

St. Xavier's Catholic College of Engineering

(Autonomous)

Chunkankadai, Nagercoil – 629003.

Second Academic Council Meeting

15.07.2023, 10:00 am

Minutes of the Meeting

The second Academic Council meeting of St. Xavier's Catholic College of Engineering was conducted on 15.07.2023(Saturday) at 10:00 am at Einstein Hall.

Members present: enclosed.

The Chairman of the Academic Council Dr. J. Maheswaran(Principal) welcomed the gathering and delivered the Introductory Talk.

Agenda 02.01: Confirmation of First Academic Council meeting minutes which was held on 09.12.2022 and Decision/Action Taken report.

The Chairman of the Academic Council Dr. J. Maheswaran(Principal) presented the minutes of the first Academic Council meeting and the action taken report.

Suggestions / Recommendations related to Regulation by the members during I Academic Council Meeting	Decisions / Actions taken	Suggestions / Recommendations / Remarks by the members during II Academic Council
It was suggested to get approval from the BoS for the online courses that are going to be offered from NPTEL/SWAYAM platform before offering them to the students.	All the departments identified the NPTEL / SWAYAM courses which are equivalent to the 5th and 6th semester's Professional Elective courses for UG Programmes and 3rd semester PG programmes and got the recommendation of BoS. The BoS suggested to consider IIT Spoken tutorial courses with assessment and grade sheet with credits also.	Approved
It was recommended to ensure all the students should take Model Examination for the Laboratory Courses to have the exposure to 3 hours end semester practical examination.	Being Practiced.	Approved

It was suggested to make the Value Added Courses as optional Courses.	Incorporated in the Regulations.	Approved
It was suggested to have One Credit Courses to be handled by Industry Experts.	Two credits Naan Mudhalvan courses on cutting-edge technologies are offered to the students by industrial experts in each semester, which is one of the initiatives of the Tamil Nadu Government. In addition to this, seminars by Industrial experts can be arranged as per the requirement.	Approved
It was suggested to incorporate ABC suggested in NEP in the next Regulations.	Decided to incorporate in the next Regulations.	Approved
It was suggested to specify the evaluation procedure for the Internship and the checking mechanism of the genuinity of the Industry where the students are accommodated for the Internship.	Evaluation procedure is already available in the Regulations. The Placement and Training cell will check the genuinity of the Industry before permitting the students for the Internship and the Department will continuously monitor the progress.	Approved
It is recommended to have Journal Publication as optional instead of having it Mandatory for the Programmes.	Changes were made in the Regulation. All the BoS recommended to make Journal / Conference publications as Desirable and to encourage the students to publish their Project results/findings in reputed journal as an article and those students who are doing that can be honoured by providing higher grades in the particular course. It should not be made mandatory since it takes long time for publication. For PG programme 1. journal publication Or 2 reputed conference publication is recommended. For UG programme 1 Conference publication is recommended.	Approved
It was recommended to increase the duration of a period from 45 minutes to 50 minutes for OBE based teaching.	To incorporate 2 credit laboratory courses, it is necessary to have 8 periods per day. So having 45 minutes periods are convenient to provide necessary tea	Approved

	breaks(15min) and lunch break(45 min).	
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Suggestions / Recommendations related to Curriculum and Syllabi by the members during I Academic Council Meeting	Decisions / Actions taken	Suggestions / Recommendations / Remarks by the members during II Academic Council
It was suggested to use Bloom's Taxonomy Keywords while formulating the Course Outcomes.	Incorporated in the syllabi.	Approved
It was recommended to include the latest versions of the text books.	Incorporated in the syllabi.	Approved
The total credit for the PG programmes may be increased.	The BOS recommended not to change the total credit required to complete the programme, since the PG students have to give more concentration on research activities and self learning and also it is on par with AICTE / Anna University recommendations.	Approved
It was suggested to avoid 1.5 credits Laboratory Courses.	For the detailed Hands on Experience it is suggested to have 2 credit Laboratory Courses.	Approved
It was suggested not to offer NPTEL/SWAYAM online courses for P.G. Programmes.	Anna university is offering this facility. On considering the student's benefits it is recommended to offer NPTEL/SWAYAM online courses to P.G. students also.	Approved
It is suggested to rename the course "Research Tools in Engineering to "Research Tool Laboratory" for the P.G. Programmes.	Modified in the Curriculum and Syllabi.	Approved
It is suggested to change the label "Verticals" for the elective courses track to some other appropriate label.	"Verticals" is the generic term used by Anna University. To avoid confusions the same terminology is recommended. It is recommended to have a unique name for each	Approved

	vertical and each should be clearly differentiated from the other verticals.	
It was suggested to have two text books and five reference books for UG courses and five reference books for PG courses.	Incorporated in the syllabi.	Approved
It was suggested to change the course title of Placement training courses.	It was decided to rename the "Placement training course" to "Skill Development Courses" and incorporate both in the curriculum and in the syllabi.	Approved
It was observed that the number of courses in the 3rd semester of the U.G. Programmes is high.	The course "Value Education" is made as a Non-credit mandatory course. Also, the number of courses per semester is restricted to a maximum of 10 as per the Anna University Curriculum.	Approved
It was suggested to change the title of the course "Higher Order Thinking".	The syllabus of this course includes the concepts of both Critical Thinking and Creative thinking. So "Higher Order Thinking" is the right title for this course.	Approved
Faculty of Civil Engineering Open Elective Course title of "Selection of Materials" can be changed as "Selection of Construction Materials"	Since the course "Selection of Materials" contains multidisciplinary contents, it can not be renamed to "Selection of Construction Materials" and the necessary changes in the syllabus will be done in the next BoS meeting.	Approved
Faculty of Mechanical Engineering It is suggested to modify the course title "Simulation and Analysis Lab" to "Simulation and Analysis Lab for Energy Systems".	"Simulation and Analysis Lab" has been renamed as "Simulation and Analysis Laboratory for Energy Systems".	Approved
Faculty of Electrical Engineering It is suggested to give specific name for Course Titles instead of generic names.	Modified in the Curriculum and Syllabi.	Approved
Faculty of Computer Science	The course "Data Science" was	Approved

and Engineering and Information Technology – (CSE & IT) It is suggested to move the course “Data Science” from 3rd sem to 5th or 6th.	moved from 3rd semester to 6th semester in the curriculum of B.E. CSE and B.Tech IT.	
Faculty of Computer Science and Engineering and Information Technology – (CSE) It is suggested to merge the vertical “Programming” with other verticals and have 4 verticals as total.	Based on the discussion it is decided to have 5 verticals as existing and vertical 4 “Programming” is renamed as “Web Technology”.	Approved
Faculty of Computer Science and Engineering and Information Technology – (IT) It is suggested to avoid Lab Courses without corresponding Theory courses.	The Laboratory Course without corresponding Theory Course (Mobile Application Development Lab) have been changed to Laboratory course with Theory component and the necessary changes were made in the syllabus.	Approved
Faculty of Computer Science and Engineering and Information Technology – (IT) It is suggested to redefine the course listed in the Vertical “IT Essential”.	The courses which were arranged under vertical “IT Essential” were now grouped under two different verticals such as “Cognitive Technologies” and “Internet Technologies”.	Approved
Faculty of Computer Science and Engineering and Information Technology – (AI & DS) It is suggested to change the title of the course “Probability and Statistics” to “Probability and Advanced Statistics” in the Fourth semester of the programme.	After discussion, the BoS recommended to change the title of the course “Probability and Statistics” as “Probability and Statistical Techniques” and incorporated in the Curriculum and Syllabi.	Approved
Faculty of Computer Science and Engineering and Information Technology – (MCA) It is suggested to change the course “Crypto Currency and Block Chain Technology” to “Block Chain for Business” in semester III elective II.	The course “Crypto Currency and Blockchain Technology” was changed to “Blockchain for Business” in Semester III, Professional Elective II.	Approved
Faculty of Science and	Implemented	Approved

Humanities It is recommended to include one more expert from Chemistry field into the BoS.		
Faculty of Management Studies It is suggested to include the course "Supply Chain" as one of the Core Courses.	Discussed and decided to include it in the curriculum of the next regulation.	Approved
Faculty of Management Studies It is suggested to offer elective courses based on specialization from first semester onwards instead of offering from the third semester.	Since specializations can be decided by the students after understanding the various functional areas of management, first two semesters carry papers of various functional areas like Marketing, Finance, HR, Production and Systems. This gives students more clarity in choosing their specialization and project work of 4 months in any one of the above said specializations.	Approved

Suggestions / Recommendations related to Examination procedures by the members during I Academic Council Meeting	Decisions / Actions taken	Suggestions / Recommendations / Remarks by the members during II Academic Council
It is suggested to send CO-PO mapping to question paper setters.	Implemented and being practiced.	Confirmed.
It is suggested to have question paper audit.	Implemented and being practiced.	Confirmed.
It is suggested to get feedback from the answer script evaluators on the question papers.	Implemented and being practiced.	Confirmed.

Agenda 02.02: Discussion on the Suggestions / Recommendations offered by the members of the first Governing Body meeting which was held on 18.02.2023 .

The Chairman of the Academic Council Dr. J. Maheswaran(Principal) presented the Suggestions / Recommendations offered by the members of the first Governing Body meeting which was held on 18.02.2023 .

Suggestions / Recommendations related to Academics by the members during I Governing Body Meeting	Decisions / Actions taken	Suggestions / Recommendations / Remarks by the members during II Academic Council
Content overlapping in the syllabi should be avoided (PG with UG).	Incorporated in the Curriculum and Syllabi.	Approved
In the reference section, it is preferred to include video links of UG courses as given in the Tamil Nadu DoTE website.	Considered. DOTE Video links & NPTEL Video links can be published in the department web page along with Curriculum and Syllabi.	Approved
It was recommended to make journal publication mandatory to PG students.	All the BoS recommended to make Journal / Conference publications as Desirable and to encourage the students to publish their Project results/findings in reputed journal as an article and those students who are doing that can be honoured by providing higher grades in the particular course. It should not be made mandatory since it takes long time for publication. For PG programme 1 journal publication Or 2 reputed conference publication is recommended. For UG programme 1 Conference publication is recommended.	Accepted

Agenda 02.03: To consider, discuss and approve the amendments in Regulations 2022 forwarded by Dean(Academics) - R 2022 – B.E./B.Tech. , R 2022 – M.E. & M.C.A. and R 2022 – M.B.A.

The Member Secretary Dr. R. P. Anto Kumar (Dean-Academics) presented the various amendments in the Academic Regulations 2022 for U.G. Programmes and P.G. Programmes (R 2022 – B.E./B.Tech. , R 2022 – M.E. & M.C.A. and R 2022 – M.B.A.).

The details are enclosed as Annexure

R 2022 – B.E./B.Tech. [Annexure : 02.01.A]

R 2022 – M.E. & M.C.A.[Annexure : 02.01.B]

R 2022 – M.B.A.[Annexure: 02.01.C]

After discussion the Academic Council Approved the amendments proposed in the Academic Regulations 2022 for U.G. Programmes and P.G. Programmes (R 2022 – B.E./B.Tech., R 2022 – M.E. & M.C.A. and R 2022 – M.B.A.).

Agenda 02.04: To consider the minutes of the 2nd B.O.S. meetings forwarded by the Chairmen of

- a) Faculty of Civil Engineering[Annexure : 02.02.A]
- b) Faculty of Mechanical Engineering[Annexure : 02.02.B]
- c) Faculty of Electronics and Communication Engineering[Annexure : 02.02.C]
- d) Faculty of Electrical Engineering[Annexure : 02.02.D]
- e) Faculty of Computer Science and Engineering and Information Technology[Annexure : 02.02.E]
- f) Faculty of Science and Humanities[Annexure : 02.02.F]
- g) Faculty of Management Studies[Annexure : 02.02.G]

After discussion the Academic Council Approved the minutes of the 2nd B.O.S. meetings forwarded by the Chairmen of various faculty.

Agenda 02.05: To consider and approve the Curriculum(I to VIII semester) & detailed Syllabi of III & IV semester for UG and Curriculum(I to IV Semester) & detailed Syllabi of III & IV semester PG recommended by B.O.S. and forwarded by Chairmen of

- a) Faculty of Civil Engineering[Annexure : 02.03.A]
- b) Faculty of Mechanical Engineering[Annexure : 02.03.B]
- c) Faculty of Electronics and Communication Engineering[Annexure : 02.03.C]
- d) Faculty of Electrical Engineering[Annexure : 02.03.D]
- e) Faculty of Computer Science and Engineering and Information Technology[Annexure : 02.03.E]
- f) Faculty of Science and Humanities[Annexure : 02.03.F]
- g) Faculty of Management Studies[Annexure : 02.03.G]

Suggestions / Recommendations related to departments by the members during II Academic Council Meeting	Decisions / Actions taken
Computer Science and Engineering It is suggested to include the course “Probability and Statistical Techniques” in the 4th semester as a prerequisite of the course “Artificial Intelligence and Machine Learning”.	Incorporated in the Curriculum and Syllabi
Computer Science and Engineering 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 Mongo DB Database” was changed to “ No SQL Databases” and incorporated in the Curriculum and Syllabi

Computer Science and Engineering It is suggested to change the course title “Role of Cryptography in Network Security” to “Cryptography and Network Security”	Incorporated in the Curriculum and Syllabi
Computer Science and Engineering It is suggested to change the course title “Deep Learning using Tensorflow” to “Deep Learning”	Incorporated in the Curriculum and Syllabi
Computer Science and Engineering It is suggested to change the course title “Blockchain Design and their Usecases” to “Blockchain Technologies”	Incorporated in the Curriculum and Syllabi
Information Technology It is suggested to reframe the list of courses in the verticals.	Incorporated in the Curriculum and Syllabi
Information Technology It is suggested to change the course title “Introduction to Blockchain Technologies” to “Blockchain Technologies”	Incorporated in the Curriculum and Syllabi
Information Technology It is suggested to change the course title “IT Fundamentals for Cyber Security” to “Cyber Ethics and Leagel Issues”	Incorporated in the Curriculum and Syllabi
Artificial Intelligence and Data Science It is suggested to change the course title “Algorithm for Artificial Intelligence” to “AI Methodologies”	Incorporated in the Curriculum and Syllabi
Artificial Intelligence and Data Science It is suggested to change the course title “Google Data Analytics” to some “ Business Data Analytics”	Incorporated in the Curriculum and Syllabi
Master of Computer Applications 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

After discussion and with above noted suggestions the Academic Council Approved the Curriculum(I to VIII semester) & detailed Syllabi of III & IV semester for UG and Curriculum(I to IV Semester) & detailed Syllabi of III & IV semester PG recommended by B.O.S. and forwarded by Chairmen of various faculty.

Agenda 02.06: Ratification for including Naan Mudhalvan courses and Tamil courses in the curriculum of UG Programmes as per the directions of Anna University & Government of Tamilnadu.

The Member Secretary Dr. R. P. Anto Kumar (Dean-Academics) presented the various Naan Mudhalvan courses and Tamil courses which are included in the curriculum of various U.G. Programmes as per the directions of Anna University & Government of Tamilnadu.

Naan Mudhalvan courses

B.E. Electrical and Electronics Engineering	
Class	Course Name
First Semester	Overview of English Language Communication Assessment & Certification from Cambridge.
Third Semester	Microsoft Office Fundamentals
Fourth Semester	Robotic Process Automation Development Block Chain Development Digital Marketing
Fifth Semester	Smart Energy Grid Electric Vehicle charging system IOT AR VR Development
Sixth Semester	Electric Vehicle Charging System Design Embedded System Design - Board Development and Debug
Seventh Semester	Industry 4.0 Electric Vehicle charging system Smart Energy Grid Machine Learning

B.E. Computer Science and Engineering	
Class	Course Name
First Semester	Overview of English Language Communication Assessment & Certification from Cambridge.
Third Semester	Microsoft Office Fundamentals
Fourth Semester	Industrial Metaverse using mixed reality (XR)
Fifth Semester	Big Data Cloud Essentials Full Stack

Sixth Semester	Network Engineering Professional Readiness for Innovation, Employment & Entrepreneurship
Seventh Semester	Professional Readiness for Innovation, Employment & Entrepreneurship

B.Tech. Information Technology	
Class	Course Name
First Semester	Overview of English Language Communication Assessment & Certification from Cambridge.
Third Semester	Microsoft Office Fundamentals
Fourth Semester	Industrial Metaverse using mixed reality (XR)
Fifth Semester	Big Data Cloud Essentials Full Stack
Sixth Semester	Network Engineering Professional Readiness for Innovation, Employment & Entrepreneurship
Seventh Semester	Professional Readiness for Innovation, Employment & Entrepreneurship

B.E. Electronics and Communication Engineering	
Class	Course Name
First Semester	Overview of English Language Communication Assessment & Certification from Cambridge.
Third Semester	Microsoft Office Fundamentals
Fourth Semester	Robotic Process Automation Development Block Chain Development Digital Marketing Network Essentials
Fifth Semester	Big Data Cloud Essentials Cyber Security IOT AR VR Development
Sixth Semester	Network Engineering Professional Readiness for Innovation, Employment & Entrepreneurship
Seventh Semester	Professional Readiness for Innovation, Employment & Entrepreneurship

B.E. Mechanical Engineering	
Class	Course Name
First Semester	Overview of English Language Communication Assessment & Certification from Cambridge.

Third Semester	Microsoft Office Fundamentals
Fourth Semester	Robotic Process Automation Development Block Chain Development Digital Marketing Product Design Engineering and Modelling
Fifth Semester	Robotics Simulation for Manufacturing Electric Vehicle IOT
Sixth Semester	Smart & Advanced Manufacturing - Design & Simulation EV design for mechanical engineers
Seventh Semester	Industry 4.0 Robotics Simulation for Manufacturing Electric Vehicle Machine Learning

B.E. Civil Engineering	
Class	Course Name
First Semester	Overview of English Language Communication Assessment & Certification from Cambridge.
Third Semester	Microsoft Office Fundamentals
Fourth Semester	Robotic Process Automation Development Block Chain Development Digital Marketing
Fifth Semester	Building Information Modelling in Architecture, Engineering and Construction
Sixth Semester	Sustainable Building Design
Seventh Semester	Design and construction of Steel Buildings High Rise Buildings

B.Tech. Artificial Intelligence and Data Science	
Class	Course Name
First Semester	Overview of English Language Communication Assessment & Certification from Cambridge.

Tamil Courses Details

Sl No	Course	Batch 2022-2023	Batch 2023-2024	Credit
		Semester	Semester	
1	Heritage of Tamils	II	I	1
2	Tamils and Technology	III	II	1

After discussion the Academic Council ratified the inclusion of Naan Mudhalvan courses and Tamil courses in the curriculum of UG Programmes as per the directions of Anna University & Government of Tamilnadu.

Agenda 02.07: Other matters if any.

a. The Member Secretary proposed the implementation of NPTEL/SWAYAM courses in lieu of bridge courses for the M.C.A. Programme.

★ For the two-year M.C.A. students admitted under the non-computer science category, five bridge courses are being offered to students studying under regulation 2022.

★ They need to complete all of them as prescribed in the two-year M.C.A. curriculum.

★ The students shall be permitted to study two NPTEL/SWAYAM courses in lieu of two bridge courses listed in the curriculum under regulation 2022.

The Academic Council recommended this proposal for implementation.

b. The Member Secretary presented a short report on the conduct of the Academic Audit for the Academic year 2021-2022.

c. The Controller of Examinations presented the procedure followed for the conduct of the end-semester examinations and the Examination Audit report.

The Academic Council noted down the conduct of Academic Audit and Examination Audit.

Finally, the Correspondent thanked all the members of the Academic Council and the meeting ends at 2:30 pm.

While concluding the meeting, the Principal acknowledged the contribution of the expert members through their value suggestions during the discussions throughout the meeting and expressed thanks to everyone who participated.


26/07/2023

Dean (Academics)
Dr. R. P. Anto Kumar

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

Member Secretary (Academic Council)
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26.7.23

Principal
Dr. J. Maheswaran

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