

St. Xavier's Catholic College of Engineering, Chunkankadai -629003

(An Autonomous Institution - Affiliated to Anna University, Chennai)

www.sxcce.edu.in

Department of Humanities and Sciences

First Board of Studies Meeting

Mode : Hybrid

Date : 16th November 2022

Time : 10.00 a.m. - 01.45 p.m.

Venue : Board Room

Agenda:

- Prayer
- Welcome Address
- Introductory speech
- Presentation of the Draft Curriculum and Draft Syllabus
 - HOD- Chemistry
 - HOD-Physics
 - HOD- Mathematics
 - HOD- English

Members Present:

- ❖ Dr.J.Maheswaran, Principal, SXCCE

University nominee for BoS

- ❖ Dr.T.V.Siva Subramania Pillai, Professor and Head, Department of Physics, University College of Engineering, Nagercoil.

Expert Members in the Subject from outside the college

- ❖ Dr.M.Prema Latha, Professor & Head, Department of Energy and Environment, NIT, Tiruchirapalli.
- ❖ Dr.S.Monikandan, Professor and Head, Department of Mathematics, MSU, Tirunelveli.

- Dr.R.P.Anto Kumar, Dean, Academics
- Dr.D.Judson, Coordinator, Dept of H&S
- Faculty Members

Minutes of the meeting:

The First BoS meeting of the Department of H&Sc, with the University nominee and Academic experts was conducted on 16/11/2022 at 10.30 am in the board room. Faculty of H&Sc and all the Department representatives attended the meeting. Dr.D.Judson, Coordinator, Department of H&Sc welcomed the gathering. Our Principal Dr.J.Maheshwaran gave the introductory speech and the detailed scenario of curriculum. Dr.D.Judson, Coordinator, Department of H&Sc presented the Curriculum and Syllabi of UG. Dr.V.Sreeja, Head, Chemistry presented the Curriculum and Syllabi of Engineering Chemistry. Dr. L.Mary Florida, Head, Mathematics presented the Curriculum and Syllabi of Engineering Mathematics. Dr.J.Mary Vanaja, Head, English detailed the Curriculum and Syllabi of Professional English.

Discussions made:

Chemistry:

- The Academic experts suggested to add the combustion of fuel in the syllabus.
- It is advised to give Energy storage device as a separate unit.
- Advised to add Solar Desalination and Catalytic chemistry in the syllabus.
- Nano materials can be added as an energy storage.
- It is suggested to add more content in the syllabus.
- Insulation materials can also be included in engineering materials.
- It was suggested to give all the experiments mentioned, provided if all the facilities are there to conduct those experiments

Environment and sustainability:

- Treatment techniques can be mentioned.
- Standards of air, water and soil can be included in third unit.
- Recommended to add Waste water treatment in the syllabus.
- Add some real time measurements by adding industrial experiments.

General observation on chemistry:

On the whole the content can be elaborated

It is advised to add more content with subtitles by adding 1 more credit to the subject.

Physics:

- The Content is not much sufficient and asked to add more contents on Thermo Physics.
- Detailed description should be given for Thermo conductivity and Thermo Dynamics.
- Add three credits for both physics and chemistry
- Add laser practical in the second semester.
- Transfer Torsional Pendulum to first semester.
- Advised to conduct practicals related to the Syllabus.
- It is advised to add Reference for each section.
- Advised to rearrange the 4th unit Thermal comfort.

General observation on Physics:

It is advised to add more content by adding one more credit.

Mathematics:

- Advised to Change the sub title Cayley Hamilton Theorem of first unit into Problem Solving using Cayley Hamilton method in semester I.
- In Unit III the title could be changed as "Numerical solutions of equations" and also Pivoting and Eigen values using power method can be removed.
- Suggested to add 3/8 rule in IV unit in semester II.

General Observation:

- Better to mention the concerned textbook for the particular Unit as it will be useful for the question setter and students.
- Add Indian authors in textbook and foreign authors in Reference.
- All the COs were discussed and accepted by the experts including UG and PG.

PG

MBA

Titles to be changed

- Statistics for Management Studies
- Operations Research for Management Studies

MCA

Titles to be changed

- Mathematical Statistics for Computer Applications

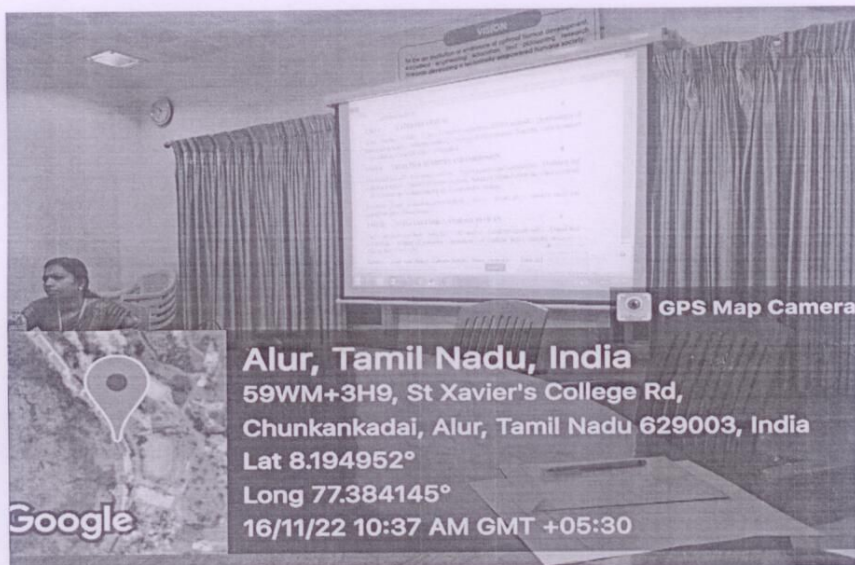
ME

The academic experts suggested that, based on the concerned Specialization the following titles could be changed

- Statistical methods for Construction Engineers
- Advanced Mathematical methods for Structural Engineers
- Applied Probability and Statistics for Computer Engineers
- Advanced Mathematics for Applied Electronics Engineers
- Applied Mathematics for Medical Engineers.
- Applied Mathematics for Communication Engineers
- Applied Mathematics for Power Electronics Engineers

General Observations:

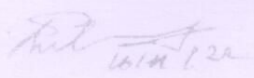
- In ME Communication Engineering, Fourier Transform with Advanced Applications may be added.
- In ME Power Electronics, Fourier Transform and Laplace Transform with Advanced Applications may be added.
- It is suggested to convert the syllabus into detailed manner for all the PG Classes (ME, MBA & MCA).
- The syllabus for three units should be specified common to the Department level and two units must be in the concerned discipline.

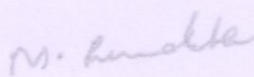


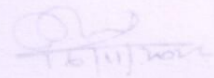
English

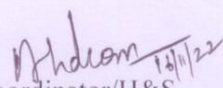
- First Semester communicative English 3 credits and practical are more.
- It is mentioned to allot 45 periods for English.
- Recommended to conduct more GD's and case studies.
- In the II Semester English it is advised to add Letter writing ,Calling quotation and Tender.

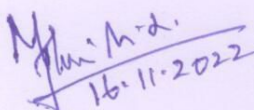
The Principal concluded the meeting by thanking the experts for their suggestions and comments which they have put forth for revising the syllabus. The meeting came to an end by 1.45pm.

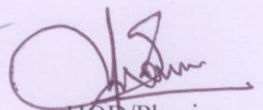

Dr.T.V.Siva Subramania Pillai
(University Nominee)

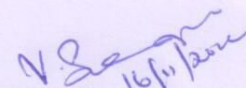

Dr.M.Prema Latha
(Subject Expert)

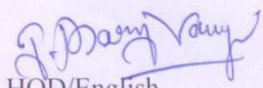

Dr.S.Monikandan
(Subject Expert)

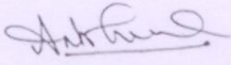

Coordinator/H&S
Dr.D.Judson

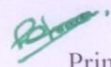

HOD/Mathematics
Dr.L.Mary Florida


HOD/Physics
Dr.S.M.R.Joseph Ramesh


HOD/Chemistry
Dr.V.Sreeja


HOD/English
Dr.J.Mary Vanaja


Academic Dean
Dr.R.P.Anto Kumar


Principal
Dr.J.Maheswaran

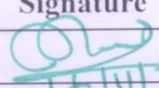
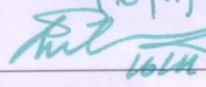
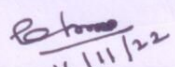
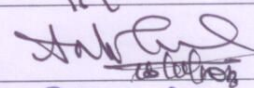
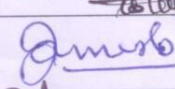
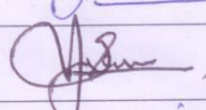
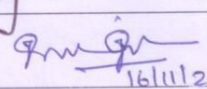
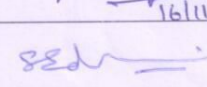
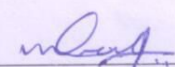
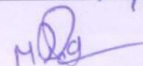
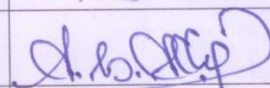
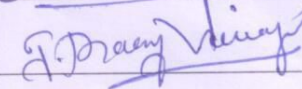
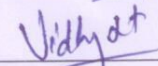
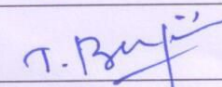
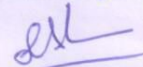
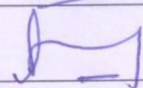
9622-St. Xavier's Catholic College of Engineering

Academic Year : 2022-23

BOS Meeting:1

HUMANITIES AND SCIENCES

Date:16-11-2022
Venue:Board Room

S.No.	Name	Designation	Signature
1.	Dr.S.Manikandan	Professor and Head	
2.	Dr.T.V.Sivasubramania Pillai	Professor of Physin	
3.	Dr. M. Premalatha	Professor / Energy & Env.	Online
4.	Dr. J. MAHESWARAN	PRINCIPAL	
5.	Dr. R. P. ANTO Kumar	Dean - Academics	
6.	Dr. James Ligorias	Trainer - Comm. skills	
7.	Dr. S. M. R. Joseph Ramesh	H.O.D - Physics	
8.	J. BRIGHT JOSE	AP/CSE	
9.	Dr. S. Edwin Gladson	Asso. Prof / Physics	
10.	Dr. M. Gerald Arulselvam	AP / mech	
11.	M. INIGO VALAN	AP / Civil Engineering	
12.	Dr. A. M. Alice Margaret	AP / Chemistry	
13.	Dr. J. Mary VANAGA	A/P, ENGLISH	
14.	Dr. J P VIDHYA	A/P, ENGLISH	
15.	A. ANITHA	AP / ECE	
16.	T. Benja Magizha	AP / Mathematics	
17.	S. Ashe Alice	AP / Mathematics	
18.	S. A. Anuja	AP / chemistry	

S.No.	Name	Designation	Signature
19.	Dr. L. MARY FLORIDA	Associate Professor/ Head Dept of Mathematics	M. Florida
20.	Dr. D. JUDSON	prof / ECE & Co-ordinator HSC	D. Judson
21.	Dr. V. Sreeja	AP / chemistry	V. Sreeja
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
31.			