



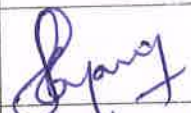







VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
 (An Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to Anna University)
Thindal (PO), Erode – 638012.
 Ph: (0424) 2244201 - 204, FAX: 0424 2244205, Email: principal@velalarengg.ac.in

Board of Studies Meeting
Attendance

Name of the Department : Biomedical Engineering
Meeting No : 08
Date & Time : 30.04.2022 & 02.00 p.m.
Venue : Virtual Mode through Google Meet

Sl.No.	Name	Category	Signature
1.	Dr.N.Jeyashanthi	Chairperson	 30/4/22
2.	Dr.B.Padmapriya	University Nominee	Online mode
3.	Dr.A.Mythili	External Expert Members	Online mode
4.	Dr. R.Vanithamani		Online mode
5.	Mr.M.Sathish Kumar	Industry / Corporate Sector	Online mode
6.	Dr.S.R.Tiruvalavan		Online mode
7.	Mr.S.Jayamaruthi	Alumnus	ABSENT
8.	Dr.S.K.Manikandan	Internal Members	 30/4/22
9.	Dr.P.Ravikumar		
10.	Dr.M.Ponni Bala		
11.	Dr.J.Rajalakshmi		
12.	Ms.C.Radhika		 30/4/22
13.	Ms.S.Maheswari		


 30/4/22
Chairperson - BoS (BME)
Chairperson - BoS
Dept. of BME - VCET



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University)

Department of Biomedical Engineering

Minutes of Board of Studies Meeting

Name of the Department : Biomedical Engineering
Programme (s) : BE-BME , ME-BME
Date, Time & Venue : 30.04.2022, 2:00 pm & Online Mode - Google Meet(Id:bsv-bcju-rme)
Meeting Number : 08

Board: BME

Agenda of Meeting

1. Review of M.E.-Biomedical Engineering Curriculum under R 2022.
2. Framing Syllabus for M.E.-Biomedical Engineering Programme.
3. Framing B.E.-Biomedical Engineering Curriculum under R 2022.
4. Framing First and Second Semester Syllabus for B.E.- Biomedical Engineering.
5. Any other matters.

The members presented in the Board of Studies Meeting is given in Annexure – 01

The chairperson of the Board of Studies welcomed all the members to the meeting for discussing proposed B.E – Biomedical Engineering and M.E - Biomedical Engineering Curriculum and syllabus under the Regulation 2022 through online mode as per direction of The Director, Centre for Academic Courses, Anna University, Chennai vide letter no: 1301/AU/CAC/2020 dated 23.07.2020. The following points were proposed. The points suggested by the members were as follows:

01 – Review of M.E.-Biomedical Engineering Curriculum under R 2022.

Discussion:

- Instrumentation and design laboratory can be included in the first semester M.E Biomedical Engineering Programme.
- Research Methodology and IPR is introduced in first semester
- Audit courses English for Research Paper writing and Disaster Management are included in first and second semesters respectively.

Resolution:

It is resolved to include the above courses in R2022 curriculum of the proposed M.E Biomedical Engineering programme and the same is submitted to the Academic Council for approval.

02- Framing Syllabus for M.E.-Biomedical Engineering programme.

Discussion: BOS members suggested the following points in the meeting

S.No.	Course Code & Name	Recommendation by BoS members
1.	22BPT14 – Medical Imaging Systems	4D Ultrasound techniques can be included.
	22BPT12 - Advanced Bio Signal Processing	Advanced techniques need to be included.
2.	22BPL11 – Clinical Instrumentation and Design Laboratory	Design Experiments can be included instead of study experiments and experiment number can be removed.
3.	22BPL12 – Advanced Bio Signal Processing Laboratory	Check the Experiment number 7,8. It can be a design experiment.
4.	22BPT22 – Diagnostic and Therapeutic Equipments	Four units covers therapeutic equipments, only unit 1 is diagnostic. Atleast two units need to be diagnostic equipments.
5.	22BPT24 – Rehabilitation Engineering and Assistive Technology	Unit 4 has 9 hours but it has less content. Make uniform distribution of conduct hours.
6.	22BPL21 – Advanced Medical Image Processing Laboratory	In addition to 2D images 3D image processing can be included. Instead of CNN in experiment 10, deep learning/machine learning can be included.
7.	22BPL22 – Medical Device design Laboratory	Relevency of experiment number 6 need to be checked. Also check the text book editions.
8.	22BPE08 – Wearable Devices and Technologies	Low power, flexible electronic systems can be included.
9.	22BPE09 – Bio MEMS Technology	Unit 1 title missing
10.	22BPE10 - Pattern Recognition Techniques and its Applications	Need to include basic neural network model
11.	22BPE11 - Hospital Planning, Organization and Management	In each unit topics should be elaborated.
12.	22BPE12 - Computer Based Medical Instrumentation	SEM & TEM Biomedical optics can be included.
13.	22BPO02 - Introduction to Clinical Trials	Ethical committee formulation and Animal study can be included.

Resolution:

It is resolved to recommend the M.E – Biomedical Engineering Syllabus under R2022 to the Academic Council for approval.

03. Framing B.E.-Biomedical Engineering Curriculum under R 2022.

Discussion:

- Matrices and Differential Equations is included in first semester.
- In the second semester Professional English, Calculus and Complex Analysis are included.
- Productivity Management and Reengineering, Medical Coding, Medical Device Regulations and Safety, Principles of Genetic Engineering, Pharmaceutical Engineering, Modern Trends in Planning and Designing of Hospitals, Medical Device Design are proposed in Professional Elective I,II,III,IV,V,VI,VII,VIII respectively.
- Basics of Bioinformatics, Fundamentals of Nutrition, Biology for Engineers, Regulatory requirements in pharmaceutical Industries are proposed as Open Electives.

Resolution:

It is resolved to include the above courses in R2022 curriculum of the proposed B.E Biomedical Engineering programme and the same is submitted to the Academic Council for approval.

04. Framing First and Second Semester Syllabus for B.E.- Biomedical Engineering.

Common points suggested by the members as Concluding Remarks

- Endocrine systems can be included in Anatomy and Human Physiology.
- Latest editions need to be added in all the reference and text books.

The chairperson of Board of Studies agreed and assured to incorporate the changes wherever possible.

The chairperson of Board of Studies thanked all the members for their valuable suggestions and coordination.


30/4/22
Chairperson-BoS
Chairperson - Bos
Dept. of BME - VCEI



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Board of Studies Meeting

Attendance

Name of the Department : Civil Engineering
Meeting No : 07
Date & Time : 30-04-2022 & 11.00 a.m.
Venue : Online Mode – Google Meet
<https://meet.google.com/nns-apgn-rjx>

Sl.No.	Name	Category	Signature
1.	Dr.E.Ravi	Chairman	<i>[Signature]</i> 30/04/22
2.	Dr.K.Ramadevi	University Nominee	ONLINE
3.	Dr.S.P.Jeyapriya	External Expert Members	ONLINE
4.	Dr.P. Rama Mohan rao		ONLINE
5.	Er.G.Chandrasekaran	Industry / Corporate	ONLINE
6.	Er.V. Arun Prabhu	Alumnus	ONLINE
7.	Dr.C.Karthik	Internal Members	<i>C. Karthik</i> 30/4/22
8.	Dr.D.Sakthivel		<i>D. Sakthivel</i> 30/4/2022
9.	Ms.A.Anitha		<i>A. Anitha</i> 30/4/22
10.	Mr.S.Suresh		<i>S. Suresh</i> 30/4/22
11.	Mr.S.C.Sarathkumar		<i>S. Sarathkumar</i> 30/4/22
12.	Mr.C.Pranesh		<i>C. Pranesh</i> 30/4/22
13.	Mr.S.Ramesh Kumar		<i>S. Ramesh Kumar</i> 30/04/2022
14.	Ms.D.Dharani		<i>D. Dharani</i> 30/4/22

[Signature]
Chairman - BoS (CE) 30/04/22

Chairperson - BoS
Dept. of CE - VCET

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

LABORATORY OF ORGANIC CHEMISTRY

CHICAGO, ILLINOIS

RESEARCH REPORT

NO. 100

BY ROBERT H. WOODWARD

AND ROBERT B. WOOD

1955

CHICAGO, ILLINOIS

UNIVERSITY OF CHICAGO

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VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS)

Department of Civil Engineering

Members of Board of Studies

Sl.No.	Name, Designation & Address	Category
1	Dr.E.Ravi, Professor & Head, Dept. of Civil Engineering, soilravi@gmail.com, 94427 17034	Chairman
2	Dr. K.Ramadevi Professor in Department of Civil Engineering, Kumaraguru College of Technology, Athipalayam Road, Chinnavedampatti, Coimbatore-641 049 ramadevi.k.ce@kct.ac.in, 98432 19008	University Nominee
3	Dr.S.P.Jeyapriya Professor (CAS), Department of Civil Engineering, Government College of Technology, Coimbatore,641 042 jeyapriya@gct.ac.in 9443157730	Academic Council Nominee
4	Dr.P.Rama Mohan rao, Associate Professor, CDMM, Vellore Institute of Technology, Vellore -632 014 rao_pannem@vit.ac.in 9751354789	
5	Er.G.Chandrasekaran, C.S.Vignes Constructions and Engineering Contractors, 452,E.V.N Road, Opposite to Railway Station, Erode-638001 cserode@rediffmail.com 7373785151	Industry / Corporate Sector
6	Er.VArunPrabhu, Site Engineer, Banyan Builders, Erode – 638 012. 9715507307	Alumnus
7	Dr.C.Karthik, AP/Civil	Internal Members
8	Dr.D.Sakthivel, AP/Civil	
9	Ms.A.Anitha, AP/Civil	
10	Mr.S.Suresh, AP/Civil	
11	Mr.S.C.Sarathkumar, AP/Civil	
12	Mr.C.Pranesh, AP/Civil	
13	Mr.S.Ramesh Kumar, AP/Civil	
14	Ms.D.Dharani. AP/Civil	

Date: 30-04-2022

(Signature)
Chairman
BoS/Civil
30/04/22

Chairperson - BoS
Dept. of CE - VCET



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution, Affiliated to Anna University)

Department of Civil Engineering

Minutes of Board of Studies Meeting

Name of the Department : Civil Engineering Board: Civil Engineering
Programme (s) : B.E. CE
Date, Time & Venue : 30-04-2022, 11.00 a.m. & Online Mode- Google meet
<https://meet.google.com/nns-apgn-rjx>

Meeting Number : 07

Agenda of Meeting

1. Review of Regulations under R2022.
2. Proposed Curriculum under R2022.
3. Suggestions in academic assessments by innovative teaching methodologies.
4. Marks allocations for internal assessments and end semester examinations
5. Approval of online courses chosen by the students for credit transfer.
6. Any other matters

The members presented in the Board of Studies Meeting is given in Annexure – 01

The chairman of the Board of Studies welcomed all the members to the meeting for reviewing of regulation and curriculum under the Regulation 2022 through online mode as per direction of The Director, Centre for Academic Courses, Anna University, Chennai vide letter no: 1301/AU/CAC/2020 dated 23.07.2020. The following points were reviewed and approved. The points suggested by the members were as follows:

01 – Proposed Curriculum under R2022.

Discussion:

- In the fourth Semester, 22CEL42 – Soil Mechanics and Highway Engineering Laboratory has been changed to fifth semester and Highway Engineering laboratory exercises are combined with concrete technology laboratory and renamed as 22CEL51 – Concrete and Highway Engineering Laboratory.
- In the Sixth semester, 22CEL61 – Survey camp has been changed to fourth semester and course code change as 22CEL42 - Survey camp.
- In the Seventh semester, Change in the name of the course 22CEL71 - Civil Engineering design software as 22CEL71 – Structural Analysis and Design Laboratory.

Resolution: It is resolved to recommend the Curriculum for 1st – 8th Semester under R2022 to the Academic Council for approval.

02 - Question Paper Pattern and Evaluation Methods

Question Paper Pattern

Part A – 10 X 1	= 10 Marks		
Part B – 10 X 2	= 20 Marks		
Part C – 05 X 14	= 70 Marks (Either or)		
Total	= 100 Marks,	Duration	= 3 Hours

Evaluation Methods

Theory

Continuous Assessment = 40%
Semester Examinations = 60%

Practical

Continuous Assessment = 60%
Semester Examinations = 40%

Resolution: It is resolved to recommend the question paper pattern and evaluation methods under R2022 to the Academic Council for approval.

03. Approval of online courses chosen by the students for credit transfer.

Discussion: As per R2018, students those who fulfilling academic requirements can offer one online learning course provided through SWAYAM /NPTEL/MOOCs platform for the purpose of course exemption in eighth semester.

Resolution: It is resolved to approve the online courses offered by SWAYAM /NPTEL chosen by the students for credit transfer.

The chairman of Board of Studies thanked to all the members for their valuable suggestions and coordination


Chairman-BoS 30/04/22

Chairperson - BoS
Dept. of CE - VCET





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Board of Studies Meeting

Attendance

Name of the Department : Computer Science and Engineering
 Meeting No : 08
 Date & Time : 30.04.2022 & 10.30 am
 Venue : Online Mode (<https://meet.google.com/cui-byms-xrv>)

Sl.No.	Name, Designation & Address	Category	Signature
1.	Dr.S.Jabeen Begum, Professor & Head/CSE	Chairman	
2.	Dr. M.Suguna, Assistant Professor (Sr.Gr), School of Computer Science and Engineering (SCOPE),Vellore Institute of Technology, Chennai Campus.	University Nominee	
3.	Dr. P.Varalakshmi, Associate Professor, Department of Computer Technology, Madras Institute of Technology, Anna University, Chennai-600 025.	Academic Council Nominee	Online Mode
4.	Dr.C.Gunavathi, Associate Professor, Department of Smart Computing, School of Information Technology & Engineering, VIT University, Vellore.		
5.	Mr. Roy Antony Arnold G, Senior Consultant, Infosys, Chennai.	Industry / Corporate Sector	
6.	Mr.Shanmugavel Subramani, Senior Engineering Manager, CRED AVENUE, Chennai.	Alumnus	
7.	Dr. V. Latha Jothi, Professor / CSE	Internal Members	Lakshmi 30/4/22
8.	Dr. S. Sadesh, Professor / CSE		S. Sadesh 30/4/22
9.	Dr. S .Kayalvili, Professor / CSE		S. Kayalvili 30/4/22
10.	Dr. S. Gokulraj, ASP / CSE		S. Gokulraj 30/4/22
11.	Dr. M. Deepa, ASP / CSE		M. Deepa
12.	Ms. M. Mohanasundari, AP / CSE		M. Mohanasundari 30/4/22
13.	Ms. K. Vijaya, AP / CSE		K. Vijaya
14.	Ms. C. Kotteeswari, AP / CSE		C. Kotteeswari 30/4/22
15.	Mr. S.Vivekanandan, AP / CSE		S. Vivekanandan 30/4/22
16.	Ms. D. Lavanya, AP / CSE		D. Lavanya 30/4/22

17.	Ms. S. Subathra, AP / CSE		
18.	Ms. S. Nithya, AP / CSE		
19.	Ms.M.Thilagarani, AP / CSE		M. Thilaga
20.	Ms.S.Keerthika, AP / CSE		S. Keerthika
21.	Mr.A.P.Gopu, AP / CSE		A.P. Gopu
22.	Ms.R.Vishalakshi, AP / CSE		R. Vishalakshi
23.	Ms.M. Priyavarshini, AP / CSE		M. Priyavarshini
24.	Ms.R. Gowsalya, AP / CSE		R. Gowsalya
25.	Ms.V. Tamilselvi, AP / CSE		V. Tamilselvi
26.	Ms.R. Sowmya, AP / CSE		R. Sowmya

Date: 30.04.2022

 30/4/22
Chairman - BoS
Chairperson - BoS
Dept. of CSE - VCET



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University)

Department of Computer Science and Engineering

Minutes of Board of Studies Meeting

Name of the Department: Computer Science and Engineering

Board: Computer Science and Engineering

Programme(s): B.E-CSE, B.Tech AI&DS & M.E-CSE

Date, Time & Venue : 30.04.2022, 10:30 am, Online Mode

Meeting Number : 08

Agenda of Meeting:

- To approve the curriculum and syllabus of UG program B.E (Computer Science and Engineering) & B.Tech (Artificial Intelligence and Data Science) for R-2022 First Year(I and II Semester).
- To approve the curriculum and syllabus of PG program M.E (Computer Science and Engineering) for R-2022.
- Any other matter.

The list of members present in the Board of Studies Meeting is given in Annexure – 1:

The Chairperson / BoS welcomed all the members to the 8th meeting of Board of Studies for the review and approve the curriculum of UG program B.E (Computer Science and Engineering), B.Tech (Artificial Intelligence and Data Science), and PG program M.E (Computer Science and Engineering) for R-2022 online mode. The minutes of the meeting are as follows:

01 - Framing of Curriculum and Syllabus for R-2022 I- Year B.E CSE & B.Tech AI & DS (I & II Semester).

Discussion

BoS members reviewed the curriculum and syllabus of B.E – CSE & B.Tech AI & DS (I and II Semester) under R-2022 and recommended as below:

S.No	Course Code & Title	Recommendation by BoS members
1	22CST11 & Python Programming	<ul style="list-style-type: none">• It is recommended to remove the OOP Concepts and Database connectivity from Unit 4 & 5. Since the topics are too heavy for them to study in semester 1.• It is recommended to include topics like gaming tools in unit 5.

2	22CSL11 & Python Programming Laboratory	<ul style="list-style-type: none"> • It is recommended to include scenario based questions. • Pygame tool based exercises may be included.
3	General Discussion	<ul style="list-style-type: none"> • Under this new curriculum, the Professional Electives may be grouped based on domains.

Resolution

It is resolved to refine the syllabus in R-2022 Curriculum of B.E- Computer Science and Engineering & B.Tech – Artificial Intelligence and Data Science programme(s) and the same is submitted to the Academic Council for approval.

02 - Framing of Curriculum and Syllabus for R-2022 M.E CSE

Discussion

BoS members reviewed the curriculum and syllabus of M.E – CSE under R-2022 and recommended as below:

S.No	Name of the Subject / Course Component	Comments from BoS Members
1	Addition of Security in Computing as core course.	Suggested to have Security in Computing course as core course in semester 1.
2	Multicore Architecture and Programming	Since Security in Computing is suggested as core course, Multicore Architecture and Programming moved to Professional Elective category.
3	New course on Block chain	Suggested to have the new course related to Block chain in Professional Elective.
4	General Discussion	<ul style="list-style-type: none"> • Under this new curriculum, the Professional Electives may be grouped based on domains. • It is suggested to include more industrial case studies in core syllabus. • It is suggested to ensure the prescribed Text Books and Reference books may be latest edition.

Resolution

It is resolved to refine the Curriculum and syllabus in R-2022 Curriculum of M.E- Computer Science and Engineering and the same is submitted to the Academic Council for approval.


 Chairperson-BoS
 Chairperson - BoS
 Dept. of CSE - VCET



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Board of Studies Meeting

Attendance

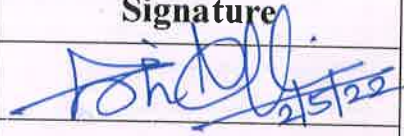

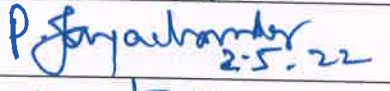
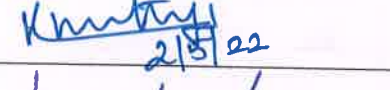
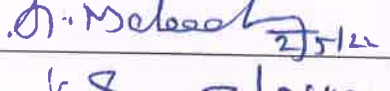
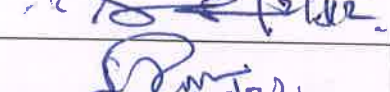
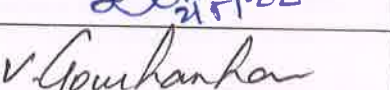

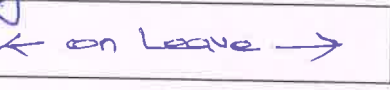
Name of the Department : Electronics and Communication Engineering

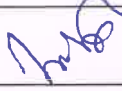









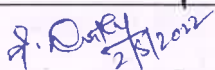
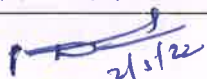
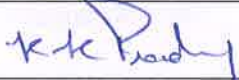


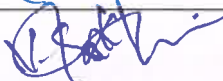





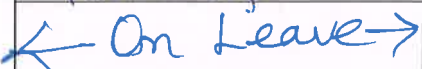

Meeting No : 07

Date & Time : 02.05.2022 & 03.00 p.m.

Venue : Online Mode

Google Meet Link : <https://meet.google.com/vvd-wxvx-kpm>

Sl.No.	Name	Category	Signature
1.	Dr.M.Nisha Angeline	Chairperson	
2.	Dr. D.Deepa	University Nominee	Online
3.	Dr.P.Palanisamy,	External Expert Members	Online
4.	Dr.S. RenugaDevi		Online
5.	Mr.B.Sethupathi	Industry / Corporate Sector	Online
6.	Mr.R. Sridhar		Not Present
7.	Mr. S.S.Gokul Nathan	Alumnus	Online
8.	Dr. K.R. Valluvan	Internal Members	 02.05.22
9.	Prof. P. Jayachandar		 2-5-22
10.	Dr.K.Venkatachalam		 2/5/22
11.	Dr.S.Mahendra Kumar		 2/5/22
12.	Dr.K.SenthilPrakash		 2/5/22
13.	Dr.S. Rajan		 2/5/22
14.	Dr.V.Gowrishankar		 2/5/22
15.	Dr.M. Parimala Devi		 2/5/22
16.	Dr.V.Aarthi		← on leave →

17.	Mr.M.Vijayan	Internal Members	
18.	Mr.P.Senthil Kumar		
19.	Ms.S.Pavithra		
20.	Mr.K.S.Murugesan		
21.	Mr.R.Gopalan		
22.	Ms.K.Kavitha		
23.	Mr.N.Karthikeyan		
24.	S.Pooranachandran		
25.	Mr.G.Boopathi Raja		
26.	Ms.T.Sathya		
27.	Mr.S.Nachimuthu		
28.	Ms.P.Nandhini		
29.	Mr.K.K.Pradeep		
30.	Ms.P.Ragavi		
31.	Ms.R.Mohanabarathy		
32.	Ms.V.Sakthipriya		
33.	Ms.M.Shivaranjani		
34.	Ms.S.Aiswarya		
35.	Ms.M.Ruba		
36.	Ms.C.Santhini		
37.	Ms.R.Hemalatha		
38.	Ms.Ba.Sindhu		
39.	Mr.B.Dinesh kumar		


Chairperson - BoS (ECE)
Chairperson - BoS
Dept. of ECE - VCET



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University)

Department of ECE

Minutes of Board of Studies Meeting

Name of the Department	:	ECE	Board: ECE
Programme (s)	:	B.E - ECE	
	:	M.E – Applied Electronics	
Date, Time & Venue	:	02-05-2022 03.00pm through Google Meet	
Google Meet Link	:	https://meet.google.com/vvd-wxvx-kpm	
Meeting Number	:	07	

Agenda of Meeting

1. Review of Regulations 2022.
2. Review of Curriculum under R-2022 for B.E-ECE
3. Review of first Year Course Syllabus under R-2022
4. Summary of credits.
5. Review of Curriculum under R-2022 for M.E-Applied Electronics
6. Review of first Year Course Syllabus under R-2022
7. Summary of credits.
8. Any other matters.

The list of members present in the Board of Studies Meeting is given in Annexure – 01

The Chairperson of the Board of Studies welcomed all the members to the meeting for reviewing the curriculum and syllabi under the Regulations 2022. The items listed in the agenda were taken for discussion one by one. The minutes of the meeting are as follows:

01 - Review of Curriculum & Syllabi under R2022 (BE-ECE)

Discussion:

The entire curriculum from 1st to 8th semesters of BE-ECE under R2022 were reviewed. The first and second semester syllabi of BE-ECE under R2022 were reviewed.

Semester 1:

- 1.1 The content of first and second semester courses “22ECT11 Semiconductor Devices, 22ECT21 Electrical and Instrumentation Engineering and 22ECL21 Electron Devices Laboratory” were discussed.

- 1.2 BoS members found that the syllabi of the proposed courses are in line with the current technology. They suggested to include practical applications in the course 22ECT11 Semiconductor Devices. However by considering the above points, the applications may be included in the third semester.
- 1.3 BoS members suggested to shift the course “22ECT61 Computer Communication Networks” which was proposed in fifth semester to sixth semester to coincide with practical course. Instead, “22ECT53 Wireless and Mobile Communication” may be in the fifth semester.

Resolution:

It is resolved to incorporate the changes mentioned by BoS members.

02- Review of entire Curriculum and syllabi of 1st and 2nd semesters of ME-AE Programme under R2022.

Discussion:

The entire curriculum for 1st to 4th semesters of ME-AE programme under R2022 were reviewed. The first and second semester syllabi of ME-AE under R2022 were reviewed.


Semester 1:

- 2.1 For the course titled “22AET11 Advanced Digital Signal Processing”, in Unit 1 and 2 applications and advanced technologies associated with Image Processing may be included.

Resolution:

It is resolved to modify the syllabus as suggested above.

The Chairperson of Board of Studies thanked all the members for their valuable suggestions and coordination.


Chairperson-BoS
9/5/22
Chairperson - BoS
Dept. of ECE - VCET



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Board of Studies Meeting
Attendance

Name of the Department : **Electrical and Electronics Engineering**
Meeting No : **07**
Date & Time : **30.04.2022 & 10.00 AM Online Mode**
Google Meeting Link : **<https://meet.google.com/fvv-yhyd-sqk>**

Sl. No.	Name	Category	Signature
1.	Dr. P. Sakthivel	Chairman	
2.	Dr. S.T. Jaya Christa	University Nominee	
3.	Dr. I. Jacob Raglend	External Expert Members	
4.	Mr. Antony Prem	Industry / Corporate Sector	
5.	Mr. K. Kumarasamy		
6.	Mr. N. Vaneeswaran	Alumnus	
7.	Dr. M. Sreedhar	Internal Members	
8.	Mr. S. Saravanan		
9.	Dr. C. Gokul		
10.	Dr. K. Vanchinathan		
11.	Mr. P. Rajasekaran		
12.	Mrs. M. Chitra		
13.	Mr. V. Sabarivelu		

Chairman - BoS (EEE)



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

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Department of Electrical and Electronics Engineering

Minutes of Board of Studies Meeting

Name of the Department : Electrical and Electronics Engineering
Board : Electrical and Electronics Engineering
Programmes : B.E - Electrical and Electronics Engineering
: M.E – Embedded System Technologies
Date, Time & mode : 30.04.2022, 10.00 AM, Online Mode
Meeting Number : 07

Agenda of Meeting

1. Approval of Curriculum under R-2022.
2. Approval of Syllabus for first year courses under R-2022.
3. Any other matters.

The list of members present in the Board of Studies Meeting is given in Annexure – 01

The Chairperson/BoS welcome all the members to the 7th meeting of Board of Studies for the approval of syllabus under R-2022 conducted through online mode. The items listed in the agenda are taken for discussion one by one. The minutes of the meeting are as follows:

01 -- Approval of Curriculum under R-2022

Discussion

The following corrections are pointed out in the curriculum under R-2022

S.No	Name of Bos Members	Recommendation/Remarks by BoS members
1.	Dr. S.T. Jaya Christa	<ul style="list-style-type: none">• Electrical safety and management can be added as elective course.• In '22EEE27- Electrical Energy Utilization and Estimation' course refrigeration and air cooler topics may be added.
2.	Dr. I Jacob Raglend	<ul style="list-style-type: none">• Ensure that latest edition of Text books and reference books are mentioned in the curriculum.• Either give weightage for all the PO's while framing syllabus or frame syllabus of few courses which to be mapped with all the PO's and PSO's
3.	Mr. Antony Prem	<ul style="list-style-type: none">• Ensure that students those who are under gone internship has project-based training
4.	Mr. K. Kumarasamy, BE, ME.,	<ul style="list-style-type: none">• Include the subject as professional elective for "Erection, Testing and Commissioning of Electrical equipments" that includes topics of erection of machines, wiring of equipments, Testing and Pre commissioning tests.
5.	Mr. N. Vaneeswaran.	<ul style="list-style-type: none">• Change the order of programming language taught like first C and the Python.

Resolution

It is resolved to include the changes in Regulations 2022 curriculum of B.E – Electrical and Electronics Engineering programme and the same is submitted to the Academic Council for approval.

02 – Approval of Curriculum under R-2022

Discussion

BoS members reviewed the syllabus of first year courses under the Regulations 2018 and recommended as below:

S. No	COURSE CODE & TITLE	Recommendation by BoS members
1.	22EET22-Basic of Electrical and Electronics Engineering	Include DC Circuits in unit-I.

Resolution

It is resolved to recommend the ratified Syllabus under R-2022 to the Academic Council for approval.

05. Any other Matters

Recommendation by the BoS Members:

- It is suggested to conduct Mentor – Mentee program whereas the interested students may join as Mentee and the Alumnus may be Mentors in their related field.

Resolution

The Chairman of BoS assured to incorporate the changes in the syllabi and curriculum as suggested in the meeting by the members where ever possible.

The chairman of Board of Studies thanked all the members for their valuable suggestions and coordination.



Chairperson - BoS
Dept. of EEE - VCET



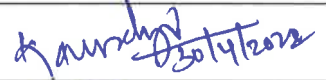

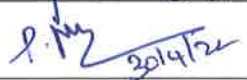






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Board of Studies Meeting

Attendance

Name of the Department : B.E. MEDICAL ELECTRONICS
Meeting No : 05
Date & Time : 30.04.2022 & 11:30 am
Venue : MDE Department(Online mode)

Sl.No.	Name	Category	Signature
1.	Dr.V.Chandrasekaran	Chairman	 30/4/22
2.	Dr. Vijay Jeyakumar	University Nominee	Online Mode
3.	Dr. Judith Justin	External Expert Members	
4.	Dr.P.Manimegalai		
5.	Mr.B.Kannan	Industry / Corporate Sector	ABSENT
6.	Mr.D.Satheesh	Alumnus	Online Mode
7.	Dr.M.Pravin Kumar	Internal Members	 30/4/22
8.	Ms. K. S.Kausalya Devi		 30/4/2022
9.	Ms.S.B.Abitha		 30/4/2022
10.	Mr.P.Prakash		 30/4/22
11.	Ms K. Vanitha		 30/4/22
12.	Mr. S. Surender		 30/4/22
13.	Ms. P.Poornima		 30/4/22


 Chairman - BoS (MDE)
 30/4/22
 Chairperson - BoS
 Department of MDE, VCET



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

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Department of Medical Electronics (MDE)

Minutes of Board of Studies Meeting

Name of the Department	:Medical Electronics	Board: MDE
Programme (s)	:BE –Medical Electronics	
Date, Time & Venue	:30.04.2022, 11.30am & MDE Department (Online Mode)	
Meeting Number	:05	

Agenda of Meeting

1. Framing of B.E.-Medical Electronics Curriculum under R 2022.
2. Framing First and Second Semester Syllabus for B.E.-Medical Electronics.
3. Summary of Credits.
4. Any other matters.

The members presented in the Board of Studies Meeting is given in Annexure – 01

The chairman of the Board of Studies welcomed all the members to the meeting for discussing proposed B.E.-Medical Electronics Curriculum and syllabus under the Regulation 2022 through online mode as per direction of The Director, Centre for Academic Courses, Anna University, Chennai vide letter no: 1301/AU/CAC/2020 dated 23.07.2020. The following points were proposed. The points suggested by the members were as follows:

01- Review of Curriculum and Summary under R2022

- The BoS members reviewed the curriculum of 1st to 8th semesters and syllabi of 1st and 2nd semester for B.E.-Medical Electronics Programme.
- Summary of Medical Electronics was explained and discussed with BoS members. It was compatible with AICTE model curriculum at present and the schemes verified.
- Value added Courses for each domain was reviewed by the Board of Studies members for B.E.-Medical Electronics Programme.

02-Framing of B.E.-Medical Electronics Curriculum under R 2022

Discussion:

- Matrices and Differential Equations course shall be included in semester -1.
- Calculus and Complex Analysis and Medical Physics, Python Programming courses shall be included in semester-2.
- Robotics and Automation in Medicine, Medical Device Design Fundamentals, Electrical Safety & Quality Assurance, Medical ethics and standards, Wearable systems and mobile health care, Health care data analytics, Assistive and

Augmentative Technologies Quality control for medical devices courses are proposed in Professional Electives I,II,III,IV,V,VI,VII and VII accordingly.

- Hospital Waste Management, Hospital Information System, IoT Applications in Healthcare are proposed in Open Electives offered to other departments.

Resolution:

It is resolved to recommend the above mentioned courses, value added practical courses, evaluation methods and Question Paper Pattern in R2022 curriculum of the proposed B.E.- Medical Electronics programme and the same is submitted to the Academic Council for approval.

03 - Framing First and Second Semester Syllabus for B.E.-Medical Electronics.

Suggestions by the members as Concluding Remarks

- DC Motors, Servo motors topics shall be included in Electric Circuits and Machines.
- Latest editions need to be added in all the reference and text books.
- The Board recommended ECE & BME to provide dedicative open electives for the benefit of MDE students.

Resolution:

It is resolved to recommend the curriculum of 1st to 8th semesters of B.E.-Medical Electronics Programme, value added practical courses, evaluation methods and Question Paper Pattern to the Academic Council for approval.

The chairman of Board of Studies thanked all the members for their valuable suggestions and coordination.


BoS- Chairman(MDE)
30/4/22
Chairperson - BoS
Department of MDE, VCET



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Board of Studies (BoS) Meeting
Attendance

Name of the Department : Mechanical Engineering
Meeting No : 07
Date & Time : 30.04.2022 & 10.00 a.m.
Venue : CAD Lab

The names of members present in the Board of Studies is given below

S.No	Name	Position	Signature
1.	Dr. R. Kumaravelan	Chairman	
2.	Dr. S.P. Asok	University Nominee	
3.	Dr. N. Alagumurthi	Academic Nominee	
4.	Dr. K. Jayabal	Academic Expert	
5.	Mr. Natarajaperumal Vasudevaraju	Industry Expert	
6.	Mr. C. Nandagopalan	Industry Expert	
7.	Mr. P. Shrinesh	Alumnus	
8.	Dr. M. Jayaraman	Internal Members	
9.	Dr. S. Velumani		
10.	Dr. A. Thirumoorthy		
11.	Dr. R. Prakash		
12.	Mr. K. Ramakrishnan		

S.No	Name	Position	Signature
13.	Mr. M. Gopi	Internal Members	M. Gopi
14.	Mr. D. Senthil Kumar		D. Senthil Kumar
15.	Mr. D. Kesavan		D. Kesavan
16.	Mr. T.C.R. Dinesh		T.C.R. Dinesh
17.	Mr. V. Mohankumar		V. Mohankumar
18.	Mr. S. Arun Kumar		S. Arun Kumar
19.	Mr. A. Manojkumar		A. Manojkumar
20.	Mr. E. Ajaikumar		E. Ajaikumar
21.	Mr. L. Arulshankar		
22.	Mr. A.T. Navin Prasad		A.T. Navin Prasad
23.	Mr. G. Raja		G. Raja
24.	Mr. S. Karvendhan		S. Karvendhan


 Chairman - BoS (Mech)
 Chairperson - BoS
 Dept. of ME - VCET



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
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Department of Mechanical Engineering

Minutes of Board of Studies Meeting

(online via Google meet platform)



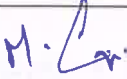
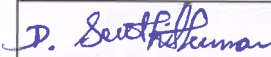
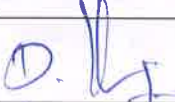
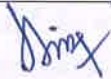
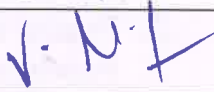
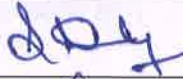
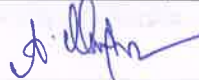
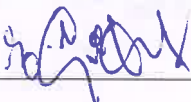

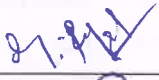

Name of the Department : Mechanical Engineering Board: Mechanical
Programme (s) : B.E. Mechanical Engineering
Date, Time & Venue : 30.04.2022, 10.00 a.m. CAD Lab
Meeting Number : 07

Agenda of Meeting

1. Review of Syllabus under R2018.
2. Framing of Curriculum under R2022.
3. Framing of Syllabus under R2022 for semester I & II.
4. Any other matters.

The members presented in the Board of Studies Meeting is given below

S.No	Name	Position	Signature
1.	Dr. R. Kumaravelan	Chairperson	
2.	Dr. S.P. Asok	University Nominee	
3.	Dr. N. Alagumurthi	Academic Nominee	
4.	Dr. K. Jayabal	Academic Expert	
5.	Mr. Natarajaperumal Vasudevaraju	Industry Expert	
6.	Mr. C. Nandagopalan	Industry Expert	
7.	Mr. P. Shrinesh	Alumnus	
8.	Dr. M. Jayaraman	Internal Members	
9.	Dr. S. Velumani		
10.	Dr. A. Thirumoorthy		

S.No	Name	Position	Signature
11.	Dr. R. Prakash	Internal Members	
12.	Mr. K. Ramakrishnan		
13.	Mr. M. Gopi		
14.	Mr. D. Senthil Kumar		
15.	Mr. D. Kesavan		
16.	Mr. T.C.R. Dinesh		
17.	Mr. V. Mohankumar		
18.	Mr. S. Arun Kumar		
19.	Mr. A. Manojkumar		
20.	Mr. E. Ajaikumar		
21.	Mr. L. Arulshankar		
22.	Mr. A.T. Navin Prasad		
23.	Mr. G. Raja		
24.	Mr. S. Karvendhan		

The chairman of the Board of Studies welcomed all the members to the meeting for framing of curriculum under R2022 and the syllabus for I and II semester under the Regulation 2022. The items listed in the agenda are taken for discussion one by one. The minutes of the meeting are as follows:

01 – Review of Syllabus under R2018

No modification has been made as there is no change in syllabus.

02- Framing of Curriculum under R2022.

The proposed curriculum for R2022 was approved with the following modifications / suggestions:

- i. The time for undergoing Internship can be specified in the Regulations as it is reflected in the Seventh semester grade sheet.
- ii. The number of courses offered during 5th semester may be reduced and 3rd semester may be increased.
- iii. The topic “Probability” may be included in any of mathematic courses in 3rd or 4th Semester.
- iv. Micro Electro-Mechanical Systems (MEMS) and Enterprise Resource Planning (ERP) may be included in curriculum.
- v. Artificial Intelligence may be combined with Robotics, and it can be offered as a core course since it is the need of the hour.
- vi. The course title ‘Machine Drawing’ need to be replaced with ‘Production Drawing, Process Planning and Cost Estimation’.
- vii. ‘Professional Ethics’ and ‘Principles of Management and Industrial Psychology’ courses may be combined into single course.

RESOLUTION:

- i. It will be incorporated in the Regulations.
- ii. It will be modified accordingly based on the common policy followed throughout the Institution.
- iii. It will be incorporated with the approval of BoS-Mathematics.
- iv. The course MEMS has been included in the list of courses under Professional Elective – 1 and ERP has been included in the list of courses under Professional Elective – 2
- v. As suggested by the BoS members, the course titled “Robotics and Artificial Intelligence” has been included as a Professional Core course in Semester 6.
- vi. The contents of the course “Machine Drawing” has been included in the syllabus of the available course titled “Process Planning and Cost Estimation (Professional Elective-5).
- vii. As ‘Professional Ethics’ is a mandatory course as per AICTE model curriculum, the suggestions will be incorporated in the next revision.

03- Framing of Syllabus under R2022 for semester I & II

The syllabi for the following courses were approved with the following modifications:

- a. Engineering Graphics
 - i. Geometry needs to be mentioned as a prerequisite.
 - ii. In Unit 1, the topic 'Basic geometrical constructions of circular and polygonal surfaces shall be included.
 - iii. The topics 'Determination of True length by trapezoidal method' shall be included in Unit 2.
- b. Workshop Practices Laboratory
The syllabus was approved as presented.
- c. Engineering Mechanics
 - i. In Unit 4, the topic 'Dynamics of Particles' and the related contents shall be moved to Unit 5.
 - ii. Friction shall be kept as a Unit 4.
- d. Computer Aided Drafting and Modeling Laboratory
The syllabus was approved as presented.

RESOLUTION:

The points specified above have been incorporated in the syllabi and approved by the Board.

04 – Any other matters

Common points suggested by the members as Concluding Remarks

1. NEP implementation shall be ensured as per the AICTE / UGC norms.

The Chairman of Board of Studies agreed and assured to incorporate the changes wherever possible.

Finally, the chairman of Board of Studies thanked all the members for their valuable suggestions and coordination.


Chairman-BoS
Chairperson - BoS
Dept. of ME - VCET

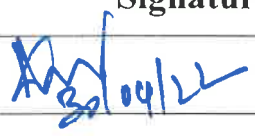

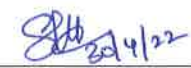

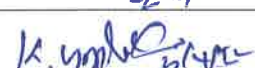
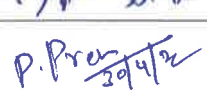
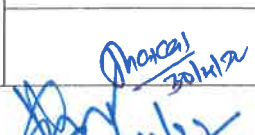


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Board of Studies Meeting
Attendance

Name of the Department : Information Technology
Meeting No. : 07
Date & Time : 30.04.2022, 09:00 A.M.
Venue : Online Mode
 (Zoom Meeting)

Link: <https://us02web.zoom.us/j/82012732571?pwd=M29FbmYwQ1QxVC92QT11MH12TS9LZz09>
 Meeting ID: 820 1273 2571
 Passcode: 810646)

Sl.No.	Name	Category	Signature
1.	Dr. V. K. Manavalasundaram	Chairman	
2.	Dr. V. Vijilesh	University Nominee	Online Mode
3.	Dr. V. Kavitha	Academic Council Members	
4.	Dr. C. Sathiya Kumar		
5.	Mr. S. Elangathir	Industrial Expert	
6.	Mr. M. Vijayendhiran	Alumnus	
7.	Dr. R. Mynavathi	Internal Faculty Members	
8.	Dr. K. Ganesh Kumar		
9.	Dr. S. Viveka		
10.	Dr. R. Menaka		
11.	Mr. K. Gopalakrishnan		
12.	Mrs. P. Prema		
13.	Mr. P. Prakash		

Chairperson BoS
Dept of IT VCET
Chairman - BoS (IT)



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University)

Department of Information Technology

Minutes of Board of Studies Meeting

Name of the Department: Information Technology Board: Information Technology
Programme : B.Tech -Information Technology
Date, Time & Venue : 30.04.2022, 09:00 am, Online Mode
Meeting Number : 07

Agenda of Meeting

- Ratification of syllabus under R-2018
- Framing of Curriculum and Syllabus for R-2022 Ist Year B.Tech IT
- Any other matters

The list of members present in the Board of Studies Meeting is given in Annexure – 1

The Chairperson / BoS welcomed all the members to the 7th meeting of Board of Studies for the ratification of syllabus under R-2018 and Framing of Curriculum and Syllabus for R-2022 Ist Year B.Tech IT conducted through online mode. The items listed in the agenda are taken for discussion one by one. The minutes of the meeting are as follows

01 . Review of Ratification of syllabus under R-2018

Discussion

BoS members reviewed the syllabus of all semester courses, professional electives, open electives and value-added courses under the Regulations 2018 and recommended as below:

S.No.	Course Code & Title	Recommendation by BoS members
Core Courses		
1.	18ITT51– Java Programming	It is suggested to elaborate database connectivity concepts in Unit-5 and since Stream API is a vast concept, it can be removed.
Professional Elective - III		
2.	18ITE09 – M-Commerce	It is recommended to modify the contents in Unit-1 titled Electronic Commerce and suggested to change the text book based syllabus coverage.

Resolution

It is resolved to recommend the ratified Syllabus under R-2018 to the Academic Council for approval.

02. Framing of Curriculum and Syllabus for Semester I & II under R-2022

- The Syllabi for the following courses were approved as presented

Semester II:

- ✓ C Programming
- ✓ C Programming laboratory

- It is suggested to add Engineering Practice laboratory course in 2nd semester.
- The BoS members have gone through the curriculum under R-2022 and recommended to swap the two courses Software Engineering and Operating systems in 3rd and 4th semester respectively.

03. Any other matters

- It is suggested to group the professional electives based on domains specific under R-2022 curriculum.
- It is suggested to include more industrial oriented practical courses in Value added courses.

The Chairperson of Board of Studies thanked all the members for their valuable suggestions and contribution.



Chairperson-BoS
Chairperson BoS
Dept of IT VCET

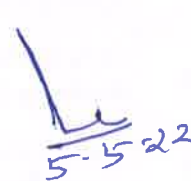

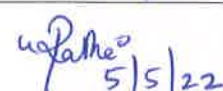
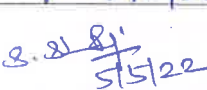
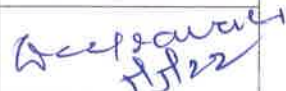


**VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY,
(AUTONOMOUS)**

Department of Science and Humanities

Members of Board of Studies

Date: 05.05.2022

Sl.No	Name, Designation & Address	Category	Signature
1.	Dr.M. Eswaramurthi, Professor of Mathematics, Head of Department, Department of Science and Humanities, VCET. Email id: meswaramurthi@gmail.com 94871 49205	Chairman	 5-5-22
2.	Dr.A.Anne Dorothy, Assistant Professor(SG)&Head, Department of English, Saveetha Engineering College, Thandalam, Chennai-602105. Email id: annedorathya@saveetha.ac.in Mobile:9994380829	University Nominee & Subject Expert English	Online
3	Dr.Sai Sundara Krishnan.G, Professor , Department of Applied Mathematics and Computational Sciences, PSG College of Technology Peelamedu Coimbatore-641001 Email id: ssk.amcs@psgtech.ac.in Mobile:9944139613	External Member &Subject Expert Mathematics	Online
4	Dr.P.N.Palanisamy, Professor & Head, Department of Chemistry, Kongu Engineering College, Perundurai-638052. Email id: drpnp@kongu.ac.in Mobile:9488644390	External Member &Subject Expert Chemistry	Online
5	Dr.K.Tamilarasan, Professor & Head, Department of Physics, Kongu Engineering College, Perundurai-638052. Email id: dr.k.tamilarasan@gmail.com Mobile:9842966128	External Member &Subject Expert Physics	Online
6.	Dr.C.S.Gowri, Professor of Mathematics	Internal Member	 5/5/22
7	Dr.K.Rathi, Professor of Mathematics	Internal Member	 5/5/22
8	Dr.S.Senthilraj, Asst. Prof./ Mathematics	Internal Member	 5/5/22
9	Dr.Deepa Jananakumar, Professor and Co-ordinator/Physics	Internal Member	 5/5/22

10	Dr.N.Thangaraj, Professor/Physics	Internal Member	<i>N. Thangaraj</i> 5/5/22
11	Dr.S.Ranjith Professor/Physics	Internal Member	<i>S. Ranjith</i> 5/5/22
12	Dr.K.Manikandan , Professor and Co-ordinator/Chemistry	Internal Member	<i>K. Manikandan</i> 5/5/22
13	Dr.S.Kalaiselvi Assoc.Prof/ Chemistry	Internal Member	<i>S. Kalaiselvi</i> 5/5/22
14	Dr.S.Hemalatha Professor and Co-ordinator/English	Internal Member	<i>S. Hemalatha</i> 5/5/22
15	Ms.B.S.Gomathi Assoc.Prof/English	Internal Member	<i>B. S. Gomathi</i> 5/5/22
16	Ms.V.Suguna Asst.Prof/English	Internal Member	<i>V. Suguna</i> 5/5/22

Date : 05.05.2022

[Signature]
5-5-22
Chairman-BoS



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
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Minutes of Board of Studies (BoS) Meeting

Name of the Department	Science and Humanities
Names of the Programmes	B.E. / B.Tech
Meeting No	07
Date & Time	05.05.2022 & 10.30 a.m.
Venue	VCET Campus (Virtual meeting)

Agenda of Meeting

1. Review of Syllabus under R2018.
2. Framing of Curriculum under R2022.
3. Framing of Syllabus under R2022 for semester I & II.
4. Any other matters.

The members presented in the Board of Studies is given in Annexure-I

1. Chairman/ BoS welcomed all members for the 7th meeting of Board of Studies.
2. Chairman / BoS introduced the members.

The Chairman of the Board of Studies welcomed all the members to the first meeting convened for framing the new syllabus to various courses under Regulation 2022. The members of Board of Studies have gone through the syllabus unit by unit and the following recommendations are made:

01 – Review of Syllabus under R2018

No modification has been made as there is no change in syllabus.

02-Framing of Curriculum under R2022.

The proposed curriculum for R2022 is approved with the following modifications / suggestions:

Department of English

Item - 01

Discussion: The members of the Board of Studies went through the proposed syllabi for the courses Communicative English and Professional English.

Resolution: It is resolved to recommend the above courses to the Academic Council for its approval.

Item- 02

Discussion: The Board went through the proposed syllabi of English and the following suggestions were made:

Communicative English

1. In Unit I, Introduction to Fundamentals of Communication, it was suggested to include the topic 'Writing about Oneself' to make communication more effective.
2. In Unit II, Expressing Casual Conversations, it was suggested to modify the topic 'Personal Email' to 'Email to a friend'.
3. In Unit III, Topics like Tips and Strategies for GD and Agreeing and Disagreeing could be added.
4. In Unit V, the topic 'Designing a Website' shall be moved to writing part and 'Clarifying an Error in the Bill' shall be moved to reading part.

Professional English

1. In Unit III under reading, instead of 'Nonverbal communication', it was suggested to have 'Interpretation of Graphics', added to that 'Mechanics of Writing' might be incorporated instead of 'Writing Problems'.
2. In Unit IV, under writing, it was suggested to add the topic 'Filling up the Job Application'.
3. In Unit V, along with Idioms, Phrases shall be added.

Resolutions:

The points specified above have been incorporated in the syllabi and approved by the Board.

Department of Mathematics

The Board reviewed the proposed syllabus for 1st and 2nd semesters under the Regulation 2022.

Item- 01

Discussion: The members of Board of Studies went through the proposed syllabi of Mathematics courses for the semesters I, II, III and IV.

Resolution: It is resolved to recommend these courses to the Academic Council for its approval.

Item- 02

Discussion: The Board reviewed the proposed syllabi of Mathematics and the following suggestions were made:

All the nine Engineering Programmes are grouped into 3 clusters as follows

Group A

B.E-Bio Medical Engineering

B.E-Electrical and Electronics Engineering

B.E- Electronics and Communication Engineering and

B.E- Medical Electronics

Group B

B.E - Computer Science and Engineering

B.Tech - Information Technology

B.Tech - Artificial Intelligence and Data Science

Group C

B.E- Mechanical Engineering

B.E- Civil Engineering

Different courses for Mathematics are prescribed for different clusters.

Group A

- It was suggested that Laplace transforms may be swapped with Multiple Integrals in the course for Semester I.
- The following books may be prescribed as Textbooks for the Mathematics course offered in Semester I and Semester II:
 - (i) Kreyszig Erwin, "Advanced Engineering Mathematics", John Wiley and Sons, 10th Edition, New Delhi, 2016.
 - (ii) George B, Thomas, Joel Hass, Christopher Heil and Maurice D. Weir "Thomas' Calculus". Pearson 14 th Edition, 2018

Group B

- It was suggested to title the course for first semester as "Matrices and Differential Calculus".

- Unit I in “Matrices and Differential Calculus” may be renamed as “Eigen Values and Eigen Vectors”
- It was suggested to include Ordinary Differential Equations as one of the units in Semester I
- It was suggested to add the topic “Axioms of Probability” in Unit I in second semester course “Probability and Statistics”
- It was suggested to remove the unit “Statistical Quality Control” and “Estimation of Parameters” may be included as one among the five units in second semester course.

Group C

- The drafted syllabus prescribed was accepted as presented.

PG Syllabus:

- It was suggested to include the topics like Matrix theory, Fourier Series, Fourier Transforms, Linear Programming and Non-Linear Programming in the PG course “Advanced Applied Mathematics” offered by ME – Biomedical Engineering, Embedded Systems and Applied Electronics.
- For the Course ME-Computer Science and Engineering, it was suggested to have “Advanced Mathematics for Computer Science Engineers”, with “Vector Space, Linear Transformation, Inner Product Space, Linear Programming and Non Linear Programming”.
- Howard Anton and Chris Rorres, “Elementary Linear Algebra: Applications Version”, Wiley India, New Delhi, 2018 may be prescribed as Text Books for the PG Syllabus.

Resolution: The points specified above have been incorporated in the syllabi and approved by the Board.

Department of Physics

Item - 01

Discussion: The Board reviewed the proposed syllabus for the following courses:

Engineering Physics (Common to all B.E/B.Tech programmes – First Semester)

Materials Science (CE and ME – Second Semester)

Physics for Information Sciences (CS, IT and AI & DS – Second Semester)

Physics for Electrical Sciences (EC and EE – Second Semester)

Physics Laboratory I (Common to all B.E/B.Tech programmes – First Semester)

Physics Laboratory II (Common to all B.E/B.Tech programmes – Second Semester)

Resolution: It is resolved to recommend the above courses to the Academic Council for its approval.

Item- 02

Discussion: The members of the Board of Studies went through the proposed syllabi of Physics and the following suggestions were made:

Engineering Physics

- i. The Course "Engineering Physics" is framed as a common syllabus to all the programmes in first semester (AI&DS, BM, CE, CS, EC, EE, IT, MD and ME). Some changes in the content of the syllabus have been carried out considering the fundamental nature of the subject and the brief view over the engineering applications.
- ii. In Unit I, Laser, it was suggested to remove the word principle associated with spontaneous and stimulated emission.
- iii. In Unit II, Fibre Optics, it was suggested to remove the topic dispersion under optical fibre losses.
- iv. In Unit V, Crystal Physics, the topic burger vector was suggested to be incorporated under line defects.

Physics for Information Sciences

- i. In Unit I, Conducting Materials, the word conductivity was suggested to be replaced with conductivities.
- ii. In Unit II, Semiconducting Materials, it was suggested to include derivations for Intrinsic and extrinsic semiconductors.
- iii. In Unit III, Magnetic and Superconducting Materials, it was suggested to replace Josephson devices with Josephson effect.
- iv. In Unit IV, Optical Materials, it was suggested to add the topic LCD.

Materials Science

- i. In Unit I, Acoustics - it was suggested to remove the topic echoes and echelon effect.
- ii. In Unit IV, Superconducting Materials, it was suggested to replace Josephson devices with Josephson effect.
- iii. In Unit V, New Engineering Materials, two methods of synthesis for top-down approach and bottom-up approach was suggested.

Resolutions:

The points specified above have been incorporated in the syllabi and approved by the Board.

Department of Chemistry

Item - 01

Discussion: The members of the Board of Studies went through the proposed syllabi of Engineering Chemistry, Environmental Science and Engineering, Physics and Chemistry Laboratory-I and Physics and Chemistry Lab-II.

Resolution: It is resolved to recommend the above courses to the Academic Council for its approval.

Item- 02

Discussion: The members of the Board of Studies went through the proposed syllabus of Chemistry and the following suggestions were made:

22CYT11-Engineering Chemistry

- i. In Unit I, Water Technology, it was suggested to include 'Electrodialysis' in Desalination and 'Treatment of Water for Municipal Water Supply' to enrich the knowledge on Industrial and domestic water treatment methods and remove the topic of Zeolite Process in External Treatment.
- ii. In Unit II, 'Metal Finishing', Manufacture of Printed Circuit Board can be added.
In the topic Corrosion, the following topics were suggested to modify:
 - a. Dry and Wet Corrosion as Mechanism of Galvanic, Pitting and Oxidation Corrosion.
 - b. Electroless Plating topic as 'Electroless Copper Plating on Printed Circuit Board'.
- iii. In Unit-III, Energy Storage Devices, it was suggested to include the topics like Li-ion Battery and Microbial Fuel Cell.
- iv. In Unit IV, Nano-chemistry, some special topics like Solgel Method of preparation of Nanomaterials, Instrumentation of Scanning Electron Microscope and Transmission Electron Microscope could be added to enhance the knowledge of Nano-chemistry.

The following topics were modified as:

- a. Properties of nanoparticles to optical, electrical, mechanical and magnetic properties.
 - b. Applications of Nanoparticles as Applications of Nanomaterials in Medicine, Agriculture, Electronics and Catalysis.
- v. In Unit V, Polymer, it was suggested to remove 'Free Radical Mechanism of Addition Polymerisation' and 'Real Time Application of Polymers'. 'Metal Matrix Composites' and 'Conduction Polymers' were incorporated to realize the importance of chemistry in polymer.

22MCT03-Environmental Science and Engineering (Mandatory Course)

- i. It was suggested to merge, Unit I & Unit-III with the removal of following topics:
 - a. Forest and Ocean ecosystem.
 - b. Food resourcesIn the topic Forest Resources, Deforestation is modified as Uses and Over Exploitation of Forest.
- ii. In Unit II, it was suggested to remove Waste Water Treatment and include the topics 'Soil Pollution, Environment Impact Assessment and ISO Standard 14000.
- iii. It was proposed to include E-waste and its Management and Green Chemistry as separate units III and V.

- iv. It was suggested that Unit IV & V were merged and topics like Function of State and Central Pollution Control Board (Air and water), and Climate Change might be removed.

It was recommended to include the topic Sustainable Development.

It was advised to modify the topic Landslide instead of Tsunami in Disaster Management.

Resolutions:

The points specified above have been incorporated in the syllabi and approved by the Board.

22PHL11-Physics and Chemistry Laboratory-I

It was suggested to modify Determination of total, Temporary and Permanent hardness as Calcium and Magnesium hardness.

It was recommended to remove Conductometric Titration of Strong Acid vs Strong Base and include Determination of Rate of Corrosion in Mild Steel by Weight Loss Method.

Resolutions:

The points specified above have been incorporated in the syllabi and approved by the Board.

22PHL21-Physics and Chemistry laboratory-II

It was suggested to remove Estimation of Copper Ion in wastewater sample by EDTA method and include conductometric titration of BaCl_2 vs Na_2SO_4 .

Resolutions:

The points specified above have been incorporated in the syllabi and approved by the Board.

04 – Any other matters

Common points suggested by the members as Concluding Remarks

1. NEP implementation shall be ensured as per the AICTE norms.
2. Uniformity shall be maintained in the number of Lecture periods kept as 4 instead of 3 and Practical periods can be kept as 3 instead of 2.
3. Suggestions for academic assessment are as follows:
The existing teaching methodologies like conducting quiz, paper presentation for the students, seminar by the students, assignments (content beyond the syllabus), orations are good as observed by the BOS member and suggested to continue the above methodologies for the forthcoming batches.
4. Mark allocations for internal assessments and end semester examinations R2022 will follow the same procedure as amended in R2018.
5. Question paper pattern
Bloom's taxonomy as previously followed to be continued in future.

The Chairman of Board of Studies agreed and assured to incorporate the changes wherever possible.

Finally, the chairman of Board of Studies thanked all the members for their valuable suggestions and coordination.


M. ESWARAMURTHI

Chairperson - BoS
Dept. of Maths- VIT


M. ESWARAMURTHI


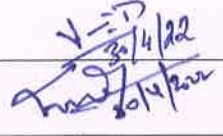
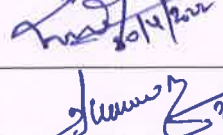
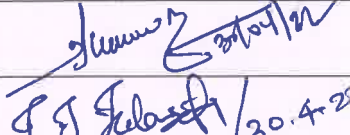
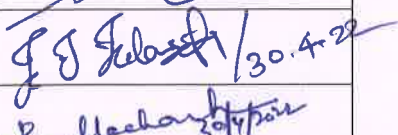
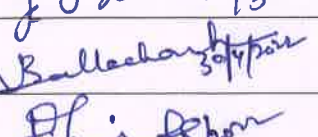
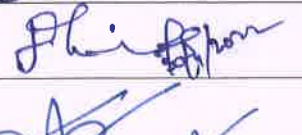
Professor and Head
Department of Science and Humanities
Vellore College of Engineering and Technology
Thiruvananthapuram



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Board of Studies Meeting
Attendance

Name of the Department : Management Studies (MBA)
Meeting No : 07
Date & Time : 30.04.2022 & 10.00 a.m.
Venue : MBA Seminar Hall & through Online with External Members

Sl.No.	Name	Category	Signature
1.	Dr.T.Vetrivel	Chairman	
2.	Dr. R.Deepa	University Nominee	Online Mode
3.	Dr.P.Vidhya Priya	Academic Council Nominee	Online Mode
4.	Dr.R.Subramaniya Bharathy		Online Mode
5.	Mr.N.Sampathkumar	Industry / Corporate Sector	Online Mode
6.	Mr.P.Vijayakumar		Online Mode
7.	Mr.K.S.Sabhpathi	Alumnus	Online Mode
8.	Dr.D.Muthukrishnaveni	Internal Faculty Members	
9.	Dr.T.Mohanapriya		
10.	Dr. S. Kumar		
11.	Dr. K.T. Kalaiselvi		
12.	Mr.N.Balachandran		
13.	Ms. S. Dhivya		


 Chairman - BoS (MBA)

Chairperson - BoS
MBA - VCET



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

Department of Management Studies (MBA)

Members of Board of Studies

Date: 30.04.2022

Sl.No.	Name, Designation & Address	Category
1.	Dr.T.Vetrivel, Professor & Head, Dept. of Management Studies, Email: vetreemba@gmail.com Mobile No: 98436 58303	Chairman
2.	Dr. R.Deepa, Associate Professor - Management Studies, PSG Institute of Management, PB No.1668, Peelamedu, Coimbatore - 641 004 Email: deepa@psgim.ac.in Mobile No: 9843691919	University Nominee
3.	Dr.P.Vidhya Priya, Professor & Head, Department of Management Studies, Kongu Engineering College, Perundurai, Erode - 638060 Email: vidyapriya@kongu.ac.in Mobile No: 9787742193	Academic Council Nominee
4.	Dr.R.Subramaniya Bharathy, Associate Professor, Department of Management Studies, Periyar University, Salem - 636011 Email: bharathyprims@gmail.com Mobile No: 9865265208	
5.	Mr.N.Sampathkumar, DGM – Training and Development, Roots Industries India Limited, RKG Industrial Estate, Ganapathy, Coimbatore - 641006 Email: sampath@roots.co.in Mobile No: 9994343303	Industry / Corporate Sector
6.	Mr.P.Vijayakumar, Chief Executive Officer, Texvalley Market Limited, Near Chithode, Erode - 638102 Email: ceo@texvalley.info Mobile No: 9566088356	
7.	Mr.K.S.Sabhpathi, Lead Manager - PMO, Wipro Technologies, Chennai Email: raghusabha@gmail.com Mobile No: 9952362202	Alumnus
8.	Dr. D. Muthukrishnaveni, Professor - Management Studies	Internal Members
9.	Dr.T.Mohanapriya, Assoc. Professor - Management Studies	
10.	Dr. S. Kumar, Assoc. Professor - Management Studies	
11.	Dr. K.T. Kalaiselvi, Assoc. Professor - Management Studies	
12.	Mr. N. Balachandran, Asst. Professor - Management Studies	
13.	Ms. S. Dhivya, Asst. Professor - Management Studies	


Chairman - BOS

**Chairperson - BoS
MBA - VCET**



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University)

Department of Management Studies (MBA)

Minutes of Board of Studies Meeting

Name of the Department : Management Studies Board: MBA
Programme (s) : MBA
Date, Time & Venue : 30.04.2022, 10.00 a.m. & MBA Seminar Hall, VCET & through
Online with External Members
Meeting Number : 07

Agenda of Meeting

1. Review of Curriculum and Regulation under R2022
2. Review of Syllabus under R2022
3. Framing of Syllabus under R2022 for Semester- 1 & Semester- 2
4. Any other matters

The members who were present in the Board of Studies Meeting is given in Annexure – 01

The Chairman of the Board of Studies welcomed all the members to the meeting for review of the Curriculum and Syllabus for 1st and 2nd Semesters under the Regulation 2022. The items listed in the agenda were taken for discussion one by one. The minutes of the meeting are as follows:

01 - Review of Curriculum & Syllabus under R2022

Discussion:

1. The Board Members recommended the professional core course title of “Accounting for Managers” may be renamed as “Accounting for Decision Making” and another professional core course with the title of “Research methods in Business” may be renamed as “Business Research Methods”.
2. Board of Studies discussed the total of 102 Credits for the MBA programme as per the guideline of AICTE.

Resolution:

1. The above said course title of “Accounting for Managers” has been renamed as “Accounting for Decision Making” and another professional core course “Research methods in Business” was renamed as “Business Research Methods”.
2. The Board of Studies approved the total credits of 102 for MBA Programme.

02 - Ratification of Syllabus for 1st and 2nd Semesters under R2022

Discussion:

1. In the 2nd Semester Course 22MST22 – Financial Management, the content in unit-5, Private Equity content is to be added and Infrastructure Project Financing, Global Depository Receipt (GDR) and American Depository Receipt (ADR) contents are to be removed.
2. Syllabus modifications with title and contents for the courses 22MST23 – Marketing Management and 22MST25 – Management Information System have to be done in units 2 & 3.
3. The Board of Studies recommended inclusion of topics on the 1st Semester course contents in 22MST15 – Organizational Behaviour, 22MST24 – Human Resource Management, 22MST14 – Business Ethics and Corporate Social Responsibility and in 22MST17 – Business Law.

Resolution:

1. In view of current changes in the 2nd Semester Course 22MST22 – Financial Management, the content in unit-5, Private Equity topic has been added and Infrastructure Project Financing, Global Depository Receipt (GDR) and American Depository Receipt (ADR) contents were removed.
2. Syllabus modifications and updates with title and contents for the courses 22MST23 – Marketing Management and 22MST25 – Management Information System have been done in units 2 & 3.
3. Inclusions of the contents have been done for the courses 22MST15 – Organizational Behaviour, 22MST24 – Human Resource Management, 22MST14 – Business Ethics and Corporate Social Responsibility and 22MST17 – Business Law.

The Chairman, Board of Studies thanked all the members for their valuable suggestions.


Chairman - BoS
Chairperson - BoS
MBA - VCET