Minutes of

22nd MEETING OF ACADEMIC COUNCIL

held

on
04th September, 2024

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

Minutes of the 22nd meeting of Academic Council

Date: 04.09.2024   **Time: 10.00 a.m.**

Venue: Seminar Hall III, Convention Centre

The following members were attended the meeting:

1. Prof. Dr. T. Murugesan, Vice Chancellor
2. Prof. Dr. N. Thajuddin, Pro Vice Chancellor
3. Dr. N. Raja Hussain, Registrar
4. Dr. P.S. Syed Masood Jamali, Advisor
5. Dr. Bashir Alam, Professor, Department of Computer Engineering, Jamia Millia Islamia, Central University, New Delhi.
6. Dr. Ranjani Parthasarathy, Former Professor, Department of IST, Anna University, Chennai.
7. Dr. Usha Natesan, Director, National Institute of Technical Teachers Training and Research (NITTR), Chennai
8. Mr. Arul Raj Kumar, Vice President, Ford Motor India Ltd., Chengalpattu.
9. Mr. Anbu NedunchezhianGeneral Manager – Operations, Caterpillar, Thiruvallur Plant
10. Mr. K. Rakeeb Mohamed Mubeen Product Head – Zoho Desk, Zoho Corporation Pvt. Ltd.,Tenkasi.
11. Dr. S. Kaja Mohideen, Controller of Examinations
12. Dr. M. Mohamed Ismail, Dean (Academic Affairs)
13. Dr. J. Revathy, Dean (Research)
14. Dr. Karthikeyan Ramalingam, Dean (Student Affairs)
15. Dr. A. Abudhahir, Director (IQAC) & Professor, Department of Electronics & Instrumentation Engineering
16. Dr. Syed Mohamed Abdul Majeed, Director (Admissions) & Professor, Dept. of Polymer Engineering
17. Dr. M.S. Haji Sheik Mohammed, Dean (School of Infrastructure)
18. Dr. H. Siddhi Jailani, Dean (School of Mechanical Sciences)
19. Dr. C. Tharini, Dean (School of Electrical & Communication Sciences)
20. Dr. S. Hemalatha, Dean (School of Life Sciences)
21. Ar. G. Jayalakshmi, Dean (Crescent School of Architecture)
22. Dr. I. Raja Mohamed, Dean (School of Physical and Chemical Sciences)
23. Dr. Ayub Khan Dawood Dean, School of Social Sciences and Humanities

24. Dr. C. Chockalingam, Dean (Crescent School of Law)

25. Dr. M. Vijaya Vara Prasad, Dean (Crescent School of Pharmacy)

26. Dr. A. Abdul Hai Hasani Nadwi, Dean (School of Arabic & Islamic Studies)
27. Dr.S.K.G. Ganesh, Head in Charge (Crescent School of Business)

28. Mr. M. Parvez Alam, Executive Director, Crescent Innovation and Incubation Centre

29. Dr. Ganesh. K Director, Career Development Centre (CDC) & Industry Relations

30. Dr. A.S. Selva Kumar, Head, Mechanical Engineering

31. Dr. P.N. Kadiresh, Head, Dept. of Aerospace

32. Dr. P.D. Jeyakumar, Head, Dept. of Automobile Engineering

33. Dr. S. Shamshath Begum, Head (Incharge), Department of Polymer Engineering

34. Dr. R. Jayashree, Head, Department of Electrical and Electronics Engineering

35. Dr.G.Kannan Head, Department of Electronics & Communication Engineering

36. Dr. D. Najumnissa Jamal, Head, Department of Electronics & Instrumentation
    Engineering

37. Dr. W. Aisha Banu, Head, Department of Computer Science Engineering

38. Dr. N. Prakash, Head, Department of Information Technology

39. Dr.M.Syed Masood, Head, Dept. of Computer Application

40. Dr. Sindhu J. Kumar, Head, Department of Mathematics & AS

41. Dr. G.V. Vijayaraghavan, Head, Department of Physics

42. Dr. N. Hajara Beevi, Head, Department of Chemistry

43. Dr. P Rathna, Head, Department of English

44. Dr. K. Soundarapandiyan, Head, Department of Commerce

45. Dr. R. Radhai, Head, Department of Public Policy

46. Dr. S. Rasool Mohideen, Professor, Dept. of Mechanical Engineering

47. Dr. A.Jaya, Professor, Dept. of Computer Applications

48. Dr. P.K. Jawahar, Professor, Department of Electronics & Communication Engineering

49. Dr. S. Sathik Basha, Professor, Dept. of Physics

50. Dr. K. Yogeswari, Professor, Dept. of Civil Engineering

51. Dr. G. Kavitha, Professor, Dept. of Information Technology

52. Dr.N. Sabiyath Fatima, Professor, Department of Computer Science and Engineering

53. Dr.S.Bhagavathy , Department of Chemistry

54. Dr. A. Shajahan, Associate Professor, Department of Chemistry

55. Dr.S.P.Valli , Associate Professor, Department of Computer Science and Engineering

56. Dr. Naveena Ameena, Assistant Professor (Seln.Gr) Dept. of Information Technology

57. Mr.H.Hasan Babu , Assistant Professor (Sr. Gr.), Department of Electronics &
    Communication Engineering

58. Mr. Fadhil Ahmed Abdul Kadar, IV year CSE

59. Mr. Mohamed Anas III yr, B.Com.(Hons.)

Welcome Address by the Vice Chancellor

The Vice Chancellor extended a warm welcome to the esteemed members of Academic Council and introduced the recently appointed distinguished external experts viz. Mr. Anbu Nedunchezhian General Manager – Operations, Caterpillar, Thiruvallur Plant and Mr. K. Rakeeb Mohamed Mubeen Product Head – Zoho Desk, Zoho Corporation Pvt. Ltd., along with the new Internal Members.

Additionally, heartfelt gratitude was conveyed to the departing members (External Experts and Internal Members those completed the terms) for their unwavering commitment and dedicated service to the Academic Council. The Vice Chancellor acknowledged their significant contributions recognizing the pivotal roles they played during their tenure. Then the members present had the opportunity to introduce themselves, and to provide a visual insight into the Institute, a brief video presentation was shared with the members.

Following this, the Vice chancellor presented the report on the academic activities of the Institution from previous Academic Council Meeting held on 20th December 2023 till date.

I. ACADEMIC ACTIVITIES

➢ Commencement of the even semester of the academic year 2023-24

    1. January 2, 2024, for all final-year students in B.Tech. and M.Tech. programs.

    2. January 18, 2024. for all first-year and intermediate-year students across all programs

➢ The total no. of courses configured in the E-learning portal of Crescent Mastersoft ERP for the even semester of AY 2023-24 is given below.

S. No.	Description	Number
1	No. of courses enrolled	**812**
2	No. of courses configured	**1169**

➢ The students were encouraged to enroll in value added courses. The details of the number of courses and students enrolled in IIT Bombay – Spoken Tutorial Courses and SWAYAM/NPTEL courses in the even semester 2023-24 are given below.

Details	IIT Bombay – Spoken Tutorial	SWAYAM / NPTEL courses
	Even semester 2023-24	Even semester 2023-24

Total number of courses enrolled	**75**	**300**
Total number of faculty involved / registered	**75**	**215**
Total number of students enrolled	**3969**	**2632**

➤ **557 students** from various departments have availed for credit transfer in **50 courses** with a total credit transfer of **1746 credits.**

➤ The details of Entrepreneurship and "Advanced Entrepreneurship" courses were offered to the students of B.Tech. programmes across all disciplines in collaboration with Wadhwani foundation -NEN, Bangalore is given below

Month & Year	Entrepreneurship Course	Advanced Entrepreneurship Course	Total No. of Students Enrolled
EVEN Semester 2023-24 (Jan – June 2024)	786	-	786
ODD Semester 2024-25 (July- Dec 2024)	198	14	212
Total	**984**	**14**	**998**

➤ A total of **2,403** degrees were conferred during 13th convocation.

Undergraduate degrees were conferred to 1,679 students.

Postgraduate degrees were conferred to 578 students.

Ph.D. degrees were awarded to 93 scholars.

➤ **Semester End Examinations May 2024**

Out of 2,527 final-year students appeared in the semester end examinations, the estimated pass percentage is to be 89% (tentatively).

A total of 9,556 students appeared in the May 2024 session.

➤ **The 14th Convocation 2024 is tentatively scheduled to be held in October 2024.**

II. MEETINGS OF STATUTORY BODIES

Meetings of various boards, committees and statutory bodies were held as follows:

➤ The meeting of the 21st meeting of Academic Council was held on 20th December 2023.

➤ The 53rd Research Board meeting was conducted on 20.06.2024.

➤ Meetings of Board of Studies of Departments and Schools were conducted during June 2024 - July 2024.

➤ The 24th Board of Management meeting was conducted on 28.08.2024.

➢ Standing Committee Meeting of 22nd Academic Council was conducted on 2nd September 2024.

III. INTERNAL QUALITY ASSURANCE CELL (IQAC)

a.   Recognition From Regulatory Bodies

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE)

• The AICTE issued the Extension of Approval for the current Academic Year 2024-25 for the following number of programmes.

S. No.	Programmes	No. of Progragmmes
1	UG Enginnering (B.Tech)	16
2	PG Engineering (M.Tech)	11
3	Manangement (MBA& MBA - IEV)	2
4	Computer Applications (MCA)	1
5	ODL (MBA & MCA)	2
6	OL (MBA & MCA)	2
Total Programmes		**34**

b.   Rankings & Ratings

1.   THE Impact Rankings 2024

Institute bagged the following global ranks in THE Impact Rankings 2024.

➢ In **SDG 4, Quality Education**, 3rd rank was secured at the national level and 37 globally.

➢ In **SDG 6, Clean Water and Sanitation,** 2nd rank was secured at the national level and 29 globally.

➢ In **SDG 7, Affordable and Clean Energy,** 4th rank was secured at the national level and 13 globally.

➢ In **SDG 17, Partnerships for the Goals**, 1st rank was secured at the national level, with a global rank of 101-200.

2. Times Higher Education World University Rankings (THE WUR) 2024:

Based on the data submitted to THE World University Rankings on 10thApril 2023, the instittute received the following rank bands .

Category	Rank
THE World University Rankings 2024	1201-1500
Subject Rankings (Engineering)	1001+
THE World University Rankings 2024 – Asia	501 - 600

THE World University Rankings 2024 – Young	501 - 600

3. QS World University Rankings:

Based on the data submitted the QS Asia Rankings 2024 and QS World University Rankings 2024 on 6th February 2023, the instittute received the following rank bands.

Category	Rank (2023)	Rank (2024)
Southern Asia	174	258
Asia	651-700	801+

4. NIRF India Rankings 2024

Based on the data submitted to the NIRF India Rankings 2024 portal on 29th Nov 2023, the instittute received the following rank bands.

Category	Rank / Rank Band	No. of Institutions Participated
Engineering	151 – 200	1463
Pharmacy	84	467
Architecture	40	115

5. Dataquest – CMR Best T-School Survey 2024

- Our Institute ranked in the Dataquest - CMR Best T - School Survey 2024 as below:
  - All India Rank: "1" - Private T-Schools Category
  - All India Rank: "2" - South Zone
  - All India Rank: "5" - Overall Ranking

  B. S. Abdur Rahman Crescent Institute of Science and Technology positioned as the No.1 Private Institution in INDIA by Dataquest – CMR Best T-School Survey for Four consecutive years – 2021, 2022, 2023 and 2024.

- Our Institute ranked in the Dataquest - Employability Index Survey 2023 as follows:
  - All India Rank: "19" - Overall
  - All India Rank: "15" - Private
  - All India Rank: "6" - South Zone

- Our Institute ranked in the Dataquest – Digital Index as follows:
  - All India Rank: "10" - Overall
  - All India Rank: "3" - Private
  - All India Rank: "3" - South Zone

6. **India Today- MDRA Best Universities Rankings 2024 –** Crescent Institute ranked 22nd (Overall – All India) under the General (Private) Category.

IV. ACADEMIC RESEARCH

Admission:

Session & Year	Full-time Scholars admitted	Part-time scholars admitted	Total
Jan 2024	19	33	**52**
July 2024 (as on 31.07.2024)	26	74	**100**

Research Achievements (as on 31.07.2024):

h – index	84
i-10 index	981
No. of Publications (Scopus & WoS)	180
Total No. of Citations	42,000+
Highest SNIP	5.718
Highest Impact Factor	18.96
Average Impact Factor	3.09

Degree Awarded, Viva – Voce Completed, Thesis / Synopsis Submitted Details:

No. of Ph.D. Degree awarded (Overall)	307
Viva – Voce completed	16
Viva – Voce awaited	12
Thesis submitted	14

Scholars & Supervisors Information:

Approved Supervisors	261
Ph.D. Scholars (on Roll)	569
B. S. Abdur Rahman Junior Research Fellow	29
B.S. Abdur Rahman Senior Research Fellow	03
Fellowships received from government agencies	07 SJSGCF: 03 UGC NET JRF: 02 UGC NFOBC: 01 Lady Tata Memorial Trust: 01
Post-Doctoral Fellow	03
Earn while learn fellowships	20

V. CENTRE FOR SPONSORED RESEARCH AND INDUSTRIAL CONSULTANCY

1. Dr. Md. Khurshid Alam Khan, Associate Professor/SLS received a grant of Rs.65.26 Lakhs from Indian Council of Medical Research (ICMR), Govt. of India to carry out the research project titled "Structure based Design and Development of Selective New Delhi Metallo beta lactamse-1 inhibitors to combat Antibiotic Resistance". The duration of the project is 3 years.

2. Under Seed money grant, 49 faculty members are selected to carry out the research projects funded by our institution. Total grant of Rs.30.5 lakhs is sanctioned.

VI. PATENTS

There are 28 patents filed, 18 patents published, and 20 patents granted.

VII. CRESCENT INNOVATION INCUBATION COUNCIL (CIIC)

- Grand launch of CIIC - PIERER INNOVATION (Headquartered in Austria) PARTNERSHIP PULSE B2B Program at International Transportation Electrification Conference (ITEC) in association with SAEINDIA, Startup India & Startup TN.

- CIIC team participated in the National Incubator Capacity Development Program (NICDP) organised by StartupIndia & implemented by Vilgro. CIIC is one among the 25 incubators selected across the country (3 incubators from Tamilnadu) through a competitive process.

- CIIC as one of the Partner Incubator of iDEX (Innovation for Defence Excellence) DIO (Defence Innovation Organization), Department of Defence Production, Ministry of Defence, Govt of India, hosted a Outreach session on "Grant Opportunities on Defence Tech upto Rs.10 Crores" in partnership with AIDAT, MMA, SAEINDIA, StartupTN & Guidance TN.

- CIIC is selected as one of the Partner Institute to host "Ashok Leyland Grand Challenge" a hackathon to solve problem statements of Ashok Leyland and an opportunity to showcase in their Tech Day.. Mr.Paul Palocaren, General Manager & Mr.Murali Manohar, Assistant General Manager of Ashok Leyland interacted with CIIC team and explained about this Grand challenge.

VIII. CAREER DEVELOPMENT CENTRE

In the academic year 2023-24, a total of 202 companies visited the campus. Among these, 66 core companies visited, placing 320 students, while 136 IT, ITES, and other companies visited, placing 372 students.

Overall, 692 students were placed, resulting in a placement percentage of 71%.

IX. MOU'S SIGNED BY THE DEPARTMENTS / SCHOOLS / DIVISIONS

22 MoUs have been signed during this period. Some of the MoUs with the foreign institutions/organisations are KRIRK University, Thailand, UCMI, Malaysia, Tzu Chi University, Taiwan, University of Insubria, Italy , University of Colombo, Sri Lanka , Tula State Lev Tolstoy Pedagogical University, Tula, Russia, Universitas Islam Bandung (UNISBA), Indonesia

X. SIGNIFICANT EVENTS

The Schools / Departments / Divisions of the institution organized around 524 events to promote knowledge acquisition during the period 20 December 2023 to till date. The details are as follows:

Events	Number
Conference	6
Seminar / Webinar	33
Orientation Programme	12
Workshop / Training programme	48
Faculty Development Programme	10
Value Added Programme	33
Guest Lecture	89
Career guidance / Awareness programme	19
Industrial Visit	53
Quiz / online competitions	19
Guest lecture invited talk	23
Symposium	3
Meetings	18
Student Exchange Programme completed	1
Conferences / FDP / Seminars / Workshops Attended by faculties	157
Total	**524**

XI. SALIENT PROGRAMMES / EVENTS CONDUCTED BY THE DEPARTMENTS / SCHOOLS

- School of Life Sciences organized **International conference** on advances and applications of biotechnology (ICAAB 2024) in association with University of East London, UK TamilNadu State Council for Science and Technology National Council for Science & Technology Communication, Department of Science and Technology, Govt.of India on July 30-31 2024

- School of Life Sciences organized **4th Annual International Conference** on Applications of Millets and Probiotics on Cancer Therapy and Management (ICAMP 2024) in association with Association of Cancer Education and Research (ACER) and Purdue University, USA on January 30-31 2024

- Civil Services Day 2024 was celebrated on 23rd of April, 2024 by inviting **Shri. R. Rangarajan IAS**. It was an enlightening and eye opening session for students when the resource persons shared a clear road map for success in UPSC.

- Orientation Program during summer internship was conducted twice, where **Shri. Kamaraj IPS and Shri.Sagayam IAS** visited our institution for motivating our students/aspirants on of July, 2024 and   12th of July 2024 respectively.

- The Central Library, in association with the Office of the Dean (Research), organized an **Author Workshop on Best Practices of Scholarly Publication** on 12th July 2024. Dr. Subhrah Dutta from **Elsevier Publications** served as the resource person.

- **World Book Day** has been celebrated on 23rd April 2024, **Mr. Satish Kumar Dogra, IPS, former DIG**, Government of Tamil Nadu was the chief guest of the event.

- The Centre for International Relations (CIR) organized a Guest Lecture on "Digital Innovations Shaping the Future of Engineering and Design", by Prof. Mirella Di Lorenzo, Professor, Department of Chemical Engineering, **Associate Dean (International) University of Bath**, on 2nd February 2024.

- Delegates from **New Jersey Institute of Technology**, USA, Dr. Shanthi Gopalakrishnan, Professor of Management, Associate Dean Research and Strategic Initiatives, Martin Tuchman School of Management and Dr. Benjamin A. Manyindo, DHA, Director of Masters Programs visited our campus on 15.04.2024 to discuss the possible collaboration and joint degree program to be offered to MBA students.

XII. FACULTY: ACHIEVEMENTS / RECOGNITIONS

- **Dr Md. Khurshid A. Khan**, Associate Professor / SLS has granted of **Rs. 35,94,043** with ICMR sponsored project

- **Dr. S. Hemalatha, Dean, SLS** has received Velu Nachiyar women scientist award, 2023.

- **Dr. S. Ranjani, AP / SLS** has received A.P.J Abdul Kalam award, outstanding researcher award, S. Ramanujan Award and outstanding scientists award.
- **Dr. M.S. Haji Sheik Mohammed, Professor & Dean, SoI** received a grant of Rs. 3.469 lakh for industry sponsored project
- **Dr.P.Gajalakshmi, Professor, SoI** has received an Outstanding Concrete Teacher Award 2023 of Indian Concrete Institute, Chennai Centre on 9th January 2024.
- **Dr. P. Rathna, Director (CIR)** received Global Education Champion Award
- **Dr. C.Tharini Dean (SECS)** has received the best jury award, project and mentor Award in March 2024 organized by IETE.
- **Dr S Kalaivani, Dr. C. Tharini Professor, Dr. Md Ismail, Professor**, received CSR funding Rs 1.42 Lakhs from Jasmin Infotech Pvt .
- **Dr. S. Priya** received Best Academician Award (NRIS) on 30th June 2024.
- **Dr. S. Thowseaf and Dr. V. Agalya** has received the "Best Paper Award" in International Conference on Industrial Resurgence and Contemporary Innovation in Business 4.0 & 5.0 organised by: iLEAD in collaboration with Research Foundation of India and Vidyanagar College.

XIII. STUDENTS: ACHIEVEMENTS / RECOGNITIONS

- Mr. Ajay Ratnam B secured **GOLD medal** in Naedukambu of International Silambam Championship, Malaysian Leisure and Recreation Council and International Silambam Committee on July 2023
- Ms. Ashwini V completed one hour **world record** in World water day awareness program (**Silambam**), Organised by Noble world records on March 2024
- Mr. Karthik K won **world record** for the continuous performance of **silambam** rotations for 1 hour of time conducted by National Martial Arts and Yoga Association on March 2024
- Ahamed, Mothish Kumar and Aniruth have won **First Place** in Sports Government Hackathon held on December 2023
- Mukund V has participated in the All India Inter Collegiate Cultural Fest REJOUR 2024 held on 20 -22nd March 2024 organized by Puducherry Technological University and secured **First Place** in Variety Group event.
- Logeswari S.P, Polymer Engineering, (2021-2025 Batch), have won "**Young Scientist Position**" organized by Central Institute of Petrochemicals Engineering and Technology (CIPET), Chennai, "CIPOFEST-2024", a National Level Technical Symposium on 5th April 2024

- M. S. MUHAMMED NOOHU NUSAIR of III B.Sc (Computer Science) received **1st Prize on Hadith** (Asma-ul-Husna, Hifd-ul-Quran, Essay Writing)

- Mr. Varun T., a student of 3rd Year CSL, secured the **Winner position** in the Kabaddi (Men) Tournament 2023-24, representing the team at the South Zone Inter-University level.

- A total of 30 students of the Department of Commerce completed various courses from **Universitas Islam Bandung (UNISBA), Indonesia** under Student Exchange Programme.

- Nishitha E M, an **NSS volunteer**, Department of Public Policy participated in the 26th National Youth Festival 2023, held in Hubbali, Dharwad, Karnataka. The event was organized by the Ministry of Youth Affairs and Sports, Government of India.

- Ms Rasitha Arafa Rafiudeen, III Year B.Tech. Biotechnology received the **TOEFL test registration voucher worth Rs.16900** from ETS India, based on an online quiz, conducted during the International Education Expo in February 2024.

- The following students were awarded **international internships** through the initiatives taken by the Centre for International Relations:
  1. Mr. Varatharajan P., a Research Scholar in Physics, was selected for an internship at Ming Chi University of Technology, **Taiwan**, from 15th November 2023 to 15th May 2024.
  2. Ms. Leechitha Gopalakrishnan, a 4th-year B.Tech student in Artificial Intelligence & Data Science, and Ms. Rasitha Arafa R., a 4th-year B.Tech student in Biotechnology were awarded an internship under the Mitacs Globalink Research Internship Program in **Canada**, from 5th June 2024 to 28th August 2024 and 25th June 2024 to 1st October 2024 respectively.

- **T. Gayathr**i. **Department of Physics** received **Best paper award** for the paper titled "comparative analysis of different nanofillers in polyvinylidene fluoride hexa-fluor propylene polymer " in international conference on emerging multifunctional materials and devices for sustainable technologies organized by department of physics, **NIT Warangal**, Goa on July 4-5 2024.

XIV. ACADEMIC SOCIAL RESPONSIBILITY (ASR)

- During 29th April 2024, BSACIST has been selected as **Mentor Institute** (MI) under the **AICTE-Margdarshan scheme** and sanctioned a grant-in-aid of **Rs. 12,00,000** (Rupees Twelve Lakh only) vide the sanction letter File No. 58-80 / Margdarshak Cell / 2024-25 / 1099 dated 29 April, 2024.

- The **Office of Director (IQAC)** established a Consultancy Wing to offer **educational mentoring services** to other higher education institutions in India and abroad. The services will cover a range of Quality Assurance Initiatives, including Faculty Development, Curriculum Design, Assessment Practices, Quality Assurance, Rankings and Audits.
- **School of Life sciences** organised **Disease Management awareness program** in Madambakkam village, Chennai from June to December 2023.
- **School of Life Sciences** organized **National Science Day 2024** Theme: Indigenous Technologies for Viksit Bharat, Applications of Biotechnology for Viksit Bharat Webinar and Quiz competition in association with Tamil Nadu State Council for Science and Technology, **Govt. of TamilNadu** & National Council for Science & Technology Communication Department of Science and Technology, **Govt. of India** on February 28 2024.

Discussions:

The members appreciated the achievements of the Institute and noted the contents.

Resolution:

The Academic Council noted the report on Academic activities of the Institution from previous Academic Council Meeting held on 20th December 2023 till date.

ITEMS MOVED BY THE VICE CHANCELLOR

Item 22.1.1

To confirm the Minutes of the Twenty-first meeting of the Academic Council held on 20th December 2024.

Note on Agenda:

The Twenty-first meeting of the Academic Council was held on 20.12.2023 at 10.00 a.m. at Seminar Hall, Convention Centre. The minutes of the meeting was communicated to all the members and comments were incorporated.

The minutes of the meeting is enclosed in **Annexure 22.1.1**

The Academic Council may confirm the minutes.

Resolution:

The Minutes of the Twenty-first meeting of the Academic Council was confirmed.

Item 22.1.2

To consider and approve the Action Taken Report on the minutes of the Twenty-first Meeting of Academic Council.

Note on Agenda:

The action taken report on the minutes of the Twenty-first meeting of the Academic Council is enclosed in **Annexure 22.1.2**

The Academic Council may consider and approve the same.

Resolution:

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

ITEMS MOVED BY THE DEAN (ACADEMIC AFFAIRS)

Item 22.2.1

To consider and note the mode of teaching learning process and academic schedule of the Even Semester 2023-24.

Note on Agenda:

The Institute started the academic session of the Even semester of Academic Year 2023-24 on 02.01.2024 for final year students and 18.1.2024 for the first year and intermediate students.

The Institution meticulously prepared the academic schedule, program-wise, for the even semester of AY 2023-24. 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 **812** courses were enrolled and **1169** courses were configured in the Mastersoft ERP portal.

The details of the academic schedule for various programmes of the even semester 2023-24 is given as follows in **Annexure 22.2.1.**

The Academic Council may consider and note the same.

Resolution:

The agenda item was noted by the   Academic Council.

Item 22.2.2

To consider and approve the revision in clause 6.2 of Regulations 2021 for B.A/BBA/B.COM / BCA/B.Sc. Degree Programme

Note on Agenda:

As per the clause 6.2 of Regulation 2021 for B.A/ BBA/ B.COM / BCA/ B.Sc. Degree Programme, a student can enroll for a maximum of 32 credits during a semester, including redo/predo courses. To enable the students to complete their academic programme within 3 years and to earn around 140 credits in six semesters, it is proposed to increase the maximum allowable credits to be registered during a semester including regular and redo/predo courses to 38 credits.

The proposed amendments in B.A./ B.Sc./ B.Com./ BCA/ BBA Regulations 2021 are given in **Annexure 22.2.2**

The Academic Council may consider and approve the same.

Resolution:

After the deliberations, the revision in clause 6.2 of Regulations 2021 for B.A/BBA/B.COM / BCA/B.Sc. Degree Programme allowing an increase in the maximum permissible credits to be registered during a semester including regular and redo/predo courses to 38 credits, was approved for the implementation from the academic year 2024-25.

Item 22.2.3

To consider and note the credit transfer for SWAYAM – NPTEL courses facilitated to the students in the Academic Year 2023-24

Note on Agenda:

The regulations of various programmes allow the students to pursue the NPTEL courses (under SWAYAM platform) with the option for credit transfer upto 40% of the total credits in a semester. A significant number of faculty members and students enrolled in and completed NPTEL courses during the academic year 2023-24.

A total of **557students** from various departments have requested for credit transfer in **48 courses** amounting to **1746 credits** in total. The course equivalences for these NPTEL courses were approved by the respective board of studies

The details of students and courses pertaining to credit transfer in the academic year 2023-24 is given in **Annexure 22.2.3.**

The Academic Council may consider and note the same.

Resolution:

After deliberations, the agenda item was noted by the Academic Council.

Item 22.2.4

To consider and ratify the extension of study period offered to students of various programmes.

Note on Agenda:

From January to August 2024, 8 students from different programmes were granted an extension of their study period, as approved by the Vice Chancellor, based on the recommendation of Dean, Academic Affairs and Registrar.

The details of students granted extension of study period are given in **Annexure 22.2.4.**

The Academic Council may consider and ratify the same.

Resolution

The agenda item was noted and ratified.

Item 22.2.5

To consider and note the result analysis of odd semester of Academic year 2023-24 of UG & PG programmes

Note on Agenda:

The result analysis of odd semester of Academic year 2023-24 of all UG & PG programmes are given in **Annexure 22.2.5.**

The Academic Council may consider and note the same.

Resolution:

After deliberations, the agenda item was noted by the Academic Council.

ITEMS MOVED BY DIRECTOR (ADMISSIONS)

Item 22.3.1

To consider and note the sanctioned intake and students admitted in the various programmes offered by the Institution in the academic year 2024-25.

Note on Agenda:

The sanctioned intake and the students admitted in the academic year 2024-25 as on 03.09.2024 are as follows:

Sanctioned Intake and Students Admitted for the Academic Year 2024-25

S.No.	B.Tech. Programmes	Sanctioned Intake	No. of Students Admitted
1.	B.Tech. Aeronautical Engineering	30	30

2.	B.Tech. Automobile Engineering	30	11
3.	B.Tech. Biotechnology	60	64*
4.	B.Tech. Civil Engineering	60	27
5.	B.Tech. Computer Science & Engineering	240	258*
6.	B. Tech. Computer Science & Engineering (Cyber Security)	60	69*
7.	B. Tech. Computer Science & Engineering (IoT)	60	62*
8.	B.Tech. Artificial Intelligence & Data Science	180	198*
9.	B.Tech. Information Technology	90	98*
10.	B.Tech. Electrical & Electronics Engineering	60^	67*
11.	B.Tech. Electronics & Communication Engineering	120	124*
12.	B.Tech. Electronics & Computer Engineering	60	66*
13.	B.Tech. Electronics & Instrumentation Engineering	30	24
14.	B.Tech. Mechanical Engineering	60^	53
15.	B.Tech. Polymer Engineering	30	15
	Total	**1170**	**1166**

*Admitted over and above the sanctioned intake under Supernumerary Quota

^ Additional 30 seats was sanctioned by AICTE for working professional for B.Tech. EEE and Mechanical programmes.

S.No.	Other UG Programmes	Sanctioned Intake	No. of Students Admitted
1.	B.Arch.	80	80
2.	B.Des. Interior Design	60	30
3.	B.Pharm.	60	60
4.	BBA LLB (Hons)	120	120
5.	BA LLB (Hons)	60	60
6.	**B.Sc. Aviation****	60	44
7.	B.Sc. Biotechnology	60	40
8.	B.Sc. Computer Science	60	60
9.	BCA	180	175

10.	B.Com. General	240	234
11.	B.Com. Accounts & Finance	120	120
12.	B.Com. Professional Accounting	60	60
13.	B.Com. (Hons)	60	60
14.	BBA General	60	60
15.	B.A. Public Policy	60	54
16.	B.A. English	30	10
17.	B.A. Islamic Studies	100	90
	Total	**1470**	**1357**
	B.Tech. and B.Pharm. Lateral Entry	**-**	**68**
	Total for UG Programmes	**2640**	**2591**

**New Programme

II Year B.Tech. / B. Pharm. Lateral Entry Scheme		
S.No.	**Programmes**	**No. of Students Admitted**
1	B.Tech. Aeronautical Engineering	2
2	B.Tech. Automobile Engineering	4
3	B.Tech. Civil Engineering	9
4	B.Tech. Computer Science & Engineering	5
5	B. Tech. Computer Science & Engineering (Cyber Security)	1
6	B.Tech. Information Technology	4
7	B.Tech. Electrical & Electronics Engineering	10
8	B.Tech. Electronics & Communication Engineering	6
9	B.Tech. Electronics & Instrumentation Engineering	1
10	B.Tech. Mechanical Engineering	17
11	B.Tech. Polymer Engineering	8
12	B.Pharm.	1
	Total	**68**

S. No.	PG Programmes	Sanctioned Intake	No. of Students Admitted
1.	M.Tech. Avionics	06	-
2.	M.Tech. CAD-CAM	06	1
3.	M.Tech. Computer Science & Engineering	12	4
4.	M.Tech. Artificial Intelligence & Data Science	12	12
5.	M.Tech. Information Technology	12	2
6.	M.Tech. Construction Engineering & Project Management	12	2
7.	M.Tech. Structural Engineering	18	9
8.	M.Tech. Power Systems &Engineering	06	-
9.	M.Tech. VLSI & Embedded Systems	06	3
10.	M.Tech. Biotechnology	18	11
11.	M.Tech. Food Biotechnology	18	07
12.	M.Arch.	20	-
13.	M. Pharm. (Pharmaceutics)	15	12
14.	LLM (Criminal Law)	20	07
15.	MBA	180	187*
16.	MBA IEV	30	16
17.	MCA	120	120
18.	M.Sc. Actuarial Science	20	12
19.	M.Sc. Biochemistry & Molecular Biology	20	-
20.	M.Sc. Biotechnology	60	37
21.	M.Sc. Chemistry	40	19
22.	M.Sc. Microbiology	40	40
23.	M.Sc. Physics	20	14
24.	M.Com.	40	40
25.	M.A. Islamic Studies	30	16
	Total for PG Programme	**781**	**571**

***Admitted over and above the sanctioned intake under Supernumerary Quota**

The Academic Council may consider and note the same.

Resolution:

After deliberations, the agenda item was noted by the Academic Council.

ITEM MOVED BY THE DEAN (RESEARCH)

Item 22.4.1

To consider and ratify the modification in clause 8.1 of Ph.D. Regulations 2022.

Note on Agenda:

- The Credit requirement for Ph.D. coursework is a minimum of 12 credits.
- Ph.D. Regulations 2022 of our Institute permits the research scholars to avail a maximum of 6 credits exemption in course work requirements.
- Scholars who have completed relevant core or elective courses at the PG level shall be exempted from coursework, subject to the approval of the Research Advisory (Doctoral) Committee.
- The Research Advisory (Doctoral) Committee shall also recommend UGC-recognized online courses as part of the credit requirements for the Ph.D. programme.
- The Controller of Examination will provide the grade statements for courses registered and completed at our institute, excluding those that have been exempted.
- Scholars must obtain a minimum of 55% marks or its equivalent grade on the UGC10-point scale in their course work, excluding those exempted courses to be eligible to continue in the Ph.D. programme,
- This modification has already been approved by the Vice-Chancellor.

The modified clause 8.1 of the Ph.D. Regulation 2022 is given in **Annexure 22.4.1**
The Academic Council may consider and ratify the same.

Discussions:

Dr. Ranjani Parthasarathy raised concerns that the exemption of 6 credits could lessen the importance of Ph.D. coursework. In response, Dr. Revathy, Dean (Academic Research), clarified that this provision allows scholars to preclude the repetition of courses they have already completed during their postgraduate studies. Moreover, the exemption can be granted based on the recommendation of the Research Advisory (Doctoral) Committee members. This modification had already been deliberated in the 50th Meeting of Research Board held on 16.05.2023 and approved by the Vice-Chancellor and subsequently ratified in the 21st Academic Council Meeting. However, the concern was noted, and it was acknowledged that the matter would be revisited and that appropriate modifications would be made.

Resolution:

Following deliberations, the agenda item was ratified by the Academic Council.

SCHOOL OF MECHANICAL SCIENCES

DEPARTMENT OF AEROSPACE ENGINEERING

Item 22.5

To consider and approve the recommendations of 19th Board of Studies of the Department of Aerospace Engineering held on 17.05.2024.

Item 22.5.1

To consider and approve the syllabus of professional elective course (Semester VII) of B.Tech. Aeronautical Engineering under Regulations 2021.

Note on Agenda:

In the 19th meeting of Board of Studies of Aerospace Engineering Department, the syllabus of professional elective course "AEDX 22 – Structural Analysis tools" was discussed. After deliberations, the Board has recommended the same for approval in the Academic council.

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

Course Code	Course Title	Credits
AEDX 22	Structural Analysis Tools	2

The syllabus of the above professional elective course is given in **Annexure 22.5.1.**

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

Resolution:

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

Item 22.5.2

To consider and approve the revised PEOs for B.Tech. Aeronautical Engineering programme under Regulations 2021.

Note on Agenda:

In the 19th meeting of Board of Studies of Aerospace Engineering Department, the revised PEOs of B.Tech. Aeronautical Engineering were thoroughly discussed.

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

The revised PEOs of B.Tech., Aeronautical Engineering are given in **Annexure 22.5.2.**

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

Resolution:

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

Item 22.5.3

To consider and approve the revised COBs and COs for the course "AED 4201 - Project work" of B.Tech. Aeronautical Engineering under Regulations 2021.

Note on Agenda:

In the 19th meeting of Board of Studies of Aerospace Engineering Department, the modification of COBs and COs for the course "AED 4201 - Project work" were discussed. Following these deliberations, the Board has recommended the same for approval in the Academic council.

The revised COBs and COs for the course "AED 4201 - Project work" are given in **Annexure 22.5.3.**

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

Resolution:

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

Item 22.5.4

To consider and approve the Syllabi for I and II Semester courses of B.Sc. (Aviation) programme under Regulations 2021.

Note on Agenda:

During the 19th meeting of Board of Studies of Aerospace Engineering Department, the syllabi for Semester I & II courses of B.Sc. (Aviation) programme were thoroughly discussed. After Deliberations, the board has recommended the same for approval in the academic council.

The detailed syllabi for semester I & II courses of B.Sc. (Aviation) are given in **Annexure 22.5.4.**

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

Discussions:

Dr. Ranjani Parthasarathy inquired about the primary focus of the new program. The Head of the Aerospace Engineering Department responded, noting that there is substantial demand for employment within the Airport Authority, with select courses being taught by industry professionals from the airport sector. The curriculum and syllabus have been carefully designed to align with the employability requirements of the airport industry. Additionally, this program is being offered in collaboration with M/s MH cockpits, Chennai.

Resolution:

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

DEPARTMENT OF AUTOMOBILE ENGINEERING

Item 22.6

To consider and approve the recommendations of 16th Board of Studies of the Department of Automobile Engineering held on 05.07.2024.

Item 22.6.1

To consider and approve the revised syllabi of programme core and professional elective courses of B.Tech. Automobile Engineering under Regulations 2021.

Note on Agenda:

Based on the dynamic needs in the Industry, in the 16th meeting of Board of Studies of Automobile Engineering Department, the revised syllabi of programme core and professional elective courses were deliberated. After deliberations, the Board has recommended the same for approval in the Academic council.

a) **Courses with syllabus revisions:**

Course Code	Course Title	Credits	Revision (%)
AUD 4101	Hybrid and Electric Vehicles	3	7%
AUDX 16	Vehicle Diagnostics	3	7%
AUDX 38	Automotive Sensors and Applications	3	7%

The syllabi of the above courses are given in **Annexure 22.6.1.**

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

Discussions:

Mr. Arul Rajkumar inquired whether the topic of "battery technology" was included in the curriculum. The Head of the Automobile Engineering Department confirmed that this topic is addressed within one of the modules.

Resolution:

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

Item 22.6.2

To consider and approve the revised Programme Educational Objectives (PEOs) and Programme Specific Outcomes (PSOs) for B.Tech. Automobile Engineering programme under Regulations 2021.

Note on Agenda:

During the 16th meeting of Board of Studies of Automobile Engineering Department, the PEOs and PSOs statements were discussed.

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

The Programme Educational Objectives (PEOs) and Programme Specific Outcome (PSOs) statements are given in **Annexure 22.6.2.**

The Academic Council may consider and approve the same.

Resolution:

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

DEPARTMENT OF MECHANICAL ENGINEERING

Item 22.7

To consider and approve the recommendations of 23rd Board of Studies of the Department of Mechanical Engineering held on 20.05.2024.

Item 22.7.1

To consider and approve the revision of Course Objectives (COBs) and Course Outcomes (COs) for the course "MED 4211 Project Work" of B.Tech. Mechanical Engineering under Regulations 2021.

Note on Agenda:

In the 23rd meeting of Board of Studies of Mechanical Engineering Department, the

revision of Course Objectives (COBs) and the Course Outcomes (COs) for the course "MED 4211 Project Work" were deliberated, considering the impact of this course in the assessment of course and programme outcomes.

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

The revised Course Objectives (COBs) and the Course Outcomes (COs) for the course "MED 4211 Project Work" are given in **Annexure 22.7.1.**

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

Resolution:

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

Item 22.7.2

To consider and ratify the revision of Course Objectives (COBs) and Course Outcomes (COs) for the courses "MED 3105 Internship I" and "MED 4102 Internship II" of B.Tech. Mechanical Engineering under Regulations 2021.

Note on Agenda:

In the 23rd meeting of Board of Studies of Mechanical Engineering Department, the revision of Course Objectives (COBs) and the Course Outcomes (COs) for the courses "MED 3105 Internship I" and "MED 4102 Internship II" were deliberated, considering the impact of these courses in the assessment of course and programme outcomes.

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

The revised of Course Objectives (COBs) and Course Outcomes (COs) for the courses "MED 3105 Internship I" and "MED 4102 Internship II" are given in **Annexure 22.7.2.**

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

Resolution:

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

DEPARTMENT OF POLYMER ENGINEERING

Item 22.8

To consider and approve the recommendations of 17th Board of Studies of the Department of Polymer Engineering held on 17.05.2024.

Item 22.8.1

To consider and approve the revised syllabi of programme core course "PED 4101 - Mould and Die Design" (Semester VII) of B.Tech. Polymer Engineering and to include open elective course "GEDX 221 - Polymers for Different Transportation" under Regulations 2021.

Note on Agenda:

In the 17th meeting of Board of Studies of Polymer Engineering Department, the syllabi of programme core course "PED 4101 - Mould and Die Design" (Semester VII) of B.Tech. Polymer Engineering and new open elective course "GEDX 221 - Polymers for Different Transportation" to be offered to other B.Tech. programmes were deliberated.

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

a) New course introduced / proposed: Semester VII (AY 2024-25)

Course Code	Course Title	Credits
GEDX 221	Polymers for Different Transportation	3

b) Course with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision (%)
PED 4101	Mould and Die Design	3	5

The revised syllabus of the above courses are given in **Annexure 22.8.1.**

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 22.8.2

To consider and approve the revision of Course Objectives (COBs) and Course Outcomes (COs) for the course "PED 4211 Project Work" of B.Tech. Polymer Engineering under Regulations 2021.

Note on Agenda:

During the 17th meeting of Board of Studies of Polymer Engineering Department, the revision of Course Objectives (COBs) and the Course Outcomes (COs) for the course "PED 4211 Project Work" were discussed, considering the impact of this course in the assessment

of course and programme outcomes.

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

The revised Course Objectives (COBs) and the Course Outcomes (COs) for the course "PED 4211 Project Work" are given in **Annexure 22.8.2**

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 22.8.3

To consider and ratify the revision of Course Objectives (COBs) and Course Outcomes (COs) for the courses "PED 3106 Internship I" and "PED 4103 Internship II" of B.Tech. Polymer Engineering under Regulations 2021.

Note on Agenda:

In the 17th meeting of Board of Studies of Polymer Engineering Department, the revision of Course Objectives (COBs) and the Course Outcomes (COs) for the courses "PED 3106 Internship I" and "PED 4103 Internship II" were deliberated, considering the impact of this course in the assessment of course and programme outcomes.

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

The revised Course Objectives (COBs) and Course Outcomes (COs) for the courses "PED 3106 Internship I" and "PED 4103 Internship II" are given in **Annexure 22.8.3**.

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

Resolution:

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

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Item 22.9

To consider and approve the recommendations of 20th Board of Studies of the Department of Electrical and Electronics Engineering held on 17.05.2024.

Item 22.9.1

To consider and approve the revised curriculum and introduction of new open elective course "GEDX 231 Renewable Energy Engineering" and removal of open elective courses "GEDX220 Optimization Techniques" and "GEDX122 Introduction to Artificial Intelligence and Evolutionary Computing" offered by the Department of Electrical and Electronics Engineering under Regulations 2021.

Note on Agenda:

In the 20th meeting of Board of Studies of Electrical & Electronics Engineering Department, based on the dynamic needs in the Industry and emerging trends in renewable energy a new open elective course "GEDX 231 Renewable Energy Engineering," was introduced and deliberated for other B.Tech. programmes.

It is also deliberated to remove the open elective courses "GEDX 220 Optimization Techniques" and "GEDX122 Introduction to Artificial Intelligence and Evolutionary Computing", based on the suggestions given by the Expert members during the 21st meeting of Academic Council held on 20.12.2023.

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

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

Course Code	Course Title	Credits
GEDX 231	Renewable Energy Engineering	3

The revised curriculum and syllabus of the open elective course "GEDX 231 Renewable Energy Engineering is given in **Annexure 22.9.1.**

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.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 22.10

To consider and approve the recommendations of the 26th Board of Studies of the Department of Electronics and Communication Engineering held on 13.05.2024.

Item 22.10.1

To consider and approve the syllabi of programme core and professional elective courses (Semester V – VIII) of B.Tech. Electronics and Computer Engineering under Regulations 2021.

Note on Agenda:

During the 26th meeting of Board of Studies of Electronics & Communication Engineering Department, the detailed syllabi of (V - VIII semester) courses offered to B.Tech. (Electronics and Computer Engineering) were thoroughly discussed.

Following the deliberations, the Board has recommended the same for approval in the Academic Council.

a) New courses Introduced / Proposed: Semester V to VIII (AY 2024-25 and 2025-26)

Course Code	Course Title	Credits	Core/ Elective	Semester
ESD 3101	Analog and Digital Communication	4	Core	V
ESD 3102	VLSI Design	3	Core	V
ESD 3103	Compiler Design	3	Core	V
ESD 3104	Computer Network	3	Core	V
ESD 3105	VLSI Laboratory	1	Core	V
GED 3101	Communication Skills for Career Success	1	Core	V
ESD 3108	Internship I	1	Core	V
ESD 3201	Embedded Systems Design	3	Core	VI
ESD 3202	Embedded Systems Laboratory	1	Core	VI
ESD 4101	IoT and cloud computing	3	Core	VII
ESD 4102	Internship II	1	Core	VII
ECD 4201	Project Work	9	Core	VIII
ESDX 011	Digital Image and Video Processing	3	PE	V
ESDX 012	Control Systems	3	PE	V
ESDX 013	Introduction to PCB design	3	PE	V
ESDX 014	Principles of Robotics	3	PE	V
ESDX 015	ARM architecture and Programming	3	PE	VI
ESDX 016	Mechatronics	3	PE	VI
ESDX 017	Automotive Networking and protocols	3	PE	VI
ESDX 018	Wireless and Mobile Communication	3	PE	VI
ESDX 019	Introduction to Embedded Linux	3	PE	VI

ESDX 020	Introduction to RTOS	3	PE	VII
ESDX 021	Nanoelectronics	3	PE	VII
ESDX 022	Multicore Architecture and Parallel Programming	3	PE	VII
ESDX 023	Autonomous Vehicle	3	PE	VII
ESDX 041	Machine Learning	3	PE	V
ESDX 042	Theory of Computation	3	PE	V
ESDX 043	Data Science	3	PE	V
ESDX 044	Web Technology	3	PE	V
ESDX 045	Introduction to Industry 4.0	3	PE	V
ESDX 046	Cryptography and Network Security	3	PE	VI
ESDX 047	Artificial Intelligence	3	PE	VI
ESDX 048	Edge Computing	3	PE	VI
ESDX 049	Computer Vision	3	PE	VI
ESDX 050	Deep Learning	3	PE	VI
ESDX 051	GPU architecture and Programming	3	PE	VII
ESDX 052	Software Engineering	3	PE	VII
ESDX 053	Pattern Recognition	3	PE	VII
ESDX 054	Natural Language Processing	3	PE	VII
ESDX 055	Prompt Engineering	3	PE	VII
ESDX 056	Block chain Technology	3	PE	VII
ESDX 057	Mobile Multimedia Systems	3	PE	VII
ESDX 058	Data Mining and Data Warehousing	3	PE	VII
ESDX 059	XML and Web services	3	PE	VII
ESDX 060	Multimedia Communication and Networking	3	PE	VII
ESDX 061	Augmented Reality and Virtual Reality	3	PE	VII
ESDX 062	Quantum Computing	3	PE	VII

The detailed syllabi of (V - VIII semester) courses offered to B.Tech. (Electronics and Computer Engineering) is given in **Annexure 22.10.1.**

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

Discussions:

Dr. Ranjani Parthasarathy inquired whether the syllabus was the same as that of the Electronics and Communication Engineering program. The Head of the Electronics and

Communication Engineering Department responded, noting that there is a roughly 20% difference between the two syllabi.

Resolution:

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

Item 22.10.2

To consider and approve the revised curriculum and syllabus of Professional elective course "ECDX 065 Quantum Computing" for the B.Tech. ECE under Regulation 2021.

Note on Agenda

The professional elective course "ECDX 065 Quantum Computing" applicable to all streams (RF Communication and Signal Processing, VLSI & Embedded Systems, Artificial Intelligence and Machine Learning, Automotive Electronics & Robotics) in VII Semester B.Tech. ECE programme was discussed during the Board of Studies meeting of ECE Department.

Following these discussions, the Board has recommended the same for approval in the Academic Council.

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

Sl. No.	Course Group	Course Code	Course Title	Credits
1.	PEC	ECDX 065	Quantum Computing	3

The revised curriculum and syllabus of the professional elective course "ECDX065-Quantum Computing" is given in **Annexure 22.10.2.**

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 22.10.3

To consider and approve the revised curriculum and syllabus of Professional Elective course "ECEY 065 – Advanced Radiation Systems" for M.Tech. VLSI &

Embedded Systems programme under Regulations 2022.

Note on Agenda

The professional elective course "ECEY 065 Advanced Radiation Systems" of III semester M.Tech. VLSI & Embedded Systems was discussed in the Board of Studies meeting of ECE Department.

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

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

Sl. No.	Course Group	Course Code	Course Title	Credits
1.	PEC	ECEY 065	Advanced Radiation Systems	3

The revised curriculum and syllabus of the Professional elective course "ECEY065 Advanced Radiation Systems**"** is given in **Annexure 22.10.3.**

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 22.10.4

To consider and approve the revised curriculum and syllabus of new Open Elective course "GEDX 130 Graphical Programming Based System Design" offered by the department of ECE to other B.Tech. Programmes in VII Semester under Regulation 2021.

Note on Agenda:

By considering the current technological development and industry need, the following open elective course is offered by the "ECE department" to other branches of B.Tech. programmes under R2021 was deliberated in the Board of studies meeting.

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

a) New courses introduced / proposed: Semester VII

Sl. No.	Course Group	Course Code	Course Title	Credits
1.	OEC	GEDX 130	Graphical Programming Based System Design	3

The revised curriculum and syllabus of "GEDX 130 - Graphical Programming Based System Design" is given in **Annexure 22.10.4.**

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.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Item 22.11

To consider and approve the recommendations of 21st Board of Studies of the Department of Electronics and Instrumentation Engineering held on 15.05.2024.

Item 22.11.1

To consider and approve the revision in the course outcomes of the programme core and professional elective courses (IV semester) of B.Tech. Electronics and Instrumentation Engineering under Regulations 2021.

Note on Agenda:

Based on the suggestions given by the faculty members, the outcomes of the following courses were modified and discussed in the 21st meeting of Board of Studies of Electronics and Instrumentation Engineering Department. After deliberations, the Board has recommended the same for approval in the Academic Council.

a) **List of Courses : Semester IV &V (AY 2024-25)**

Course Code	Course Title	Semester
EID2201	Industrial Instrumentation I	IV
EID2204	Python for Instrumentation Engineers	IV
EID2205	Industrial Instrumentation I Laboratory	IV
EID 2202	Control system	IV

EIDX 21	Control System Components	IV
EID 3105	Industrial Instrumentation II Laboratory	IV

The revised course outcomes of the above courses of B.Tech., Electronics and Instrumentation Engineering are given in **Annexure 22.11.1.**

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.

Item 22.11.2

To consider and approve the revision in syllabus in the programme core and professional elective courses of B.Tech. Electronics and Instrumentation Engineering under Regulations 2021.

Note on Agenda:

Based on the suggestions given by the faculty members, the revision in the syllabus of the programme core and professional elective courses were deliberated in the 21st meeting of Board of Studies of Electronics and Instrumentation Engineering Department. After deliberations, the Board has recommended the same for approval in the Academic council.

a) Courses with syllabus revisions:

Course Code	Course Title	Semester	Credits	Revision (%)
EID1203	Electron Devices and Network Synthesis Laboratory	II	1	30
EID2201	Industrial Instrumentation I	IV	3	5
EID3102	Industrial Instrumentation II	V	3	5
EID3104	Process Control Laboratory	V	1	30
EID3105	Industrial Instrumentation II Laboratory	V	1	15
EIDX10	Safety Instrumentation	VII	3	5

The revised syllabus of the above courses of are given in **Annexure 22.11.2.**

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 COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 22.12

To consider and approve the recommendations of 23rd Board of Studies of the Department of Computer Science and Engineering held on 09.05.2024 and 02.09.2024.

Item 22.12.1

To consider and approve the revised curriculum and syllabi of professional elective courses (Semester IV – VII) and one programme core course (Semester VII) of B.Tech. Artificial Intelligence and Data Science under Regulations 2021.

Note on Agenda:

Based on the suggestions given by the Academic Experts and Faculty members, the following programme core and professional elective courses (Semester IV – VII) were newly introduced.

Based on the dynamic needs in the industry, the courses "CSDX 529 Emotional Intelligence" and "CSDX 522 - Computer Vision (Renamed as Visual Data Analysis and Machine perception)" were revised in B.Tech. AI&DS.

The syllabi of above courses were discussed during the 23rd meeting of Board of Studies of Computer Science and Engineering Department.

Following the discussions, the Board has recommended the same for approval in the Academic council.

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

S.No.	Sem	Course Group	Course Code	Course Title	Credits
1.	IV	PEC	CSDX 602	Knowledge Management	3
2.	IV	PEC	CSDX 605	Open Source Tools for AI & Data Science	3
3.	IV	PEC	CSDX 606	R Programming for Artificial Intelligence and Data Science	3
4.	IV	PEC	CSDX 607	Artificial Intelligence in Data Analytics	3

				Detective Database and Logic Programming	
5.	V	PEC	CSDX 505		3
6.	V	PEC	CSDX 512	Agriculture Data Analytics	3
7.	V	PEC	CSDX 513	Intrusion Detection & Data Analytics	3
8.	VI	PEC	CSDX 629	Exploratory Data Analysis	3
9.	VII	PCC	CSD 4151	Applied Artificial Intelligence	3
10.	VII	PEC	CSDX 535	Malware Analysis in Data Science	3
11.	VII	PEC	CSDX 536	Image & Video Analytics	3
12.	VII	PEC	CSDX 537	Bayesian Data Analysis	3
13.	VII	PEC	CSDX 538	Feature Engineering	3
14.	VII	PEC	CSDX 539	Distributed Computing for Artificial Intelligence and Data Science	3
15.	VII	PEC	CSDX 540	Secure Data Science	3

b) Courses with syllabus revisions (proposed):

Course Code	Sem	Course Title	Credits	Revision (%)
CSDX 529	V	Emotional Intelligence	3	25
CSDX 522	VII	Visual Data Analysis and Machine Perception	3	10

The revised curriculum and syllabi of the above courses are given in **Annexure 22.12.1.**

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

Resolution:

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

Item 22.12.2

To consider and ratify the revised curriculum and syllabi of programme core and professional elective courses (Semester IV & VI) of B.Tech. Artificial Intelligence and Data Science under Regulations 2021.

Note on Agenda:

In the 23rd meeting of Board of Studies of Computer Science and Engineering Department, the syllabi of following programme core and professional elective courses of B.Tech. Artificial Intelligence and Data Science (semester IV & VI) were discussed. In order to cope up with current industrial demands, the following new courses were introduced.

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

a) New courses (ratified): Semester IV & VI (AY 2023-24)

S.NO.	SEM	Course Group	Course Code	Course Title	Credits
1.	IV	PEC	CSDX 604	Ethics In Artificial Intelligence & Data Science	3
2.	IV	PEC	CSDX 608	Data Science For Intelligent Gaming System	3
3.	VI	PCC	CSD 3252	IoT And Embedded Systems	3
4.	VI	PCC	CSD 3255	Software Tools And Techniques Laboratory	1
5.	VI	PEC	CSDX 627	Generative Artificial Intelligence	3

The revised curriculum and syllabi of the courses (IV & VI semester) of B.Tech. Artificial Intelligence and Data Science are given in **Annexure 22.12.2.**

The Academic Council may consider and ratify the same for implementation from the even semester of academic year 2023-24.

Resolution:

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

Item 22.12.3

To consider and approve the revised curriculum and syllabi (I and II semester) of M.Tech.(CSE) programme under Regulations 2022.

Note on Agenda:

In the 23rd meeting of Board of Studies of Computer Science and Engineering Department, the revised curriculum and syllabi (I and II semester) of M.Tech.(CSE) were thoroughly discussed, to offer M.Tech. CSE programme in collaboration with Industry.

In M.Tech. CSE, the elective course "CSEY 023 - Advanced Blockchain Technology" was also revised.

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

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

S.No.	Sem	Course Group	Course Code	Course Title	Credits
1.	I	PCC	CSE 6151	Edge Engineering	4
2.	I	PCC	CSE 6152	Programming for Data Analysis	3
3.	I	PCC	CSE 6153	Edge Engineering Lab	1
4.	I	PCC	CSE 6154	Programming Lab	2
5.	I	PEC	CSEY 101	Java Programming for IoT Applications	3
6.	I	PEC	CSEY 102	.Net programming for IoT Applications	3
7.	I	HSC		Professional Skills I	1
8.	II	PCC	CSE 6161	IoT Middleware and Data Engineering	3
9.	II	PEC	CSEY 111	Application Architecture and Deployment	3
10.	II	PEC	CSEY 112	Embedded Programming	3
11.	II	HSC		Professional Skills - II	1
12.	II	PCC	CSE 6162	IoT Middleware and Data Engineering Lab	2
13.	II	PEC	CSEY 113	Embedded Programming Lab	1

b) Courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision (%)
CSEY 023	Advanced Blockchain Technology	3	20

The revised curriculum and syllabi of the courses (I & II semesters) M.Tech.(CSE) programme to be offered in collaboration with Industry under R 2022 are given in **Annexure 22.12.3.**

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

Discussions:

Mr. Arul Rajkumar inquired about the reasons for the significant changes in the curriculum and syllabus of the M.Tech. (CSE) programme. The Head of the CSE Department responded, explaining that the programme will now be offered in collaboration with M/s. LTI Mindtree as an industry-integrated M.Tech. program, aimed at enhancing employment opportunities with higher pay. Additionally, it was noted that students will complete their first year at Crescent and their second year at LTI Mindtree, as per the MoU signed with M/s. LTI Mindtree, Chennai.

Mr. Rakeeb raised the point that "production management skills" are currently trending in industries and asked whether a course on production management is included. He also inquired if a course on "mobile app development" is offered. The Head of CSE explained that interested students receive special attention after regular hours and are encouraged to pursue a value-added course on mobile app development.

Resolution:

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

DEPARTMENT OF INFORMATION TECHNOLOGY

Item 22.13

To consider and approve the recommendations of the 19th Board of Studies of the Department of Information Technology held on 22.05.2024.

Item 22.13.1

To consider and approve the revised curriculum and introduction of new professional elective courses of B.Tech. Information Technology under Regulations 2021.

Note on Agenda:

As per the suggestions of expert members of the School Level Advisory committee (SLAC meeting conducted on 27th March 2024) and feedback from Staff members of IT department, it was proposed to include the following professional elective courses in the curriculum of B.Tech. Information Technology. The courses were deliberated in the Board of Studies meeting of IT Department.

After deliberations, the Board has recommended the same for approval in the

Academic council.

a) New Elective courses introduced:

(Under the specialization of Data Science and AI)

Semester	Course Code	Course Title	Credits
V	ITDX 55	Machine Learning Using R	3
VI	ITDX 56	Deep Learning Using R	3
VI	ITDX 57	Generative AI using PyTorch	3

b) New Elective courses introduced:

(Under the specialization of Information Technology Applications)

Semester	Course Code	Course Title	Credits
VII	ITDX 20	Full Stack Development	3
VII	ITDX 21	UI and UX Design	3

The revised curriculum and syllabi of the above elective courses are given in **Annexure 22.13.1.**

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

Discussions:

Dr. Ranjani Parthasarathy posed a question to both the IT and CSE departments, inquiring whether a "Prompt Engineering" course is offered. The Head of the IT Department responded that this suggestion would be taken into consideration during the upcoming Board of Studies (BoS) meeting.

Resolution:

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

DEPARTMENT OF COMPUTER APPLICATIONS

Item 22.14

To consider and approve the recommendations of 20ᵗʰ Board of Studies of the Department of Computer Applications held on 17.05.2024

Item 22.14.1

To consider and approve the syllabi of programme core and professional courses (Semester V & VI) of BCA programme with specialization in Artificial Intelligence under Regulations 2021.

Note on Agenda:

Based on the dynamic needs in the Industry and suggestions given by the external expert members, the syllabi of the following programme core and professional courses (Semester V – VI) were thoroughly discussed during the 20th meeting of Board of Studies of Computer Applications Department.

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

a) New courses introduced: Semester V & VI (AY 2024-25)

Sl. No.	Course Code	Course Title	Credits
1.	CADX 124	**Technology Core** Computer Vision	3
2.	CADX 125	Natural Language Processing	3
3.	CADX 123	Introduction to Deep Learning Techniques	3
4.	CADX126	**Technology Core Lab -II** Computer Vision Laboratory	2
5.	CADX127	**Technology Core Lab -III** Natural Language Processing Laboratory	2
6.	CADX 223	Intelligent Systems	3

The curriculum and syllabi of the courses (V & VI semesters) of BCA Artificial Intelligence programme are given in **Annexure 22.14.1.**

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 22.14.2

To consider and approve the syllabi of programme core and professional courses (Semester V & VI) of BCA programme with specialization in Cyber Security under Regulations 2021.

Note on Agenda:

Based on the emerging trends and the suggestions given by expert members, the syllabi of the following programme core and professional courses (Semester V – VI) were thoroughly discussed during the 20th meeting of Board of Studies of Computer Applications Department.

Following the discussions, the Board has recommended the same for approval in the Academic council.

a) New courses introduced / proposed: Semester V &VI (AY 2024-25)

Sl. No.	Course Code	Course Title	Credits
1.	CADX 130	**Technology Core** Blockchain Technology	3
2.	CADX 129	Information Security Fundamentals	3
3.	CADX131	**Technology Core Lab** Information Security Laboratory	2
4.	CADX 228	Cyber Law	3

The curriculum and syllabi of the courses (V & VI semesters) of BCA Cyber Security programme are given in **Annexure 22.14.2.**

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 22.14.3

To consider and approve the revised curriculum and new programme elective courses for BCA & B.Sc. Programmes under Regulations 2021.

Note on Agenda:

Based on the dynamic needs in the industry and the suggestions by the external experts, the syllabi of the following Programme Elective courses were discussed in the 20th meeting of Board of Studies of Computer Applications Department

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

a) New courses introduced / proposed: Semester V &VI (AY 2024-25)

   (Professional Elective I Stream)

Sl. No.	Course Code	Course Title	Credits
1.	CADX255	Fundamentals of Block Chain Technology	3
2.	CADX256	Introduction To Data Analytics	3

The revised curriculum and syllabi of the above programme elective courses are given in **Annexure 22.14.3.**

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 22.14.4

To consider and approve the revised curriculum and syllabi of Programme Elective courses of MCA programme under Regulations 2022.

Note on Agenda:

Based on the dynamic needs in the industry and the suggestions given by external experts, the syllabi of the following Programme Elective course of MCA programme was discussed in the 20th meeting of Board of Studies of Computer Applications Department.

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

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

(Professional Elective III)

Sl. No.	Course Code	Course Title	Credits
1.	CAEY 360	Development and Operations	3

The revised curriculum and syllabi of the above course are given in **Annexure 22.14.4.**

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 22.14.5

To consider and approve the syllabi of Open Elective courses for B.Tech. Programmes under Regulations 2021.

Note on Agenda:

In order to enhance the employment opportunities and the suggestions given by external experts the syllabi of the following Open Elective courses under R 2021 were deliberated during the 20th meeting of Board of Studies of Computer Applications Department.

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

a) New courses introduced / proposed: Semester VI &VII (AY 2024-25)

Sl. No.	Course Code	Course Title	Credits
1.	GEDX 203	Big Data Analytics	3
2.	GEDX 106	Cloud Services and Management	3
3.	GEDX 311	Customer Relationship Management Analytics	3
4.	GEDX 215	Introduction to Health Care Analytics	3
5.	GEDX 230	Web Application Development	3

The syllabi of the above open elective courses for B.Tech. programme are given in

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.

DEPARTMENT OF PHYSICS

Item 22.15

To consider and approve the recommendations of the 14ᵗʰ meeting of board of studies of the Department of Physics held on 07.06.2024.

Item 22.15.1

To consider and approve the syllabus of "PHE 1184 – Physics" course for B.Sc. (Aviation) programme under Regulations 2021.

Note on Agenda:

Based on the recommendations given by the External experts and the Board of Studies members of the Aerospace department, a new syllabus for "PHE 1184 – Physics" (I-Semester) course is framed for B. Sc. Aviation programme and it was discussed in the Board of Studies meeting of Physics department.

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

The syllabi of the above course is given in **Annexure 22.15.1.**

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 22.15.2

To consider and approve the inclusion of new Open Elective Courses "Nuclear Hazard and Disarmament" for B.Tech. programmes and "Introduction to Quantum Computing for Engineers" for M.Tech. / M.Sc. Programmes and inclusion of two open elective courses for M.Sc. Programmes.

Note on Agenda:

Based on the recommendations of the "Abdus Salam International Centre for Theoretical Physics (ICTP) Italy", a new syllabus was framed for "Nuclear Hazard and Disarmament" for B.Tech. programmes and "Introduction to Quantum Computing for Engineers" for M.Tech. / M.Sc. programmes were discussed in the Board of Studies meeting of Physics Department.

Also based on the suggestions by the external experts and faculty members the inclusion of the open elective courses "Nanoscience and Technology" and "Crystal Growth Techniques" and revision of syllabus for the following open elective courses for M.Sc. programmes were also discussed.

Following the discussions, the Board has recommended the same for approval in the Academic council.

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

GEDX 233	Nuclear Hazard and Disarmament	3
OEEY 716	Introduction to Quantum Computing for Engineers	3
OEEY 717	Nanoscience and Technology	3
OEEY 718	Crystal Growth Techniques	3

b) Courses with syllabus revisions (proposed): (AY: 2024-25)

Course Code	Course Title	Credits	Revision (%)
OEEY 731	Advanced Materials for Energy Applications	3	10
OEEY 735	Corrosion Science and Technology	3	10
OEEY 743	Thin Film Science and Technology	3	10

The revised curriculum and syllabi of the above courses are given in **Annexure 22.15.2.**

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 22.15.3

To consider and approve the revision of syllabi for the courses "PHE 6204 Materials Science Laboratory – I" & "PHE 7104 Materials Science Laboratory – II" for M. Sc. Physics programme under Regulations 2022.

Note on Agenda:

Based on the suggestion given by the external expert, few experiments in Materials Science Laboratory I and II were revised for M.Sc. Physics programme. The same was discussed in the Board of Studies meeting of Physics Department.

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

Courses with syllabus revisions (proposed): (AY: 2024-25)

Course Code	Course Title	Credits	Revision (%)
PHE 6204	Materials Science Laboratory – I	2	20
PHE 7104	Materials Science Laboratory – II	2	20

The syllabi of the above courses are given in **Annexure 22.15.3.**

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.

CRESCENT SCHOOL OF BUSINESS

Item 22.16

To consider and approve the recommendations of the 16th Board of Studies of the Crescent School of Business held on 24.05.2024.

Item 22.16.1

To consider and approve the revision in the clause 3.1 MBA Regulations 2021

Note on Agenda:

In the 16th meeting of the Board of Studies of Crescent School of Business, the revision in clause 3.1 pertaining to maximum period for completion of the MBA Programme was discussed.

After deliberations, the maximum period for completion of the MBA Programme was revised from 6 semesters to 8 semesters, in alignment with other PG Programmes of the Institute. The Board has recommended the same for approval in the Academic Council.

The existing and revised clause 3.1 of MBA Regulations 2021 is given in **Annexure 22.16.1.**

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

Resolution:

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

Item 22.16.2

To consider and ratify the clause 9.1 and inclusion of new clause 10.1.1 in MBA Regulations 2021

Note on Agenda:

During the 16th meeting of the Board of Studies of Crescent School of Business, the clause 9.1 regarding minimum requirement for enrolling in the final semester (Project semester) was deliberated. To better support students' career progression, the minimum credit requirement for enrolling in the final semester was changed from 60 to 45 (as approved by the Vice Chancellor vide letter dated 19.03.2024).

Additionally, to align with the attendance requirements of other PG programmes of the Institute, a new clause 10.1.1 relating to the attendance percentage has been introduced.

After deliberations, the Board has recommended the same for ratification in the Academic Council.

The existing and revised clause 9.1 and inclusion of new clause 10.1.1 of MBA Regulations 2021 are given in **Annexure 22.16.2.**

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

Resolution:

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

Item 22.16.3

To consider and ratify the revised guidelines for the courses 'MSE 7102 - Summer Internship' and 'MSE 7201 - Project work' of MBA Regulations 2021

Note on Agenda:

In the 16th meeting of the Board of Studies of Crescent School of Business, the minor improvement in the guidelines for the courses 'MSE 7102 - Summer Internship' and 'MSE 7201 - Project work' of MBA Regulations 2021 was discussed.

After deliberations, the Board has recommended the same for ratification in the Academic Council.

The revised guidelines of the above courses are given in **Annexure 22.16.3 (A) and 22.16.3 (B).**

The Academic Council may consider and ratify the same for implementation from the AY 2023-24.

Resolution:

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

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

DEPARTMENT OF COMMERCE

Item 22.17

To consider and approve the recommendations of the 20th Board of Studies of the Department of Commerce held on 22.04.2024.

Item 22.17.1

To consider and approve the syllabi of programme core and professional elective courses (Semester V – VI) of B.Com. Professional Accounting under Regulations 2021.

Note on Agenda:

In the 20th meeting of Board of Studies of Department of Commerce, the syllabi of the following programme core and professional elective courses (Semester V & VI) were discussed. After deliberations, the Board has recommended the same for approval in the Academic council.

a) New courses introduced / proposed: Semester V & VI (AY 2024-2025)

Course Code	Course Title	Credits
COD 3102	Goods and Services Tax	4
COD 3151	International Taxation-II	4
COD 3152	Financial Management	4
CODX 521	Basics of Human Resource Management	4
CODX 522	Basics of Organisational Behaviour	4
CODX 523	Strategic management	4

CODX 551	Enterprise Resource Planning	4
CODX 561	Forensic Accounting and Fraud Detection	4

The curriculum and syllabi of the courses (V & VI semesters) of B.Com. (Professional Accounting) are given in **Annexure 22.17.1.**

The Academic Council may consider and approve the same for implementation from the academic year 2024-2025.

Resolution:

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

Item 22.17.2

To consider and approve the syllabi of open elective courses offered to B.Tech. Programmes under Regulations 2021.

Note on Agenda:

In the 20th meeting of Board of Studies of Department of Commerce, the syllabi of the following open elective courses offered by the Department of Commerce to all B.Tech. programmes were deliberated. Following the discussions, the Board has recommended the same for approval in the Academic council.

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

Course Code	Course Title	Credits
GEDX 228	Value Education	3
GEDX 126	Personal Finance and Investment	3

The syllabi of the above open elective courses are given in **Annexure 22.17.2.**

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 22.18

To consider and approve the recommendations of 10th Board of Studies of the Crescent School of Law held on 19.07.2024.

Item 22.18.1

To consider and approve the revised curriculum and syllabi of the professional core courses in the B.B.A., LL.B (Hons.) and B.A., LL.B (Hons.) programmes under Regulations 2019 .

Note on Agenda:

In the 10th meeting of Board of Studies of Crescent School of Law, the syllabi of the following programme core courses (Semester VII – VIII) under R 2019 were deliberated.

Based on recent legislative changes, including the transition from the Criminal Procedure Code to the Bharatiya Nagarik Suraksha Sanhita, 2023, the following new courses have been introduced. These courses aim to equip the students with the knowledge and skills required to navigate the modernized criminal justice system.

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

a) New courses introduced / proposed: Semester VII & VIII (AY 2024-25)

Course Code	Course Title	Credits
BLD 4106	Law relating to Criminal Procedure-I (BNSS-I)	4
BLD 4205	Law relating to Criminal Procedure-II (BNSS-II)	4

The revised curriculum and syllabi of the above courses are given in **Annexure 22.18.1.**

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

Discussions:

Mr. Arul Rajkumar inquired whether topics related to cyber-crimes and cyber security threats are included in the curriculum. The Dean of the School of Law responded that courses covering cyber-crimes are part of the LLM program.

Resolution:

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

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SCHOOL OF ARABIC AND ISLAMIC STUDIES

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Item 22.19

To consider and approve the recommendations of 17th Board of Studies of the School of Arabic and Islamic Studies held on 25.07.2024.

Item 22.19.1

To consider and approve the revised curriculum and syllabi of programme core (Semester - II) of B.A. Islamic Studies under Regulations 2021 and programme core (Semester-IV) of M.A. Islamic Studies under Regulations 2022.

Note on Agenda:

In the 17th meeting of Board of Studies of School of Arabic and Islamic Studies, the syllabi of the following programme core courses (Semester II) of B.A. Islamic Studies & Semester IV of M.A. Islamic Studies were discussed.

After deliberations, the Board has recommended for replacement of "ISD 1212 – Advanced Communicative English" with ISD 1218 English Language II in the second Semester to enhance the literature content.

a) New courses introduced / proposed: B.A Semester II (AY 2024-25)

Course Code	Course Title	Credits
ISD 1218	English Language II	3

b) Courses with syllabus revisions (proposed): MA Semester IV (AY 2024-25)

Course Code	Course Title	Credits	Revision (%)
ISD 7213	Research Article Writing	3	20

The revised curriculum and syllabi of the above courses are given in **Annexure 22.19.1.**

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

Resolution:

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

Item 22.19.2

To consider and ratify the revised curriculum and syllabi of programme core & professional elective courses (Semester I & III) of B.A. Islamic Studies under Regulations 2021.

Note on Agenda:

In the 17th meeting of Board of Studies of School of Arabic and Islamic Studies, the syllabi of the following programme core and professional elective courses of (I & III semesters) of B.A. Islamic Studies were discussed. The deliberations were conducted with a focus on enhancing student career prospects and employability, with input from academic experts, faculty members and students.

After deliberations, the Board has recommended for replacement of "ISD 1102 – Communicative English" with ISD 1108 English Language I in the first Semester to enhance the literature content.

a) New courses: Semester I & III (AY 2024-25)

Course Code	Course Title	Credits
ISD 1108	English Language I	3

b) Courses with syllabus revisions:

Course Code	Course Title	Credits	Revision (%)
ISD 1106	Basic Arabic Grammar	3	20
ISDX 02	Arabic Rhetoric	3	20
ISD 2122	Progressive Communicative Arabic	3	20

The revised curriculum and syllabi of the courses (I & III semesters) of B.A. Islamic Studies are given in **Annexure 22.19.2.**

The Academic Council may consider and ratify the same for implementation from the odd semester of academic year 2024-25.

Resolution:

After deliberations, the above item was ratified for implementation from the odd semester of academic year 2024-25.

Any other suggestions/ discussions:

Before concluding, the members made the following suggestions:

- **Mr. Arul Rajkumar** appreciated the evolving syllabus that aligns with industry demands. He recommended offering a course on "Site Reliability Engineering," a concept pioneered by Google.

- **Dr. Ranjani Parthasarathy** proposed the introduction of courses on "Universal Human Values" (UHV), as recommended by AICTE/UGC. She suggested including UHV-I in the student induction program and UHV-II in the higher semester as a common course across all disciplines.

- **Dr. Abudhahir**, the IQAC Director, informed the members that the NBA has adopted the Graduate Attributes of the Washington Accord. He emphasized the need to update the attribute "Engineering Knowledge" to "Lifelong Knowledge" and proposed revising the graduate attributes for each program. He also urged the Heads of Departments (HODs) to align their program curricula with the National Credit Framework (NCRF) parameters and to meet the requirements for adopting the NEP 2020 initiatives of the UGC, recommending a thorough revision in the upcoming academic year.

- **Mr. Rakeeb** expressed his appreciation and emphasized the importance of discipline and personal habits among students. He also inquired about the provision of soft skills training for students. The Dean, Academic Affairs responded that the current curriculum includes five one-credit courses, in addition to the training provided by the Placement Training Cell.

- **Mr. Rakeeb** further inquired whether special attention is given to enhancing language and communication skills. He suggested offering remedial classes in regional languages and assigning mentors to monitor the progress of slow learners. The Dean of Academic Affairs informed the members about the support mechanisms in place at the institute for slow learners.

Vote of thanks by the Registrar

The Registrar expressed gratitude to all members of the Academic Council who attended both online and in person, acknowledging their valuable suggestions and recommendations. He also commended the team from the office of Dean of Academic Affairs for the thorough presentation of agenda items and management of other logistics. Additionally,

he extended his appreciation to the Deans, Directors, Heads of Departments, and all other members for their active participation and cooperation in the conduct of Academic council meeting. The meeting concluded with a note of thanks from all members.

REGISTRAR

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