and patenting rules.	It will be ensured during the teaching process.

Dr.Mythili A S presented the unit wise syllabus of the open elective course on Etymology.

It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system.

S. No	Comments by Expert Members	Action Taken
1.	Prof. Edwin and Dr.Sathyaraj suggested to include derivation and origin of words in the syllabus from the historical perspective.	The suggestions will be incorporated in the syllabus.
2.	Dr.Sathyaraj suggested to include Lexicography and strategies on vocabulary development	The suggestions will be incorporated in the syllabus.
3.	Dr.Uma suggested to include importance and benefits of learning Etymology	The suggestions will be incorporated in the syllabus.

Dr.J.Srikala presented the unit wise overview of the course Creative Writing through Literature. It is a three-credit course offered for II and III-year students of B.E. / B.Tech under choice-based credit system.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Vijaya suggested to include stylistic components and concepts of creativity in the syllabus.	It was agreed to incorporate the same in the teaching methodology.
2.	Dr.Sathyaraj opined that the course should include different forms and genres of writing. Works of Indian writers to be included. He also suggested to include writings from various continents to be included. He also suggested to conduct a workshop on poetry reading.	The possibilities of restructuring the course will be considered.

3.	Dr.Uma suggested to specify the genres and assign work accordingly.	The students will be given the option of choosing the genre of their interest and working.
4.	Dr.Vijaya suggested to showcase the skills and subskills that will be focused in the course.	It was agreed to incorporate the same in the teaching methodology.
5.	Dr.Sathyaraj and Dr.Vijaya suggested to outline the evaluation process	It will be incorporated in the syllabus.

New Syllabus - Academic Regulation 2022

Dr.Arokia Lawrence Vijay invited suggestions from the BoS committee members for the new syllabus to be framed for the first-year students in the academic year 2022.

Dr.M.Ezhilarasi, Dean & Head SFS, shared her perspectives on designing the syllabus.

She opined that several speech recognition software are shrinking the written aspect of the language. Hence more focus should be on the spoken skills required for the workspace.

Dr.Arokia Lawrence Vijay added that the heterogenous group of students have to be trained for various goals like higher studies, employment, etc., and hence the syllabus must cater to all these needs of the students.

S. No	Comments by Expert Members	Action Taken
1.	Dr.Sathyaraj laid emphasis on focusing and strengthening higher order thinking skills to promote lateral thinking and the syllabus should not only be confined to LSRW.	All these suggestions will be considered while framing and implementing the new syllabi for Academic Regulations 2022. The draft syllabus will be circulated to all the members, and it will be finalized after getting their valuable inputs.
2.	Prof.Edwin opined that a paper focusing on email etiquette and competitive exams would benefit the students.	
3.	Dr.Sathyaraj suggested to spread out English courses for all the four years of study. This would help focussing on the employability skills.	
4.	Dr.Ezhilarasi M replied that every department is trying to offer more courses. Dr.Sathyaraj suggested to offer one credit course or Lab courses to hone the employability skills.	

5.	Dr.Vijaya suggested that occasionally screening films would help improve the speaking skills. And also include positive psychology aspects as it would encourage students to speak.	
6.	Dr.Ezhilarasi M sought the opinion of the experts in collaborating for courses with other universities.	
7.	Prof.Edwin replied that exchange of students and faculty with foreign universities are possible. He also added that expert can offer training to faculty to enhance knowledge and skill.	
8.	Dr.Vijaya suggested that a google document could be shared with the experts so that all the suggestions could be collated.	
9.	Mr.Abishek affirmed the opinion of the experts.	

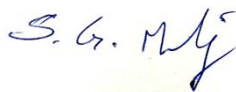
iii) Approval of QP setters for End Semester Examination

The profile of the question paper setters for the End Semester Examination were presented to the experts and was approved.

iv) Introduction of Language electives by the Department of Language and Communication.

Dr. Arokia Lawrence Vijay conveyed that the department of Languages and Communication is introducing three foreign languages one regional language as extra credit course. The language elective courses are French, German, Japanese and Hindi. The experts approved the introduction of the language elective courses.

Dr. Arokia Lawrence Vijay thanked all the experts and faculty members for their valuable suggestions.



Dr.S.G.Mohanraj
BOS Coordinator / English



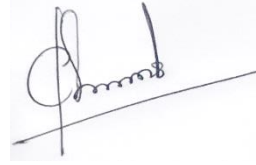
Dr.Arokia Lawrence Vijay
Chairperson BOS / English



Dr. E S Uma Maheswari
Anna University Nominee /
HOD English, GCE, Tirunelveli



Prof. Edwin Anthony Amalanathan
Representative relating to Placement
Joint Director
Santosh Rungta Group of Institutions (R1)
Bhilai - Raipur (C.G.).



Dr. Sathyaraj Venkatesan
Subject Expert / Associate Professor
NIT, Trichy



Mr. Abishek Paul Jackson
Alumni Member /
Managing Director & Secretary
Benglen Public School
Coimbatore

**MINUTES OF BOARD OF STUDIES MEETING****Department: Chemistry/ SFS****Program: B.E / B.Tech.****Venue: MS Teams – Virtual mode****Date: 21.06.2021****Time: 10.15 AM – 11.30 AM****1. Welcome Note**

The Chairperson of Board of Studies, Dr. K.R. Aranganayagam, Head, Department of Chemistry, School of Foundational Sciences (SFS) welcomed Dr. P.N. Palanisamy, Anna University Nominee, Dr. N. Rajendran, Dr. R. Karvembu, Subject experts, Dr. Kadirvelu, Industrial Expert, Ms. S. Gouri, Alumnus of KCT and Internal members, to the Board of Studies (BOS) meeting. He enunciated the role of curriculum and syllabus in imparting knowledge and developing the skills of the students in their domain.

2. Action taken report on previous BOS meeting

The discussion on the previous board of studies meeting was recapped to the members and action taken were presented.

3. Introduction of new One Credit Courses / Programme Electives / Open Electives

The content of the following syllabi of the existing courses along with the new courses, were presented by Mr K Karthik, BoS coordinator, and the subject handling faculty. The modifications suggested by the experts were considered for implementation.

Existing courses:

- U18CHI1202/2202- Engineering Chemistry
- U18CHT3000/4000 – Environmental Science and Engineering

Existing Open elective courses:

- U18CHO0002 - Insights on Environment and Ecology for Competitive Exams
- U18CHO0003 - Green Chemistry and Engineering
- U18CHO0004 - Applications of Nano Engineering Materials
- U18CHO0005 - Laser for Engineering Material Processing
- U18CHO0006 - Nutrition, Health and Wellness Science
- U18CHO0007 - Emerging Environment Technologies

- U18CHO0008 - Modern Techniques in Solid Waste Management
- U18CHO0009 - Thin Films Fabrication and Industrial Applications of Engineering Materials
- U18CHO0010 - Energy Environment and Society
- U18CHO0011 - Chemistry of Cosmetics in Everyday life

Existing One credit Course:

- U18CHC0101 - Chemistry in Everyday Life

New Open elective course:

- U18CHO0012 - Analytical Techniques for Materials Characterisation

PhD Course work Syllabus:***Common Paper***

- P18CHT0001 – Research Methodology

Elective Papers

- P18CHE0001 - Adsorption Studies of Carbon Materials
- P18CHE0002 - Applied Environmental Chemistry
- P18CHE0003 - Physical Methods in Chemistry
- P18CHE0004 - Thermoanalytical Methods
- P18CHE0005 - Corrosion Science

Suggestions by the BOS members:

- The BOS members felt that the content of newly introduced open elective course U18CHO0012 – Analytical Techniques for Materials Characterisation was slightly high standard for UG level and suggested to focus the contents based on the need of the engineering students. Based on the need, members suggested incorporating the hands-on training for the interpretation of spectral studies.
- The BOS members suggested revising the content of unit-I in the one credit course U18CHC0101 – chemistry in everyday life.
- The syllabi and suggested reference books and textbooks were approved by the BOS members.

4. Addition of new Lab experiments in R2018 Courses

The BOS members were satisfied with the present laboratory experiments and instruments available.

5. Stakeholders feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

The BOS members were satisfied with the Mission statements of the department, Teaching, learning and assessment methods

6. Targets for CO / PO for Academic Year 2021-22

It was presented that the CO attainment for the courses in the academic year 2021-2022 as 80%.

7. Approval of panel of examiners for QP Setting / Lab Exams for AY 2021-22

A list comprising of the following examiners were approved by the BOS members as the panel of examiners for QP Setting / Lab Exams for AY 2021-22.

- Dr. S C Murugavel, Professor, PSG College of Technology, Coimbatore.
- Dr Dhanabal, Associate Professor, Bannari Amman Institute of Technology, Sathyamangalam.
- Dr P A Periasamy, Associate professor, Dr Mahalingam College of Engineering and Technology, Pollachi.
- Dr T Maruthavanan, Associate professor, Sona College of Technology, Salem.
- Dr N Nalini, Assistant Professor, Sri Krishna College of Technology, Coimbatore

8. Members recommendations for implementing NEP 2020

The members felt the need for implementing the NEP 2020 in the future, which partially has well been implemented in our institution.

9. Members deliberation on perceived gaps in existing curriculum and syllabus & suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

The Board of Studies members have suggested offering a common engineering chemistry course in the first semester and cluster based specific engineering chemistry courses in the second semester in the forthcoming Regulation R2022. Also, experts recommended and strongly insisted to offer the engineering chemistry course to Computer Science and Engineering, Information Technology, Information Science and Engineering and Artificial Intelligence and Data Science students also, to equip them towards involving in the production stream, drug discovery etc.

10. Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery

The BOS members were satisfied with the present infrastructure.

The best practices on the virtual teaching-learning process were presented and stated that the online classes were of flipped class models and are conducted with recorded video lectures for both synchronous and asynchronous sessions. For the synchronous sessions, the recorded videos will be uploaded in the portal at least 24 hours prior to the class, so that the students will come prepared for the live interactive sessions. To understand the concepts and principles, the use of virtual simulation tools and virtual lab experiments from various recognised portals was implemented. The BOS members appreciated the mode of flipped classes practices.

11. Best Practices followed in (External) Member's Institutions

The regular online teaching model and in some cases the flipped class models were used in the external member's institution.

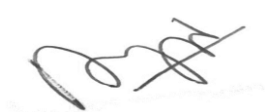
The BOS meeting was concluded with experts ratifying the syllabi that were presented with few suggestions that need to be incorporated. The BOS members appreciated the mode of content delivery and assessment methods being followed. They also insisted on the inclusion of Engineering chemistry course for the computer science cluster.

Dr K. R. Aranganayagam thanked all the BOS members for their suggestions to enhance the content of the syllabi.

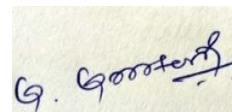
Signature of the members of Board of Studies



Dr. M. EZHILARASI
HoD/SFS




Dr. K. R. ARANGANAYAGAM
HoD(i/c)/Chemistry



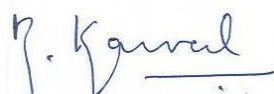
K. KARTHIK
BOS Coordinator



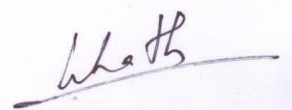
Dr. P.N. PALANISAMY
Professor,
Department of Chemistry,
Kongu Engineering College,
Perundurai, Erode – 638060.



Dr. N. RAJENDRAN
Professor,
Department of Chemistry,
CEG Campus, Anna University,
Chennai – 600 025.



Dr. R. KARVEMBU
Professor,
Department of Chemistry,
National Institute of Technology,
Trichy-620 015.



Dr. K. KADIRVELU
Scientist-E & Joint Director,
DRDO Centre for Life Science,
Bharathiar University,
Coimbatore-46.



Ms. S. GOURI
(Alumni member)

Principal

Copy to:

The Chairman
Academic Council
Kumaraguru College of Technology (Autonomous)
Coimbatore -641 049



MINUTES OF BOARD OF STUDIES MEETING

Department: Textile Technology

Program: B.Tech

Venue: MS team

Date: 05.06.2021

Time:11.00 AM TO 12.30 PM

1. Action Taken Report on Previous BoS Meeting

Welcome note and introduction of members by chairperson

Dr. V.Ramesh Babu , Head & Assoc. Prof , Chairman -BOS -Textile Technology welcomed the panel members.

- Give a note on agenda.
- Presented the department vision and mission, PEO and PSO to the panel members.
- Discussed the department advisory board minutes to the members.
- Presented the previous BOS minutes (17th BOS) and the action taken report.

2. Introduction of New One Credit Courses / Programme Electives / Open Electives

- BOS panel members welcome the idea of introducing one credit courses to be taken by industry persons. Members suggested that the one credit courses can also be handled by academic experts.
- Members suggested to reframe the syllabus for the one credit course “Weft Knitted Fabric Analysis and Calculations”.
- Also suggested that the one credit courses can be offered to students in self-study mode.
- Members insisted that the one credit course content should not repeat or overlap the regular course syllabus content.
- Members suggested to prepare the list of industry experts and academicians for handling one credit courses and suggested not to fix any syllabus for the

same. That may be open and based on the experts experience the content may be specified at the time of offering the course to the students.

- BOS members satisfied with the syllabus presented for new elective courses that included in R18 for 2021 batch curriculum and syllabus.

3. Addition of New Lab Experiments in R2018 Courses

- Members suggested to procure some new equipment's which is listed in point No.9 based on that the new lab experiments may be added in R-2022.

4. Stakeholder's feedback and the changes recommended on (i) PEO/PSO, (ii) Mission Statements, (iii) Innovative Teaching / Learning / Assessment Methods

Members Suggested some critical thinking sort of questions to be addressed in the assessments.

5.Targets for CO / PO for Academic Year 2021-22

Members suggests that the target for CO for the academic year 2021-22 can be fixed in a higher level compared to the previous academic year.

6.Approval of Panel of Examiners for QP Setting / Lab Exams for AY 2021-22

The BOS members approve the existing practices followed in the panel of examiners for QP Setting / Lab Exams and suggests continuing the same practices for the academic year 2021-22 also.

7.Members Recommendations for Implementing NEP 2020

Regarding the NEP members said that it is too early to discuss the NEP, since there are no specific guidelines received from the Government.

8.Member's deliberation on Perceived Gaps in existing curriculum and syllabus & Suggestions for new curriculum & syllabi for Regulations 2022 (R2022)

Course on professional ethics can be included in the curriculum.

9.Members inputs towards up gradation of infrastructure /teaching aids to aid content delivery

- For composite testing, Impact tester can be included in the Technical textiles testing lab.
- Coating/Curing machine can be made available in Technical textiles testing lab.
- Freeze drying/ Microencapsulation facility can be included in Technical textiles testing lab.

10. Best Practices followed in (External) Member's Institutions

Members suggested to include critical thinking part can be included in question paper. Also, open book type exam also can be practised. Multi-disciplinary approach in open elective should be practiced.

11. Any other matters (with the permission of Chairman, BoS)

Nil



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MINUTES OF BOARD OF STUDIES MEETING

Department: Textile Technology **Program:** M.Tech Master of Technology
Management

Venue: MS team

Date: 05.06.2021

Time: 11.00 AM TO 12.30 PM

1. Conduct of MSME practicum through online mode (for the batch 2020-22)
2. Global national immersion course meant for 6 credits compensated with two 3 credits (for the batch 2020-22)
3. For the student of 2021-23 batch new syllabus and curriculum presented
4. New embedded and theory courses in elective mode introduced in 2021-23 batch Curriculum and syllabus
5. Members welcomes the idea of regrouping of electives in curriculum and syllabus meant for the student 2021-23 batch.
6. Members suggested to reframe the curriculum and syllabus for R-2022 little bit lighter form so that all the discipline students can take the course without any difficulty. Hence the following points to be taken into considerations while framing the curriculum and syllabus for R-2022.
 - Members feels that the elective subjects offered is of more Computer and IT based, which will be difficult for the other student joined in the course other than CSE and IT discipline
 - The syllabus to be framed according to PO/PEO /PSO
 - PO to be revised as suggested by NBA for PG courses. Mapping of CO to be revised.



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18th Board of studies Meeting

Department: Textile Technology


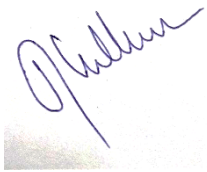

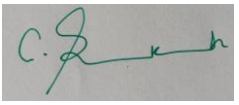
Program: B. Tech: Textile Technology, M. Tech: Master of Technology Management

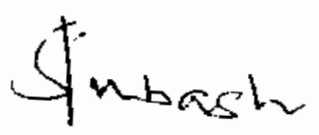
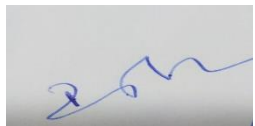


Venue: Virtual Mode: MS-TEAMS




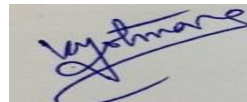
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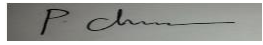
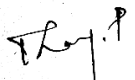

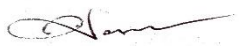




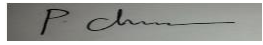
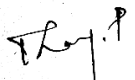

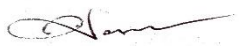




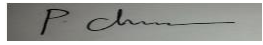
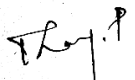

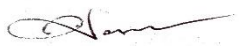

Time: 11.00 Am to 12.30 Pm

BoS Members Signature

S.No	Name	Designation as per UGC	E-Signature
1	Dr.V.Ramesh Babu Head, Dept of Textile Technology	Chairman-BoS	
2	Dr.R.Neelakandan Associate Professor, Department of Textile Technology, ACT Campus, Anna University, Chennai-600 025	Anna University Nominee	
3	Dr.Apurba Das Professor Textile Technology, Indian Institute of Technology, Hauz Khas New Delhi -110016	Subject Expert	
4	Dr.C.Prakash Director, Indian Institute of Handloom Technology Fulia, West Bengal	Subject Expert	

S.No	Name	Designation as per UGC	E-Signature
5	Dr.A.Subash Babu Professor, Industrial Engineering & Operations Research Department of Mechanical Engineering IIT Bombay, Powai, Mumbai, India, 400076	Subject Expert	
6	Mr. R.Senthil Kumar Manager - NPD and Marketing Super Sales India Limited - Textile Division, 34A, Kamaraj Road, Coimbatore-18	Expert from Industry	
7	Mr. R. Sathish Kumar Founder and Director iExemplar Software India Limited, 3/E, II Floor, Brooke Bond Layout, Krishnaswamy Road, Coimbatore, Tamilnadu - 641002	Expert from Industry	
8	Mr. P Kaleeswaran Deputy Manager- Business Excellence, Zen Linen International PVT ltd 935, South Neem Boulevard, Sector- 42, Sri City SEZ, Satyavedu Mandal, Chittor District, Andhra Pradesh- 517588, India	Alumni Member with PG qualification	
9	R. Swathy Data Associate Amazon Development centre (India) Private Limited, Chennai.	Alumni Member with PG qualification	Absent

S.No	Name	Designation as per UGC	E-Signature
10	Dr. K.Prabhu Assistant Professor -II Department of Fashion Technology Kumaraguru College of Technology Coimbatore-641049	Faculty member from allied department - Special Invitee	
11	Dr.P.Nalini Assistant professor - MBA Kumaraguru College of Technology/ CBE	Faculty member from allied department - Special Invitee	
12	Gokul Kumar. K Chief Technology Officer FORGE Accelerator, Forge Factory, G- Floor, #3 Athipalayam road, Chinnavedampatti, Coimbatore-641049.	Special Invitee	
13	Dr. B.L.Lakshmi Meera Program Director FORGE Accelerator, Forge Factory, G- Floor, #3 Athipalayam road, Chinnavedampatti, Coimbatore-641049.	Special Invitee	Absent
14	Dr. V.D.Gotmare Ex-Head Of the Department, Textile Manufactures Department, Veer mata Jijabai Technological Institute (VJTI) Matunga, Mumbai - 400019	Special Invitee	

S.No	Name	Designation as per UGC	E-Signature																				
15	<p>Final Year Students</p> <p>1. T.Tharani 17BTT052 Ph: 9087713233 Mail Id : tharani.17tt@kct.ac.in</p> <p>2.S.L. Jhakan Prashad 17BTT001 Ph: 9487622085 Mail Id: jhakan.17tt@kct.ac.in</p>	Special Invitee																					
16	Dept. Faculty Members		<table border="1"> <thead> <tr> <th>Name</th> <th>E- Signature</th> </tr> </thead> <tbody> <tr> <td>1.Dr.M.Dhinakaran</td> <td></td> </tr> <tr> <td>2.Dr.S.Sundaresan</td> <td></td> </tr> <tr> <td>3.Dr.P.Sivakumar</td> <td>Absent</td> </tr> <tr> <td>4.Mr.P.Chandrasekaran</td> <td></td> </tr> <tr> <td>5. Mr.P.Thangeswarn</td> <td></td> </tr> <tr> <td>6. Dr.S.Ariharasudhan</td> <td></td> </tr> <tr> <td>7.Mr.S.Natarajan</td> <td></td> </tr> <tr> <td>8.Dr.M.Saravanan</td> <td></td> </tr> <tr> <td>9.Mrs.R.Sukanyadevi</td> <td></td> </tr> </tbody> </table>	Name	E- Signature	1.Dr.M.Dhinakaran		2.Dr.S.Sundaresan		3.Dr.P.Sivakumar	Absent	4.Mr.P.Chandrasekaran		5. Mr.P.Thangeswarn		6. Dr.S.Ariharasudhan		7.Mr.S.Natarajan		8.Dr.M.Saravanan		9.Mrs.R.Sukanyadevi	
Name	E- Signature																						
1.Dr.M.Dhinakaran																							
2.Dr.S.Sundaresan																							
3.Dr.P.Sivakumar	Absent																						
4.Mr.P.Chandrasekaran																							
5. Mr.P.Thangeswarn																							
6. Dr.S.Ariharasudhan																							
7.Mr.S.Natarajan																							
8.Dr.M.Saravanan																							
9.Mrs.R.Sukanyadevi	