

OFFICE OF DEAN (ACADEMIC AFFAIRS)

Ref.: 139 (C) /Dean (AA)/2024

Date: 24.01.2024

ACADEMIC YEAR 2022-23

Analysis on Feedback from Employers: Action Taken Report

A. The various ways in which feedback from Employers were obtained during the Academic Year 2022-23:

Feedback and suggestions were gathered from employers through their participation in various academic and statutory meetings, including the Board of Studies (BoS), the School Level Advisory Committee (SLAC), and Academic Council meetings during the June-July 2022 and December 2022-April 2023 sessions. Additionally, feedback was collected from the institution's website.

Based on the analysis of feedback, the following points were taken for further course of action in the Academic Year 2022-23:

- ❖ S1: Updating course syllabi to match current knowledge levels
- ❖ S2: Introducing courses in emerging technologies
- ❖ S3: Starting new programs based on market demand
- ❖ S4: Emphasizing application-oriented courses

B. Details of Action Taken

- S1: Major revisions in the curriculum and syllabi of UG & PG programs were carried out based on current industrial demand and employability skills. Agenda items 20.7.1, 20.8.1 and 20.16.1 of the 20th Academic Council emphasize the actions implemented for S1.
- S2 was consider as major agenda in the Department of Computer Application, new technology courses were introduced and approved in the 20th Academic Council vide agenda 20.16.3

- S3: Based on market demand and stakeholder suggestions, the initiation of new programs was discussed in the 20th and Academic Council meetings under agenda items 20.1.3 and 21.1.3.
- S4: The introduction of an application-oriented and laboratory courses were initiated in the B.Tech programmes, and major revisions were made to suit market demands. Agenda item 20.12.2 of 20th academic council and 21.15.1, 21.12.2 of 21st Academic Council serve as action implemented for S4.

Annexure: Highlighted pages of Minutes of 20th and 21st Academic Council meeting.



Dean, Academic Affairs

DEAN (ACADEMIC AFFAIRS)
B.S. Abdur Rahman Crescent Institute of
Science & Technology
Vandalur, Chennai - 600 048. India.

Excerpts of Minutes of 20th Academic Council Meeting



Minutes of

Twentieth Meeting of Academic Council

of

B.S. Abdur Rahman Crescent Institute of Science and Technology

held on

April 13, 2023

Note on Agenda:

The Nineteenth meeting of the Academic Council was held on 29.09.2022 at 10.00 a.m. through blended mode. The minutes of the meeting was communicated to all the members and no comments were received.

The minutes of the meeting is enclosed in [Annexure 20.1.1](#)

The Academic Council may confirm the minutes.

Resolution:

As there were no comments were received from the council members, the minutes of nineteenth meeting of the Academic Council was confirmed.

Item 20.1.2

To consider and approve the Action Taken Report on the minutes of the Nineteenth Meeting of Academic Council.

Note on Agenda:

The action taken report on the minutes of the Nineteenth meeting of the Academic Council is enclosed in [Annexure 20.1.2](#)

The Academic Council may consider and approve the same.

Resolution:

The action taken report on the minutes of the nineteenth meeting of the Academic council was noted and approved by the Academic Council.

Item 20.1.3

To consider and approve the (i) starting of new programme and (ii) increase in intake in “B.Tech. AI&DS” from the academic year 2023-24.

Note on Agenda:

- (i) Considering the advanced technological developments, current market trends, industry demand and societal needs, the Department of Electronics and Communication Engineering is proposed to offer a new programme on “B.Tech. Electronics and Computer Engineering” with an intake of 60 students, from the academic year 2023-24, upon approval from AICTE. The same was deliberated in the 24th meeting of Board of Studies of ECE Department which was held on 08/02/2023 and has recommended for approval in the academic Council.
- (ii) Due to the increase in demand for new technologies in the field of Artificial Intelligence and Data Science, the Department of Computer Science and

Engineering has proposed to increase the student intake in B.Tech (AI&DS) from 120 to 180 from the academic year 2023-24, upon approval from AICTE

The Academic Council may consider and approve the same.

Discussions:

Dr. V. Jagadeesh Kumar, Professor of Electrical Engineering at IIT Madras, Chennai, suggested fixing the terminology of the new programme carefully in tune with the AICTE norms as well as the students should be able to appear in GATE, UPSC, and other competitive examinations smoothly.

Resolution:

After deliberations, the agenda item was approved for the implementation from the Academic year 2023-24.

ITEMS MOVED BY THE DEAN, ACADEMIC AFFAIRS

Item 20.2.1

To consider and ratify the mode of teaching learning process and academic schedule of the Even Semester 2022-23.

Note on Agenda:

The Institute started the academic session of the even semester of Academic Year 2022-23 on 19.1.2023 for final year students, 30.1.2023 for intermediate students and 07.03.2023 for the first year students.

The Institution meticulously prepared the academic schedule, program-wise, for the even semester of AY 2022-23 considering the dynamic nature of academic activities. The academic schedule was subjected to minor revision, on a need basis, by following the guidelines proposed by regulatory/statutory / local authorities concerned and also taking into account the pending academic activities viz. syllabus coverage, conduct of continuous assessments and semester end examinations.

The Crescent Mastersoft ERP is being effectively utilized for handling academic activities (configuration of timetable & courses, attendance marking, feedback and upload of course materials etc.) and exam related activities (mark capturing and result declaration). A total of 1092 courses were configured in the Mastersoft ERP portal of which 872 courses were enrolled in the even semester.

The following are the details of the academic schedule for various programmes in the even semester 2022-23:

The Academic Council may consider and ratify the above list of personality and character development club / activities from the academic year 2022-23.

Resolution:

After deliberations, the agenda item was ratified for implementation from the Academic year 2022 – 23.

SCHOOL OF INFRASTRUCTURE
DEPARTMENT OF CIVIL ENGINEERING

Item 20.7.1

To consider and approve the syllabi (V & VI semester) of B.Tech. Civil Engineering under Regulations 2021.

Note on Agenda:

The major revisions in curriculum of B.Tech. Civil Engineering under R 2021 and syllabi of I & II Semester courses was approved in the 17th meeting of Academic Council and accordingly implemented from the year AY 2021-2022. The syllabi of III & IV semester courses were approved in the 18th meeting of Academic Council and accordingly implemented from the year AY 2022-2023.

In the 18th meeting of Board of Studies of Civil Engineering Department, the syllabi of **V and VI** Semester courses, including relevant professional elective courses, were deliberated. After deliberations, the Board has recommended the same for approval in the Academic Council

The Salient features of the B.Tech. Civil Engineering curriculum (V & VI sem.) under R 2021 with respect to “Introduction of New courses” and “Courses with Syllabus revisions” are as follows:

I. Semester V & VI (AY 2023-2024)

a) New courses proposed:

Course Code	Course Title	Credits
CEDX 17	Waterproofing of Concrete and Masonry Structures	3
CEDX 18	Corrosion Prevention and Control in RC Structures	3
CEDX 20	Intelligent Building Management System	3
CEDX 21	Automation in construction and management	3
CEDX 33	Subsurface Investigation and Report Writing	3
CEDX 56	Water Distribution Systems	3

CEDX 65	Railway Engineering	1
CEDX 66	Airport planning & Engineering	3
CEDX 67	Docks and Harbour Engineering	3
CEDX 75	Islamic Architecture	3

b) Courses with Syllabus revisions:

Course Code	Course Title	Credits	Revision (%)
CED 3101	Structural Analysis II	3	25
CED 3103	Hydraulic and Hydraulic Machinery	4	20
CED 3104	Repair and Rehabilitation of RC Elements	3	25
CED 3105	GIS and its Applications	3	10
CED 3201	Design of Structural Steel Elements	3	20
CED 3202	Construction Management	3	25
CEDX 04	Earthquake Resistant Design of Structures	3	25
CEDX 08	Prefabricated Structures	3	20
CEDX 09	Introduction to Steel-Concrete Composite Structures	3	20
CEDX 23	Housing Planning and byelaws	3	20
CEDX 35	Geo-Environmental Engineering	3	30
CEDX 37	Geo Synthetics	3	30
CEDX 43	Industrial Waste Water Treatment	3	20
CEDX 44	Hazardous Waste Management	3	60
CEDX 45	Environmental Risk Assessment	3	30
CEDX 46	Environmental Impact Assessment	3	20
CEDX 47	Sustainable Water and Sanitation for Smart cities	3	20
CEDX 51	Hydrology	3	20
CEDX 52	Ground Water Engineering	3	20
CEDX 53	Storm Water and Flood Management	3	25
CEDX 62	Urban Planning and Design	2	40
CEDX 64	Pavement Design	2	20
CEDX 72	Remote Sensing	3	10

The syllabi of the courses (V & VI Semester) of B.Tech. Civil Engineering under R 2021 (including syllabi of relevant professional elective courses) is given in [Annexure](#)

20.7.1.

The Academic Council may consider and approve the same for implementation from the academic year 2023-24.

Resolution:

After deliberations, the above item was approved for implementation from the academic year 2023-24.

Item 20.7.2

To consider and approve the syllabi of open elective courses offered by the Department of Civil Engineering for B.Tech. programmes under Regulations 2021

Note on Agenda:

The Department of Civil Engineering offering open elective courses, for the benefit of other department students' in the VI & VII semester of B.Tech. Programmes under R 2021 were deliberated in the 18th Board of Studies of Civil Engineering Department held on 05.04.2023. After deliberations, the Board has recommended the same for approval in the Academic Council.

The following are the salient details of open elective courses offered by the Department:

I. Semester VI & VII (AY 2023-2024)

a) New courses proposed:

Course Code	Course Title	Credits
GEDX 105	Building Repair Solutions	3
GEDX 229	Waste Water Management	3

b) Courses with Syllabus revisions:

Course Code	Course Title	Credits	Revision (%)
GEDX 209	Disaster Management	3	20
GEDX116	Green Design and Sustainability	3	40

The syllabi of the open elective courses offered by the Department of Civil Engineering for B.Tech. programmes under R 2021 are given in [Annexure 20.7.2](#).

The Academic Council may consider and approve the same for implementation from the academic year 2023-24.

Resolution:

After deliberations, the agenda item was approved for the implementation from the academic year 2023-24.

Item 20.7.3

To consider and approve the syllabus of the open elective course “Green Building and Energy Management’ offered by the Department of Civil Engineering for M.Tech. programmes under Regulations 2022.

Note on Agenda:

The Department of Civil Engineering offering the open elective course “Green Building and Energy Management” for the benefit of other department students of M.Tech. Programmes under Regulations 2022. The syllabus of this course was deliberated in the 17th Board of Studies of Civil Engineering Department held on 10.08.2022. After deliberations, the Board has recommended the same for approval in the Academic Council.

The following are the salient details of open elective course offered by the Department:

I. Semester III (AY 2023-2024)

a) New course proposed:

Course Code	Course Title	Credits
OEEY	Green Building and Energy Management	3

The syllabus of the open elective course “Green Building and Energy Management” offered by the Department of Civil Engineering to M.Tech. programmes under Regulations 2022 is given in [Annexure 20.7.3](#).

The Academic Council may consider and approve the same for implementation from the academic year 2023-24.

Resolution:

After deliberations, the above agenda item was approved for implementation from the academic year 2023-24.

Item 20.7.4

To consider and ratify the revised Programme Educational Objectives of B.Tech. Civil Engineering under R 2021

Note on Agenda:

The Programme Educational Objectives of B.Tech. Civil Engineering under R 2021 were revised by following the guidelines of NBA. The expected attributes of the graduate engineers after 3-5 years of their graduation was measured as a scale for framing PEOs.

These PEOs were deliberated in the 18th Board of Studies of Civil Engineering Department held on 05.04.2023. After deliberations, the Board has recommended the same for ratification in the Academic Council.

The revised PEOs of B.Tech. Civil Engineering under R 2021 is given in [Annexure 20.7.4.](#)

The Academic Council may consider and ratify the same for implementation from the academic year 2022-23.

Resolution:

After deliberations, the above item was ratified and considered for the implementation from the academic year 2022-23.

SCHOOL OF MECHANICAL SCIENCES
DEPARTMENT OF MECHANICAL ENGINEERING

Item 20.8

To consider and approve the recommendations of the Board of Studies of the Department of Mechanical Engineering.

Item 20.8.1

To consider and approve the revised curriculum and syllabus of elective courses (II & III semester) of M.Tech. (CAD-CAM) programme under Regulations R2022.

Note on Agenda:

The major revision in the curriculum of M.Tech. (CAD CAM) programme under R 2022 and syllabi of core courses and professional elective courses (Semester I) were approved in the 19th meeting of the Academic Council held on 29.09.2022. In the 21st meeting of the Board of Studies of the Mechanical Engineering Department, which was held on 10.02.2023, an amendment was proposed in the curriculum by introducing a new elective course based on the suggestion from 19th meeting of the Academic Council and syllabus of the professional elective courses (II & III semester) were deliberated. After deliberations, the Board has recommended the same for approval in the Academic Council.

The details of new elective course introduced and courses with syllabus revisions in the M.Tech. (CAD CAM) under R 2022 is given below.

a) New courses proposed:

Sl. No.	Course Code	Category	Course Title	Credits
1.	MEEY 039	PE	Circular Economy *	2
2.	MEEY 015	PE	Design for Sustainability	2
3.	MEEY 038	PE	Industry 4.0	1
4.	MEEY 037	PE	Augmented Reality / Virtual Reality	1

* New elective course added in the curriculum as suggested by 19th Academic Council

b) Courses with syllabus revisions:

Sl. No.	Course Code	Course Title	Credits	Revision (%)
1	MEEY 001	Advanced Mechanisms Design and Simulation	3	22
2	MEEY 002	Advanced Strength of Materials	3	20
3	MEEY 003	Advanced Tool Design	3	20
4	MEEY 004	Computational Fluid Dynamics	3	25
5	MEEY 005	Computer-Aided Process Planning	3	27
6	MEEY 007	Design of Material Handling Equipment	3	25
7	MEEY 008	Industrial Robotics and Flexible Automation	3	20
8	MEEY 010	Optimization Techniques in Design	3	25
9	MEEY 014	Mechanics of Composite Materials	2	30
10	MEEY 016	Geometric Dimensioning and Tolerance	1	20
11	MEEY 017	Topology Optimization	1	20
12	MEEY 023	Processing of Polymers and Composites	3	20
13	MEEY 024	Precision Engineering and Nano Technology	3	24
14	MEEY 025	Newer Materials	2	23
15	MEEY 026	Automotive Manufacturing	1	23
16	MEEY 027	Virtual Manufacturing	1	20
17	MEEY 031	Data Communication in CAD/CAM	3	20
18	MEEY 033	Integrated Manufacturing Systems and management	3	20

Sl. No.	Course Code	Course Title	Credits	Revision (%)
19	MEEY 035	Reliability and Total Productive Maintenance	3	25
20	MEEY 036	Product Life Cycle Management	1	20

The revised curriculum and syllabus of elective courses (II & III semester) of M.Tech. (CAD-CAM) are given in [Annexure 20.8.1](#).

The Academic Council may consider and approve the same for implementation from the academic year 2023-24.

Resolution:

After deliberations, the above item was approved for implementation from the academic year 2023-24.

Item 20.8.2

To consider and approve the open elective courses for M.Tech. programmes under Regulations 2022.

Note on Agenda:

The syllabi for the following open elective courses offered from the Mechanical Engineering department to M.Tech. programmes under R 2022 were deliberated in the 21st meeting of Board of Studies of the Mechanical Engineering Department, which was held on 10.02.2023. After deliberations, the Board has recommended the same for approval in the Academic Council.

a) List of open elective courses proposed:

Sl. No.	Course Code	Course Title	L	T	P	C
1	OEEY	Project Management	3	0	0	3
2	OEEY	Robotic Technology	3	0	0	3

The syllabi of the above open elective courses to be offered by the Department of Mechanical Engineering for M.Tech. programmes under R 2022 are given in [Annexure 20.8.2](#).

The Academic Council may consider and approve the same for implementation from

The syllabus of the following open elective course to be offered from Department of Information Technology to other M.Tech. programmes under R2022 was deliberated in the 17th meeting of Board of Studies of the Department of Information Technology which was held on 28.02.2023. After deliberations, the Board has recommended the same for approval in the Academic Council.

New open elective course (proposed):

Course Code	Course Title	Credits
OEEY	Data Science and Machine Learning	3

The syllabus of the above mentioned open elective course is given in [Annexure 20.15.2](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2023-24.

Resolution:

The agenda item was approved for implementation from the academic year 2023-24.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 20.16

To consider and approve the recommendations of Board of Studies of the Department of Computer Applications.

Item 20.16.1

To consider and approve the syllabi of the programme core and professional elective courses (Semester V & VI) of BCA programme, with specialization in Cloud Technology & Information Security, Multimedia and Web Application Development and Data Science under regulations 2021.

Note on Agenda:

The major revisions in curriculum of BCA programme, with specialization in Cloud Technology & Information Security, Multimedia and Web Application Development and Data Science under R 2021 and syllabi of I to IV Semester courses were approved in the 17th & 18th meeting of Academic Council respectively.

In the 19th meeting of Board of Studies of Computer Applications Department, which was held on 13-02-2023, the syllabi of programme core and professional elective courses (Semester V – VI) were deliberated. After deliberations, the Board has recommended the

same for approval in the Academic Council.

The salient features of BCA programme curriculum under R-2021 with respect to “Introduction of New courses” and “Courses with Syllabus revisions” are as follows:

I. Semester V & VI

a) New courses proposed:(AY 2023-24)

Course Code	Course Title	Credits
CAD 3108	Full Stack Technologies	4
CADX 108	Cloud Services for Data Science	3
CADX 118	Cloud Services Laboratory	1

b) Courses with Syllabus revision:(AY 2023-2024)

Course Code	Course Title	Credits	Revision (%)
CAD3101	Logical Reasoning and Thinking	3	20
CAD3201	Enterprise Application Development	3	50
CADX109	Virtualization And Cloud Security:	3	40
CADX107	Games, Arts and Design	3	20

The syllabi of the courses (V & VI semesters) of the BCA programme under Regulations 2021 are given in [Annexure 20.16.1](#).

The Academic Council may consider and approve the same for implementation from the academic year 2023-24.

Resolution:

After deliberations, the agenda item was approved for implementation from the academic year 2023-24.

Item 20.16.2

To consider and approve the syllabi of the programme core and professional elective courses (Semester V & VI) of B.Sc. Computer Science programme, regulations 2021.

Note on Agenda:

The major revisions in curriculum of B.Sc. Computer Science programme, under R 2021 and syllabi of I to IV Semester courses were approved in the 17th & 18th meeting of Academic Council respectively.

In the 19th meeting of Board of Studies of Computer Applications Department, which was held on 13-02-2023, the syllabi of programme core and professional elective courses

(Semester V – VI) were deliberated. After deliberations, the Board has recommended the same for approval in the Academic Council.

The salient features of B.Sc. Computer Science programme curriculum under R2021 with respect to “Introduction of New courses” are as follows:

I. Semester V & VI

a) New courses proposed: (AY 2023-24)

Course Code	Course Title	Credits
CAD3102	Full Stack Development	3
CAD3103	Cyber Security	3
CAD3104	Cloud Services	3
CAD3106	Full Stack Development Laboratory	2
CAD3107	Cloud Services Laboratory	2
CAD3203	Data Visualization (Lab Integrated Theory)	4

b) Courses with Syllabus revision:(AY 2023-24)

Course Code	Course Title	Credits	Revision (%)
CAD3101	Logical Reasoning and Thinking	3	20
CAD3105	Software Testing	3	20
CAD3201	Enterprise Application Development	3	50

The syllabi of the courses (V & VI semesters) of the B.Sc. Computer Science programme under Regulations 2021 is given in [Annexure 20.16.2](#)

The Academic Council may consider and approve the same for implementation from the academic year 2023-24.

Resolution:

After deliberations, the agenda item was approved for implementation from the academic year 2023-24.

Item 20.16.3

To consider and approve the syllabi of the programme core and professional elective courses (Semester III & IV) of BCA programme, with specialization in Artificial Intelligence and Cyber Security under Regulations 2021.

Note on Agenda:

The major revisions in curriculum of BCA programme, with specialization in

Artificial Intelligence and Cyber Security under R 2021 and syllabi of I & II Semester courses were approved in the 19th meeting of Academic Council.

In the 19th meeting of Board of Studies of Computer Applications Department, which was held on 13-02-2023, the syllabi of programme core and professional elective courses (Semester III – IV) were deliberated. After deliberations, the Board has recommended the same for approval in the Academic Council.

The salient features of BCA programme, with specialization in Artificial Intelligence and Cyber Security programme curriculum under R2021 with respect to “Introduction of New courses” are as follows:

I. Semester III & IV

a) New courses proposed: (AY 2023-24)

Semester III

Sl. No.	Course Code	Course Title	Credits
1.	CAD 2101	Design and analysis of Algorithm	3
2.	CAD 2102	Software Engineering	3
3.	CAD 2103	Relational Database Management System	3
4.	CAD 2104	Computer Networks	3
5.	CAD 2105	Programming in Java	3
6.	CADX 122	Technology Core I Introduction to Artificial Intelligence	3
7.	CAD 2106	Relational Database Management System Laboratory	2
8.	CAD 2107	Programming in Java Laboratory	2
9.	GED 2102	Aptitude and Interpersonal Skills	1
10.	CADX128	Technology Core I Introduction to Cyber Security	

SEMESTER IV

Sl. No.	Course Code	Course Title	Credits
1.	CAD 2201	Python Programming	3
2.	CADX 219	Technology Core II Introduction to Machine Learning Techniques	3
3.	CADX 220	Technology Core III Digital Image Processing	3

4.	CADX 221	Technology Core IV Knowledge Engineering	3
5.	CADX 2203	Python Programming Laboratory	2
6.	CADX 222	Technology Core Lab – I Digital image Processing Laboratory	2
7.	CADX 224	Technology Core II Ethical Hacking	3
8.	CADX225	Technology Core III Web and Mobile Application Security	3
9.	CADX226	Technology Core IV Cryptography and Network Security	3
10.	CADX227	Technology Core Lab – I Ethical Hacking Lab	3

The syllabi of the courses (III & IV semesters) of the BCA (Artificial Intelligence) & BCA (Cyber Security) programme under Regulations 2021 are given in [Annexure 20.16.3](#).

The Academic Council may consider and approve the same for implementation from the academic year 2023-24.

Resolution:

After deliberations, the agenda item was approved for implementation from the academic year 2023-24.

Item 20.16.4

To consider and approve the curriculum and syllabi (I & II Semester) of BCA programme, with specialization in Data Analytics under Regulations 2021.

Note on Agenda:

A new UG programme BCA (Data Analytics) was approved in the 18th Academic Council to be offered in the Madurai Campus. The curriculum and syllabi (I & II semester) was deliberated in the 18th meeting of Board of Studies of Computer Applications Department, which was held on 15.11.2022. After deliberations, the Board has recommended the same for approval in the Academic Council.

The salient features of BCA (Data Analytics) programme curriculum under R2021 with

Excerpts of Minutes of 21st Academic Council Meeting



Minutes of

21st Meeting of Academic Council

held on

20th December, 2023

B.S. Abdur Rahman Crescent Institute of Science and Technology

ITEMS MOVED BY THE VICE CHANCELLOR

Item 21.1.1

To confirm the Minutes of the Twentieth meeting of the Academic Council held on 13th April 2023.

Note on Agenda:

The Twentieth meeting of the Academic Council was held on 13.04.2023 at 10.00 a.m. through blended mode. The minutes of the meeting was communicated to all the members and no comments were received.

The minutes of the meeting is enclosed in [Annexure 21.1.1](#)

The Academic Council may confirm the minutes.

Resolution:

As there were no comments received from the council members, the minutes of twentieth meeting of the Academic Council was confirmed.

Item 21.1.2

To consider and approve the Action Taken Report on the minutes of the Twentieth Meeting of Academic Council.

Note on Agenda:

The action taken report on the minutes of the Twentieth meeting of the Academic Council is enclosed in [Annexure 21.1.2](#)

The Academic Council may consider and approve the same.

Resolution:

The action taken report on the minutes of the twentieth meeting of the Academic council was noted and approved by the Academic Council.

Item 21.1.3

To consider and approve the starting of new programme viz. (i) B.Sc. Aviation, (ii) B.A. Islamic Studies (OL & ODL mode) (iii) LLM (Taxation Law) (iv) LLM (Intellectual Property Law) (v) M.Pharm. programme in the specialisation of Pharmaceutical Analysis (vi) increase in intake in “B.Tech. Aeronautical Engineering”

Note on Agenda:

- (i) Considering the advanced technological developments, current market trends, industry demand and societal needs, the Department of Aerospace Engineering is proposed to offer a new programme on “B.Sc. Aviation” with an intake of 60

students, from the academic year 2024-25. The same was deliberated in the 18th meeting of Board of Studies of Aerospace Department, which was held on 24.11.2023 and has recommended for approval in the Academic Council.

- (ii) In the 16th meeting of the Board of Studies of the School of Arabic and Islamic Studies, it was proposed to offer B.A. (Islamic Studies) through OL and ODL mode from the academic year 2024-25. The curriculum and syllabi of B.A. (Islamic Studies) under Regulations 2021, PPR (Programme Project Report), SLM (Self Learning Material) and E-Learning Material of the courses offered in the programme were deliberated and the Board has recommended the same to get approval from the Academic Council
- (iii) The Crescent School of Law has proposed to start new PG programmes (i) 'LL.M. in Taxation Law' and (ii) LL.M in Intellectual Property Law, from the academic year 2023-24. This is deliberated in the 2nd Board of Studies of the Crescent Centre for Post Graduate Legal Studies held on 17th June, 2023. After deliberations, the Board has recommended the same for approval in the Academic Council.
- (iv) Due to increase in industry demand and advancement in analytical techniques, the Crescent School of Pharmacy has proposed to start new P. G programme M.Pharm. in the specialization of Pharmaceutical Analysis with an intake of 15 seats from the academic year 2024 – 25.
- (v) Due to the increase in demand for new technologies in the field of Aeronautical Engineering, the Department of Aerospace Engineering has proposed to increase the student intake in B.Tech. (Aeronautical Engineering) from 30 to 60 from the academic year 2024-25, upon approval from AICTE.

The Academic Council may consider and approve the same.

Discussions:

Dr. Ranjani Parthasarathy expressed her encouragement and appreciation for the initiation of two new postgraduate programs by Crescent School of Law, namely, 'LL.M. in Taxation Law' and 'LL.M. in Intellectual Property Law.'

Resolution:

After deliberations, the two new postgraduate programs offered by Crescent School of Law, namely, 'LL.M. in Taxation Law' and 'LL.M. in Intellectual Property Law' was approved for the implementation from the Academic year 2023-24 and other programmes in this agenda item was approved for implementation from the Academic year 2024-25. .

PEDX18	Additive manufacturing technology	3
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b) Courses with syllabus revisions (Proposed): Semester II - VII and Elective Courses

Course	Course Title	Credits	Revision (%)
PED 1211	Basics of Machining	3	10
PED 2202	Polymer Compounding Technology	3	5
PED 3103	Plastic and Rubber Testing	3	5
PED 3201	Plastic and Rubber Product Design	3	50
PED 4101	Mould and Die Design	3	5
PEDX 04	Nanoscience and Technology	3	5
PEDX 11	Fibre Technology	3	10
PEDX 12	Polymer Post Processing Operations	3	5
PEDX 17	Plastic Packaging Technology	3	10
PEDX 31	Advanced Mould Manufacturing Techniques	3	20
PEDX 42	Adhesives and Surface Coating Technology	3	5

The Curriculum and Syllabi of the program core courses, professional elective courses, and new courses of B.Tech. Polymer Engineering under R-2021 is given in [Annexure 21.11.1.](#)

The Academic Council may consider and approve the same for implementation from the academic year 2024-25.

Resolution:

After deliberations, the above item was approved for implementation from the academic year 2024-25.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Item 21.12

To consider and approve the recommendations of 19th Board of Studies of the Department of Electrical and Electronics Engineering held on 29.08.2023.

Item 21.12.1

To consider and approve the syllabi of the open elective courses (i) Optimization Techniques (ii) Electric Vehicle and (iii) Introduction to Artificial Intelligence and Evolutionary Computing under B.Tech regulations 2021.

Note on Agenda:

The syllabi of the following **open elective courses** offered from Electrical and Electronics Engineering department to B.Tech. Programmes under R 2021 were deliberated in the 19th meeting of Board of Studies of Electrical and Electronics Engineering Department. After deliberations, the Board has recommended the same for approval in the Academic council.

Course Code	Course Title	Credits
GEDX 220	Optimization Techniques	3
GEDX 112	Electric Vehicle	3
GEDX 122	Introduction to Artificial Intelligence and Evolutionary Computing	3

The syllabi of the open elective courses offered from Electrical and Electronics Engineering department to B.Tech. programmes under R 2021 is given in [Annexure 21.12.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2024-25.

Discussions:

Dr. Ranjani Parthasarathy suggested that the open elective courses titled “Optimization Techniques” and “Introduction to Artificial Intelligence and Evolutionary Computing” can be handled by the Department of Mathematics and Department of Computer Science & Engineering respectively, considering these courses are core to their discipline. Also it was proposed that the EEE department could offer open elective courses in the Renewable Energy domain. After discussions, the HOD, EEE agreed to offer open elective courses on the Renewable Energy domain in the forthcoming academic year.

Resolution:

After deliberations, it was resolved that the open elective course “GEDX 112 – Electric Vehicles” would be implemented from the Academic Year 2024-25.

Item 21.12.2

To consider and approve the inclusion of Electric Mobility Laboratory in VI semester for B.Tech. EEE programme under R2021.

Note on Agenda:

In the 19th meeting of Board of Studies of Electrical and Electronics Engineering

Department, the inclusion of new laboratory course “EED 3206 - Electric Mobility Laboratory” instead of EED3205 - Comprehension in VI semester of B.Tech. EEE programme under R2021, was deliberated. After deliberations, the Board has recommended the same for approval in the Academic council.

I. Semester VI (AY 2024-25)

a) New courses introduced / proposed:

Course Code	Course Title	Credits
EED3206	Electric Mobility Laboratory	1

The revised curriculum of B.Tech. EEE and syllabus of the EED 3206 Electric Mobility Laboratory are given in [Annexure 21.12.2](#).

The Academic Council may consider and approve the same for implementation from the even semester of Academic Year 2023-24.

Discussions:

Mr. Arul Raj Kumar, Vice President of Ford Motor India Ltd., suggested the inclusion of renewable energy in the curriculum, emphasizing the importance for students to acquire knowledge about renewable energy sources.

Resolution:

After deliberations, the above item was approved for implementation from the even semester of the academic year 2023-24.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 21.13

To consider and approve the recommendations of the 25th Board of Studies of the Department of Electronics and Communication Engineering held on 20.09.23.

Item 21.13.1

To consider and approve the syllabi of professional elective courses of B.Tech. Electronics and Communication Engineering under Regulations 2021.

Note on Agenda:

The inclusion of the following Professional elective courses offered to the B.Tech ECE under R2021 Curriculum, was deliberated in the 25th Board of Studies of ECE

Department. After deliberations, the Board has recommended the same for approval in the Academic council.

a) New courses introduced / proposed: (AY 2023-24)

Course Code	Course Title	Credits
ECDX 61	Graphical Programming Based System Design	3

The syllabi of the professional elective courses offered to the B.Tech. ECE under R 2021 is given in [Annexure 21.13.1](#).

The Academic Council may consider and approve the same for implementation from the Even semester of Academic Year 2023-24.

Resolution:

After deliberations, the above item was approved for implementation from the Even semester of Academic Year 2023-24.

Item 21.13.2

To consider and approve the syllabus of new open elective course offered by ECE Department to other B.Tech. Programme under Regulations 2021.

Note on Agenda:

The inclusion of new **open elective** course offered by ECE Department to other B.Tech. programme under R 2021 was deliberated in the 25th Board of Studies of ECE Department. After deliberations, the Board has recommended the same for approval in the Academic council.

a) New courses introduced / proposed: (AY 2024-25)

Course Code	Course Title	Credits
GEDX 231	Electronics for Mechanical Systems	3

The syllabus of the open elective courses offered by ECE Department to other B.Tech programme under R 2021 was is given in [Annexure 21.13.2](#).

The Academic Council may consider and approve the same for implementation from the even semester of Academic Year 2023-24.

Resolution:

After deliberations, the above item was approved for implementation from the even semester of Academic Year 2023-24.