

ST.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)
Chunkankadai, Nagercoil - 629003
Faculty of Computer Science & Engineering and Information Technology
(CSE, IT, AI & MCA)

III Board of Studies Meeting

Venue: Board Room

Date: 21/12/2023

Time: 10:30am to 1.30pm

Agenda and Notes

- Prayer
- Welcome Address

03.01. Confirmation of Second BoS meeting minutes held on 19/05/2023 and Decision/Action Taken report.

03.02. Discussion on the Suggestions / Recommendations offered by the members on the II Academic Council meeting and the II Governing Body meeting.

03.03. Presentation of the proposed syllabus and getting recommendation for approval for the V sem detail draft syllabi for regulation 2022.

03.04 Ratification for students admitted under readmitted and transfer students of Courses are being offered and exempted as per the direction of Anna University and SXCCE regulations.
Ratification for including Naan Mudhalvan courses as per the directions of Anna University & Government of Tamilnadu.

03.05 Presentation of Skill sets to be gained by the students at the completion of the degree Programmes and getting recommendation for the approval from Academic Council

03.06 Presentation of Teaching methodologies, Assessment tools and getting recommendation for the approval from Academic Council

03.07. Other matters if any.

- **Vote of Thanks**

Chairman

- **03.01. Confirmation of Second BoS meeting minutes held on 19-05-23 and Decision/Action Taken report**

Department: Computer Science and Engineering

The minutes of the second BoS meeting and Action Taken report were presented by Dr.P.R. Sheebha Rani, Head of Computer Science and Engineering Department.

Sl.No	Suggestions	Action taken	Remarks
1.	It is recommended to consider the “Value Education” course as purely, internal zero credit mandatory courses.	Changed Value Education as zero credit mandatory course.	Confirmed in the BoS meeting.
2.	The syllabus for Placement & Soft skills has to be refined as per the Industry need.	Refined in the syllabus.	Confirmed in the BoS meeting.
3.	Since the students are undergoing training through Naan Mudhalvan scheme (2 credit courses handled by the Industrial Experts) it is suggested to avoid additional 1 credit courses by the Industrial Experts.	Followed	Confirmed in the BoS meeting.

Department: Information Technology

- The minutes of the Second BoS meeting and Action Taken report were presented by Dr. G.Sahaya Stalin Jose, Head of Information Technology department.

Sl. No.	Suggestions	Action taken	Remarks
1	It is recommended to consider the “Value Education” course as a mandatory internal course without any credit	Value Education courses are set to zero credit in third semester and fifth semester	Confirmed in the Bos meeting
2	The syllabus for Placement & Soft skills has to be refined as per the Industry	The syllabus of Placement and soft skill courses are refined in third, fourth, fifth, sixth and seventh	Confirmed in the Bos meeting

	need.	semesters.	
3	Since the students are undergoing training through Naan Mudhalvan scheme which are handled by Industrial experts, no separate course with Industrial Expert is required to train the students.	<p>The recommendation of the BoS is followed and the following Naan Mudhalvan Courses were offered during the ODD sem of 2023-2024</p> <p>Third semester - Microsoft Essentials</p> <p>Fifth semester – Experiential based practical learning</p> <p>Seventh semester - Full stack python programming with machine learning</p>	Confirmed in the Bos meeting
4	In the DBMS laboratory, it is recommended to include MongoDB/ Casentra in implementation	MongoDB is included in the DBMS lab course in fourth semester.	Confirmed in the Bos meeting
5	It is recommended to rename the course name Object Oriented Software Engineering in the fourth semester to Software Engineering which should have the practical exercises.	<ul style="list-style-type: none"> • Course name is changed as per recommendation • Lab components are included for the same 	Confirmed in the Bos meeting
6	It is recommended to reframe the course outcome for the course Programming in C by considering the difficulty level of first year students.	As per the recommendation of BoS members, CO is changed for the C programming course by considering the difficulty level of students. ie, from Analyse and evaluate level to Apply level.	Confirmed in the Bos meeting
7	The suggested textbooks and reference books in the syllabus have to be the latest edition i.e., do not exceed 3 or to the most 5 years back.	<ul style="list-style-type: none"> • Most of the courses text books and reference books are replaced with latest edition. • But, Some core courses textbooks and reference books do not have their latest edition which have not been replaced 	Confirmed in the Bos meeting

Department: Artificial Intelligence & Data Science

- The minutes of the Second BoS meeting and Action Taken report were presented by Dr.R. Jemila Rose, Head of Artificial Intelligence and Data Science department

Sl.No	Suggestions	Action taken	Remarks
1.	The course Probability and Statistics should be changed to Probability and Advanced statistics.	The course "Probability and Advanced statistics." was included in the fourth semester.	Confirmed in the BoS meeting.

Department: Master of Computer Applications

- The minutes of the Second BoS meeting and Action Taken report were presented by Dr. M. M. Janeela Theresa, Head of Master of Computer Application department.

Sl.No	Suggestions	Action taken	Remarks
1.	Increase the credit of Mini project [MC22305] to 2	Mini project [MC22305] credit is changed from 1 credit to 2 credits	Confirmed in the BoS meeting.
2.	Remove the course "Term Paper Writing and Seminar [MC22304]" from the curriculum.	Term Paper Writing and Seminar [MC22304] course is removed from the curriculum.	Confirmed in the BoS meeting.
3.	Before the completion of III semester, Bridge course students should complete one NPTEL / Swayam course.	The NPTEL course Software Conceptual Design is included in curriculum	Confirmed in the BoS meeting.

03.02. Discussion on the Suggestions / Recommendations offered by the members in the II Academic Council meeting and the II Governing Body meeting.

Department: Computer Science and Engineering

Sl.No	Suggestions / Recommendations of II Academic Council meeting	Decisions / Suggestions during the III Board of Studies Meeting	Recommendation/Remarks of III Board of Studies Meeting
1.	It is suggested to include the course "Probability and Statistical Techniques" in the 4 th semester as a prerequisite of the course " Artificial Intelligence and Machine Learning".	Incorporated in the Curriculum and Syllabi.	Conformed in the BoS
2.	It is suggested to change the course title "No SQL and Mongo DB Database" to some other title without company specific.	The title of the course "No SQL and MongoDB Database" was changed to "No SQL Databases" and incorporated in the Curriculum and Syllabi.	Conformed in the BoS
3.	It is suggested to change the course title "Deep Learning using Tensorflow" to "Deep Learning".	Incorporated in the Curriculum and Syllabi.	Conformed in the BoS
4.	It is suggested to change the course title "Blockchain Design and their Use cases" to "Blockchain Technologies".	Incorporated in the Curriculum and Syllabi.	Conformed in the BoS

Department: Information Technology

Sl.No	Suggestions / Recommendations of II Academic Council meeting	Decisions/Action taken	Recommendation/Remarks of III Board of Studies Meeting
1	It is suggested to reframe the list of courses in the verticals.	As per the suggestion of Academic Council, the list of courses in the verticals are reframed	Conformed in the BoS
2	It is suggested to change the course title "Introduction to Block chain Technologies" to "Block chain Technologies"	Course title name is changed as per recommendation (under "Information Assurance and Security" vertical)	Conformed in the BoS
3	It is suggested to change the course title "IT Fundamentals for Cyber Security" to "Cyber Ethics and Legal Issues."	Course title name is changed as per recommendation (under "Information Assurance and Security" vertical)	Conformed in the BoS

Department: Artificial Intelligence & Data Science

SLN o	Suggestions / Recommendations of II Academic Council meeting	Decisions/Action taken	Recommendation/Remarks of III Board of Studies Meeting
1.	It is suggested to change the course title "Algorithm for Artificial Intelligence" to "AI Methodologies".	Incorporated in the Curriculum and Syllabi	Conformed in the BoS
2.	It is suggested to change the course title "Google Data Analytics" to "Business Data Anylytics".	Incorporated in the Curriculum and Syllabi	Conformed in the BoS

Department: Master of Computer Applications

Sl.No	Suggestions / Recommendations of II Academic Council meeting	Decisions/Action taken	Recommendation/Remarks of III Board of Studies Meeting
1.	It is suggested to rename the course “Data Mining with Applications to Health Care” to “Data Mining in Health Care” and reframe the syllabus accordingly	Incorporated in the Curriculum and Syllabi	Conformed in the BoS

03.03. Presentation of the proposed syllabus and getting recommendation for approval for the V sem detail draft syllabi for regulation 2022.

General suggestion

- It is recommended to use appropriate Blooms Taxonomy keywords for the “Analyze” level course outcomes.
- BoS recommended the refined course outcomes of fourth semester courses of UG programmes for the approval of academic council.
- The committee suggested that it is not necessary to find the skill set for every course and to find the skill set acquired by the students on learning the courses.
- The committee recommended to having common list of teaching methodologies for the departments –AI & DS, CSE, IT, and MCA from which the methodologies for each topic can be chosen by the staff handling the courses.
- It is recommended to use latest version Text Books and Reference Books.

Department: Computer Science and Engineering

- It is recommended to interchange the topic “Iterative Improvement and NP-completeness” now in fourth unit to the fifth unit and the topic “Backtracking and Branch-and-Bound” now in fifth unit to the fourth unit of the course “Design and Analysis of Algorithms (CS22401)”.

Department: Information Technology

- It is recommended to all the TCP courses should have their COs at least up to the level Analysis.
- It is suggested to include maximum seven experiments in the theory cum practical courses.
- The courses listed under the various verticals of IT department curriculum were verified and recommended for the approval of academic council.

Department: Artificial Intelligence & Data Science

- It is recommended to change the course “Digital Forensics” in “Creative Media” Vertical for the Seventh semester and add “AI in Drone Technology” course in the same vertical.

With the above suggestions the BoS recommended the syllabus for the V semester and Verticals courses UG Programmes for regulation 2022 for the approval of Academic Council.

Department: Master of Computer Applications

- The course outcomes of the syllabus of the MCA programme are refined based on the suggestions of the Board of Studies members. The outcomes can be refined up to the create level only for specific courses, and for all other courses, the outcomes shall be formed to the maximum of the analysis level.

With the above suggestions the BoS recommended the corrections in the syllabus of MCA Programme regulation 2022 for the approval of Academic Council.

03.04 Ratification for students admitted under readmitted and transfer students, Courses are being offered and exempted as per the direction of Anna University and SXCCE regulations.

Department: Information Technology

Ratification for additional courses included for the student readmitted in third year (regulation changed from R-2017 to R-2021)

Additional courses						Decisions
S.No	COURSE CODE	COURSE TITLE	CREDITS	sem		After comparing Anna University Curriculum R-2017 with R-2021, BoS members recommended to include the additional courses from Anna university R-2021 curriculum for debarred student who were admitted in 2018 and continue their program in the 5th
1	CS3352	Foundations of Data Science	3	V		
2	CS3361	Data Science Laboratory	2	V		
3	CS3452	Theory of Computation	3	VI		

4	CS3491	Artificial Intelligence and Machine Learning	4	VI	semester of 2023.
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Ratification for additional courses included and exempted for the student transfer to second year from R.M.K to SXCCE

Additional Courses					Exempted courses					Decisions
S. No	COURSE CODE	COURSE TITLE	CREDITS	Sem	S. No	COURSE CODE	COURSE TITLE	CREDITS	Sem	
1	CS22101	Problem Solving and Python Programming	3	III						After comparing SXCCE autonomous Curriculum R-2022 with R.M.K Curriculum, BoS members recommended to the additional courses and exempted courses for transfer student who were admitted in 2022 at R.M.K and continue in 2023 at SXCCE for their program in the 3 rd semester.
2	CS22102	Python Programming Laboratory	2	III	1	IT22302	Digital Systems	3	III	
3	HS22102	Universal Human Values: Understanding Harmony and Ethical Human Conduct	2	III	2	CS22301	Object Oriented Programming	3	III	
4	HS22101	Higher Order Thinking	1	III	3	CS22302	Data Structures	3	III	
5	EN22101	Communicative English	3	III	4	CS22305	Object Oriented Programming Laboratory	2	III	
6.	CS22201	Programming in C	3	IV	5	CS22306	Data Structures Laboratory	2	III	
7.	CS22202	C Programming Laboratory	2	IV	6	CS22402	Database Management Systems	3	IV	
					7	CS22403	Database Management Systems Laboratory	2	IV	

Department: Master of Computer Applications

MCA students admitted to the non-computer science background category should undergo and complete one NPTEL course from the following list of electives before the end of the third semester.

Elective List

1. Software Conceptual Design
2. Systems and Usable Security
3. Fundamental Algorithms: Design and Analysis
4. Demystifying Networking
5. C programming and Assembly language

Ratification for including Naan Mudhalvan courses as per the directions of Anna University & Government of Tamilnadu

The HoD's presented the various NaanMudhalvan courses course which are included in the curriculum of U.G. Programme as per the directions of Anna University & Government of Tamilnadu. The detail are summarized as follows

Department: Computer Science and Engineering

Si.No	Semester	Course Name
1	III	NM22301 - Microsoft Office Essential
2	V	SB3001-Project Based Experiential Learning Program
3	VII	SB8053- Cyber Security and Applications
4	III	GE325-Tamil and Technology

Department: Information Technology

Academic Year	S. No	Year	Course Name	Technical Partner
2023 - 2024	1	II	Microsoft Essentials	MICROSOF T
	2	III	Project Based Experiential Learning Program	IBM
	3	IV	Full Stack Python Programming with Machine Learning	GUVI

Department: Artificial Intelligence & Data Science

S. No.	Year	Name of the Course
1	II	Microsoft Essentials

03.05. Presentation of Skill sets to be gained by the students at the completion of the degree programmes and getting recommendation for the approval from Academic Council

- The respective HoD's presented skill sets expected from the graduates after the completion of the programme.
- BoS suggested to preparing the criteria and tools for accessing the skill sets attainment.

03.06 Presentation of Teaching methodologies, Assessment tools and getting recommendation for the approval from Academic Council

- The respective HoD's presented the teaching methodologies and assessment tools in the BoS meeting
- BoS suggested to prepare a pool of teaching methodologies, assessment tools from which the faculty members can choose the appropriate methodology for their teaching learning process

03.07. Other matters if any.

NPTEL Course Completion status

HoD's of various department presented the status of the NPTEL course during odd semester 2023-2024 and the detail are summarized as follows

Department: Computer Science and Engineering

Sl.No	Year	Name of the course	No of students completed
1	II	Cyber Security	33
2	III	Cloud computing	67

Department: Information Technology

NPTEL Courses by Students						
Sl.No	Student name	Course Name	Level	Duration	No. of weeks	Year
1.	L. Renees Jenisha	Cloud Computing	Pass	July-Oct 2023	12	II year
2.	M. Rathnaa Kumari	Cloud Computing	Elite	July-Oct 2023	12	II year
3.	Ramya Sridevi A	Cloud Computing	Elite	July-Oct 2023	12	II year
4.	G. R. Jaya Gopika	Cloud Computing	Elite	July-Oct 2023	12	II year
5.	S. R. Sneha	Cyber security and Privacy	Pass	July-Oct 2023	12	III year

Department: Artificial Intelligence & Data Science

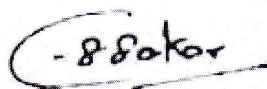
S. No.	Year	Name of the NPTEL Course	No. of Students Completed
1	II	Cloud Computing	9

Department: Master of Computer Applications

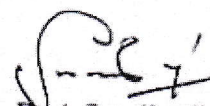
Sl. No.	Course Code	Course Name	Duration	No. of students completed
1	noc23-cs66	Software Conceptual Design	4 weeks	14



Dr.M.Vijayalakshmi
(Anna University Nominee)



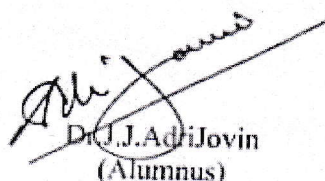
Dr.E.Sivasankar
(Academic Expert)



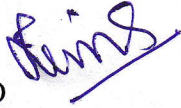
Dr.A.Suruliandi
(Academic Expert)



Dr.J.K.Deepak Keynes
(Industry Expert)



Dr.J.J.AdriJovin
(Alumnus)



H.O.D
AI & DS

Dr.R.Jemila Rose



H.O.D
CSE

~~Dr.~~ P.R.Sheebha Rani



H.O.D
IT

Dr.G.Sahaya Stalin
Jose



H.O.D
MCA

Dr.M.M.Janeela
Theresa


19/01/2024.

ACADEMIC DEAN

Dr.R.P.Anto Kumar



PRINCIPAL

Dr.J.Maheswaran

Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)

Member Secretary (Academic Council) \
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil - 629 003. ✓