



Minutes of

24th ACADEMIC COUNCIL MEETING

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

held on

26th August 2025

Minutes of 24th meeting of Academic Council

Date: 26.08.2025

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. Ranjani Parthasarathy, Former Professor, Department of IST, Anna University, Chennai. (Attended through Online)
6. Dr. Bashir Alam, Professor, Dept. of Computer Engineering, Jamia Millia Islamia (A Central University), New Delhi. (Attended through Online)
7. Mr. Vijesh Vijayan, Chief Executive Officer & Managing Director, Caveo Infosystems India Pvt. Ltd, Chennai
8. Dr. Sivakumar G, Head of campus to corporate program and chief mentor for six sigma, Vision Excellence Consulting Private Limited, Chennai.
9. Mr. K. Rakeeb Mohamed Mubeen, Product Head – Zoho Desk, Zoho Corporation Pvt. Ltd. Tenkasi.
10. Dr. S. Kaja Mohideen, Controller of Examinations
11. Dr. M. Mohamed Ismail, Dean (Academic Affairs)
12. Dr. J. Revathy, Dean (Academic Research)
13. Dr. Syed Mohamed Abdul Majeed, Professor & Director (Admissions)
14. Dr. A. Abudhahir, Professor & Director (IQAC)
15. Dr. Karthikeyan Ramalingam, Dean (Student Affairs)
16. Dr. M.S. Haji Sheik Mohammed, Dean (School of Infrastructure)
17. Dr. H. Siddhi Jailani, Dean (School of Mechanical Sciences)
18. Dr. C. Tharini, Dean (School of Electrical & Communication Sciences)
19. Dr. Sharmila Sankar, Dean (School of Computer, Information and Mathematical Sciences)
20. Dr. S. Hemalatha, Dean (School of Life Sciences)
21. Ar. G. Jayalakshmi, Dean (Crescent School of Architecture)
22. Dr. S. Kutt Rani, Dean in charge (School of Physical and Chemical Sciences)
23. Dr. Ayub Khan Dawood, Dean, School of Social Sciences and Humanities

24. Dr. Y. Ismail, Dean in charge (Crescent School of Pharmacy)
25. Dr. C. Chockalingam, Dean (Crescent School of Law)
26. Dr. A. Abdul Hai Hasani Nadwi, Dean (School of Arabic & Islamic Studies)
27. Dr. K. Srinivasan, Dean (Crescent School of Business)
28. Dr. M.S. Irfan Ahmed, Deputy Registrar – Administration
29. Mr. M. Parvez Alam, Executive Director - (CIIC),
30. Dr. Ganesh. K, Director, Career Development Centre (CDC) & Industry Relations
31. Dr. A.S. Selva Kumar, Head, Mechanical Engineering
32. Dr. M. Magesh, Head, Dept. of Aerospace Engineering
33. Dr. P.D. Jeyakumar, Head, Dept. of Automobile Engineering
34. Dr. Basanta Kumar Behera, Assistant Professor (Sr. Gr.), Dept. of Polymer Engineering
35. Dr. S. Jennathu Beevi, Head, Department of Electrical and Electronics 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. G. Kannan, Head, Department of Electronics and Communication Engineering
39. Dr. N. Prakash, Head, Department of Information Technology
40. Dr. Sindhu J. Kumar, Head, Department of Mathematics and AS
41. Dr. M. Syed Masood, Head, Dept. of Computer Application
42. Dr. S.K.G. Ganesh, Head, Department of Management Studies
43. Dr. S. Sathik Basha, Head, Department of Physics
44. Dr. P Rathna, Head, Department of English
45. Dr. K. Soundarapandian, Head, Department of Commerce
46. Dr. R. Radhai, Head, Department of Public Policy
47. Dr. S. Rasool Mohideen, Professor, Dept. of Mechanical Engineering
48. Dr. A. Jaya, Professor, Dept. of Computer Applications
49. Dr. Latha Tamilselvan, Professor, Dept. of Information Technology
50. Dr. R. Jayashree, Professor, Department of Electrical and Electronics Engineering
51. Dr. P. Gajalakshmi, Professor, Dept. of Civil Engineering
52. Dr. S. Pakkir Mohideen, Professor, Department of Computer Applications
53. Dr. I. Sathik Ali, Professor, Department of Information Technology
54. Dr. N. Sabiyath Fatima, Professor, Department of Computer Science and Engineering
55. Dr. C. D. Nandha Kumar, Associate Professor, Department of Mathematics & AS
56. Dr. S.P. Valli, Associate Professor, Department of Computer Science & Engineering
57. Dr. Nabeena Ameen, Assistant Professor (Sel.Gr), Dept. of Information Technology
58. Mr. H. Hasan Babu, Assistant Professor (Sr. Gr.), Department of ECE,
59. Dr. P. Panneerselvam, Librarian

60. Mr. Shriharish V, III year B.Tech. AI&DS, RRN: 230171601175

61. Ms. Sarafathima Syed Hameed, II year, B.Com.(Hons.), RRN: 241451601044

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. Vijesh Vijayan, Chief Executive Officer & Managing Director, Caveo Infosystems India Pvt. Ltd, Chennai and Dr. Sivakumar G, Head of campus to corporate program and chief mentor for six sigma, Vision Excellence Consulting Private Limited, Chennai, 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 28th February 2025 till date.

I. ACADEMIC ACTIVITIES

- The Odd semester of the Academic Year 2025-26 commenced from 14th July 2025 for all the programs.
- The Inauguration of Students' Induction Programme for B.Tech. freshers of the Academic Year 2025–26 was conducted on 21st and 22nd August 2025. The Inauguration of the First-Year Postgraduate Programmes (M.Tech., M.C.A., M.Sc., M.Pharm., LL.M., M.A., and M.Com.) was held on 20th August 2025.
- 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).
- The total no. of courses configured in the E-learning portal of Crescent Mastersoft ERP for the even semester (AY 2024-25) is listed below.

S. No.	Description	Number
1	No. of courses enrolled	946
2	No. of courses configured	1447

- 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 2024-25 are:

Details	IIT Bombay – Spoken Tutorial	SWAYAM / NPTEL courses
	Even semester 2024-25	Even semester 2024-25
Total number of courses enrolled	83	432
Total number of faculty involved / registered	72	251
Total number of students enrolled	6119	2269
Total number of students and faculty completed successfully	4173	1394

- The details of Entrepreneurship and “Advanced Entrepreneurship” courses offered to the students of B.Tech. programmes across all disciplines in collaboration with Wadhwani foundation -NEN, Bangalore. A total of **890** students have enrolled for entrepreneurship course during even semester of Academic Year 2024-25.
- The Semester End Examinations of Even semester (AY 2024-25) for all UG and PG programmes were conducted in the month of April/May 2025. The results of the final year B. Tech programs were announced on 05.05.2025, while the results for all other UG and PG programs were released on 04.07.2025.
- For the Academic Year 2025, the total number of graduands stands at **2,568**, which includes **1,937** candidates from the Undergraduate programmes, **609** candidates from the Postgraduate programmes, and **22** scholars from the Ph.D. category.

II. MEETINGS OF STATUTORY BODIES

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

- ✓ The meeting of the 23rd meeting of Academic Council was held on 28th February 2025.
- ✓ 55th Research Board Meeting was held on 24.06.2025
- ✓ Meetings of Board of Studies of Departments and Schools were conducted during February 2025 – July 2025
- ✓ Standing Committee Meeting of 24th Academic Council conducted on 22nd August 2025.

III. INTERNAL QUALITY ASSURANCE CELL (IQAC)

National Board of Accreditation (NBA)

Based on our Self-Assessment Reports (SARs) submitted to e-NBA for accreditation for our PG Engineering Programmes - M.Tech. (Structural Engineering) and M.Tech.

(Biotechnology) on 8th October 2024 and UG Engineering programme – B.Tech (Electronics and Instrumentation Engineering) on 6th February 2025, the NBA Expert Team visited our institution on July 25-27, 2025 and evaluated the above UG and PG programmes and awaiting for the results from NBA.

International & National Rankings

THE Impact Rankings 2025:

The Office of the Director (IQAC) submitted all details, proofs, and evidences for SDG4, SDG 6, SDG 7, SDG 9, and SDG 17 on the institute's exclusive webpage for participating in THE Impact Rankings 2025 on 23rd November 2024.

Rankings Achieved:

SDG 4 - Quality Education: India: 4, Global: 23

SDG 6 - Clean Water and Sanitation: India: 4, Global: 40

SDG 7 - Affordable and Clean Energy: India: 5, Global: 32

SDG 17 - Partnerships for the Goals: India: 5, Global: 601-800

Times Higher Education World University Rankings (THE WUR) 2025:

Data submitted to THE World University Rankings 2025 across 8 categories including Arts & Humanities, Engineering, Computer Science, Business & Economics, and others.

- Achieved a **global rank** band of **1501+**.
- Secured **83rd** position **nationally**.
- **Engineering** subject ranked in the **1001–1250** band.
- Placed in the **601+** band in **Asia Rankings**.
- **Young University Rankings** 2025 – **results awaited**.

QS World University Rankings 2025:

The Office of the Director (IQAC) submitted data to the QS World University Rankings 2025 on February 13, 2024. As a result, we received the following rank bands:

- **Southern Asia: 240**
- **Asia: 751 – 800**
- **QS WUR: Sustainability 2025: 1501+**

The Dataquest - Employability Index Survey 2024 ranked our Institute as follows:

- **All India Rank: "24" - Overall**
- **All India Rank: "18" - Private**
- **All India Rank: "6" - South Zone**

The Dataquest – Digital Index ranked our Institute as follows:

- **All India Rank: "10" - Overall**
- **All India Rank: "3" - Private**
- **All India Rank: "3" - South Zone**

IV. ACADEMIC RESEARCH

(i) Admission:

Session & Year	Full-time	Part-time	Total
Jan 2025	22	89	111
July 2025	50	89	139

(ii) Research Visibility (as on 15.08.2025):

h – index (Scopus)	91
i-10 index	1017
No. of Publications (Scopus & WoS)	8100+
Total No. of Citations	54,400+
Highest Impact Factor	18.96
Average Impact Factor	2.7

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

No. of Ph.D. Degree awarded (Overall)	366
No. of Ph.D. Degree awarded (2024-25)	59
Viva – Voce completed	27
Viva – Voce awaited	16
Thesis submitted	35

(iv) Scholars & Supervisors Information:

Approved Supervisors	275
Ph.D. Scholars (on Roll)	701
B. S. Abdur Rahman Junior Research Fellow	61
B.S. Abdur Rahman Senior Research Fellow	03
Fellowships received from government agencies	07 SJGCF: 03 UGC NET JRF: 02 UGC NFOBC: 01 Lady Tata Memorial Trust: 01
Post-Doctoral Fellow	01
Earn while learn fellowships	10

V. CENTRE FOR GLOBAL OUTREACH MISSION (CGOM)

- Submitted four research projects to ICMR, ANRF ARG, and the British Council with a total funding amount of **₹7,44,29,617**.
- Signed an MoU with Kyung Hee University, South Korea on 21/08/2025.
- Conducted a brainstorming session on strategies for publishing research papers in high-impact journals with Dr. Agoramoorthy from Taiwan on 30/07/2025.
- Dr. Sivagaami Sundari Gunasekaran participated as a Visiting Scientist under the Faculty Exchange Program at Kyung Hee University, South Korea.

VI. CRESCENT INNOVATION INCUBATION COUNCIL (CIIC)

- CIIC is proud to be associated as an **Incubation Partner** with **Tamil Nadu's first startup-investor reality show, Startup Singam**. This association reflects CIIC's continuous efforts to foster entrepreneurship and create impactful opportunities for startups.
- CIIC is glad to exhibit and showcased our startups capabilities at **Umagine TN inaugurated by our Honourable Chief Minister Thiru.MK.Stalin** accompanied by Honourable Minister of IT & Digital Services Dr.PTR Palanivel Thiaga Rajan, Mr. Kumar Jayant IAS, Additional Chief Secretary, Ms. Vanitha Venugopal, CEO of iTNT Hub. Following CIIC startups demonstrated their capabilities.
- CIIC has been spotlighted as the **first Knowledge Partner by EDII-TN** under the IVP, empowering 64 startups the highest in Tamil Nadu. The award was presented by Hon'ble MSME Minister Thiru. T. M. Anbarasan, marking a milestone in CIIC's mission to fuel innovation and entrepreneurship.

VII. CAREER DEVELOPMENT CENTRE

- Placements 2025:** **39** companies participated in campus recruitment; **89** students secured offers across IT, Core Engineering, Finance, Consulting, and Emerging Technologies (Feb–July 2025).
- BSA Crescent University proudly signed an MoU with IIT Swayam Plus on **25.06.2025**.

VIII. CENTRE FOR INTERNATIONAL RELATIONS

- The Centre for International Relations (CIR) organized an Education Fair, "**Aliff Global Education Fair**" exclusively for BSACIST students on 05th February 2025 at the Convention Centre. **15 Universities from UK, USA, Switzerland, Malaysia** visited and around **310 Students** from various disciplines participated and they got one – on- one counselling and guidance from the consultants.

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

Sl. No.	Name of the Organization	Date
1.	Yestox Consulting (OPC) Pvt. Ltd	13.02.2025
2.	Stella Maris College (Dept. of Bio. Tech)	13.02.2025
3.	Space Zone Aerospace pvt. Ltd	26.03.2025
4.	State Institute of Rural Development and Panchayat Raj. Tamil Nadu, Maraimalai Nagar 603209 (Civil Engg.)	15.05.2025
5.	361 Degree Minds Consultancy Pvt Ltd	16.05.2025
6.	Larsen & Toubro Ltd	23.07.2025
7.	Veranda IAS Learning Solutions Pvt. Ltd, Chennai	07.08.2025
8.	NextWave (CSE)	07.08.2025
9.	Robotic Lab (CSE Dept.)	29.07.2025
10.	Mando pvt ltd (Mechanical Dept)	26.06.2025

X. PATENTS

There 25 patents filed, 31 published and 6 granted.

Department / School	Number of Patents Filed	Number of Patents Published	Number of Patents Granted
Civil Engineering	1	1	-
Crescent School of Architecture	6	5	5
CSE/SCIMS	-	11	-
ECE	5	4	-
Physics	1	1	-
EIE/ SECS	-	1	-
Pharmacy	1	1	-
Life science	9	6	
EEE	2	1	
Law	-	-	1
Total	25	31	6

XI. SIGNIFICANT EVENTS

- The Schools / Departments / Divisions of the institution organized around **490 events** to promote knowledge acquisition during the period 28th February 2025 to till date. The details are as follows:

Events	Number
Conference	3
Symposium	3
Seminar / Webinar	24
Orientation Programme	7
Workshop / Training programme	37
Faculty Development Programme	8
Value Added Programme	43
Guest Lecture	41
Career guidance / Awareness programme	12
Industrial Visit	67
club activities - Quiz / online competitions/	30
National Level Hackathon	1
Invited talk	24
Book chapters/ Books Published	26
Intl Conference/Journals Published	138
Outreach	1
Intra Department event	1
Meetings	24
Total	490

XII SALIENT ACHIEVEMENT OF THE DEPARTMENT/ CENTRES

- AICTE sanctioned **₹30 Lakh** for the IDEA Lab Project (18 Jan 2025), coordinated by CIIC with the Pro-Vice Chancellor as Chief Mentor, Executive Director of CIIC as Faculty Coordinator, and Director (IQAC) as Faculty Co-coordinator.
- Received the *SDG Impact Award* at the South Asia Summit on Education, UNCC Bangkok, on 24th March 2025, for pioneering contributions to green job creation through sustainable refurbishment.
- Best Architecture College (Pvt.) – Ranked 5th National, 1st State Level (IIRF)
- Best Design College (Pvt.) – Ranked 15th National, 1st State Level (IIRF)
- NIRF Ranking – 40th in Architectural Category (NIRF)
- NPTEL-SWAYAM – 3rd Place under AAA Category for Online Course Participation
- Innovation in Architecture & Design Teaching Award – Tamil Nadu (IIRF)
- IIRF Education Impact Award 2025 – At Federation for World Academics (FWA) and Education Post News (EPN) 7th Industry-Academia Annual Conclave 2024

XIII. FACULTY: ACHIEVEMENTS/ RECOGNITION

- **Dr. S. Hemalatha**, Professor & Dean, School of Life Sciences received the Fulbright Specialist Grant (USIEF, USA), secured Rs. 3,00,000 funding from TNSCST for a 6-week Bio-Entrepreneurship Training Programme, coordinated the UK Government-

funded Turing Scheme Study Mobility Programme, and led the School of Life Sciences to be recognized as the Best Department at the National Level by the Microbiologist Society of India.

- **Dr. D. Mubarakali**, Assistant professor (SLS) was conferred the Young Scientist Award 2024 by The Academy of Sciences, Chennai.
- **Dr. S. Ranjani**, Assistant Professor (SLS) was sanctioned the prestigious Prime Minister Early Career Research Grant (ANRF, 2025–2028) worth Rs. 58.9 Lakhs.
- **Dr. Vaidhegi Kugarajah**, Assistant Professor (SLS) delivered an Invited Talk at the Annual International Congress on Nanoscience & Nanotechnology, Oxford, United Kingdom.
- **Dr. A. Muthu Manokar**, Assistant Professor (Mech.) listed in the *Top 2% Researchers in the World* (Stanford & Elsevier) for 2022–2024.
- **Dr. M.S. Haji Sheik Mohammed, Dean (SOI) & Dr. V. Roopa**, Assistant Professor, (SOI) visited *Universiti Teknologi Mara, Malaysia* for collaborative research and conducted a one-day seminar (April 2025).
- **Dr. Padma Usha**, Assistant Professor (ECE) visited *CSIR-NGRI Hyderabad* for project on seismic image classification (March 2025).
- **Dr. R. Zahira, Associate professor**, (EEE) received *IEEE SPAx funding, Best Teaching Faculty & Academician Award 2025*, and *Star Organizer Award (IGEN Energathon 2025)*.
- **Dr. P. Elangovan**, Assistant Professor, (EEE) mentored winning project (\$2000, IEEE IAS-IPCSD Contest 2024) and recognized as *Certified Entrepreneurship Educator (2025)*.
- **Dr. Priya Selvamany**, Assistant Professor, (EEE) recognized as *Reviewer for IEEE International Conference (Türkiye, Aug 2025)*.
- **Dr. R. Shanthi**, Assistant Professor (CA) ranked *Top 1% Performer* in NPTEL OOP Course (Jan–Apr 2025).
- **Dr. E. Priyanka**, Assistant Professor (CSL) received *Best Teacher Award 2025*.

XV. STUDENT: ACHIEVEMENTS / REGOGNITIONS

- **Innovation & Competitions**: Visaga Varshini & Karthik Gopinath won ₹1,00,000 at *Solar Decathlon India 2025*;
- Three students from Computer applications won 2nd Prize (₹1,50,000) at *IOB Hackathon 2025*;
- The students of won ₹1,40,000 at *Expedition Unicorn*.
- **Global Exposure**: Faraz Akram (CSE AI&DS) completed *Global Academic Internship* at NUS, Singapore;

- Ms. Chenthis Kanisha (Physics) selected for *International Internship* at Xinjiang University, China.
- **Research & Projects:** Polymer students received *TNCST Project Approval* and *Best Paper Award*;
- 13 ECE student batches executed industry-supported projects with Nokia, Denvik, ASTA Innosys, and Vasthak.
- **Awards & Recognition:** Mohamed Arshad (Computer Applications) entered the *Noble Book of World Records* for Silambam;
- Ms. Sadhana (ECE) secured *Runner-up at AIU National Youth Parliament* through NCC.
- Six students of SLS received the **Best Student Award 2025** from the **Microbiologist Society of India**.
- **Cultural Excellence:** ISTD-C, the cultural team of Crescent University, clinched the *Overall Trophy at Revivals'24* in Madras Medical College.
- **Competitive Examinations**
- Eight students cleared GATE 2025 in Biotechnology

XVI. ACADEMIC SOCIAL RESPONSIBILITY (ASR)

- Organized Youth SDG Session with 17 student speakers at **IGEN Energathon 2025**.
- Contributed to the 2025-minute world record conference on energy sustainability at **IGEN Energathon 2025**.
- Conducted **Go Green Tree Plantation Drive** with Lions Club & Forest Department during March 2025.
- Social Awareness Club (CSE) visited a **Special Children's School** on World Autism Awareness Day on April 2025.
- Crescent School of Law organized a **Women Empowerment Camp** for women advocates at Chengalpet Bar Association (March 2025).
- CSL faculty delivered lecture in criminology, cyber law, and sensitization sessions for DSP trainees and police officers at the **Tamil Nadu Police Academy, Vandalur**.
- CBSE National summit 2025 was conducted in our campus on 23.08.2025 and supported as a cohost and Venue partner

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 28th February 2025 till date.

ITEMS MOVED BY THE VICE CHANCELLOR

Item 24.1.1

To confirm the Minutes of the Twenty-third meeting of the Academic Council held on 28th February 2025.

Note on Agenda:

The Twenty-third meeting of the Academic Council was held on 28.02.2025, 11.00 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 24.1.1](#)

The Academic Council may confirm the minutes.

Resolution:

The Minutes of the Twenty –third meeting of the Academic Council was confirmed.

Item 24.1.2

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

Note on Agenda:

The action taken report on the minutes of the Twenty-third meeting of the Academic Council is enclosed in [Annexure 24.1.2 \(link\)](#)

The Academic Council may consider and approve the same.

Resolution:

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

Item 24.1.3

To consider and approve the adoption of the National Education Policy (NEP) 2020 framework by extending the existing three-year regular degree programmes to four-year programmes (with Honours/ Honours with Research) from the Academic Year 2025-26; and to discontinue the existing three-year B.Com. (Honours) Programme, launching in its place a new B.Com. (International Accounting & Finance) Programme from AY 2025-26.

Note on Agenda:

In alignment with the National Education Policy (NEP) 2020, which emphasizes academic flexibility, multiple entry/exit options, and learner-centric approaches, it is proposed to implement the Multi-Entry Multi-Exit (MEME) framework in select academic programmes of our Institute from the Academic Year 2025-26.

The initiative will enable students to exit and re-enter programmes at defined stages, thereby earning qualifications at multiple levels, while also providing an opportunity to pursue Honours or Honours with Research degrees in the fourth year.

The following programmes are proposed for MEME implementation from AY 2025-26:

- **All B.Tech. Programmes (Four years with MEME options)**

The following three-year regular degree programmes are proposed to be extended to four years (with Honours), with an exit option at the end of the third year for a regular degree. Students continuing into the fourth year will be awarded an Honours / Honours with Research degree in the respective discipline:

1. **B.Com. (General)**
2. **B.Com. (Accounting and Finance)**
3. **BBA (General)**
4. **B.Com. (International Accounting & Finance)**
(to be introduced in place of the existing B.Com. (Honours))
5. **B.A. (Public Policy)**
6. **B.Sc. (Biotechnology)**

Accordingly, it is proposed to discontinue the existing three-year B.Com. (Honours) Programme and to introduce the B.Com. (International Accounting & Finance) Programme integrated with ACCA, UK curriculum from AY 2025-26.

The Academic Council may consider and approve the same.

Discussions:

Dr. Bashir Alam sought clarification regarding the provision for multiple entry options under the NEP 2020 framework. The Dean (Academic Affairs) clarified that multiple entry would be permitted based on the availability of seats. He also informed that the eligibility criteria for the MEME option have been specified in the Regulation 2025.

Resolution:

The Academic Council noted and approved the adoption of the National Education Policy (NEP) 2020 framework by extending the existing three-year regular degree programmes to four-year programmes (with Honours/ Honours with Research) from the Academic Year 2025–26. It was also resolved to discontinue the existing three-year **B.Com. (Honours)** programme and to launch a new **B.Com. (International Accounting & Finance)** programme in its place from the Academic Year 2025–26.

ITEMS MOVED BY THE DEAN (ACADEMIC AFFAIRS)

Item 24.2.1

To consider and note the mode of teaching learning process and academic schedule of the Even Semester 2024-25.

Note on Agenda:

The Institute started the academic session of the Even semester of Academic Year 2024-25 on 20.01.2025 for all UG & PG students.

The Institution meticulously prepared the academic schedule, program-wise, for the even semester of AY 2024-25. 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 **1447** courses were configured in the Mastersoft ERP portal.

The details of the academic schedule for various programmes of the even semester 2024-25 is given as follows in [Annexure 24.2.1](#).

The Academic Council may consider and note the same.

Resolution:

The agenda item was noted by the Academic Council.

Item 24.2.2

To consider and approve the Regulations 2025 of (i) B.Tech. and (ii) BA / BBA / B.Com. / BCA / B.Sc. programmes.

Note on Agenda:

It is the practice of the Institution to bring major revision in curriculum and syllabi of B.Tech. Programmes and UG arts and science programmes once in 4 years by considering the industry trends, employment opportunities and societal needs and also to satisfy the statutory authority / regulatory guidelines. This necessitates revision in regulation of programmes. The feedback given by the stakeholder's viz., student, parents, faculty, alumni, and employers over the last 4 years were also considered during the revision.

B.Tech. - Regulations 2025

The salient features of the B.Tech. Regulations 2025 are:

- Mandatory three-week induction programme is included in the first semester.

- Inclusion of mandatory non-credit courses as per AICTE and UGC guidelines.
- Two mandatory industry internship included at the end of second and third year of study.
- Two mini projects are included in fourth and seventh semester
- Eighth semester is exclusively allotted to carry out the capstone project.
- Mandatory skill based courses are integrated in the curriculum to enhance communication skills and report writing, and skills to face placement interviews / competitive examinations.
- Mandatory enrollment in professional development activities.
- Students are permitted to pursue upto 40% of the courses in a semester through SWAYAM / NPTEL and avail credit transfer.
- Introduction of Multi-Entry and Multi-Exit provisions in line with NEP 2020 guidelines.

B.A. / B.B.A / B.Com. / BCA / B.Sc. - Regulations 2025

The salient features of the regulations are

- Introduction of new structure of courses in line with UGC viz., core course, discipline specific electives, ability enhancement courses, general electives and skill based course.
- Mandatory skill based courses in the curriculum to enhance communication skills and report writing, and skills to face placement interviews / competitive examination
- Mandatory industrial visit by students at least once in a year.
- Students are permitted to pursue upto 40% of the courses in a semester through SWAYAM / NPTEL and avail credit transfer.
- Mandatory internship included in the curriculum.
- Mandatory enrollment in professional development activities
- Introduction of Multi-Entry and Multi-Exit provisions in line with NEP 2020 guidelines.

The B.Tech. Regulations 2025 and B.A. / BBA / B.Com. / BCA / B.Sc. Regulations 2025 are given in [Annexure 24.2.2\(a\) and 24.2.2\(b\)](#).

The Academic Council may consider and approve the B.Tech. Regulations 2025 and B.A. / BBA / B.Com. / BCA / B.Sc. Regulations 2025 for implementation from the Academic Year 2025-26.

Discussions:

Dr. Sivakumar G enquired whether problem-solving content and soft skills have been included in the curriculum. The Dean (Academic Affairs) confirmed that these components are incorporated. Dr. Siva Kumar G further emphasized that problem-solving techniques are

essential to ensure industry readiness.

Resolution:

After due deliberations, the Academic Council considered and approved the **B.Tech. Regulations 2025** and the **B.A. / BBA / B.Com. / BCA / B.Sc. Regulations 2025** for implementation with effect from the Academic Year 2025–26.

Item 24.2.3

To consider and approve the M.Tech. / MCA / M.Sc. / M.Com. / M.A. Regulations 2025.

Note on Agenda:

The Institution follows the best practice of effecting major revision in curriculum and syllabi of PG Programmes once in three years considering the dynamic changes in the industry, introduction of new technology and techniques, emerging trends, employment opportunities and feedback from stakeholder's viz., students, parents, faculty, alumni and employers. This necessitates bringing new regulations to accommodate the curriculum requirements and to cater the needs of the regulatory or statutory authority guidelines.

The salient features of the M.Tech. / MCA / M.Sc. / M.Com. / M.A. (R2025) are:

- Mandatory courses on “English for Career Development” and “Research Methodology and IPR”
- Mandatory Internship in Industry / Eminent academic institution / R & D labs
- A mini project in second semester, phase I of main project in third semester and IV semester is exclusively allotted for phase II of main project
- Enrollment in project related MOOC course.
- Enrollment in value added course as non-credit course
- Students are permitted to pursue upto 40% of the courses in a semester through SWAYAM / NPTEL and avail credit transfer.
- Introduction of Multi-Entry and Multi-Exit provisions in line with NEP 2020 guidelines.

The M.Tech. / MCA / M.Sc. / M.Com. / M.A. Regulations 2025 is given in [Annexure](#)

24.2.3

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26 onwards.

Resolution:

After due deliberations, the Academic Council considered and approved the M.Tech. / MCA / M.Sc. / M.Com. / M.A. Regulations 2025 for implementation with effect from the Academic Year 2025–26.

Item 24.2.4

To consider and note the credit transfer for SWAYAM – NPTEL courses facilitated to the students in the Academic Year 2024-25

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 2024-25.

A total of **2837 students** from various departments have requested for credit transfer in **102 courses** amounting to **8245 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 2024-25 is given in [Annexure 24.2.4.](#)

The Academic Council may consider and note the same.

Resolution:

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

Item 24.2.5

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

Note on Agenda:

From February 2025 till date, 3 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 24.2.5.](#)

The Academic Council may consider and ratify the same.

Resolution:

The agenda item was noted and ratified.

Item 24.2.6

To consider and note the result analysis of odd semester of Academic Year 2024-25 of UG & PG programmes

Note on Agenda:

The result analysis of odd semester of Academic Year 2024-25 of all UG &PG programmes were discussed in the HODs / Deans meeting held on 08.05.2025.

The details of result analysis are given in [Annexure 24.2.6.](#)

The Academic Council may consider and note the same.

Resolution:

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

ITEMS MOVED BY THE DIRECTOR (ADMISSIONS)

Item 24.3.

To consider and note the sanctioned intake in the various programmes offered by the Institution in the Academic Year 2025-26.

Note on Agenda:

The sanctioned intake in the various programmes offered by the Institution in the Academic Year 2025-26 are as follows.

S. No.	B.Tech. Programmes	Sanctioned Intake
1.	B.Tech. Aeronautical Engineering	30
2.	B.Tech. Automobile Engineering	30
3.	B.Tech. Biotechnology	60
4.	B.Tech. Civil Engineering	60
5.	B.Tech. Computer Science & Engineering	240
6.	B. Tech. Computer Science & Engineering (AI & ML)	180*
7.	B. Tech. Computer Science & Engineering (Cyber Security)	60
8.	B. Tech. Computer Science & Engineering (Internet of Things)	60
9.	B.Tech. Artificial Intelligence & Data Science	180
10.	B.Tech. Information Technology	90
11.	B.Tech. Electrical & Electronics Engineering	60
12.	B.Tech. Electronics & Communication Engineering	120
13.	B.Tech. Electronics & Computer Engineering	60
14.	B.Tech. Electronics & Instrumentation Engineering	30
15.	B.Tech. Mechanical Engineering	90
16.	B.Tech. Polymer Engineering	30

* Launched in 2025 - 26

S.No.	Other UG Programmes	Sanctioned Intake
1.	B.Arch.	80
2.	B. Des. Interior Design	60
3.	B. Pharm.	60
4.	B.B.A L.L.B (Hons)	120
5.	B.A L.L.B (Hons)	60
6.	B.Sc. Aviation	60
7.	B.Sc. Biotechnology	60
8.	B.Sc. Computer Science	60
9.	BCA	180
10.	B.Com. General	240
11.	B.Com. Accounts & Finance	120
12.	B.Com. Professional Accounting	60
13.	B.Com. (International Accounting and Finance) *	60
14.	BBA General	60
15.	B.A. Public Policy	60
16.	B.A. English	30
17.	B.A. Islamic Studies	100

*Launched in 2025 - 26

S.No.	PG Programmes	Sanctioned Intake
1.	M.Tech. Avionics	06
2.	M.Tech. CAD-CAM	06
3.	M.Tech. Computer Science & Engineering	12
4.	M.Tech. Artificial Intelligence & Data Science	24
5.	M.Tech. Information Technology	12
6.	M.Tech. Construction Engineering & Project Management	12

7.	M.Tech. Structural Engineering	18
8.	M.Tech. Power Systems & Engineering	06
9.	M.Tech. VLSI & Embedded Systems	06
10.	M.Tech. Biotechnology	18
11.	M.Tech. Food Biotechnology	18
12.	M. Arch.	20
13.	M. Pharm. (Pharmaceutics)	15
14.	M. Pharm. (Pharmaceutical Analysis)	3
15.	LLM (Criminal Law)	20
16.	MBA	180
17.	MBA (Innovation, Entrepreneurship and Venture Development)	30
18.	MCA	120
19.	M.Sc. Stem Cell Technology and Regenerative Medicine *	10
20.	M.Sc. Clinical Embryology *	40
21.	M.Sc. Actuarial Science	20
22.	M.Sc. Biotechnology	60
23.	M.Sc. Chemistry	40
24.	M.Sc. Microbiology	40
25.	M.Sc. Physics	20
26.	M.Com.	40
27.	M.A. Islamic Studies	30

*Launched in 2025 – 26

Total: 3687

The Academic Council may consider and note the same.

Discussions:

Dr. Bashir Alam enquired about the status of seat allotment and actual admissions across all programmes. The Director (Admissions), Dr. Syed Mohamed Abdul Majeed, informed that about 95% of the seats have been filled across all programmes.

Resolution:

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

ITEMS MOVED BY THE DEAN (ACADEMIC RESEARCH)

Item 24.4.1

To consider and ratify the modification in clause 10.2 (b) and (c) of Ph.D. Regulations 2022.

Note on Agenda:

- The University Grants Commission has issued a Public Notice [(i) UGC F.No.1-1/2018 (CARE/JOURNAL) - Part file 22 1946 / 11 February 2025 and (ii) UGC F.No.1-1/2018 (CARE/JOURNAL) - 25 1947 / 16 July 2025], announcing its decision to discontinue the UGC-CARE listing of journals and proposing suggestive parameters for selecting peer-reviewed journals.
- The UGC now emphasizes the importance of publishing in reputable peer-reviewed journals without prescribing or mandating a specific list, encouraging institutions to adopt rigorous standards in assessing publication quality.
- Our institution continues to maintain journals indexed in Scopus and Web of Science for the School of Social Sciences and Humanities and the Crescent School of Business as the standard benchmarks for acceptable publications under Ph.D. Regulations.
- The Vice-Chancellor has already approved this modification.

The modified clause 10.2 (b) and (c) of the Ph.D. Regulation 2022 is given in

Annexure 24.4.1

The Academic Council may consider and ratify the same.

Discussions:

Dr. Ranjani Parthasarathy enquired about the additional measures taken to ensure the quality of journals. Dr. J. Revathy, Dean (Academic Research), responded that preference is being given to publications in **Q1** and **Q2** journals.

Resolution:

Following deliberations, the agenda item was noted and ratified.

ITEMS MOVED BY THE DIRECTOR (CDOE)

Item 24.5.1

To consider and approve the Annual Report of Centre for Internal Quality Assurance (CIQA) for programmes offered in Online/Open Distance mode for Academic Year 2024-25.

Note on Agenda:

As per the direction from Distance Education Bureau, UGC, the Centre for Internal Quality Assurance (CIQA) is submitting the Annual reports for the Academic Year 2024-25 to the UGC portal.

The annual reports for Online / Open Distance mode for Academic Year 2024-25 are given in [Annexure 24.5.1 \(a\)](#) and [24.5.1 \(b\)](#)

The Academic Council may consider and approve the same.

Discussions:

Dr. Ranjani Parthasarathy enquired about the key aspects and innovative practices adopted in the Open and Distance Education mode. Dr. Jaya, Director (CDOE), explained that the delivery of course content, question paper preparation, and conduct of examinations are systematically organized by the Centre. She further highlighted that course materials are developed by the institute's faculty, and a dedicated job fair is conducted exclusively for online and distance education learners to enhance employability.

Resolution:

The agenda item was noted and approved.

SCHOOL OF INFRASTRUCTURE
DEPARTMENT OF CIVIL ENGINEERING

Item 24.6

To consider and approve the recommendations of the 20th Meeting of the Board of Studies of the Department of Civil Engineering held on 08.07.2025.

Item 24.6.1

To consider and approve the curriculum and syllabi (I & II Semesters) of B.Tech. Civil Engineering under Regulations 2025.

Note on Agenda:

The institution implements major revisions in the curriculum and syllabi of all B.Tech. Programmes once in four years. As part of this major revision, the curriculum and syllabi of B.Tech. Civil Engineering were thoroughly revised considering the AICTE guidelines, recent advancements in technology, societal & industry needs, and stakeholders' feedback. The Vision and Mission of the Department, Programme Educational Objectives and Programme Outcomes were also revised in the process.

The revision in the curriculum and syllabi of I & II semester core courses of B.Tech. Civil Engineering were deliberated in the 20th meeting of the Board of Studies of the Civil Engineering Department. The four open elective courses to be offered to other Department students were also presented. After deliberations, the Board has recommended the same for approval in the Academic Council.

The salient details of B.Tech. Civil Engineering Curriculum under R 2025 with respect to "Introduction of New Courses" and "Courses with Syllabus Revision" are as follows:

a) New Courses Introduced

Course code	Course Title	Credits
GEE 1102	Design thinking	3
GEE 1103	Digital Manufacturing and Fabrication Laboratory	1
GEE 1201	Basic Mechanical and Electrical	3
CEE 2101	Basics of Building Planning and Design	3
CEE 3204	Structural Design Laboratory	1
CEE 4102	Building Information Modelling Studio	2
CEE 4103	Mini Project –II (Estimation/Design/Software Based)	3
CEEX 01	Advanced Structural Analysis	3
CEEX 04	Design of Precast Concrete Buildings	3
CEEX 08	Applications of AI in Structural Engineering	3
CEEX 16	Real Estate Management	3
CEEX 17	MEP Facilities Management	3

CEEX 18	Sustainable Materials and Green Buildings	3
CEEX 26	Smart Cities	3
CEEX 28	Airport, Railway and Harbour Engineering	3
CEEX 39	Industrial Health Safety	3
CEEX 43	Sustainable Habitat	3
CEEX 44	Applications of AI in Built Environment	3

b) Courses with Syllabus Revision (I & II Semesters) – AY 2025-26

Course Code	Course Title	Credits	Revision %
CEE1201	Solid Mechanics	4	20
CEE1202	Construction Materials and Practices	4	20

The Curriculum and Syllabi of the I and II core courses of B.Tech. Civil Engineering under R 2025, are given in [Annexure 24.6.1](#).

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

After deliberations, the above agenda item was approved for implementation from the Academic Year 2025-26.

Item 24.6.2

To consider and approve the curriculum and syllabi of M.Tech. Structural Engineering under Regulations 2025.

Note on Agenda:

The institution implements major revisions in the curriculum and syllabi of M.Tech. Programmes once in three years. As part of this major revision, the curriculum and syllabi of M.Tech. Structural Engineering was thoroughly revised considering AICTE framework, recent advancements in technology, societal & industry needs, and stakeholders' feedback. The Programme Educational Objectives and Programme Outcomes were also revised in the process.

The revision in curriculum & syllabi of courses of M.Tech. Structural Engineering under R 2025 were deliberated in the 20th meeting of Board of Studies of the Department of Civil Engineering held on 08.07.25. After deliberations, the Board has recommended the same for approval in the Academic Council.

The syllabus of the common course “Research Methodology and IPR for Engineers” offered across M.Tech. Programmes in the II semester, and Open Elective course “Environmental Sustainability and Green Building Practices” offered to other Department

students were also deliberated and recommended for approval in the Academic Council.

The salient details of curriculum & syllabi of M.Tech. Structural Engineering under R 2025 with respect to “Introduction of New Courses” and “Revision in Syllabi of Courses” are as follows:

a) New courses Introduced: AY 2025-26

Course Code	Course Title	Credits
CEF 6204	Mini Project	3
CEF 6103	Experimental Methods and Techniques	3
CEFY 10	Design and Construction of Precast Concrete	3
CEFY 58	Circular Economy in Construction Industry	3
CEFY 19	Applications of AI and ML in Structural Engineering	3
CEF 6204	Mini Project	3
OEYF 701	Environmental Sustainability and Green Building Practices	3

b) Courses with syllabus revisions: AY 2025-26

Course Code	Course Title	Credits	Revision %
CEF 6102	Dynamics of Structures	3	25
CEF 6104	Seismic Analysis and Design of Structures	3	20
GFF 6201	Research Methodology and IPR for Engineers	2	20
CEF 6201	Finite Element Analysis in Structural engineering	3	25
CEF 6203	Structural Engineering Studio	2	20
CEFY 01	Advanced Concrete Technology	3	35
CEFY 02	Design of Bridges	3	20
CEFY 03	Design of Steel Concrete Composite Structures	3	20
CEFY 05	Maintenance and Rehabilitation of Constructed	3	50
CEFY 06	Theory of Elasticity and Plasticity	3	20
CEFY 07	Corrosion Control in Reinforced Concrete	3	20
CEFY 09	Waterproofing of Concrete and Masonry Structures	3	25
CEFY 11	Advanced Foundation Design	3	20
CEFY 14	Theory of Plates and Shells	3	10
CEFY 15	Stability of Structures	3	10
CEFY 16	Optimization in Structural Design	3	10
CEFY 17	3D Printing of Concrete Structures	3	20
CEFY 18	Structural Safety and Reliability	3	10

The Curriculum and Syllabi of M.Tech. Structural Engineering under R 2025 including the syllabi of courses “Research Methodology and IPR for Engineers” and “Environmental Sustainability and Green Building Practices” are given in [Annexure 24.6.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Discussions:

Dr. Sivakumar G appreciated the inclusion of courses covering quality, finance, and safety aspects, and remarked that they are well aligned with industry requirements.

Resolution:

The agenda item was deliberated upon and approved for implementation from the Academic Year 2025–26.

Item 24.6.3

To consider and approve the curriculum and syllabi of M.Tech. Construction Engineering and Project Management under Regulation 2025.

Note on Agenda:

The institution implements major revisions in the curriculum and syllabi of all M.Tech. Programmes once in three years. As part of this major revision, the curriculum and syllabi of M.Tech. Construction Engineering and Project Management under R 2025 was thoroughly revised considering AICTE framework, recent advancements in technology, societal and industry needs, and stakeholders' feedback. The Programme Educational Objectives and Programme Outcomes were also revised in the process.

The revision in curriculum & syllabi of M.Tech. Construction Engineering and Project Management under R 2025 were deliberated in the 20th meeting of Board of Studies of the Department of Civil Engineering held on 08.07.25. After deliberations, the Board has recommended the same for approval in the Academic Council.

The salient details of curriculum of M.Tech. Construction Engineering and Project Management under R 2025 with respect to “Introduction of New Courses” and “Revision in Syllabi of Courses” are as follows:

a) New Courses Introduced: AY 2025-26

Course Code	Course Title	Credits
CEF 6224	Mini Project	3
CEFY 52	Personnel Management and Organisational Behaviour	3
CEFY 54	Construction Robotics and Digital Fabrication	3
CEFY 55	Construction Informatics and Digital Solutions	3
CEFY 57	Advanced Quantity Surveying and Valuation	3
CEFY 58	Circular Economy in Construction Industry	3
CEFY 59	Site Organisation and Workforce Management	3
CEFY 60	Planning of Real Estate Projects	3
CEFY 61	Urban Infrastructure and Smart Cities	3

CEFY 62	Artificial Intelligence in Construction Management	3
CEFY 64	Condition Assessment of Buildings and Cost	3

b. Courses with Syllabus Revision: AY 2025-26

Course Code	Course Title	Credits	Revision %
CEF 6121	Project Planning and Control	4	30
CEF 6122	Agile Project Management	3	20
CEF 6123	Contracts Management and Arbitration	4	30
CEF 6124	Construction Techniques and Equipment	3	20
CEF 6125	Project Management Studio I	2	20
CEF 6221	Project Finance and Risk Management	4	30
CEF 6222	Safety and Quality Control in Projects	3	20
CEF 6223	Project Management Studio II	2	20
CEFY 51	Lean Principles in Project Delivery	3	30
CEFY 53	Smart Building Systems and Facility Management	3	25
CEFY 56	Inventory and Supply Chain Management	3	35

The curriculum and syllabi of M.Tech. Construction Engineering and Project Management under R 2025 are given in [Annexure 24.6.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.6.4

To consider and ratify the open elective courses offered for B.Tech. programmes under Regulations 2021.

Note on Agenda:

The syllabi of the following open elective courses offered by the Department of Civil Engineering to B.Tech. Programmes under R 2021 were deliberated in the 20th meeting of Board of Studies of Civil Engineering Department considering its industry and societal relevance. After deliberations, the Board has recommended the same for ratification with effect from the Academic Year 2024-2025 in the Academic council.

Course Code	Course Title	Credits
GEDX 135	Municipal Solid Waste Management	3
GEDX 235	Remote Sensing Essentials	3
GEDX 236	Water and Waste Water Treatment	3

The syllabi of the new open elective courses offered by the Department of Civil Engineering to B.Tech. programmes under R 2021 are given in [Annexure 24.6.4.](#)

The Academic Council may consider and ratify the same with effect from the Academic Year 2024-25.

Resolution:

After deliberations, the above item was ratified for implementation from the Academic Year 2024-25.

SCHOOL OF MECHANICAL SCIENCES
DEPARTMENT OF AEROSPACE ENGINEERING

Item 24.7

To consider and approve the recommendations of 20th Board of Studies of the Department of Aerospace Engineering held on 07-07-2025

Item 24.7.1

To consider and approve the curriculum and syllabi (I & II semesters) of the B. Tech. Aeronautical Engineering programme under Regulations 2025.

Note on Agenda:

In the 20th meeting of the Board of Studies of the Aerospace Engineering Department, the curriculum and syllabi for courses of I & II semesters of the B.Tech. Aeronautical Engineering programme under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students, parents, Industry Experts, Academic Experts and Alumni the curriculum was revised and the following new courses (Core and Professional elective courses) were introduced.

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

a) New courses proposed: II to VII Semester

Course Code	Course Title	Credits
AEE 2104	Materials for Aerospace Application	2
AEE 2204	Introduction to Artificial Intelligence	2
AEE 3203	Introduction to Drone Technology	2
AEE 05	Turbulence Modelling	2
AEE 07	Bio Inspired Fluid Mechanics	1
AEE 08	Flow visualization	1

AEEEX 12	Fracture Mechanics and Damage Tolerance	3
AEEEX 28	Aviation Safety Management	2
AEEEX 29	Air Transportation Management	2
AEEEX 32	Airline Technical Data Management	3
AEEEX 39	Machine Learning and Artificial Intelligence in Aerospace Application	3
AEEEX 40	UAV Data Analytics	3
GEEEX 14	UAV and MAV Systems	3

b) Courses with syllabus revisions (proposed): II Semester (AY 2025-26)

Course Code	Course Title	Credits	Revision%
AEE 1201	Basics of Aerospace Engineering (Lab Integrated)	4	20

The curriculum and syllabi (I & II semesters) of B.Tech. Aeronautical Engineering programme are given in [Annexure 24.7.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

Following deliberations, the agenda item was approved for implementation from the Academic Year 2025-26.

Item 24.7.2

To consider and approve the curriculum and syllabi (I semester) of the M. Tech. Avionics programme under Regulations 2025.

Note on Agenda:

In the 20th meeting of the Board of Studies of the Aerospace Engineering Department, the curriculum and syllabi for courses (I semester) of the M. Tech. Avionics under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students, parents, Industry Experts, Academic Experts and Alumni the curriculum was revised and the following new courses (Core and Professional elective courses) were introduced.

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

(a) New courses proposed: Semester I (AY 2025-26)

Course Code	Course Title	Credits
AEF 6203	Unmanned Aerial Vehicle Laboratory	2
AEF 6204	Mini Project	3
AEF 7103	Industry Internship	2
AEFX14	Artificial Intelligence for Drones	3
AEFX15	UAV Payload and Sensors	3
AEFX17	Aircraft Product and System Engineering, Standards and Certification.	3
AEFX18	Industrial Avionics	3

b) Courses with syllabus revisions (proposed): Semester I (AY 2025-26)

Course Code	Course Title	Credits	Revision%
AEF 6101	Digital Avionics and Interface (Lab Integrated)	4	10
AEF 6181	Aerospace Engineering	3	20
EEE 6181	Electronics and Control Systems	3	10
AEF 6102	Flight Instrumentation	3	10

The curriculum and syllabi for courses (I semester) of M.Tech. Avionics programme are provided in [Annexure 24.7.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.7.3

To consider and approve the syllabi of programme core & professional elective courses (Semester III & IV) of B.Sc. Aviation under Regulations 2021.

Note on Agenda:

In the 20th meeting of Board of Studies of Aerospace Engineering Department, the syllabi of B.Sc. Aviation programme core and professional elective courses (semester III & IV) were deliberated. Keeping in view the career of the students, employability enhancements with current industrial demands the following courses were introduced.

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

New courses proposed: Semester III & IV (AY 2025-26)

Course Code	Course Title	Credits
AVD 2101	General navigation	4
AVD 2102	Aircraft systems	3
AVD 2103	Airline and airport operations	3
AVD 2104	Radio navigation	4
Elective1	Professional Elective Course	3
AVD 2105	Flight instruments	3
AVD 2106	Flight simulator lab	2
AVD 2201	Piston engine and propeller	4
AVD 2202	Operational procedures	3
AVD 2203	Mass and balance	3
E2 & E3	Professional Elective Courses	6
AVD 2204	Composite materials and structures	4
AVD 2205	Aero engine lab	2
AVD 2206	Internship	1
AVDX 01	Non-Destructive Testing	3
AVDX 02	Aircraft Design	3
AVDX 03	Airframe Construction & Maintenance Procedures	3
AVDX 04	Flight Planning & Monitoring	3

The curriculum and syllabi of the courses (III & IV semester) of B.Sc. Aviation under R 2021 are given in [Annexure 24.7.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Item 24.8

To consider and approve the recommendations of 17th Board of Studies of the Department of Automobile Engineering held on 11.07.2025.

Item 24.8.1

To consider and approve the curriculum of the B.Tech. Automobile Engineering programme under Regulations 2025.

Note on Agenda:

In the 17th meeting of Board of Studies of Automobile Engineering Department the curriculum of programme core and professional elective courses of the B.Tech. Automobile Engineering programme under R-2025 were deliberated.

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

New courses proposed: Semester III to VII

Course Code	Course Title	Credits
AUE 3104	Vehicle Body Engineering & Aerodynamics	3
AUE 3211	Connected & Autonomous Vehicles	3
AUE 4101	Artificial Intelligence & Machine Learning (LIT)	4
AUEX 06	Engine Management System	3
AUEX 07	Advanced Engine Technology	3
AUEX 14	Reverse Engineering	3
AUEX 15	Design of Engine Components	3
AUEX 16	Automotive Chassis Component Design	3
AUEX 21	Industrial Engineering & Operations Research	3
AUEX 24	Total Quality Management	3
AUEX 26	Vehicle Crashworthiness	3
AUEX 30	Vehicle Comfort System, Ergonomics & Styling	3
AUEX 31	Noise, Vibration and Harshness	3
AUEX 32	Automotive Standards and Regulations	3
AUEX 46	Automotive Embedded System & Communication Protocol	3
AUEX 47	EV Bike Design and Maintenance	3
AUEX 48	Automotive Infotronics & Autotronics	3

The curriculum of the B.Tech. Automobile Engineering under R 2025 are given in

[Annexure 24.8.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

After deliberations, the agenda item was approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF MECHANICAL ENGINEERING

Item 24.9

To consider and approve the recommendations of 25th Board of Studies of the Department of Mechanical Engineering held on 09.07.2025.

Item 24.9.1

To consider and approve the curriculum and syllabi (Semesters I & II) of the B.Tech. Mechanical Engineering programme under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Mechanical Engineering Department, the curriculum of the B.Tech. Mechanical Engineering programme and syllabi for courses offered by the department during the semesters I to II under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students, parents, Industry Experts, Academic Experts and Alumni the curriculum was revised and the following new courses (Core and Professional elective courses) were introduced. The Programme Educational objectives and Programme outcomes were also revised in the process.

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

(a) New Core Courses (Proposed): Semester III to VII

Course Code	Course Name	Credits
MEE 2105	AI and ML Laboratory	1
MEE 3102	Metrology and control systems	4
MED 3104	Electronics for Mechanical systems	3
MEE 3202	Robotics and Additive Manufacturing	4

(b) New Professional Elective Courses (Proposed): Semester III to VII

Course Code	Course Name	Credits
MEEX51	Fundamentals of Artificial Intelligence	3

MEEX52	Machine Learning and Deep Learning	3
MEEX41	Nano Technology and Functional coatings	3
MEEX53	Introduction to Data, Signals and Image processing	3
MEEX54	Machine conditioning Monitoring	3
MEEX24	Computational Fluid Dynamics	3
MEEX39	Internet of Things for Manufacturing	3
MEEX40	Electrical and Electronical Materials	3
MEEX42	Energy and Biomaterials	3
MEEX43	Composite Materials	3
MEEX45	Lean six sigma	3
MEEX55	Fuzzy logic and Expert systems	3
MEEX56	Machinery Fault diagnostics and Signal Processing	3
MEEX57	AI in production planning	3
MEEX58	Smart Manufacturing with AI	3
MEEX59	Applied Soft Computing Techniques	3

The Common courses offered to the B.Tech. Programmes under Regulation 2025 in the I and II semesters were revised after deliberations in the BoS and the details are given below:

(c) Common courses with syllabus revisions: Semester I to II

Course Code	Course Title	Credits	Revision %
GEE 1101	Engineering Graphics	3	30
GEE 1102	Design Thinking	3	40
GEE 1103	Digital Manufacturing and Fabrication Laboratory	1	25
MEE 1201	Engineering Mechanics	4	30
MEE 1202	Engineering Materials and Metallurgy	4	40
MEE 1203	Design Appreciation Laboratory	1	25

The new curriculum of B.Tech. Mechanical Engineering programme and the revised syllabi of courses offered by the department in the I and II semesters under R-2025 are provided in [Annexure 24.9.1](#).

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.9.2

To consider and approve the curriculum and syllabi of semester I for M.Tech. CAD-CAM programme under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Mechanical Engineering Department, the proposed curriculum and syllabi for courses (Semester I) under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students, parents, Industry Experts, Academic Experts, and Alumni, the curriculum was revised and the following new courses were introduced in the M.Tech. CAD-CAM under R 2025. The Programme Educational objectives and Programme outcomes were also revised in the process.

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

(a) New Core Courses (Proposed):

Course Code	Course Name	Credits
MEF 6102	Advanced Computer Aided Manufacturing (LIT)	3
MEF 6103	Smart Manufacturing	3
MEF 6104	Product Design and Life Cycle Management	3
MEF 6203	Advanced Materials	3
MEF 7101	AI and ML (LIT)	3
MEFY 01	Advanced Manufacturing Technology	3
MEFY 02	Automotive Manufacturing	3
MEFY 16	Design and Manufacturing of MEMS	3
MEFY 17	Composite Materials	3
MEFY 21	Fracture Mechanics	3
MEFY 27	Design for Manufacture and Assembly	3

(b) Courses with syllabus revisions:

Course Code	Course Title	Revision %
MEF 6101	Computer Graphics and Geometric Modelling (LIT)	30

MEFY 03	Measurements and NDT	30
MEFY 04	Design of Hydraulic and Pneumatic Systems	20

The curriculum & syllabi of I semester M.Tech. CAD-CAM programme are provided in [Annexure 24.9.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF POLYMER ENGINEERING

Item 24.10

To consider and approve the recommendations of 18th Board of Studies of the Department of Polymer Engineering held on 10.07.2025.

Item 24.10.1

To consider and approve the curriculum for B.Tech. Polymer Engineering programme under Regulations 2025.

Note on Agenda:

In the 18th meeting of the Board of Studies of the Polymer Engineering Department, the curriculum under R-2025 were discussed and reviewed.

Based on the dynamic needs in the Industry or emerging trends or employability needs the following courses were newly introduced.

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

a) New courses proposed: (Semester III to VIII)

Course Code	Course Title	Credits
PEE2104	Unit Operations for Polymer Engineering	3
PEE3204	Rubber and Composite Testing Lab	1

b) New Professional Elective Courses proposed: (Semester IV to VII)

Course Code	Course Title	Credits
PEEX01	Artificial Intelligence for Polymer Engineering	3
PEEX02	Machine Learning for Polymer Engineering	3
PEEX04	Polymers for Sustainable Development	3

PEEX12	Polymer Informatics with Artificial Intelligence Techniques	3
PEEX13	AI and ML in Polymer Process Engineering	3
PEEX17	FEA of Polymer Components	3
PEEX18	Structural Design of Polymer and Composite Structures	3
PEEX19	Experimental Techniques for Design and Failure Analysis	3
PEEX20	Fiber and Foam Technology	3

The curriculum of B.Tech. Polymer Engineering programme is given in [Annexure 24.10.1.](#)

The Academic Council may consider and approve the same for implementation from the odd semester of the Academic Year 2025 – 26.

Discussions:

Dr. Ranjani Parthasarathy appreciated the inclusion of Artificial Intelligence (AI) across all branches in the new curriculum. She emphasized the growing relevance of Generative AI and suggested that students should be provided with opportunities to gain familiarity with such tools. She further proposed introducing a one-credit or two-credit course focusing on the use of AI tools across disciplines.

In response, Dr. Sharmila Shankar, Dean, SCIMS clarified that the curriculum also includes Machine Learning models and AI applications in polymer process methods. The Council noted that aspects of Generative AI may be suitably incorporated in relevant courses to enhance student competency.

Resolution:

After due deliberations, the Academic Council considered and approved the above item for implementation from the Academic Year 2025-26.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Item 24.11

To consider and approve the recommendations of 21st Board of Studies of the Department of Electrical and Electronics Engineering held on 23.06.2025.

Item 24.11.1

To consider and approve curriculum and syllabi (I & II semester) of the B. Tech. Electrical and Electronics Engineering programme under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Electrical and Electronics Engineering Department, the curriculum of the B.Tech. Electrical and Electronics Engineering programme and syllabi for courses offered by the department during the semesters I to II under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students, parents, Industry Experts, Academic Experts and Alumni the curriculum was revised and the following new courses (Core and Professional elective courses) were introduced. The Programme Educational objectives and Programme outcomes were also revised in the process.

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

(a) New Core Courses (Proposed): Semester II of EEE (AY 2025-26)

Course Code	Course Title	Credits
GEE 1202	Basic Electric and Magnetic Circuits	3
GEE 1206	Basic Electric Circuits Laboratory	1
EEE 1201	Electronic Devices	3
EEE 1202	Electronic Devices Laboratory	1

(b) New Core Courses (Proposed): Semester II for Other Departments (AY 2025-26)

Course Code	Course Title	Credits
GEE 1106	Basic Electrical and Electronics Engineering (For CSE, AI&DS & CSE (AI&ML) -Semester I) (For CSE(CS), CSE (IOT) and IT- Semester II)	3
GEE 1204	Fundamentals of Electrical Engineering (For EIE, Mechanical, Auto, Aero & Polymer)	3
GEE 1201	Basic Electrical & Mechanical Engineering (For CIVIL)	3
GEE 1203	Basic Electrical and Instrumentation Engineering (For ECE, E&CE & Biotech)	3

The curriculum and syllabi (I & II semesters) of B.Tech. Electrical and Electronics Engineering programme are provided in [Annexure 24.11.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.11.2

To consider and approve the curriculum and syllabi for M.Tech. Power Systems Engineering programme under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Electrical and Electronics Engineering Department, the curriculum and syllabi of the M.Tech. Power Systems Engineering programme under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students, parents, Industry Experts, Academic Experts and Alumni the curriculum was revised and the following new courses (Core and Professional elective courses) were introduced. The Programme Educational objectives and Programme outcomes were also revised in the process.

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

(a) New Core Courses (Proposed):

I. Semester I (AY 2025-26)

Course Code	Course Title	Credits
EEF 6101	System Theory	3
EEF 6102	Advanced Power System Analysis (Lab Integrated)	4
EEF 6103	Advanced Power System Protection	3
EEF 6104	Flexible AC Transmission System	3

II. Semester II (AY 2025-26)

Course Code	Course Title	Credits
EEF 6201	Advanced Power System Operation Control	3
EEF 6202	Power System Dynamics (Lab Integrated)	4
EEF 6203	Smart Grid	3
EEF 6204	Mini Project	3

III. Semester III (AY 2026-27)

Course Code	Course Title	Credits
EEF 7101	Renewable Energy Systems (Lab integrated)	4

IV. Professional Elective Courses

Course Code	Course Title	Credits
EEFY 001	Restructured Power Systems	3
EEFY 002	EHV Power Transmission	3
EEFY 003	Power Quality	3
EEFY 004	Power System Planning and Reliability	3
EEFY 005	Advanced Digital Signal Processing	3
EEFY 006	Industrial Power System Analysis and Design	3
EEFY 007	High Voltage Direct Current Transmission	3
EEFY 008	Wind Energy Conversion Systems	3
EEFY 009	Power Distribution Systems	3
EEFY 010	Electrical Transients in Power Systems	3
EEFY 011	Distributed Generation and Micro-grid	3
EEFY 012	State Estimation and Contingency Analysis in Smart-grid	3
EEFY 013	Special Electrical Machines and Controllers	3
EEFY 014	Fundamentals of Grid Connected Photo Voltaic Power Electronic Converter Design	3
EEFY 015	Advanced Power Semiconductor Devices	3
EEFY 016	Analysis of Power converters	3
EEFY 017	Electric Drives	3
EEFY 018	Energy Management and Auditing	3
EEFY 019	Electric Vehicles	3

The curriculum and syllabi of M.Tech. Power Systems Engineering programme are provided in [Annexure 24.11.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.11.3

To consider and ratify the syllabi of professional elective course of M.Tech. Power Systems Engineering under Regulations 2022.

Note on Agenda:

A new professional elective course 'EEEY026- Advanced DC-DC converters' was introduced to pursue Ph.D. in the area of Power Electronics which is included in M. Tech. (Power Systems Engineering) curriculum under Regulation 2022. The same was deliberated in the Board of Studies meeting of EEE department.

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

New professional elective course (ratified): (AY 2024-25)

Course Code	Course Title	Credits
EEEY026	Advanced DC-DC converters	3

The updated curriculum and syllabus of the professional elective course of M.Tech. Power Systems Engineering under R 2022 is given in [Annexure 24.11.3.](#)

The Academic Council may consider and ratify the same from the even semester of the Academic Year 2024–25.

Resolution:

After deliberations, the above item was ratified for implementation from the even semester of Academic Year 2024-25.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 24.12

To consider and approve the recommendations of the 27th Board of Studies of the Department of Electronics and Communication Engineering held on 26.6.2025.

Item 24.12.1

To consider and approve the curriculum and syllabi (semester I and II) for B.Tech. Electronics and Communication Engineering under the Regulation 2025.

Note on Agenda:

In the 27th meeting of Board of Studies of Electronics and Communication Engineering Department, Curriculum and the syllabi (Semester II) of programme core for the B.Tech Electronics and Communication Engineering programme were deliberated.

Based on the dynamic needs in the Industry needs the following courses were newly introduced. The Programme Educational objectives and Programme outcomes were also revised in the process.

a) New courses proposed: Semester II to VIII

Course Code	Course Title	Credits
ECE 2104	Data Structures and Algorithms Using C*	3
ECE 2201	Python programming	3
ECE 3102	Communication Systems	4
ECE 3202	Embedded Systems and IoT	3
ECE 3204	Embedded Systems and IoT Lab	1
ECE 4101	Wireless and Optical Communication	3
ECE4102	Antenna and Microwave Engineering	3
ECE 4103	Wireless and Optical Communication lab**	1
ECE 4104	Antenna and Microwave Engineering lab**	1
ECEX 002	Sensors Technology	3
ECEX 004	Structured and Object Oriented Programming	3
ECEX 011	Digital Image and Video Processing	3
ECEX 019	Information theory and Error Control Coding	3
ECEX 020	Detection, Estimation and Modulation Theory	3
ECEX 022	Cryptography and Network Security	3
ECEX 024	Introduction to MEMS and NEMS	3
ECEX 027	Signal Processing for mmWave communication for 5G and beyond	3
ECEX 028	Optical Networks	3
ECEX 029	Microwave Integrated Circuits	3
ECEX 042	Introduction to Industry 4.0	3
ECEX 044	Embedded Linux and device driver programming	3
ECEX 045	Verification and Testing Methodologies for VLSI Circuits	3
ECEX 046	Introduction to Embedded Operating System	3
ECEX 047	AI for VLSI	3
ECEX 048	Analog IC Design	3
ECEX 049	Low power VLSI	3
ECEX 056	Generative AI for embedded system	3
ECEX 057	Embedded deep learning	3
ECEX 058	Network on chip	3

ECEX 074	Python for Data Science	3
ECEX 077	AI for Medical Image Analysis	3
ECEX 078	MATLAB for AI	3
ECEX 083	Generative AI	3
ECEX 087	Brain Computer Interface and its Applications	3
ECEX 088	Big Data Analytics	3
ECEX 089	Soft Computing and its Applications	3
ECEX 090	Knowledge Engineering and Expert Systems	3
ECEX 091	Optimization methods for Analytics	3
ECEX 104	Sensor Technologies for Intelligent Vehicles	3
ECEX 106	Soft Computing techniques for Automotive applications	3
ECEX 107	Advanced Driver Assistance Systems	3
ECEX 108	Machine Learning for Autonomous Driving	3
ECEX 109	Sustainable Transportation Systems	3
ECEX 116	Deep Learning for Robotics	3
ECEX 117	Industrial Automation using PLC and SCADA	3
ECEX 118	Control Systems for Vehicles and Robots	3
ECEX 119	IoT in Automotive Systems	3

b) Courses with syllabus (proposed): Semester II

Course Code	Course Title	Credits	Revision %
ECE 1201	Electron Devices	3	20
ECE 1202	Circuit and Network Analysis	3	20
ECE 1203	Electron Devices Laboratory	1	20

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

The curriculum and syllabi (I & II semesters) of the B.Tech. Electronics and Communication Engineering programme under regulations 2025 are given in [Annexure 24.12.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

After deliberations, the agenda item was approved for implementation from the Academic Year 2025-26.

Item 24.12.2

To consider and approve the curriculum and syllabi (semester I and II) B.Tech. Electronics and Computer Engineering under the Regulation 2025.

Note on Agenda:

In the 27th meeting of Board of Studies of Electronics and Communication Engineering Department, Curriculum and the syllabi (Semester II) of programme core for the B.Tech. Electronics and Computer Engineering programme were deliberated.

Based on the dynamic needs in the Industry needs the following courses were newly introduced. The Programme Educational objectives and Programme outcomes were also revised in the process.

a) New courses introduced / proposed: Semester II to VIII

Course Code	Course Title	Credits
ESE 2103	Computer Organization and Architecture	3
ESE 2202	Linear Integrated Circuits and its applications	4
ESE 2203	Fundamentals of Digital Signal Processing	3
ESE 3102	Communication Engineering	4
ESE 3103	Artificial intelligence and Machine learning	4
ESE 3201	Computer Networks and security	4
ESEX 001	Sensors Technology	3
ESEX 009	Embedded Linux and device driver programming	3
ESEX 010	Wireless and Mobile Communication	3
ESEX 011	Automotive Networking and protocols	3
ESEX 036	System programming	3
ESEX 040	Full stack development	3
ESEX 047	Generative AI	3
ESEX 049	Introduction to Quantum Computing	3

b) Courses with syllabus (proposed):

Course Code	Course Title	Credits	Revision (%)
ESE 1201	Electron Devices	3	20
ESE 1202	Object Oriented Programming	3	30
ESE 1203	Electron Devices Laboratory	1	20

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

The curriculum and syllabi (I & II semesters) of the B.Tech. Electronics and

Computer Engineering programme under R-2025 is given in [Annexure 24.12.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.12.3

To consider and approve the M.Tech. VLSI and Embedded Systems Curriculum and syllabus under the Regulation 2025.

Note on Agenda:

In the 27th meeting of Board of Studies of Electronics and Communication Engineering Department, curriculum and the syllabi of programme core and electives for **M.Tech VLSI and Embedded Systems** programme were deliberated.

Based on the dynamic needs in the Industry needs the following courses were newly introduced. The Programme Educational objectives and Programme outcomes were also revised in the process.

a) New courses (proposed): Semester I to IV

Course Code	Course Title	Credits
MSF 6183	VLSI verification methodology	3
ECF 7121	Mixed Signal Integrated Circuits	3
ECFY 007	Quantum Computing	3
ECFY 015	Antenna Theory For Millimeter Applications	3

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

The curriculum and syllabi of the M.Tech. VLSI and Embedded Systems programme under R-2025 is given in [Annexure 24.12.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.12.4

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

Note on Agenda:

In the 27th meeting of Board of Studies of Electronics and Communication Engineering Department, the syllabi of professional elective courses (ECDX 005 Image Processing and ECDX 040 5G Communication Systems) **“ECDX066 Computer Vision and Image Processing - Fundamentals and Applications & ECDX067 VLSI Design Flow”** were deliberated. Keeping in view the career of the students and to cope up with current industrial demands the following revision in courses were deliberated.

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

a) New courses (proposed): Semester VI & VII (AY 2025-26)

Course Code	Course Title	Credits
ECDX066	Computer Vision and Image Processing - Fundamentals and Applications	3
ECDX067	VLSI Design Flow	3

b) Courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision %
ECDX 005	Image Processing	3	30
ECDX 040	5G Communication Systems	3	40

The updated curriculum and syllabi of the above courses of B.Tech. Electronics and Communication Engineering under R 2021 are given in [Annexure 24.12.4.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Item 24.13

To consider and approve the recommendations of 22nd Board of Studies of the Department of Electronics and Instrumentation Engineering held on 11.06.2025.

Item 24.13.1

To consider and approve curriculum and syllabi (I & II semester) of the B. Tech. Electronics and Instrumentation Engineering under R2025.

Note on Agenda:

In the 22nd meeting of the Board of Studies of the Electronics and Instrumentation Engineering Department, the curriculum and syllabi for courses (Semesters I to II) under R-2025 were discussed and reviewed.

Based on the dynamic needs in the Industry or emerging trends or employability needs the following courses were newly introduced. The Programme Educational objectives and Programme outcomes were also revised in the process.

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

a) New courses (proposed): Semester I to VIII

Course Code	Course Title	Credits
EIE 3102	Signal and Image processing	3
EIE 3105	Signal and Image processing lab	1
EIE 3203	Smart Instrumentation with AI and ML	3
EIEX 01	Industrial Processes and Control	3
EIEX 02	Building Automation System	3
EIEX 03	Electro-pneumatics and Hydraulics	3
EIEX 04	Reliability and Safety Engineering	3
EIEX 05	Fault Diagnosis and Tolerance System	3
EIEX 06	Cyber Security for Industrial Automation	3
EIEX 07	Multi sensor and Decision Systems	3
EIEX 24	Intelligent Systems and Control	3
EIEX 28	Optimal Control	3
EIEX 29	Machine Monitoring System	3
EIEX 30	Solar PV Fundamental and Applications	3
EIEX 31	Electric Vehicle Control System	3

EIEX 41	System on Chip	3
EIEX 42	Process Data Analytics	3
EIEX 44	Automotive Sensors and Smart Systems	3
EIEX 54	Renewable Energy Systems	3
EIEX 55	Smart Grid Instrumentation	3
EIEX 62	Biomedical Devices and Instrumentation	3
EIEX 63	Biomedical Signal Processing	3
EIEX 64	Medical Image processing	3
EIEX 65	Bio-mechatronics	3
EIEX 66	Physiological Modeling	3
EIEX 67	Medical Robotics	3
EIEX 68	Brain Computer Interface and Applications	3
EIEX 69	Diagnostic and Therapeutic Equipment	3
EIEX 82	Semiconductor Manufacturing	3
EIEX 84	Digital Communication	3
EIEX 85	Wireless Communication	3
EIEX 89	Fundamentals of Data Structures and Algorithms	3
EIEX 91	Human Resource Analytics	3
EIEX 92	Cloud Services Management	3

b) Courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision %
EIE 1201	Electron Devices	3	25
EIE 1202	Network Analysis and Synthesis	3	20
EIE 1203	Electron Devices Lab	1	30

The curriculum and syllabi of I &II semesters B.Tech. Electronics and Instrumentation Engineering programme under R-2025 is given in [Annexure 24.13.1](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

Following discussions, the agenda item was approved for implementation from the Academic Year 2025-26.

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 24.14

To consider and approve the recommendations of 25th Board of Studies of the Department of Computer Science and Engineering held on 07.07.2025.

Item 24.14.1

To consider and approve the curriculum and syllabi for courses of Semester I and II of the B.Tech. CSE, CSE(CS) and CSE(IoT) under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Computer Science and Engineering Department, the curriculum and syllabi for courses (Semester I & II) for B.Tech CSE, CSE(CS) and CSE(IoT) under R2025 were discussed and reviewed.

Based on the dynamic needs and emerging trends in the industry, the following courses were newly introduced.

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

I. B.Tech CSE:

New courses (proposed): Semester I -VIII

Course Code	Course Title	Credits
CSEX 099	Embedded Systems in Robotics	3
CSEX 042	Accelerated Data Science	3
CSEX 076	Cloud-Native Software Engineering	3
CSEX 105	Robotics and Autonomous Systems	3
CSE 4102	Generative AI	3
CSE 4103	Generative AI Laboratory	1
CSEX 021	Next Generation Network(NGN)	3
CSEX 022	Intelligent Edge and Fog Computing	3
CSEX 024	Software Defined Networking (SDN)	3
CSEX 025	Industrial IoT	3
CSEX 052	Explainable AI	3

CSEX 114	Robot Vision and Perception	3
CSEX 143	Ethical Hacking with Tools and Techniques	3

II. B.Tech CSE(CS)

New courses (proposed): Semester I -VIII

Course Code	Course Title	Credits
CSE 3231	Artificial Intelligence and Machine Learning in Cyber Security	3
CSEX 202	Introduction to Data Privacy	3
CSEX 231	Cyber Physical System	3
CSEX 241	Cyber Threat Intelligence and Incident Response	3
CSEX 244	Vigilance and Security Management	3
CSEX 251	Fraud Risk Management in Financial Sectors	3
CSEX 254	Zero Trust Architecture	3
CSEX 263	Security of Emerging Technologies	3
CSEX 264	Secure Coding Practices	3

III. B.Tech CSE(IoT)

New courses (proposed): Semester I -VIII

Course Code	Course Title	Credits
CSEX 314	Satellite-IoT Integration	3
CSEX 315	Energy-Efficient Wireless Sensor Networks for IoT	3
CSEX 322	Smart Cities and Infrastructure Monitoring	3
CSEX 331	Cross-Platform Communication in IoT Systems	3
CSEX 333	Governance and Ethics in IoT Deployments	3
CSEX 334	Standardized IoT APIs	3
CSEX 335	IoT Regulatory Compliance and Data Protection Laws	3
CSEX 345	Descriptive Analytics for IoT	3
CSEX 353	Computer Vision for Intelligent Robots	3
CSEX 354	Mobile Robot Design and Control	3
CSEX 362	Cyber-Physical Systems in Manufacturing	3
CSEX 363	Digital Twins in Industry 4.0	3

CSEX 364	SCADA and PLC for IoT-Based Automation	3
CSEX 365	Swarm Intelligence in IIoT	3

The curriculum and syllabi for courses (Semester I & II) of B.Tech CSE, CSE(IoT) and CSE(CS) under R2025 are given in the [Annexure 24.14.1 \(a\), 24.14.1 \(b\) & 24.14.1 \(c\)](#).

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.14.2

To consider and approve the curriculum and syllabi for courses of Semester I and II of the B.Tech. AI&DS under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Computer Science and Engineering Department, the curriculum of all semesters and syllabi for courses (Semester I & II) for B.Tech AI&DS under R2025 were discussed and reviewed.

In response to the dynamic needs of the industry and emerging technological trends, several new courses were introduced in the curriculum.

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

New courses (proposed): Semester I to VIII

Course Code	Course Title	Credits
AIE 1202	Internet and Java Programming	3
AIE 3106	Front-End Application Development Laboratory	1
AIEX 34	Biomedical Imaging	3
AIEX 53	Optimization Techniques for Data Analytics	3
AIEX 46	Robotics and Intelligent Systems	3
AIE 3203	Architectures for Management of Large Data Sets	4
AIE 3204	Backend Application Development Laboratory	1

The curriculum and syllabi for courses (Semester I & II) of B.Tech. AI&DS under R2025 are given in [Annexure 24.14.2.](#)

The Academic Council may consider and approve the same for implementation from the odd semester of the Academic Year 2025–26.

Discussions:

Dr. Ranjani Parthasarathy emphasized the need to make laboratory courses such as Full Stack Development and JAVA Programming more application-oriented and project-driven rather than focusing solely on conventional syntax-based exercises. Dr. Aisha Banu, HOD/CSE informed that students are already encouraged to undertake projects as part of their lab work, often developed using tools like ChatGPT and later refined for submission, with some projects even shared with companies to showcase student capabilities.

The Council suggested that the evaluation of laboratory courses may be primarily project-based, promoting meaningful, industry-relevant outcomes. It was also noted that while AI tools can aid development, a balance must be maintained to ensure students build strong coding proficiency and problem-solving skills.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.14.3

To consider and approve the programme educational objectives, programme specific outcomes, curriculum and syllabi for courses of Semester I and II of the newly introduced programme B.Tech. CSE (AI&ML) under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Computer Science and Engineering Department, the programme educational objectives, programme specific outcomes, curriculum and syllabi for courses (Semester I & II) for B.Tech. CSE (AI&ML) under R2025 were discussed and reviewed.

In alignment with evolving industry demands and emerging technological trends, several new courses were proposed and included in the curriculum.

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

The programme educational objectives, programme specific outcomes, curriculum and syllabi for courses (Semester I & II) of B.Tech. CSE(AI&ML) under R2025 are given in [Annexure 24.14.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated upon and approved for implementation from the Academic Year 2025–26.

Item 24.14.4

To consider and approve the curriculum and syllabi for courses of Semester I and II of the M.Tech. CSE under Regulations 2025 and syllabus for the elective course CSEY 122 - Machine Learning Engineering for Production in Semester III for Industry Integrated M.Tech.(CSE) programme under R2022.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Computer Science and Engineering Department, the curriculum and syllabi for courses (Semester I & II) of M.Tech CSE under R2025.

Also the syllabus for the elective course CSEY 122 - Machine Learning Engineering for Production in Semester III of Industry Integrated M.Tech.(CSE) programme under R2022 were discussed and reviewed.

To address the evolving demands of the industry and keep pace with emerging technological trends, several new courses have been incorporated into the M.Tech CSE curriculum under Regulation 2025.

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

New courses proposed in M.Tech CSE: Semester I to IV

Course Code	Course Title	Credits
CSFY 01	Advanced Software Defined Networks	3
CSFY 11	Advanced Full Stack Development for Front-End	3
CSFY 12	Embedded Programming	3
CSFY 14	Quantum computing	3

The curriculum and syllabi for courses (Semester I & II) of M.Tech. CSE under R2025 and updated curriculum and syllabus for the elective course CSEY 122 - Machine Learning Engineering for Production in Semester III of Industry Integrated M.Tech.(CSE) programme under R2022 are given in [Annexure 24.14.4 \(a\) and 24.14.4 \(b\)](#).

The Academic Council is requested to consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.14.5

To consider and approve the curriculum and syllabi for courses of Semester I and II of the M.Tech. AI&DS under Regulations 2025.

Note on Agenda:

In the 25th meeting of the Board of Studies of the Computer Science and Engineering Department, the curriculum and syllabi for courses (Semester I & II) of M.Tech AI&DS under R2025 were discussed and reviewed.

In alignment with evolving industry demands and advancements in emerging technologies, several new courses have been introduced in the M.Tech AI & DS curriculum under Regulation 2025.

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

New courses proposed of M.Tech AI&DS: Semester I to IV

Course Code	Course Title	Credits
AIF 6103	Data Engineering	3
AIF 6105	Applied Machine Learning Laboratory	2
AIF 6202	Generative AI with Large Language Models	4
AIF 6203	Generative Adversarial Networks	3
AIF 6204	Large Language Models Laboratory	1
AIF 6205	Mini Project	3
AIFY 01	Application Architecture and Deployment	3
AIFY 14	Security For Data Science	3

The curriculum and syllabi for courses (Semester I & II) of M.Tech AI&DS under R2025 are given in [Annexure 24.14.5.](#)

The Academic Council is requested to consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.14.6

To consider and approve the syllabus for the professional elective course “CSDX 114 - Advanced Comprehensive Linux” for the B.Tech. CSE, CSE(CS), and CSE (IoT) programmes under Regulations 2021.

The syllabus of the professional elective course “CSDX 114 – Advanced Comprehensive Linux” to be offered in V Semester, of B.Tech CSE, CSE(CS), and CSE(IoT) under R2021 were deliberated in the Board of Studies meeting, since they are aligned with emerging industry trends and technological advancements.

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

The updated curriculum and syllabus for the above course is given in [Annexure 24.14.6.](#)

The Academic Council may consider and approve the same for implementation from the odd semester of the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.14.7

To consider and ratify the syllabus for the professional elective course “CSDX 213 - Comprehensive Linux” for the B.Tech. CSE, CSE(CS), and CSE(IoT) programmes under Regulations 2021.

The syllabus of the professional elective course “CSDX 213 - Comprehensive Linux” offered in IV Semester, B.Tech. CSE, CSE(CS), and CSE(IoT) under R2021 were deliberated in the Board of Studies meeting, since they are aligned with emerging industry trends and technological advancements.

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

The updated curriculum and syllabus for the above course is given in [Annexure 24.14.7.](#)

The Academic Council may consider and ratify the same for implementation from the even semester of the Academic Year 2024–25.

Resolution:

The agenda item was deliberated and ratified for implementation from the Academic Year 2024–25.

DEPARTMENT OF INFORMATION TECHNOLOGY

Item 24.15

To consider and approve the recommendations of the Board of Studies of the Department of Information Technology held on 12.06.2025.

Item 24.15.1

To consider and approve the syllabi of professional elective courses (Semester III) of M.Tech. IT under Regulations 2022.

Note on Agenda:

In the 20th meeting of the Board of Studies of the Department of Information Technology, the syllabi of professional elective courses (semester III) were deliberated. Keeping in view to cope up with current industrial demands the following new courses were deliberated by Staff Members of IT Department.

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

New Professional Elective courses introduced: Semester III (AY 2025-26)

Course Code	Course Title	Credits
ITEY 120	Scrum Master	3
ITEY 121	Generative AI	3

The updated curriculum and syllabi for the above professional Elective courses are given in [Annexure 24.15.1.](#)

The Academic Council may consider and approve the same for implementation from the odd semester of the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.15.2.

To consider and approve the syllabus of Open Elective course of B.Tech. IT Programme under Regulations 2021.

Note on Agenda:

Keeping in view the employability enhancements and to cope up with current industrial demands the following open elective course was introduced in sixth semester in

order to provide the basic knowledge in interdisciplinary courses. The syllabus of the Open Elective course under B.Tech. IT R-2021 was deliberated during the 20th meeting of the Board of Studies of the Department of Information Technology.

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

New course proposed: AY 2025-26

Course Code	Course Title	Credits
GEDX 237	Cryptography and Network Security	3

The updated curriculum and syllabi for the above syllabus of the above open elective course of B.Tech. IT programme is given in [Annexure 24.15.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025 - 26.

Resolution:

Following discussions, the agenda item was approved for the implementation from the Academic Year 2025-26.

Item 24.15.3:

To consider and approve the curriculum and syllabi of semester I & II for M. Tech. IT under Regulation 2025.

Note on Agenda:

In the 20th meeting of the Board of Studies of the Department of Information Technology, the curriculum and syllabi for courses (Semesters I to II) under R-2025 were discussed and reviewed.

Based on the suggestions given by Industry Experts, Academic Experts, Faculty and also considering the emerging trends and employability needs the following courses were newly introduced and some of the courses were revised. The Programme outcomes of M.Tech IT were also revised in the process.

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

a) New courses proposed: Semester I & II

Course Code	Course Title	Credits
ITF 6104	AI and Data Science	4
ITF 6201	Advanced Software Testing	4
ITF 6202	Large Language Models	3

ITF 7101	Explainable AI	3
ITFY 101	Modern Operating Systems	3
ITFY 102	Block Chain and Smart Contracts	3
ITFY 103	Cyber Security and Ethical Hacking	3
ITFY 104	Machine Learning Tools and Techniques	3
ITFY 201	IoT Architecture and Protocol	3
ITFY 202	Secure Blockchain and Crypto-Economics	3
ITFY 203	AI-Driven Cyber security	3
ITFY 204	Deep Learning for Computer Vision	3
ITFY 205	Applied Cryptography	3
ITFY 206	Quantum Computing	3
ITFY 207	Kubernetes & Containerization	3
ITFY 208	Federated Learning and Privacy-Preserving AI	3
ITFY 209	High-Performance Cloud Systems	3

b) Courses with syllabus revisions:

Course Code	Course Title	Credits	Revision %
ITF 6101	Advanced Data Structures and Algorithms	3	27
ITF 6102	Software Development Methodologies	3	43
ITF 6203	Cloud Architecture and Computing	3	66

The curriculum & syllabi of I &II semesters of M.Tech. IT programme under R-2025 are given in [Annexure 24.15.3](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.15.4:

To consider and approve the curriculum and syllabi of semester I & II for B. Tech. IT under Regulation 2025.

Note on Agenda:

In the 20th meeting of the Board of Studies of the Department of Information Technology, the curriculum and syllabi for Professional core courses (Semesters II) under R-

2025 were discussed and reviewed.

Based on the emerging trends and employability needs the following courses were revised.

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

Courses with syllabus revision proposed: Semester II (AY 2025-26)

Course Code	Course Title	Credits	Revision %
ITE 1201	Digital Principles and Computer Organization	4	30
ITE 1202	Programming in Python	3	30
ITE 1203	Programming in Python and Lab	1	30

The curriculum and syllabi of semester II of B.Tech. IT programme under R-2025 are provided in [Annexure 24.15.4](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 24.16

To consider and approve the recommendations of 21st Board of Studies of the Department of Computer Applications held on 13.06.2025

Item 24.16.1

To consider and ratify the syllabus of programme elective CADX 257: Fundamentals of Linux and Administration in the B.Sc. (Computer Science) and BCA programmes under Regulations 2021.

Note on Agenda:

The syllabus of the course “Fundamentals of Linux and Administration” introduced in 4th semester of the undergraduate programmes B.Sc. (Computer Science) and BCA programmes under Regulations 2021 were discussed and reviewed in the 21st meeting of the Board of Studies of the Department of Computer Applications.

Keeping in view the career of the students to cope up with current industrial demands the new course is deliberated by Industrial Experts.

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

New courses (ratified): Semester IV (AY 2024-25)

Course Code	Course Title	Credits
CADX 257	Fundamentals of Linux and Administration	3

The updated curriculum and syllabus is given in [Annexure 24.16.1](#).

The Academic Council may consider and ratify the same for implementation from the even semester of the Academic Year 2024–25.

Resolution:

The agenda item was approved and ratified for the implementation from the Academic Year 2024–25.

Item 24.16.2

To consider and approve the newly introduced syllabus of programme elective course “CADX 157: Advanced Linux and Server Administration” in the B.Sc. (CS) and BCA programmes under Regulations 2021.

[Note on Agenda:](#)

The syllabus of the course “Fundamentals of Linux and Administration” to be introduced in V semester for the B.Sc. (Computer Science) and BCA programmes under R-2021 were discussed and reviewed in the 21st meeting of the Board of Studies of the Department of Computer Applications.

Based on the dynamic needs in the Industry or emerging trends or employability needs the following course is newly introduced.

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

New courses (proposed): Semester V (AY 2025-26)

Course Code	Course Title	Credits
CADX 157	Advanced Linux and Server Administration	3

The updated curriculum and syllabi is given in [Annexure 24.16.2](#).

The Academic Council may consider and approve the same for implementation from the odd semester of the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.16.3

To consider and approve the curriculum and syllabi of semesters I & II of B.Sc. Computer Science programme under Regulations 2025.

Note on Agenda:

In the 21st meeting of the Board of Studies of the Department of Computer Applications, the curriculum framework and I & II semesters syllabi of the undergraduate programme B.Sc. Computer Science under R 2025 were discussed and reviewed.

Based on the suggestions given by Industry Experts, Academic Experts and Alumni the following courses were newly introduced. The Programme Specific Outcomes and Programme outcomes were also revised in the process.

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

a) New courses (proposed): Semester I to VI

Course Code	Course Title	Credits
CAE 1102	Computer Architecture	3
CAE 1205	Fundamentals of Operating Systems Laboratory	1
CAE 2101	Design and Analysis of Algorithms	4
CAE 2102	Secure Software Engineering	3
CAE 2103	Relational Database Management Systems	3
CAE 2104	Programming in Java	3
CAE 2105	Digital Marketing	3
CAE 2106	Relational Database Management Systems Laboratory	1
CAE 2107	Programming in Java Laboratory	1
CAE 2201	Python Programming	3
CAE 2202	Web Design and Development	3
CAE 2203	Data Mining and Warehousing	3
CAE 2204	Object Oriented Analysis and Design	3
CAEX 201	E-Commerce	3
CAEX 202	Information Retrieval	3
CAEX 203	Social Media Analysis	3
CAEX 204	High Performance Computing	3
CAEX 205	Fundamentals of Linux and Administration	3
CAE 2205	Python Programming Laboratory	1
CAE 2206	Web Design Laboratory	1

CAE 3101	Full Stack Development	3
CAE3103	Big Data Analytics	3
CAE3104	Block chain Technology	3
CAE3105	Cloud Technology and Information Security	4
CAEX 101	Healthcare Analytics	3
CAEX 102	Agile Methodology	3
CAEX 103	Organizational Behaviour	3
CAEX 104	Human Computer Interaction	3
CAEX 105	Advanced Linux and Server Administration	3
CAE3106	Machine Learning Using Python	3
CAE3107	Full Stack Development Laboratory	1
CAE3108	Machine Learning Using Python Laboratory	1
CAE 3201	Data Visualization Using Power BI	4
CAE 3203	Mobile Application Development	3
CAE 3204	Artificial Intelligence	3
CAEX 206	Information Security	3
CAEX 207	Computer Vision	3
CAEX 208	Open source Technologies	3
CAEX 209	AI and Robotics	3

b) Courses with syllabus revisions (proposed): I & II Semester (AY 2025-26)

Course Code	Course Title	Credits	Revision %
CAE 1101	Problem Solving and Programming using C	3	20
CAE 1104	Fundamentals of Data Structures	3	10
CAE 1105	Programming in C Laboratory	1	60
CAE 1106	Data Structures and Algorithms Laboratory	1	50
CAE 1201	Object Oriented Programming Using C++	3	10
CAE 1202	Fundamentals of Operating Systems	3	20
CAE1204	Data Communication and Networking	3	10
CAE 1207	Object Oriented Programming Using C++ Laboratory	1	50

The curriculum and syllabi (I & II semesters) of B.Sc. Computer Science is given in [Annexure 24.16.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.16.4:

To consider and approve the curriculum and syllabi of semesters I & II of BCA programmes under Regulations 2025.

Note on Agenda:

In the 21st meeting of the Board of Studies of the Department of Computer Applications, the curriculum syllabi of semesters I & II of BCA programmes under Regulations 2025 were discussed and reviewed.

Based on the dynamic needs in the Industry or emerging trends or employability needs the following courses were newly introduced. The Programme Specific Outcomes and Programme outcomes were also revised in the process.

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

a) New courses (proposed): Semester I to VI

Course Code	Course Title	Credits
CAE1103	Digital Principles and applications	3
CAE 1206	Office Automation Tools Laboratory	1
CAE 2101	Design and Analysis of Algorithms	4
CAE 2102	Secure Software Engineering	3
CAE 2103	Relational Database Management Systems	3
CAE 2104	Programming in Java	3
CAE 2108	Introduction to Cloud Technologies (CTIS)	3
CAE 2109	Introduction to Data Science (DS)	3
CAE 2110	Introduction to Artificial Intelligence (AI)	3
CAE 2111	Introduction to Cyber Security (CS)	3
CAE 2106	Relational Database Management Systems Laboratory	1
CAE 2107	Programming in Java Laboratory	1
CAE 2201	Python Programming	3
CAE 2208	Fundamentals of Datacenter (CTIS)	3
CAE 2212	Introduction to Artificial Intelligence (DS)	3
CAE 2216	Knowledge Engineering(AI)	3
CAE 2220	Ethical Hacking (CS)	3

CAE 2209	Information Security (CTIS)	3
CAE 2213	Machine Learning Algorithms (DS)	3
CAE 2217	Digital Image Processing (AI)	3
CAE 2221	Web Application development and Security(Lab integrated) (CS)	4
CAE 2210	Principles of Virtualization (CTIS)	4
CAE 2214	Exploratory Data Analysis (DS)	4
CAE 2218	Machine Learning Techniques (Integrated) (AI)	4
CAE 2222	Cryptography and Network Security (CS)	3
CAEX 201	E-Commerce	3
CAEX 202	Information Retrieval	3
CAEX 203	Social Media Analysis	3
CAEX 204	High Performance Computing Online Advertisement	3
CAEX 205	Fundamentals of Linux and Administration	3
CAE 2205	Python Programming Laboratory	1
CAE 2211	Information Security Laboratory (CTIS)	1
CAE 2215	Machine Learning Algorithms Laboratory (DS)	1
CAE 2219	Digital Image Processing Laboratory (AI)	1
CAE 2223	Ethical Hacking Lab (CS)	1
CAE 3102	Full Stack Technologies	3
CAE 3103	Big Data Analytics	3
CAE 3109	Cloud Web Services (CTIS)	3
CAE 3114	Cloud Service for Data Science (DS)	3
CAE 3119	Computer Vision (AI)	3
CAE 3124	Cyber Security and Digital Forensics (CS)	3
CAE 3110	Cloud Security and Migration(CTIS)	3
CAE 3115	Time Series Analysis (DS)	3
CAE 3120	Natural Language processing(AI)	3
CAE 3125	Blockchain Technology (CS)	3
CAE 3111	Artificial Intelligence and Machine Learning Techniques(CTIS)	3
CAE 3116	Deep Learning Techniques (DS)	3
CAE 3121	Prompt Engineering (AI)	3
CAE 3126	Cloud and Infrastructure Security (CS)	3
CAEX 101	Healthcare Analytics	3
CAEX 102	Agile Methodology	3
CAEX 103	Organizational Behaviour	3

CAEX 104	Human Computer Interaction	3
CAEX 105	Advanced Linux and Server Administration	3
CAE 3112	Cloud Web Services Laboratory (CTIS)	1
CAE 3117	Deep Learning Techniques Laboratory (DS)	1
CAE 3122	Computer Vision Laboratory (AI)	1
CAE 3127	Cloud and Infrastructure Security Laboratory(CS)	1
CAE 3113	Cloud Security Laboratory (CTIS)	1
CAE 3118	Cloud Service for Data Science Laboratory (DS)	1
CAE 3123	Natural Language Processing Laboratory (AI)	1
CAE 3128	Cyber Security and Digital Forensics Laboratory (CS)	1
CAE 3201	Data Visualization using Power BI	4
CAE 3205	Data Analytics for Cloud (CTIS)	3
CAE 3207	Data Science and Bioinformatics (DS)	3
CAE 3209	Deep Learning Techniques (AI)	3
CAE 3211	Cyber Law (CS)	3
CAE 3206	DevOps for Cloud (CTIS)	4
CAE 3208	Business Intelligence (DS)	4
CAE 3210	Sensor Technologies (AI)	4
CAE 3212	Intrusion Detection and Internet Security (Lab Integrated) (CS)	4
CAEX 211	Cyber Laws (CTIS)	3
CAEX 212	Cyber Threats and Attack Vectors (CTIS)	3
CAEX 213	Cloud Security Tools and Cyber Attacks (CTIS)	3
CAEX 214	IoT cloud solution development (CTIS)	3
CAEX 215	Distributed Computing and Dapps (CTIS)	3
CAEX 221	NoSQL Database (DS)	3
CAEX 222	Optimization Algorithms (DS)	3
CAEX 223	Distributed Computing for Data Science (DS)	3
CAEX 224	Agriculture Data Analytics (DS)	3
CAEX 225	Social Network Analytics (DS)	3
CAEX 236	Fundamentals of Blockchain (AI)	3
CAEX 237	Internet of Things (AI)	3
CAEX 238	Multi-Agent Systems (AI)	3

CAEX 239	Object Recognition (AI)	3
CAEX 240	Expert System (AI)	3
CAEX 251	DevSecOps & Automation in Security (CS)	3
CAEX 252	Embedded System Security (CS)	3
CAEX 253	Advanced programming for Ethical hacking (CS)	3
CAEX 254	Cybersecurity in Healthcare & Finance (CS)	3
CAEX 255	Mobile Application Security (CS)	3

b) Courses with syllabus revisions (proposed): I & II Semester (AY 2025-26)

Course Code	Course Title	Credits	Revision %
CAE 1101	Problem Solving and Programming using C	3	20
CAE 1104	Fundamentals of Data Structures	3	10
CAE 1105	Programming in C Laboratory	1	60
CAE 1106	Data Structures and Algorithms Laboratory	1	50
CAE 1201	Object Oriented Programming Using C++	3	10
CAE1203	Principles of Operating Systems	4	20
CAE1204	Data Communication and Networking	3	10
CAE 1207	Object Oriented Programming Using C++ Laboratory	1	50

The curriculum and syllabi I and II semesters for BCA programmes is given in [**Annexure 24.16.4.**](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

After deliberations, the agenda item was approved for implementation from the Academic Year 2025-26.

Item 24.16.5

To consider and approve the curriculum and syllabi of semesters I & II of MCA programme under Regulations 2025.

Note on Agenda:

In the 21st meeting of the Board of Studies of the Department of Computer

Applications, the curriculum and syllabi of semesters I & II of MCA programme under Regulations 2025 were discussed and reviewed.

Based on the dynamic needs in the Industry or emerging trends or employability needs the following courses were newly introduced. The Programme outcomes were also revised in the process.

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

a) New courses (proposed): Semester I to IV

Course Code	Course Name	Credits
CAF 6107	Advance Java Programming Lab	1
CAF 6108	Programming in C and C++ Laboratory	1
CAF 6201	Qualitative and Quantitative Reasoning	3
CAF 6202	Advanced Database Technology	3
CAF 6203	Python Programming	3
CAF 6204	Full Stack Web Development	4
CAF 6205	Mobile Application Development	3
CAFY 101	Data Science and Cloud computing	4
CAFY 102	Cloud Technologies	4
CAFY 103	Cyber Security	4
CAFY 104	Artificial Intelligence and Machine Learning	4
CAFY 105	Internet of Things	4
CAFY 106	Artificial Intelligence and Data Science	4
CAFY 107	Natural Language Processing	4
CAF 6206	Python Programming Lab	1
CAF 6207	Mobile Application Development Lab	1
CAF 6208	Advanced Database Technology Laboratory	1
CAF 7101	Research Methodology and IPR	2
CAF 7102	Software Testing	4
CAFY 201	Big Data Analytics	4
CAFY 202	Social Media Analytics	4
CAFY 203	Ethical Hacking	4
CAFY 204	Cloud Security	4
CAFY 205	Digital Forensics	4
CAFY 206	Cryptography	4
CAFY 207	Deep Learning Techniques	4
CAFY 208	Generative AI	4
CAFY 209	Data Analytics and Visualization using Power BI	4
CAFY 301	Software Project Management	3
CAFY 302	Management Information Systems	3
CAFY 303	Customer Relationship Management System	3
CAFY 304	Agile Methodologies	3
CAFY 305	Supply Chain Management	3
CAFY 306	Developments and Operations	3
CAFY 307	Software Design	3

CAFY 308	Digital Marketing	3
CAFY 401	Soft Computing	3
CAFY 402	Information Retrieval Techniques	3
CAFY 403	Computer Vision	3
CAFY 404	Quantum Computing	3
CAFY 405	Blockchain Technology	3

b) Courses with syllabus revisions (proposed): I & II Semester (AY 2025-26)

Course Code	Course Name	Credits	Revision
CAF 6101	Data Structures and Algorithms	3	30
CAF 6102	Operating System and Shell Scripting	3	50
CAF 6103	Object Oriented Software Engineering	3	30
CAF 6104	Computer Networks	3	10
CAF 6105	Advanced Programming in Java	3	20
CAF 6106	Data Structures and Algorithms Lab	1	50

The curriculum and syllabi (I & II semesters) of MCA is given in [Annexure 24.16.5](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.16.6

To consider and approve the syllabus of the open elective course “Fundamentals of Computer” for the B.A., B.Com., BBA, B.Sc. (Biotech.) programmes under Regulations 2025.

Note on Agenda:

Keeping in view the career of the students to cope up with current industrial demands the following open elective course introduced in order to provide the basic knowledge in interdisciplinary courses. The syllabus of the Open Elective course under R 2025 was deliberated during the 21st Board of Studies of the Department of Computer Applications.

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

New course (proposed):

Course Code	Course Title	Credits
OEEC	Fundamentals of Computer	3

The syllabus of the open elective course is given in [Annexure 24.16.6](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Suggestion:

Dr. Ranjani Parthasarathy suggested revising the syllabus of Fundamentals of Computers, as many topics are already covered at the school level. She recommended including more practical and application-oriented components to make the course more relevant.

Resolution:

After deliberations, the agenda item was approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCE

Item 24.17

To consider and approve the recommendations of 17th Board of Studies of the Department of Mathematics and Actuarial Science held on 23.06.2025.

Item 24.17.1

To consider and approve the syllabi for Mathematics courses of Semesters I and II for all B.Tech. programmes under Regulations 2025.

Note on Agenda:

In the 17th meeting of the Board of Studies of the Mathematics and Actuarial Science Department, the syllabi (Semesters I & II) for Mathematics courses under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students and academic experts, the syllabi are revised and new courses are introduced.

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

I. Semester I & II (AY 2025-26)

a) New courses (proposed)

Course Code	Course Title	Credits
MAE 1183	Linear Algebra and Calculus	4
MAE 1161	Mathematics for Computer Science (for B.Tech. AI & ML)	4

b) Courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision (%)
MAE 1181	Matrices and Differential Calculus	4	30
MAE 1182	Mathematics for Biotechnology	4	30
MAE 1281	Advanced Calculus and Complex Variables	4	30
MAE 1282	Transforms and its Applications	4	30
MAE 1283	Probability and Statistical Data Analysis	4	60

The syllabi for the above courses are given in [Annexure 24.17.1](#).

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.17.2

To consider and approve the syllabi for Mathematics courses of Semesters I and II for B.C.A., and B.Sc. Computer Science programmes under Regulations 2025.

Note on Agenda:

In the 17th meeting of the Board of Studies of the Mathematics and Actuarial Science Department, the syllabi for Mathematics courses of Semesters I and II for B.C.A., and B.Sc. Computer Science programmes under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students and academic experts the syllabi of these courses were revised.

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

Courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision (%)
MAE 1187	Algebra, Calculus and Numerical Methods	4	20
MAE 1287	Probability and Statistics	4	60

The syllabi for the above courses are given in [Annexure 24.17.2](#).

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for the implementation from the Academic Year 2025-26.

Item 24.17.3

To consider and approve the syllabi for Mathematics courses of Semesters I for M.C.A. and all M.Tech. programmes under Regulations 2025.

Note on Agenda:

In the 17th meeting of the Board of Studies of the Mathematics and Actuarial Science Department, the syllabi for Mathematics courses of Semesters I for M.C.A. and all M.Tech. programmes under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students and academic experts the syllabi are revised.

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

a) New courses (proposed): Semester I (AY 2025-26) (For MCA)

Course Code	Course Title	Credits
MAF 6186	Applied Mathematics for Electrical Engineers	4
MAF 6187	Applied Probability and Statistics for Computer Applications	4
MAFY 08	Theory of Probability and Statistical Inference	4

b) Courses with syllabus revisions (proposed): Semester I (AY 2025-26) (for M.Tech)

Course Code	Course Title	Credits	Revision (%)
MAF 6181	Algebraic Structures and Discrete Algorithms	4	60
MAF 6182	Differential Equations and Numerical Methods	4	20
MAF 6183	Probability, Optimization and Matrix Theory	4	30
MAF 6184	Advanced Applied Mathematics for Avionics Engineering	4	20
MAF 6185	Statistical Methods for Data Science	4	30

The syllabi for the above courses are given in [Annexure 24.17.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.17.4

To consider and approve the syllabi for Mathematics courses of Semester I for M.Sc. Chemistry programmes under Regulations 2025.

Note on Agenda:

In the 17th meeting of the Board of Studies of the Mathematics and Actuarial Science Department, the syllabi for Programme Core course (Semester I) under R-2025 were discussed and reviewed.

In the 17th meeting of the Board of Studies of the Mathematics and Actuarial Science Department, the syllabi for Mathematics course of Semester I for M.Sc. Chemistry programmes under R-2025 were discussed and reviewed.

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

New course (proposed)

Course Code	Course Title	Credits
MAF 6188	Mathematics for Chemistry	2

The syllabi for the above course is given in [Annexure 24.17.4.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The academic council considered and approved the agenda item for implementation from the Academic Year 2025-26.

Item 24.17.5

To consider and approve the curriculum and syllabi for M.Sc. Actuarial Science programme under Regulations 2025.

Note on Agenda:

In the 17th meeting of the Board of Studies of the Mathematics and Actuarial Science Department, the curriculum and syllabi for M.Sc. Actuarial Science under R-2025 were discussed and reviewed.

Based on the feedback from faculty, students and academic experts the syllabi are revised.

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

Courses with syllabus revisions (proposed): Semester I to IV

Course Code	Course Title	Credits	Revision %
MAF 6101	Fundamentals of Financial Mathematics	4	35
MAF 6102	Probability and Distributions	4	30
MAF 6103	Business Economics	4	40
MAF 6104	Financial Reporting and Accounting	4	35
MAF 6105	Principles of Insurance	2	30
MAF 6107	Actuarial Computational Laboratory (Ms – Excel)	2	35
MAF 6106	Mathematical Statistics	4	35
MAF 6201	Applications of Financial Mathematics	4	35
MAF 6202	Fundamentals of Life Contingencies	4	30
MAF 6203	Descriptive Statistical Methods in Actuarial Science	4	40
MAF 6204	Stochastic Models	3	30
MAF 6205	R – Programming	2	30
MAF 7101	Applications of Life Contingencies	4	40
MAF 7102	Financial Economics	4	35
MAF 7103	Applied Statistical Methods In Actuarial Science	4	30
MAF 7104	Survival Models	4	35
MAF 7105	Actuarial Computational Laboratory (Python)	2	30
MAFY 01	Financial Management of Life Office	3	35
MAFY 02	Islamic Investments	3	40
MAFY 03	Corporate Finance	3	35
MAFY 04	Mortality Projection & Machine Learning	3	30
MAFY 05	Financial Markets	3	30
MAFY 06	Islamic Asset and Fund Management	3	35
MAFY 07	Portfolio And Credit Risk Management	3	30

The curriculum and syllabi for M.Sc. Actuarial Science programme is given in [Annexure 24.17.5.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

CRESCENT SCHOOL OF ARCHITECTURE

Item 24.18

To consider and approve the recommendations of the 16th meeting of Board of Studies of the Crescent School of Architecture held on 31.07.2025.

Item 24.18.1

To consider and approve the amendments in Regulations 2021 of B.Arch. and B.Des. programmes.

Note on Agenda:

In the 16th meeting of the Board of Studies of the Crescent School of Architecture, the amendments in the Regulations 2021 of B.Arch. and B.Des. programmes were discussed and reviewed.

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

The amended clauses in the B.Arch., and B.Des. Regulations 2021 are given in **Annexure 24.18.1.**

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

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

Item 24.19

To consider and approve the recommendations of the 15th meeting of Board of Studies of the Department of Physics held on 18.07.2025

Item 24.19.1

To consider and approve the syllabi for courses of Semesters I and II of all B.Tech. programmes under Regulations 2025.

Note on Agenda:

In the 15th meeting of the Board of Studies of the Physics Department, the syllabi for courses (Semesters I & II) offered to all the B.Tech. programmes under R-2025 were discussed and reviewed.

Based on the suggestions given by the external experts the following courses were revised and introduced in semesters I and II.

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 %
PHE1181	Engineering Physics	4	30
PHE1182	Physics for Computer Science and Engineering	4	30
PHEX02	Nanoscience and Nanotechnology	3	30
PHEX03	Non-destructive Testing	3	30
PHEX04	Optical Fibre Communication	3	30
PHEX07	Sensors and Actuators	3	30
PHEX09	Semiconductor Physics and Optoelectronics	3	30

b) New courses (proposed):

Course Code	Course Title	Credits
PHEX01	Analog and Digital Electronics	3
PHEX05	Properties of matter	3
PHEX06	Quantum computing for Engineers	3
PHEX08	Applied Polymer Science	3
PHEX10	Thermodynamics for Engineers	3
PHEX11	Electronics and Instrumentation	3

The syllabi for the above courses are given in [Annexure 24.19.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.19.2

To consider and approve curriculum and syllabi I and II semesters of M. Sc. Physics under Regulations 2025.

Note on Agenda:

In the 15th meeting of the Board of Studies of the Physics Department, the curriculum and syllabi I and II semesters of M. Sc. Physics under R-2025 were discussed and reviewed.

Based on the suggestions given by the external experts the following courses were revised.

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

a) Core courses with syllabus revisions: Semester I and II:

Course Code	Course Title	Credits	Revision %
PHF 6101	Classical Mechanics	4	20
PHF 6102	Mathematical Physics	4	20
PHF 6103	Condensed Matter Physics	4	20
PHF 6104	Materials Science Laboratory	2	20
PHF 6201	Electrodynamics	4	20
PHF 6202	Quantum Mechanics	4	20
PHF 6203	Advanced Electronics and Instrumentation	4	20
PHF 6204	Analog & Digital Electronics Lab	2	20

b) Elective Courses with syllabus revisions: Semester I and II:

Course Code	Course Title	Credits	Revision (%)
PHFY 101	Crystal Growth and Characterization	3	20
PHFY 102	Functional Materials and its Applications	3	20
PHFY 103	Laser and Nonlinear Optics	3	20
PHFY 104	Materials Characterization	3	20
PHFY 105	Nanoscience and Technology	3	20
PHFY 106	Optical Fiber Communication	3	20
PHFY 201	Ferroelectric Materials and Devices	3	20
PHFY 202	Introduction to Nonlinear Dynamics	3	20

PHFY 203	Numerical Methods and Programming	3	20
PHFY 204	Nanophotonic Devices and Applications	3	20
PHFY 205	Optical Modulators and Devices	3	20
PHFY 206	Optoelectronic Devices	3	20
PHFY 207	Photonic Materials and Devices	3	20
PHFY 208	Advanced Non-Destructive Testing	3	20

The curriculum and syllabi I and II semesters of M. Sc. Physics are given in [**Annexure 24.19.2.**](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF CHEMISTRY

Item 24.20

To consider and approve the recommendations of the 14th Meeting of Board of Studies of the Department of Chemistry held on 17.07.2025.

Item 24.20.1

To consider and approve the Curriculum and Syllabi for M.Sc. Chemistry Programme under Regulations 2025

Note on Agenda:

In the 14th meeting of the Board of Studies of the Chemistry Department, the curriculum and syllabi I and II semesters of M. Sc. Chemistry under R-2025 were discussed and reviewed.

Based on the suggestions given by the external experts the following courses were revised.

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

a) New core courses (proposed):

Course Code	Course Title	Credits
CHF6207	Mini Project	2
CHFY003	C Programme in Chemistry	3

CHFY015	Solid State Chemistry and Applications	3
CHFY017	Concepts and Techniques in Catalysis	3

b) Courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	% Revision
CHF7101	Synthetic Organic Chemistry II	3	60
CHF7102	Quantum Chemistry and Group Theory	3	40
CHF7103	Organometallics and its Applications	3	20
CHFY001	Analytical Techniques	3	25
CHFY002	Principles and Applications of Photophysics and Photochemistry	3	60
CHFY004	Basics of Forensic Chemistry	3	80
CHFY005	Molecular Spectroscopy with Structural Interpretation	3	25
CHFY006	Biomolecules	3	40
CHFY007	Biochemistry	3	50
CHFY008	Chemistry of Carbohydrates	3	20
CHFY009	Medicinal and Pharmaceutical chemistry	3	40
CHFY010	Advanced Concepts in Organic Synthesis	3	50
CHFY011	Nanomaterials and Applications	3	60
CHFY012	Corrosion and its Control	3	30
CHFY013	Polymer Science and Technology	3	20
CHFY014	Polymer Structure and Property Relationship	3	20
CHFY016	Green Chemistry	3	25
CHFY018	Alternative Energy Sources: Conversion and Storage	3	20
CHFY019	Biomass for Energy Applications	3	20
CHFY020	Industrial Pollution Control	3	20

The Curriculum and syllabi for the above mentioned courses of M. Sc. Chemistry under Regulations 2025 are given in [Annexure 24.20.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.20.2

To consider and approve the syllabi for B.Tech. I year Chemistry courses under Regulations 2025

Note on Agenda:

In the 14th meeting of the Board of Studies, the syllabi of chemistry courses offered by the Department of Chemistry for all I year of B.Tech. programmes under Regulations 2025 was discussed and reviewed by the Expert Members.

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

New courses introduced and courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision %
CHE 1181/ CHE 1281	Chemistry for Engineering Applications (for B.Tech. I Sem. Civil, Mech, Aero, Auto, and Poly / for B.Tech. II Sem. EEE, ECE, EIE, E&CE, CSE, IT, CS, IoT and AIDS)	4	New Course
CHE 1182	Biomolecules and Organic Chemistry (for B.Tech. I Sem. Biotechnology)	4	New Course
GEE 1105	Environmental Sciences (B.Tech. I Semester All Branches)	NC	20
CHE 1282	Industrial Organic Chemistry (for II Semester Polymer Engineering)	3	New Course
CHE 1283	Preparative Organic Chemistry Lab (for II Semester Polymer Engineering)	1	New Course
CHEX 01 (Elective)	Fuels, Combustion, Fuel Cell and Lubricants (for B.Tech. II Sem Aero & Auto)	3	40

The syllabi for the above mentioned courses is given in [Annexure 24.20.2](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.20.3

To consider and approve the Syllabus of Environmental Studies for BCA, B.Sc. Computer Science and B.Sc. Biotechnology Programme under Regulations 2025.

Note on Agenda:

In the 14th meeting of the Board of Studies, the syllabus of 'Environmental Studies' offered by the Department of Chemistry for the II semester of BCA, B.Sc. Computer Science and B.Sc. Biotechnology Programmes under R-2025 was discussed and reviewed by the Expert Members.

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

Course with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision %
GEE 1281	Environmental Studies	2	20

The syllabus for the above-mentioned course is given in [Annexure 24.20.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The Academic Council considered and approved the agenda item for implementation from the Academic Year 2025-26.

Item 24.20.4

To consider and approve the Syllabus of Research Methodology and IPR offered for M.Sc. Programmes under Regulations 2025

Note on Agenda:

In the 14th meeting of the Board of Studies, the syllabus of 'Research Methodology and IPR' offered by the Department of Chemistry for all M.Sc. Programmes under R-2025 was discussed and revised based on current requirement for research by the Expert Members.

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

Course with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision %
GEF 6202	Research Methodology and IPR	4	20

The syllabus for the above-mentioned course is given in [Annexure 24.20.4.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The Academic Council considered and approved the agenda item for implementation from the Academic Year 2025-26.

CRESCENT SCHOOL OF BUSINESS

Item 24.21

To consider and approve the recommendations of 18th Board of Studies of Crescent School of Business held on 27.06.2025.

Item 24.21.1

To consider and approve the new curricula and syllabi (Semester I & II) of MBA & MBA - IEV Programmes under Regulations 2025.

Note on Agenda:

In the 18th meeting of the Board of Studies of the Crescent School of Business, the curricula and syllabi for courses (Semesters I & II) under R-2025 were discussed and reviewed.

“Based on the suggestions given by Industry Experts / Academic Experts / Faculty / Alumni / Students / Parents and also based on the dynamic needs in the Industry and employability needs, the following courses were newly introduced or revised in MBA & MBA - IEV Programmes under R-2025.

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

I. Curricula of MBA & MBA - IEV Programmes

a) New courses proposed in MBA (in both I & II year):

Course Code	Course Title	Credits
MSF 6108	Business Environment	2
MSF 6111	Continuous Industry Readiness Programme I	1
MSF 6112	Business Practicum I	1
MSF 6113	Business Quest I	1

MSF 6210	Continuous Industry Readiness Programme II	1
MSF 6211	Business Practicum II	1
MSF 6212	Business Quest II	1
MSF 7101	International Business Management	2
MSF 7102	Project Management	3
MSF 7103	Sustainability Management and ESG	2
MSF 7104	Design Thinking	2
MSF 7106	Continuous Industry Readiness Programme III	1
MSF 7107	Business Practicum III	1
MSF 7108	Business Quest III	1
MSF 7202	Continuous Industry Readiness Programme IV	1
MSF 7203	Business Practicum IV	1
MSF 7204	Business Quest IV	1
MSFY 010	Marketing Analytics	3
MSFY 018	Strategic Financial Management	3
MSFY 024	Banking Management	3
MSFY 052	Decision Support System	3
MSFY 124	Artificial Intelligence	3
MSFY 125	Machine Learning	3
MSFY 126	Big Data Analytics	3
GEFY 154	Event Management	3
GEFY 155	Real Estate Management	3
GEFY 156	Management Consultancy	3
GEFY 157	Advanced Operations Research	3

b) New courses proposed in MBA - IEV (in both I & II year):

Course Code	Course Title	Credits
IEF 6202	Accounts and Finance for Start-ups	3
IEF 7201	Intellectual Property Rights (IPR)	2
IEF 6105	Business Practicum I	1
IEF 7103	Business Practicum II	1
IEFY 001	Techno Entrepreneurship	3
IEFY 002	Legal Aspects for Start-ups	3
IEFY 004	Product Design and Development	3
IEFY 005	Logistics and Supply chain Management	3

IEFY 006	Family Business Management	3
IEFY 007	Social Enterprise Management	3
IEFY 016	Pitching and Venture Funding	3
IEFY 017	Consumer Behaviour	3
IEFY 020	Product and Brand Management	3
IEFY 021	Talent Acquisition and Retention	3
IEFY 022	Project Management	3
IEF 6104	Economic Perspectives for Entrepreneurs	3

II. Syllabi revision in Semester I & II of MBA & MBA - IEV Programmes (AY 2025-26)

a) Courses with syllabi revisions in Semester I & II of MBA Programme (proposed):

Course Code	Course Title	Credits	Revision %
MSF 6101	Foundations of Management	2	10
MSF 6103	Quantitative Methods for Managerial Decisions	3	40
MSF 6105	Organizational Behaviour	2	25
MSF 6106	Legal Aspects of Business	3	10
MSF 6107	Entrepreneurship Development	3	60
MSF 6109	Computer Applications in Business Laboratory	1	20
MSF 6110	Business Communication	2	20
MSF 6201	Strategic Management	3	25
MSF 6202	Human Resources Management	3	10
MSF 6203	Financial Management	3	25
MSF 6204	Operations Management	3	20
MSF 6206	Research Methodology and Data Analysis	3	20
MSF 6207	Business Analytics	3	20
MSF 6208	Management Information System	3	15

b) Courses with syllabi revisions in Semester I & II of MBA - IEV Programme (proposed):

Course Code	Course Title	Credits	Revision %
IEF 6101	Entrepreneurial and Managerial Thinking	3	45
IEF 6102	Entrepreneurial Eco - System	3	55
IEF 6103	Design Thinking, Innovation, and Entrepreneurship	3	40
IEF 6201	Business plan Preparation and Validation	3	10

IEFY 003	Feasibility Analysis	3	20
----------	----------------------	---	----

The curriculum and syllabi of MBA and MBA - IEV programmes are given in [**Annexure 24.21.1 \(a\) and 24.21.1 \(b\)**](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.21.2

To consider and approve the new Regulations 2025 of MBA & MBA – IEV Programmes.

Note on Agenda:

In the 18th meeting of the Board of Studies of the Crescent School of Business, the new Regulations 2025 of MBA & MBA - IEV Programmes were discussed and reviewed.

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

I. Salient features of Regulations 2025 of MBA Programme

- The MBA Regulations 2025 have introduced additional academic components under Skill Development Courses and Ability Enhancement Courses, *which were not part of the MBA Regulations 2021.*
- The total credit requirement for the successful completion of the MBA programme is reduced to 101 credits in the 2025 Regulations, *revised from 106 credits in the 2021 Regulations.*
- In the 2025 Regulations, the number of elective courses to be chosen by the students has been increased to **8**, *compared to 6 in the 2021 Regulations.*
- The duration of the summer internship has been extended to a minimum of 8 weeks or 320 hours in the 2025 Regulations, *from a minimum of 6 weeks (as prescribed in 2021).*
- Applied Business Research component has been introduced in the final semester of the 2025 MBA programme, *replacing the general Project Work structure followed in the 2021 regulations.*

- To progress to the third semester, a student must earn a minimum of 28 credits under the 2025 Regulations,
whereas in the 2021 Regulations, the requirement was 45 credits to register for the final semester project.
- Redo course policy has been expanded in the 2025 Regulations, allowing students to register for up to 9 additional credits in a semester, subject to operational feasibility,
unlike the 2021 Regulations, which limited redo courses to a maximum of two per semester without specifying credit limits.
- The supplementary examination provision in the 2025 Regulations has been extended to include students with insufficient credits up to the second semester,
whereas the 2021 Regulations permitted this option only for final-year students.
- The evaluation of summer internship work in the 2025 Regulations includes external examiners,
while the 2021 version followed the department-assessed model for summer internship.
- the new online course (SWAYAM) clause allows up to 40% of the credits in any semester (except the 4th) to be taken as approved online courses, and these can replace both core and elective courses with proper approvals,
Compared to the 2021 regulation, which required students to complete only one MOOC in the final semester (minimum 3 credits, from the Management discipline on SWAYAM).

II. **Salient features of Regulations 2025 of MBA - IEV Programme**

- The total credits required have been slightly reduced to 103 in 2025 regulations,
from 104 in 2021.
- The 2025 regulation introduces an Ability Enhancement Course, titled Business Practicum, carrying 2 credits with 100% internal assessment.
- External examiner is introduced in the viva-voce panel for Capstone Projects and Action Learning Segments.
- The revised online course (SWAYAM) clause allows up to 40% of the credits in any semester (except the 4th) to be taken as approved online courses, and these can replace both core and elective courses with proper approvals,
compared to the 2021 regulation, which allowed students to take online courses (maximum of 8 credits) in lieu of courses in 3rd semester only.

The following changes have been done based on AICTE guidelines for MBA - IEV programme:

- The Capstone Project continues in three structured phases, but the total credits have been reduced to 6 from 12.
- Action Learning Segments (ALS) are still split into two phases. ALS-I has reduced from 14 to 6 credits (8 weeks), and ALS-II from 20 to 12 credits (16 weeks + mentoring).
- Skill Certification requirements have been streamlined to 8 credits, with at least 2 credits to be earned in each semester,
from a minimum of 14 flexible credits
- A major change is the introduction of Interdisciplinary Courses, offering 16 credits (minimum 4 per semester),
which were not available in the 2021 regulations.
- Core courses have been expanded from 20 to 26 credits, while electives have increased from 24 to 27 credits.
- A Professional Practice component has been newly introduced as a non-credit course, marked only as Pass or Fail.

The regulations 2025 of MBA and MBA (IEV) programmes are given in [Annexure 24.21.2 \(a\) and 24.21.2 \(b\)](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

DEPARTMENT OF ENGLISH

Item 24.22

To consider and approve the recommendations of 18th Board of Studies of Department of English held on 04.06.2025.

Item 24.22.1

To consider and approve the syllabi of the courses ENE 1183 General English I and ENE 1283 General English II for B.A/ BBA/ BCA/ B. Com/ B.Sc. programmes under Regulations 2025.

Note on Agenda:

The courses ENE 1183 General English I and ENE 1283 General English II are offered to the students of I & II semesters of B.A/ BBA/ BCA/ B.Com/ B.Sc. programmes under R- 2025.

The syllabi were discussed in the Board of Studies of the department and the same have been recommended for approval.

The syllabi of the courses ENE 1183 General English I and ENE 1283 General English II are given in [Annexure 24.22.1.](#)

The Academic Council may consider and approve the same for implementation from the odd semester of the Academic Year 2025–26.

Resolution:

The Academic Council considered and approved the agenda item for implementation from the Academic Year 2025-26.

Item 24.22.2

To consider and approve the syllabus of the course “ENE 1181 English for Engineers” for B.Tech. programmes and “ENE 1161 Communicative English Foundation & ENE 1262 Advanced Communicative English” for B.Tech. AI & ML under Regulations 2025.

Note on Agenda:

In line with the curriculum framework of B.Tech programmes under Regulations 2025, the course ENE 1181 English for Engineers for B.Tech. programmes and ENE 1161 Communicative English Foundation & ENE 1262 Advanced Communicative English for B.Tech. AI & ML are offered to the students of B.Tech in the first semester.

After meticulous review of the contents, the Board of Studies recommended the above courses for approval.

The syllabi of the above courses are given in [Annexure 24.22.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The Academic Council considered and approved the agenda item for implementation from the Academic Year 2025-26.

Item 24.22.3

To consider and approve the syllabus of the course ENF 6281 Professional Communication for M.A., MCA, M.Tech, and M.Sc. under Regulations 2025.

Note on Agenda:

As per the curriculum of PG programmes under Regulations 2025, the course ENF 6281 Professional Communication is offered to the students of M.A., MCA, M.Tech, and M.Sc. programmes in the second semester.

After due deliberations, the Board has recommended the approval of the same.

The syllabus of the course ENF 6281 Professional Communication is given in [Annexure 24.22.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Discussions:

Mr. K. Rakeeb Mohamed Mubeen suggested introducing Professional Communication as part of the undergraduate curriculum. In response, Dr. P. Ratna HOD/Dept. of English informed that a plan is already in place to offer the Professional Communication courses in the second and third years across all B.Tech. programmes.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.22.4

To consider and ratify the changes made in the assessment pattern of the course END 3212 Value Education offered to the students of VI semester B.A. English under Regulations 2021.

Note on Agenda:

The course END 3212 Value Education is offered to the students of VI semester B.A. English. Though the syllabus of this course was framed as a theory course, it has more practical/tutorial components. Therefore, it was required to conduct the exams with more weightage for practical components. Hence the assessment components were restructured with more weightage (60%) for internal components and 40% weightage for semester end examinations.

The assessment components are as follows:

Assessments	Components of assessment	Weightage
Internal	Assignments, seminars, speaking tests, group project, etc.	60 marks
End Semester Exam	To be conducted as laboratory exam	40 marks

After deliberations, the Board recommended the modified assessment pattern of the

course END 3212 Value Education offered to the students of VI semester B.A. English under Regulations 2021 from the AY 2024-25 for ratification.

The Academic Council may consider and ratify the same for implementation from the even semester of Academic Year 2024-25.

Resolution:

The agenda item was deliberated and ratified for implementation from the even semester of Academic Year 2024-25.

DEPARTMENT OF COMMERCE

Item 24.23

To consider and approve the recommendations of 21st Board of Studies of the Department of Commerce held on 01.07.2025.

Item 24.23.1

To consider and approve the curriculum and syllabi (Semester I & II) for the B.Com. (Honours / Honours with Research) under Regulations 2025.

Note on Agenda:

In the 21st meeting of the Board of Studies of the Department of Commerce, the curriculum and syllabi (Semester I & II) for the B.Com.(Honours/ Honours with Research) under R-2025 were discussed and reviewed.

Based on the suggestions from Industry Experts, Academic Experts, Faculty, Alumni, and Students, as well as the dynamic needs of the industry, emerging trends, and employability requirements, the following courses have been newly introduced and revised.

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

a) New courses proposed: Semester I & II (AY 2025-26)

Course Code	Course Title	Credits
Core Courses		
COE 1202	Legal Aspects of Business	4
Multi-Disciplinary Course (MDC)		
COEX 82	Consumer Behaviour	3
COEX 83	Managing Disruptive Technologies	3
COEX 92	Consumer Psychology	4
COEX 93	Introduction to Public Administration	4
Skill Enhancement Courses (SEC)		

COEX 112	Investing in Stock Markets	2
COEX 113	Python for Finance	2
Value Added Course (VAC)		
COEX 151	Value Education	2
COEX 152	Business Communication and Presentation Skills	2
COEX 153	Indian Constitution and Governance	2
COEX 161	Human Rights and Social Justice	2
COEX 162	Emotional Intelligence at the Workplace	2
COEX 163	Mind Management	2

b) Courses with syllabus revisions: Semester I & II (AY 2025-26)

Course Code	Course Title	Credits	Revision %
COE 1101	Financial Accounting	4	30
COE 1102	Business Organisation and Management	4	30
COE 1201	Advanced Financial Accounting	4	40
COEX 81	Business Economics	3	20
COEX 91	Business Mathematics and Statistics	4	30
COEX 111	Business Analytics using Excel and Access	2	20

The curriculum and syllabi for I & II semesters of the B.Com. (Honours / Honours with Research) under Regulations 2025 is given in [Annexure 24.23.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.23.2

To consider and approve the curriculum and syllabi for (Semester I & II) for the B.Com. (Accounts and Finance) Honours / Honours with Research under Regulations 2025.

Note on Agenda:

In the 21st meeting of the Board of Studies of the Department of Commerce, the syllabi for Programme Core and Professional Elective courses (Semesters I to II) under R-2025 were discussed and reviewed.

Based on the suggestions from Industry Experts, Academic Experts, Faculty, Alumni,

and Students, as well as the dynamic needs of the industry, emerging trends, and employability requirements, the following courses have been newly introduced and revised.

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

a) New courses introduced: Semester I & II (AY 2025-26)

Course Code	Course Title	Credits
COE 1111	Management Principles	4
COEX 362	Indian Economy	3
COEX 363	Elements of Insurance	3
COEX 371	Universal Human Values I	2
COEX 372	Introduction to Human Rights	2
COEX 391	MS office for Business Applications	2
COEX 392	Business Models for E- Commerce	2
COEX 393	Public Relations Management	2
COEX 401	Essential of Business Communication	2
COEX 402	Office management	2
COEX 403	Virtual Digital Assets	2
COEX 431	Fundamentals of Indian Constitution	2
COEX 432	Work Ethics and Positive Attitude	2
COEX 433	Health And Wellness	2
COEX 441	Value Education	2
COEX 442	Art of Public speaking	2
COEX 443	Emotional Intelligence	2
COEX 301	Business Legal Framework (DSE)	4
COEX 302	Fundamentals of Sustainable Development (DSE)	4
COEX 303	Event Management (DSE)	4

b) Courses with syllabus revisions:

Course Code	Course Title	Credits	Revision %
COE 1101	Financial Accounting	4	30
COE 1201	Advanced Financial Accounting	4	40
COEX 361	Business Economics	3	20
COEX 91	Business Mathematics and Statistics	4	30

The curriculum and syllabi for the I & II semesters of the B.Com. (Accounts and

Finance) Honours / Honours with Research under Regulations 2025 is given in [Annexure 24.23.2.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.23.3

To consider and approve the curriculum and syllabi (Semester I & II) for the B.Com. International Accounting & Finance with Honours/ Honours with Research under Regulations 2025.

Note on Agenda:

In the 21st meeting of the Board of Studies of the Department of Commerce, the curriculum and syllabi (Semester I & II) for the B.Com. International Accounting & Finance with Honours/ Honours with Research (integrated with ACCA UK, curriculum) under Regulations 2025 were discussed and reviewed.

Based on the suggestions from Industry Experts, Academic Experts, Faculty, Alumni, and Students, as well as the dynamic needs of the industry, emerging trends, and employability requirements, the following courses have been newly introduced and revised.

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

a) New courses proposed: Semester I & II (AY 2025-26)

Course Code	Course Title	Credits
Core Courses		
COE 1122	Business and Technology	4
Discipline Specific Elective (DSE)		
COEX 601	Services Marketing	4
COEX 603	Brand Management	4
Multi-Disciplinary Course (MDC)		
COEX 701	Managerial Economics	3
COEX 703	Economics and Society	3
COEX 711	Business Statistics and Analysis	4
COEX 712	Quantitative Techniques for Business Decisions	4
Ability Enhancement Courses (AEC)		
COEX 731	Corporate Journalism	3

COEX 732	Office Management	3
COEX 733	Business Correspondence and Report Writing	3
COEX 741	Human Values and Ethics	1
COEX 743	Professional Ethics and Social Responsibility	1
Skill Enhancement Courses (SEC)		
COEX 781	Excel & Access for Decision Making	2
COEX 782	Introduction to Database Management System	2
COEX 783	SQL for Beginners	2
COEX 791	Creative Thinking and Problem Solving	2
COEX 792	Office Automation	2
COEX 793	Fundamentals of Stock Market	2

b) Courses with syllabus revisions:

Course Code	Course Title	Credits	Revision %
COE 1121	Basics of Financial Accounting	4	20
COE 1222	Corporate Legal Framework	4	30
COEX 91	Business Mathematics and Statistics	4	30

The curriculum and syllabi for the I & II semesters of the **B.Com. International Accounting & Finance with Honours/ Honours with Research under Regulations 2025** provided in [Annexure 24.23.3.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.23.4

To consider and approve the curriculum and syllabi (Semester I & II) for the BBA Hons / Hons with Research under Regulations 2025.

Note on Agenda:

In the 21st meeting of the Board of Studies of the Department of Commerce, the curriculum and syllabi (Semester I & II) for the BBA Hons / Hons with Research under Regulations 2025 were discussed and reviewed.

Based on the suggestions from Industry Experts, Academic Experts, Faculty, Alumni, and Students, as well as the dynamic needs of the industry, emerging trends, and

employability requirements, the following courses have been newly introduced and revised.

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

a) New courses proposed: Semester I & II (AY 2025-26)

Course Code	Course Title	Credits
Core Course (CC)		
COE 1231	Economics for Decision Making	4
COE 1222	Corporate Legal Framework	4
Skill Enhancement Courses (SEC)		
COEX 1011	Excel and Spreadsheet for Business	2
COEX 1012	Data Analytics in Decision Making	2
COEX 1013	Digital Literacy for Business	2
COEX 1021	Stock Market Operations	2
COEX 1022	Critical Thinking & Business Problem Solving	2
COEX 1023	Business Environment and Public Policy	2
Multi-Disciplinary Courses (MDC)		
COEX 982	Industrial Relations and Employment Law	3
COEX 983	Knowledge Management	3
COEX 991	Financial Planning and Budgeting	4
COEX 992	Personality Development and Leadership	4
COEX 1052	Export and Import Procedures and Documentation	2
COEX 1053	AI in Business Decision Making	2

b) Courses with syllabus revisions:

New Code	New Title	Revised %
COE 1101	Financial Accounting	30
COE 1102	Business Organization and Management	30
COEX 431	Indian Constitution	45
COEX 981	Environmental Science	40
COEX 91	Business Mathematics and Statistics	30

The curriculum & syllabi of I & II semesters BBA Hons / Hons with Research programme under R-2025 are provided in [Annexure 24.23.4.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

DEPARTMENT OF PUBLIC POLICY

Item 24.24

To consider and approve the recommendations of 5th Board of Studies of the Department of Public Policy held on 14.08.2025.

Item 24.24.1

To consider and approve the curriculum and syllabi (Semester I & II) for the B.A. Public Policy (Honours / Honours with Research) under Regulations 2025

Note on Agenda:

In the 5th meeting of the Board of Studies of the Department of Public Policy, the curriculum and syllabi (Semester I & II) for the B.A. Public Policy Honours / Honours with Research under Regulations 2025 were discussed and reviewed.

Based on the suggestions from Industry Experts, Academic Experts, Faculty, Alumni, and Students, as well as the dynamic needs of the industry, emerging trends, and employability requirements, the following courses have been newly introduced and revised.

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

a) New Course proposed: Semester I & II (AY 2025-26)

Course Code	Course Title	Credits
Core Course		
PPE 1203	Indian Physiography	3
Discipline Specific Elective		
PE	Sustainable Development Goals	2
Value Added Course		
VAC	Map Work of India	2
VAC	Information and Communication Technology (ICT) and Public Policy	1

b) Courses with syllabus revision:

Course Code	Course Title	Credits	Revision %
Semester I			
LNE 1185	General Hindi – I	3	30
PPE 1101	Indian Constitutional Framework	4	30
PPE 1102	World Physical Geography	4	25
ELECTIVE	NCC	2	50
Semester II			
LNE 1285	General Hindi – II	3	50
PPE 1202	Ancient Indian History	3	30
ELECTIVE	NCC	2	60

The curriculum and syllabi for I & II semesters of the B.A Public Policy (Honours / Honours with Research) under Regulations 2025 provided in [Annexure 24.24.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

Following discussions, the agenda item was approved for implementation from the Academic Year 2025-26.

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

Item 24.25

To consider and approve the recommendations of 7th Board of Studies of the School of Social Sciences and Humanities held on 01.07.2025 and 14.07.2025.

Item 24.25.1

To consider and approve the syllabi for the Universal Human Values (UHV) course for all the B.Tech. programmes under Regulations 2025.

Note on Agenda:

In the 7th meeting of the Board of Studies of the School of Social Sciences and Humanities, the syllabi for Universal Human Values (UHV) course offered in II semester for the all the B.Tech. Engineering programmes under Regulations 2025 were discussed and reviewed.

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

Academic council.

a) New courses proposed: Semester II (AY 2025-26)

Course Code	Course Title	Credits
GEE 1205	Universal Human Values	2

The syllabus of above course is given in [Annexure 24.25.1.](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.25.2

To consider and approve the syllabi of Language Elective course “German” and “Tamil” for the Arts and Science programmes under Regulations 2025.

[Note on Agenda:](#)

In the 7th meeting of the Board of Studies of the SSSH-German and Tamil, the syllabi for Language Elective courses of Semesters I and II of the B.Com.(Accounts & Finance (Hons)) and B.Com (Hons), BBA(Hons), B.Sc. (Bio-Tech), B.Sc. (CS), B.Sc. (Aviation), BCA. (All) and B.A. (English) programme under Regulations 2025 were discussed and reviewed.

“Based on the suggestions given by Academic Experts the following courses were revised”.

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

a) New Courses (proposed): Semester I & II (AY 2025-26)

Course Code	Course Title	Credits
LNE 1181	Tamil I	3
LNE 1281	Tamil II	3

b) Courses with syllabus revisions (proposed): Semester I & II (AY 2025-26)

Course Code	Course Title	Credits	Revision (%)
LNE 1182	German I	3	40
LNE 1282	German II	3	50

The syllabi of the above courses are given in [Annexure 24.25.2 \(a\) and 24.25.2 \(b\).](#)

The Academic Council is requested to consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

CRESCENT SCHOOL OF LAW

Item 24.26

To consider and approve the recommendations of 11th Board of Studies of the Crescent School of Law held on 24.06.2025.

Item 24.26.1

To consider and approve the syllabi for Programme Core, Clinical Courses and Professional Elective courses for Semesters V to X of the B.B.A L.L.B (Hons.) and B.A. L.L.B (Hons.) under Regulations 2023.

Note on Agenda:

In the 11th meeting of the Board of Studies of the Crescent School of Law, the syllabi for both programmes B.B.A LL.B (Hons.) and B.A. LL.B (Hons.) were reviewed semester-wise (Semesters V to X) under R-2023, with detailed discussions on course titles, module structures, reference materials, and the inclusion of emerging topics.

Based on the dynamic needs in the Industry or emerging trends or employability needs the following courses were newly introduced under 2023 Regulation

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

a) New courses proposed: Semester V to X

Course Code	Course Title	Credits
BLE 3101	Entrepreneurial Development	4
BLE 3102	Financial Services	4
BLE 3103	Government Administration & Political Parties in Tamil Nadu	4
BLE 3104	Parliamentary System in India	4
BLE 3105	Interpretation of Statutes – Honours – II	4
BLE 3106	Law of Crimes	4
BLE 3107	Labour Law – I	4
BLE 3181	Foundational Computer Applications and Legal Databases	2
BLE 3182	Foundational Technology in Legal Procedures and Case	2

	Management	
BLE X011	Gender Justice and Feminist Jurisprudence	4
BLE X012	Right to Information and Good Governance	4
BLE X013	Comparative Constitutional Law	4
BLE X014	Legislative Drafting	4
BLE 3201	Strategic Management	4
BLE 3202	Public Finance	4
BLE 3203	Indian Administration	4
BLE 3204	Local Governments	4
BLE 3205	Professional Ethics (Clinical Course – I)	4
BLE 3206	Law of Evidence	4
BLE 3207	Labour Law – II	4
BLE X021	Media Law	4
BLE X022	Health Law and Bio-Ethics	4
BLE X023	Maritime Law	4
BLE X024	Telecommunication Laws	4
BLE 4101	Human Resource Management	4
BLE 4103	Mediation and Other Forms of Alternative Dispute Resolution (Clinical Course – II)	4
BLE 4104	Civil Procedure Code	4
BLE 4105	Administrative Law	4
BLE 4106	Property Law	4
BLE X031	Disaster Management and Law	4
BLE X032	Food and Drug Laws	4
BLE X033	Local Laws of Tamil Nadu	4
BLE X034	Sports Law	4
BLE 4201	Quality Management	4
BLE 4202	E-Governance	4
BLE 4203	Intellectual Property Rights – Honours – III	4
BLE 4204	Law Relating to Criminal Procedure	4
BLE 4205	Company Law	4
BLE 4206	Public International Law	4
BLE X041	Criminology, Penology and Victimology	4
BLE X042	Forensic Law	4
BLE X043	Child Protection and Welfare Laws	4

BLE X044	International Criminal Law	4
BLE 5101	Drafting, Pleading and Conveyancing (Clinical Course – III)	4
BLE 5102	Competition Law – Honours – IV	4
BLE 5103	Cyber Law – Honours – V	4
BLE 5104	Land Laws Including Tenure & Tenancy System – Honours – VI	4
BLE 5105	Law of Taxation	4
BLE X051	Private International Law	4
BLE X052	International Trade Law	4
BLE X053	International Humanitarian & Refugee Law	4
BLE X055	Artificial Intelligence and Law	4
BLE 5201	Moot Court (Clinical Course – IV)	4
BLE 5202	Banking Law – Honours – VII	4
BLE 5203	Insurance Law – Honours – VIII	4
BLE 5204	Environmental Law	4
BLE 5205	Internship & Practical Training	4
BLE X061	Bankruptcy and Insolvency Law	4
BLE X062	Investment and Securities Law	4
BLE X063	Energy Law	4
BLE X064	Block-chain Technology and Laws	4

The curriculum and syllabi for the V- X semesters of the B.B.A. L.L.B (Hons.) and B.A. L.L.B (Hons.) programme under R-2023 are given in [**Annexure 24.26.1.**](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025–26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.26.2

To consider and ratify the syllabi of Foundational courses (Semester IV) of B.B.A. LL.B (Hons.) and B.A. LL.B (Hons.) under Regulations 2023.

[Note on Agenda:](#)

In the 11th meeting of the Board of Studies of Crescent School of Law, the syllabi of the Foundational Language courses (Semester IV) were deliberated. In compliance with the

mandate of the Bar Council of India to introduce regional and foreign language courses in the integrated law curriculum, and to enhance students' employability and legal communication skills, the following new courses were introduced and the syllabi were reviewed by academic experts and industry representatives:

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

a) New courses (ratified): Semester IV (AY 2024-25)

Course Code	Course Title	Credits
BLE 2281	Foundational Tamil and Translations	2
BLE 2282	Foundational German and Translations	2
BLE 2283	Foundational Arabic and Translations	2

The curriculum and syllabi of the courses (IV semester) the B.B.A. LL.B (Hons.) and B.A. LL.B (Hons.) programme under R-2023 is given in [Annexure 24.26.2.](#)

The Academic Council may consider and ratify the same for implementation from the even semester of the Academic Year 2024–25.

Resolution:

The agenda item was deliberated and ratified for implementation from the even semester of Academic Year 2024-25.

SCHOOL OF ARABIC AND ISLAMIC STUDIES

Item 24.27

To consider and approve the recommendations of 18th Board of Studies of the School of Arabic and Islamic Studies held on 21.07.2025.

Item 24.27.1

To consider and approve the revised syllabi of programme core of B.A. Islamic Studies under Regulations 2021 and language elective course of B.Com, BBA, BCA & BSc. programmes under Regulations 2025.

Note on Agenda:

In the 18th meeting of Board of Studies of School of Arabic and Islamic Studies the syllabi of programme core of B.A. Islamic Studies under R 2021 and language elective course (Semester I & II) of B. Com, BBA, BCA & B Sc. under R-2025 were deliberated.

Based on the suggestions given by Academic Experts the following courses were revised.

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

Courses with syllabus revisions (proposed):

Course Code	Course Title	Credits	Revision %
ISD 2211	Arabic Prose and Poetry	3	30.
ISD 1217	Islamic History: Seerah & Caliphate Period	3	20
LNE 1283	Modern Communicative Arabic	3	20
LNE 1183	Arabic Language	3	20

The revised the syllabi of programme core of B.A. Islamic Studies and language elective course of B.Com., BBA, BCA & BSc. Programmes are given in [Annexure 24.27.1.](#)

The Academic Council may consider and approve the same for implementation from the odd semester of the Academic Year 2025-26.

Resolution:

The academic council considered and approved the agenda item for implementation from the Academic Year 2025-26.

Item 24.27.2

To consider and ratify revised the syllabi of programme core of B.A. Islamic Studies under Regulations 2021 and foundational elective course of BBA L.L.B & B.A L.L. B programmes under Regulations 2023.

Note on Agenda:

In the 18th meeting of Board of Studies of School of Arabic and Islamic Studies the syllabi of programme core of B.A. Islamic Studies under R 2021 and foundational elective course of BBA L.L.B & BA L.L.B programmes under R-2023 were deliberated.

Based on the suggestions given by Academic Experts the following courses were revised.

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

a) New courses (ratified): (Semester IV B.A L.L. B & BBA L.L.B)

Course Code	Course Title	Credits
BLE 2283	Foundational and Arabic Translations	3

b) Courses with syllabus revisions (ratified): (Semester I & III - BA Islamic studies)

Course Code	Course Title	Credits	Revision %
ISD 1101	Basic Arabic	3	20
ISD 1107	Arabic Comprehension	3	25
ISD 2104	Advanced Communicative Arabic	3	20

The revised the syllabi of programme core courses of B.A. Islamic Studies and foundational elective course of BBA L.L.B & BA L.L.B programmes are given in [Annexure 24.27.2.](#)

The Academic Council may consider and ratify the same for implementation from the even semester of the Academic Year 2024–25.

Resolution:

The agenda item was deliberated and ratified for implementation from the Academic Year 2024-25.

SCHOOL OF LIFE SCIENCES

Item 24.28

To consider and approve the recommendations of 10th Meeting of Board of Studies of the School of Life Sciences held on 22.08.2025.

Item 24.28.1

To consider and approve the curriculum and syllabi all semesters for (a) B.Tech. Biotechnology (b) M.Tech. Biotechnology (c) M.Tech. Food Biotechnology (d) B.Sc. Biotechnology (e) M.Sc. Biotechnology (f) M.Sc. Microbiology programmes of School of Life Sciences under Regulation 2025.

Note on Agenda:

The institution implements major revisions in the curriculum and syllabi of all B.Tech. Programmes once in four years. As part of this major revision, the curriculum and syllabi of (a) B.Tech. Biotechnology (b) M.Tech. Biotechnology (c) M.Tech. Food Biotechnology (d) B.Sc. Biotechnology (e) M.Sc. Biotechnology (f) M.Sc. Microbiology programmes of School of Life Sciences is revised and were deliberated in the 10th meeting of Board of Studies of the School of Life Sciences. After deliberations, the Board has recommended the same for

approval in the Academic Council.

The Curriculum and syllabi of the same are given in [Annexure 24.28.1 \(a\), 24.28.1 \(b\), 24.28.1 \(c\), 24.28.1 \(d\) 24.28.1 \(e\), and 24.28.1 \(f\)](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Item 24.28.2

To consider and approve the curriculum and syllabi for new programmes

(a) M.Sc. Stem Cell Technology and Regenerative Medicine and (b) M.Sc. Clinical Embryology of School of Life Sciences under Regulation 2025.

Note on Agenda:

By considering the advanced technological developments and current market trends the school of life sciences is proposed to offer the new programmes (a) M.Sc. Stem cell Technology and Regenerative Medicine (b) M.Sc. Clinical Embryology were deliberated in the 10th meeting of Board of Studies of the School of Life Sciences. After deliberations, the curriculum and syllabi of the same has been recommended by the Board for approval in the Academic Council.

The Curriculum and syllabi of the same are given in [Annexure 24.28.2 \(a\) and 24.28.2 \(b\).](#)

The Academic Council may consider and approve the same for implementation from the Academic Year 2025-26.

Resolution:

The agenda item was deliberated and approved for implementation from the Academic Year 2025-26.

Any other suggestions/ discussions:

Before concluding, the members made the following suggestions:

- **Dr. Ranjani Parthasarathy** proposed introducing a course on Prompt Engineering for students of all branches, emphasizing its multidisciplinary relevance. She suggested that the course could be jointly offered by the Departments of Computer Science and Information Technology.
- **Dr. Siva Kumar G** recommended giving greater emphasis to project components across courses to strengthen students' industry-relevant skills such as problem-solving, teamwork, and communication. He also suggested integrating AI applications within project work.
- **Mr. K. Rakeeb Mohamed Mubeen** appreciated the introduction of new courses and highlighted the need to sustain faculty expertise. He suggested extending mini-projects to all semesters (5th–8th) for CSE, MCA, and IT programmes, encouraging individual project work in areas such as game and app development. He also recommended incorporating Universal Human Values *across programmes and introducing a course on Product Management in the IT Sector.*
- **Mr. Vijay Karthik** (Student Representative, CSE) shared that students are currently working on projects in *Cloud Computing*, *Big Data*, and *Cloud SQL*, and are exploring internship opportunities with reputed MNCs such as Google Cloud, IBM, Microsoft, and Oracle.
- **Ms. Sara** (Student Representative, Commerce) suggested introducing a course on *Financial Modelling* in the new curriculum.
- **Dr. G. Sivakumar**, Head – Campus to Corporate Programme and Chief Mentor, Vision Excellence Consulting Pvt. Ltd., Chennai, shared a set of comprehensive recommendations aimed at strengthening curriculum design, employability skills, research, and industry linkages. He emphasized aligning curriculum and pedagogy with industry needs through the integration of Lean principles, Six Sigma methodologies, project-based learning, and AI-enabled digital transformation. The suggestions highlighted the inclusion of practical and interdisciplinary components, enhancement of student skills in problem-solving, teamwork & communication and the adoption of structured industrial projects under a "Win-Win Framework" with industry mentorship. Further, he recommended establishing Centers of Excellence in Lean, AI, and Sustainability, promoting applied research and innovation, and enhancing alumni and global engagement to improve academic quality and graduate employability.

Vote of thanks by the Registrar

The Registrar sincerely thanked all members of the Academic Council for their participation, both online and in person, and appreciated their valuable suggestions and recommendations. He also commended the team from the Office of the Dean of Academic Affairs for their thorough presentation of agenda items and efficient management of logistics. Additionally, he expressed gratitude to the Deans, Directors, Heads of Departments, and all other members for their active participation and cooperation in conducting the meeting.



REGISTRAR
REGISTRAR

B.S. Abdur Rahman

Crescent
Institute of Science & Technology
Vandalur, Chennai-600 048



VICE CHANCELLOR

VICE CHANCELLOR

B.S. Abdur Rahman

Crescent
Institute of Science & Technology
Vandalur, Chennai-600 048