OFFICE OF DEAN (ACADEMIC AFFAIRS)

Ref.: 139 (D) /Dean (AA)/2024   **Date: 24.01.2024**

ACADEMIC YEAR 2022-23

Analysis on Feedback from Parents: Action Taken Report

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

- ❖ Academic Association: Parents are acting as member of School Level Advisory Committee (SLAC) & Board of Studies (BOS) of the Departments. The SLAC and BoS were conducted in two sessions during December 2022– February 2023 and September – November 2023 In the academic year 2022-23.

- ❖ Parents – Teacher meeting was conducted during the month of December (odd semester) and April (even semester). Around 583 parents participated in the even semester and gave valuable suggestions through a feedback form and gave their suggestions for holistic improvement of the Institution.

- ❖ Online Feedback System through Institution website.

The salient suggestions taken forward for further course of action are:

- ➢ S1 revised Curriculum to cope with the industry advancements
- ➢ S2 more skill enhancement courses to cope with current industrial trends
- ➢ S3 to offer more focussed placement training and industrial training.

B. Details of Action Taken

➤ The agenda item 20.11.1 of 20th Academic council and the agenda item 21.15.1, 21.18.3 & 21.22.1 of 21st Academic council meeting proves to be a course of action taken for S1and S2.

➤ S3: to enhance the students placement, The placement and training cell (PTC) and Industry Institute Partnership Cell (IIPC) conducted more number of training programmes, organised more number of webinar, employability assessment test, training for improving the aptitude, skills, reasoning ability across all the programmes. These training programmes ensured increase in number of students' placement.

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 21ˢᵗ Academic Council Meeting

B.S. Abdur Rahman ™

Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956

Minutes of

21ˢᵗ Meeting of Academic Council

held on
20ᵗʰ December, 2023

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

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 21.15

To consider and approve the recommendations of the 22nd Board of Studies of the Department of Computer Science and Engineering held on 17.08.2023.

Item 21.15.1

To consider and ratify the curriculum and revision in syllabi of B.Tech. – CSE (CS) under R2017, B. Tech (CSE), B. Tech – CSE (CS), B. Tech-CSE(IoT), B.Tech (AI & DS) programmes under R2021, M.Tech. CSE and M.Tech. (AI &DS) under R2022.

Note on Agenda:

The revised curriculum and revision in syllabi of B.Tech. (CSE) B. Tech – CSE (CS), B. Tech. CSE(IoT), B.Tech. (AI & DS) programmes under R2021, B. Tech – CSE (CS) under R2017 and M.Tech. (AI & DS) under R2022 were deliberated in the 22nd Board of Studies of Computer Science and Engineering Department. After deliberations, the Board has recommended the same for ratification in the Academic Council.

The salient deliberations B.Tech. CSE, CSE(CS), CSE(IoT) and B.Tech. AI & DS curriculum under R 2017 and R 2021 with respect to "Introduction of New courses" for ratifications are as follows:

I. B.Tech. CSE(CS) under R 2017

   a) **New courses introduced - Semester VII (AY: 2023-24)**

Course Code	Course Title	Credits
CSC 4102	Compiler Design	3
CSC 4104	Compiler Laboratory	1

II. B.Tech. CSE, B.Tech. CSE (CS) and B.Tech. CSE(IoT) under R2021

   a) **New courses introduced - Semester V (AY: 2023-24)**

The course Theory of Computation is introduced with course code CSD 3101 for the programme B.Tech. CSE, B.Tech. CSE (CS) and B.Tech. CSE (IoT)

Course Code	Course Title	Credits
CSD 3101	Theory of computation	3

III. B.Tech. CSE(CS) under R 2021

   New courses introduced - Semester VI (AY 2023-2024)

The course CSD 3231 – Ethical Hacking and CSD 3233 – Ethical Hacking Laboratory has been moved to cyber security professional electives with course code CSDX 413 and a

new course CSD 3202 – Compiler Design has been introduced.

Course Code	Course Title	Credits
CSD 3202	Compiler Design	3
CSD 3203	Compiler Laboratory	1

IV. B.Tech. CSE (IoT) under R 2021(AY: 2023-24)

New Professional Elective Courses Introduced

Course Code	Course Title	Credits
CSDX 455	IoT Cloud Infrastructure	3
CSDX 354	3D Printing and Software Tools	3
CSDX 355	IoT Multimedia Technologies	3
CSDX 360	Energy Harvesting Technologies and Power Management for IoT Devices	3
CSDX 361	Internet of Medical Things	3
CSDX 362	5G and IoT Technologies	3
CSDX 363	Artificial Intelligence and IoT	3
CSDX 364	Machine Learning and Deep Learning for IoT	3

V B.Tech. AI & DS under R 2021

a) New courses introduced: (AY 2023-2024)

Course Code	Course Title	Credits
CSD 3153	Automata theory	3
CSD 3156	Data and Security lab	1
CSD 3253	Data Analytics and Visualization Laboratory	1
CSD 3255	Software Tools and Techniques Laboratory	1
CSD 4151	Applied Artificial Intelligence	3
New Professional Elective courses Introduced		
CSDX 606	R Programming for Artificial Intelligence and Data Science	3
CSDX 503	Artificial Intelligence based Web application	3
CSDX 504	Game theory	3
CSDX 507	Decision Making for Data Science	3
CSDX 508	Social Network Analysis	3

CSDX 510	Healthcare Data Analytics	3
CSDX 511	Recommender System	3
CSDX 624	High Performance Computing	3
CSDX 628	Web Analytics	3
CSDX 630	Text Analytics	3
CSDX 632	Spatial Databases	3
CSDX 521	Speech Processing	3
CSDX 522	Computer Vision	3
CSDX 524	Reinforcement Learning	3

b) The revised elective course codes and course names are given below:

S.No.	Existing code	Modified Code	Course Title
1.	CSDX 502	CSDX 603	Intelligent Information Retrieval
2.	CSDX 524	CSDX 501	Web and Social Media Mining
3.	CSD 3152	CSDX 502	Artificial Neural Networks
4.	CSD 3155	CSDX 509	Pattern Recognition
5.	CSDX 519	CSDX 621	Process Automation
6.	CSDX 515	CSDX 622	Applied Machine Learning
7.	CSDX 518	CSDX 623	Agent-Based Intelligent System
8.	CSDX 520	CSDX 625	Human and Intelligent Systems
9.	CSD 3254	CSDX 626	Natural Language Processing
10.	CSD 3253	CSDX 629	Exploratory Data Analysis
11.	CSDX 501	CSDX 631	Graph Theory and its Applications in Data Science
12.	CSDX 504	CSDX 532	Predictive Analytics

VI. Courses with syllabus revisions (ratified):

B.Tech. CSE (AY 2023-24)

Course Code	Course Title	Credits	Revision (%)
CSD 2203	Computer Architecture and Microprocessor	3	20%
CSDX 226	Web Analytics and Social Media Mining	3	20%
CSDX 108	Computer Vision	3	5%

B.Tech. AI & DS (AY 2023-24)

Course Code	Course Title	Credits	Revision (%)
CSD 2255	Essentials Of Data Science	3	25%
CSD 3152	Cloud Computing Services	4	20%
CSD 3154	Machine Learning Techniques	3	70%
CSDX 502	Pattern Recognition	3	45%

The course learning objectives and course outcomes of undergraduate programmes under R2021 and post-graduate programmes under R2022 were revised.

The updated curriculum and syllabi revision are given in **Annexure 21.15.1 (a), 21.15.1 (b), 21.15.1 (c) and 21.15.1 (d)**

The Academic Council may consider and ratify the same from the Academic Year 2023-24.

Resolution:

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

Item 21.15.2

To consider and ratify the course equivalency of NPTEL / SWAYAM courses and BSACIST for the credit transfer of B.Tech. Computer Science and Engineering programme under Regulations 2021.

Note on Agenda:

In the 22nd meeting of Board of Studies of CSE Department, the course equivalency of NPTEL / SWAYAM courses with BSACIST for the credit transfer of B.Tech. Computers Science Engineering programme under R2021, R2017 were deliberated. After deliberations, the Board has recommended the same for ratification in the Academic council. The details of NPTEL / SWAYAM courses with the BSACIST are as follows:

Programme & Regulation	Course code and Name	Credit	Swayam courses- NPTEL		
			Course code and Name	No of weeks	Credit (Equivalency)
B.Tech CSE R2021	CSDX 108- Computer Vision	3	noc23-cs77- Computer Vision	12	3
B.Tech AI & DS R2017	CSC 3252 - Introduction to Internet of Things	3	noc23-cs83 - Introduction to Internet of Things	12	3

professional elective course (Semester III) was deliberated. After discussions, the Board has recommended the same for approval in the Academic council.

The salient deliberations of M.Sc. Chemistry curriculum under R-2022 with respect to "Courses with Syllabus revisions'" are as follows:

I. Semester III & IV (AY 2023-24)

b) Courses with syllabus revisions (ratified):

Course Code	Course Title	Credits	Revision (%)
CHEY016	Polymer Technology	3	25

The Curriculum and syllabi of the above course of M.Sc. Chemistry under R2022 are given in **Annexure 21.18.2.**

The Academic Council may consider and ratify the same for implementation from the Odd Semester of Academic year 2023-24.

Resolution:

After deliberations, the above item was ratified for implementation from the Odd Semester of Academic year 2023-24.

Item 21.18.3

To consider and ratify the open elective courses for M.Sc. programmes under Regulation 2022.

Note on Agenda:

The syllabi of the following open elective courses offered from Chemistry department to M.Tech. / M.Sc. programmes under R 2022, were deliberated in the 13th meeting of Board of Studies of Chemistry Department. After deliberations, the Board has recommended the same for ratification in the Academic council.

Course Code	Course Title	Credits
OEEY 701	Analytical Techniques	3
OEEY 710	Nanotechnology and Catalysis	3
OEEY 715	Structural Interpretation of Materials	3
OEEY 732	Alternative Energy Resources	3
OEEY 733	Biomass for Energy Applications	3
OEEY 734	Corrosion and its Control	3
OEEY 736	Environmental Chemistry	3
OEEY 737	Fuel Cells for Sustainable Energy Production	3

OEEY 738	Green and Sustainable Chemistry	3
OEEY 739	Industrial Pollution Control	3
OEEY 742	Surface Coating Technology	3

The syllabi of the open elective courses offered from Chemistry Department to M.Tech. / M.Sc. programmes under R 2022 is given in **Annexure 21.18.3.**

The Academic Council may consider and ratify the same for implementation from the Odd Semester of Academic year 2023-24.

Resolution:

After deliberations, the above item was ratified for implementation from the Odd Semester of Academic year 2023-24.

DEPARTMENT OF PHYSICS

Item 21.19

To consider and approve the recommendations of 13th Board of Studies of the Department of Physics held on 14.09.2023.

Item 21.19.1

To consider and approve the revision of syllabi in Physics Courses in Semester I and II for the B.Tech. Programme under Regulations 2021.

Note on Agenda:

Based on the feedback from faculty the following physics courses related to B. Tech Programme are revised in the curriculum under Regulations 2021 and it was deliberated in the 13th meeting of Board of Studies of Department of Physics. After discussions, the Board has recommended the same for approval in the Academic council.

The salient deliberations on Physics courses to B.Tech. programmes under R-2021 with minor modifications are as follows:

a) **Courses with syllabus revisions:**

Course Code	Course Title	Credits
PHD 1181	Applied Physics	3
PHD 1182	Engineering Physics	3
PHDX 05	Semiconductor Physics for Information Technology	3
PHDX 06	Sensors and Actuators	3

The revised syllabi of I and II semester Physics courses of B.Tech. programme under

CRESCENT SCHOOL OF LAW

Item 21.22

To consider and approve the recommendations of 2nd Board of Studies of the Crescent Centre for Post Graduate Legal Studies held on 17th June, 2023.

Item 21.22.1

To consider and approve the Skill Enhancement courses for LL.M programmes under Regulation 2022.

Note on Agenda:

In the 2nd meeting of Crescent Centre for Post Graduate Legal Studies, the introduction of Skill enhancement courses for LLM programmes were deliberated. After deliberations, the Board has recommended the same for approval in the Academic council.

I. Semester III & IV (From AY 2024-25 onwards)

a) New courses introduced / proposed:

Course Code	Course Title	Credits
MLE 7104	Research Internship: Doctrinal and Non-doctrinal	4
MLE 7203	Teaching Internship	4

The Curriculum and syllabi of the courses of LL.M. programmes under R 2022 are given in **Annexure 21.22.1.**

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

Item 21.22.2

To consider and approve the Elective courses for LL.M programmes under Regulation 2022.

Note on Agenda:

Syllabi of the following generic and discipline specific elective courses offered from Crescent Centre for Post Graduate Legal Studies under R 2022 were deliberated in the 2nd of Board of Studies of Crescent School of Law. After deliberations, the Board has recommended the same for approval in the Academic council.

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

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Item 20.11

To consider and approve the recommendations of the Board of Studies of the Department of Electrical and Electronics Engineering

Item 20.11.1

To consider and approve the revised curriculum and introduction of new elective courses in the B.Tech. Electrical and Electronics Engineering programme under R2021

Note on Agenda:

The major revisions in curriculum of B.Tech. Electrical and Electronics Engineering under R 2021 and syllabi of I to VIII Semester courses were approved in the 17th & 18th & 19th meeting of Academic Council. In the 19th academic Council which was held on September 29th, 2022, the expert members suggested to introduce elective courses on "Gas Insulated Substation, Cost Economics of Renewable energy Systems and Digital Electrical Control System for Modern Buildings" considering the industry requirements. Accordingly, three new elective courses were proposed and submitted in 18th BoS for approval.

In the 18th meeting of Board of Studies of Electrical and Electronics Engineering Department, which was held on 10.02.2023, the syllabi of these three elective courses were deliberated. After deliberations, the Board has recommended the same for approval in the Academic Council.

The salient features of B.Tech. Electrical and Electronics curriculum under R2021 with respect to "Introduction of New courses" are as follows:

I. Semester V to VIII (AY 2023-24)

a) New courses proposed:

Course Code	Course Title	Credits
EEDX 13	Gas Insulated Substation	3
EEDX 64	Cost Economics of Renewable Energy Systems	3
EEDX 65	Digital Electrical Control System For Modern Buildings	3

The revised curriculum and syllabi of the newly introduced elective courses of B.Tech. Electrical and Electronics Engineering under R 2021 are given in **Annexure 20.11.1.**

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.

Item 20.11.2

To consider and approve the open elective courses for M.Tech. programmes under Regulations2022.

Note on Agenda:

The syllabi of the following open elective courses offered from the Department of Electrical and Electronics Engineering to M.Tech. programmes under R 2022 were deliberated in the 18th Board of Studies of EEE Department held on 10.02.2023 After deliberations, the Board has recommended the same for approval in the Academic Council.

List of new open elective courses proposed:

Course Code	Course Title	Credits
OEEY	Soft Computing Techniques	3
OEEY	Electric Vehicle and Battery Storage Technology	3

The syllabi of the open elective courses offered from Electrical and Electronics Engineering Department for M.Tech. programmes under R 2022 is given in **Annexure 20.11.2.**

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.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 20.12

To consider and approve the recommendations of the Board of Studies of the Department of Electronics and Communication Engineering