

OFFICE OF DEAN (ACADEMIC AFFAIRS)

Ref.: 697(D) /Dean (AA)/2021

Date: 31.12.2021

ACADEMIC YEAR: 2020 – 21

Analysis on Students Feedback: Action Taken Report

A. The various source of feedback from the students obtained and analysed during the Academic Year 2020-21:

- Feedback Level I & II (About the course & course teacher) during the odd and even semesters.
- Feedback obtained from students through the statutory meetings viz. Board of Studies / IQAC / School level advisory committee etc.
- Institution website (online)
- Exit survey from graduating students
- Students satisfaction survey (conducted by IQAC)

The feedbacks were collected and collated in the Department level / Institution level and important suggestions / comments / remarks given by the students to enhance the curriculum, syllabi and other administration activities. The following are the salient points considered for further course of action.

A1: Offering more skill based software courses, application oriented courses and courses on advanced topics.

A2: Increasing the period of internship and frequency of field visits.

A3: Offering value added courses & project based learning courses.

A4: Removing of irrelevant courses from the curriculum & including of new courses, emphasizing on cutting edge technology and societal relevance.

B. Details of Action Taken

- A1 & A4 was considered during major revision of curriculum & syllabi of UG Engineering and Arts & Science programmes; and MBA under Regulations 2021. More courses oriented towards skill, knowledge enhancement and

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cutting edge technologies were introduced. The sample agenda items emphasizing A1 and A4 in the 17th meeting of Academic Council which was held on 15.07.21, were 17.5.1, 17.18.1 and 17.19.1. (Page No. 31, 32, 67, 68, 71 and 72 of minutes of 17th Academic Council meeting)

- A2 was considered in the revision of curriculum and syllabi of programmes under Regulations 2021. The industry internship was made mandatory, and guidelines for industrial visits were also given in the Regulations 2021. Moreover 8th semester of UG Engineering programmes was identified solely for project work / industry or academia based project work. The agenda items in the 17th meeting of academic council emphasized A2 were 17.2.2 and 17.2.3. (Page No. 21, 22 and 23 of minutes of 17th Academic Council meeting)

- A3 was considered as agenda item 17.2.5, 17.5.1, 17.5.4, 17.7.4, 17.10.1, 17.20.1 and 17.21.1 in the 17th meeting of Academic Council, which was held on 15.07.21. (Page No. 25, 31, 32, 34, 42, 43, 48, 48, 74 and 75 of minutes of 17th Academic Council meeting).

Annexure: Highlighted pages of Minutes of 17th Academic Council meeting.


Dean, Academic Affairs
21/12/2021
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B.S. Abdur Rahman

Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956
GST Road, Vandalur, Chennai 600 048

Minutes of the

Seventeenth Meeting of the Academic Council

of

B.S. Abdur Rahman Crescent Institute of Science & Technology,

held on

July 15, 2021

Online Meeting

Resolution:

The agenda item was approved.

Item 17.2.2

To consider and approve the B.Tech. Regulations 2021 and BA / BBA / B.Com. / BCA / B.Sc. Regulations 2021.

Note on Agenda:

It is the practice of the Institution to bring major revision in curriculum and syllabi of B.Tech. Programmes once in 4 years 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.

The salient features of the B.Tech. Regulations 2021 are:

- The eligibility criteria for the admission have been updated in line with AICTE guidelines.
- Introduction of additional clauses for the admission of students who pursued B.Sc. programmes and vocational streams.
- Mandatory three-week induction programme was introduced in the first semester.
- Inclusion of mandatory non credit courses as per AICTE guidelines.
- Two mandatory industry internship at the end of second and third year of study.
- Mandatory industrial visit by student's at least once in a year.
- Mandatory skill based courses in the curriculum to enhance communication skills and report writing, and skills to face placement interviews / competitive examinations.
- Introduction of new structure of courses viz., value added course, skill based course and employability enhancement course.
- Introduction of condonation under the attendance requirement clause.
- Specific procedure for handling students availing break of study.
- Mandatory enrollment in professional development activities.

Note: The curricula of engineering programmes were framed such that to facilitate the exit of students during the period of study (i.e. award of diploma at the end of second year of study) as emphasized in National Education Policy 2020.

B.A. / B.B.A / B.Com. / BCA / B.Sc. Regulations 2021

The salient features of the regulations are

- Introduction of new structure of courses inline 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
- Guidelines are provided for industry internship.
- Mandatory industrial visit by students at least once in a year.
- 10% credits in a semester can be pursued through SWAYAM and apply for credit transfer.
- Introduction of condonation under attendance requirement clause.
- Specific procedure for handling students availing break of study.
- Mandatory enrollment in professional development activities

The B.Tech. Regulations 2021 is given in [Annexure 17.2.2\(a\)](#) and B.A. / BBA / B.Com. / BCA / B.Sc. Regulations 2021 is given in [Annexure 17.2.2\(b\)](#).

The Academic Council may consider and approve the B.Tech. Regulations 2021 and B.A. / BBA / B.Com. / BCA / B.Sc. Regulations 2021 for implementation from the academic year 2021-22.

Discussions:

The external members informed to verify the eligibility clause for admissions to B.Tech programmes in line with AICTE guidelines.

Resolution:

After detailed deliberations, the B.Tech. Regulations 2021 and B.A. / BBA / B.Com. / BCA / B.Sc. Regulations 2021 were approved.

Item 17.2.3

To consider and approve the B.Arch. Regulations 2021 and B.Des. Regulations 2021 for implementation from the academic year 2021-22.

Note on Agenda:

It is the practice of the Institution to effect the major revision in curriculum and syllabi of B.Arch programmes once in 5 years considering the industry trends, employment opportunities and societal needs and also to satisfy the Council of Architecture and other 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 5 years was also considered during the revision. In the similar way, the B.Des. Regulations were revised after four years.

The salient features of the B.Arch. Regulations 2021 are:

- Inclusion of agile learning curriculum as per National Educational Policy,

facilitating intermittent exit of students.

- Mandatory educational tour for student's at least once in a year.
- The structure of the programme include open electives – between B.Arch and B.Des programme, Online courses, Summer school course , Clubs & Societies, value added course, skill based course and employability enhancement course.
- Credits requirement is 270 credits out of which 254 credits to be gained from mandatory core courses, remaining 6% of credits is flexible [Open electives/online courses/Summer school courses]
- Contact hours of only 28 periods/ hours out of 34 periods/ hours in a week and remaining 6 hrs will be left to the students to engage in online courses, open electives & Club activities.

The salient features of the B. Des. Regulations 2021 are:

- Inclusion of mandatory non credit courses as per AICTE guidelines.
- Inclusion of agile learning curriculum as per National Educational Policy, 2020.
- Introduction of new structure of courses viz., value added course, skill based course and employability enhancement course.
- Students are also offered the following new streams of subjects.
 01. Open electives – Between B.Arch and B.Des. programme
 02. Online courses
 03. Summer school course
 04. Clubs & Societies
- The Students will have maximum contact hours of 28 hrs. (out of 34 hrs.) in a week, remaining 6 hrs. will be left for the students to involve in online courses and club & Societies activities.
- The students have flexibility to peruse other areas of interest like club activities, workshops, etc.
- Inclusion of summer term courses to enhance the skills of the students.
- The students will have to gain a min. of 210 credits to earn the B.Des degree, out of which 198 credits to be gained from mandatory core courses and the remaining 6% of credits is flexible [Open electives/online courses/Summer school courses]

The B.Arch. Regulations 2021 and B.Des. Regulations 2021 are given in Annexure [17.2.3\(a\)](#) and [17.2.3\(b\)](#).

The Academic Council may consider and approve the B.Arch. Regulations 2021 and B.Des. Regulations 2021 for implementation from the academic year 2021-22.

academic Institutions will be emphasized.

- The program is intended to give opportunities for students aspiring to become entrepreneurs.

The MBA Regulations 2021 and MBA (IEV) Regulations 2021 are given in Annexure [17.2.4 \(a\)](#) and [17.2.4 \(b\)](#)

The Academic Council may consider and approve the MBA Regulations 2021 and MBA (IEV) Regulations 2021 for implementation from the academic year 2021-22.

Discussions:

Prof. Thangamuthu suggested that entrepreneurship can be provided as an elective for all MBA specializations. He opined that MBA (IEV) programme may attract more admissions than the regular MBA.

Resolution:

After deliberations, the MBA Regulations 2021 and MBA (IEV) Regulations 2021 were approved.

Item 17.2.5

To consider and approve the Regulations 2021 for Minor degree programmes offered for B.Tech. students.

Note on Agenda:

The AICTE facilitates the students to pursue a minor degree programme in different specializations as per AICTE approval process handbook 2020-21. Based on these guidelines the Institution offers the minor degree programmes such as Artificial Intelligence and Machine Learning, Block Chain, Cyber Security, Data Science, Virtual and Augmented Reality, Sensor Technology, Electric Vehicles, Internet of Things (IoT), Industrial Automation, Robotics, 3D Printing, GIS and Remote Sensing and Computational Biology for the students admitted in the academic year 2020-21. The curriculum was framed such that the students shall pursue courses upto 18-20 credits in the relevant minor degree programme starting from the second year of study. This necessitates framing of separate regulations for minor degree programmes.

The Regulations for minor degree programme R 2021 is given in [Annexure 17.2.5](#).

The Academic Council may consider and approve the same for the implementation from the academic year 2021-22.

Discussions:

Prof. Thangamuthu suggested that the Arts and Science stream students can also be given an option of pursuing Minor Degree programmes.

- For the Semester End Examinations of all theory courses of the Even Semester of the Academic Year 2020-21, the question paper pattern which was already approved in the 16th Meeting of Academic Council will be implemented in the even semester 2020-21:

5 and 6 Module Courses	4 and less than 4 Module Courses
<p align="center">PART – A</p> Short Answer: 20 x 2 = 40 Marks At least 3 Questions from Each Module	<p align="center">PART – A</p> Short Answer: 20 x 2 = 40 Marks 5 Questions from Each Module
<p align="center">PART – B (5 x 12 = 60 Marks)</p> Answer any 5 Questions out of 7 Questions At least 1 Question from Each Module Question Type: Descriptive and Open Choice	<p align="center">PART – B (3 x 20 = 60 Marks)</p> Answer any 3 Questions out of 5 Questions At least 1 Question from Each Module Question Type: Descriptive and Open Choice
Max Marks: 100 Duration: 150 Minutes (+30 Minutes of uploading of Answers)	Max Marks: 100 Duration: 120 Minutes(+30 Minutes of uploading of Answers)

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved.

ITEMS MOVED BY CHAIRMAN, BOARD OF STUDIES

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 17.5

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

Item 17.5.1

To consider and approve the curriculum and syllabi of B.Tech. Computer Science & Engineering under Regulations 2021.

Note on Agenda:

The Institution follows the best practice of effecting major revision in curriculum and syllabi of B.Tech. Programmes once in four 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 is in addition to the revision in curriculum and syllabi of programmes

facilitated once in six months.

As part of major revision, the curriculum and syllabi (I and II semester) of B.Tech. Computer Science was thoroughly revised. The salient features of the curriculum revision are as follows

Based on the feedback from faculty and school level advisory committee the following new courses (Core and elective courses) were **introduced** in the B.Tech. CSE R 2021:

Programme Core Courses

1. CSD 2101 - Python Programming
2. CSD 2105 - Python Programming laboratory
3. CSD 2201 - Computer Communication and Networks
4. CSD 2206 - Computer Communication and Networks Laboratory
5. CSD 3201- Big Data Analytics
6. CSD 3101 -Internet and Web Programming
7. CSD 3105 - Internet and Web Programming laboratory
8. CSD 1201- Object Oriented Programming
9. CSD 4101 - Block Chain Technology

Professional Elective Courses

1. CSDX 235 -High performance computer architecture
2. CSDX 141 - Dockers and Containers
3. CSDX 142 - AI Chat bot application
4. CSDX 236 - Natural Language processing
5. CSDX 122 - Quantum Computing
6. CSDX 223 - Internet of Things
7. CSDX 139 - Micro Services architecture
8. CSDX 113 - Data Science for Engineers
9. CSDX 127 - Web Hacking and Security
10. CSDX 109 - Software Metrics and testing
11. CSDX 232 - Software Integration and Maintenance
12. CSDX 102 - Distributed Computing
13. CSD 212 - Information Ethics and Visualization
14. CSDX 134 - Software Project Management
15. CSDX 121 - Graph Theory and Application


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These revisions were discussed in the 18th Meeting of Board of Studies of the Department of Computer Science and Engineering and the board has recommended for approval.

and M.Tech. Data Science are to be introduced from the academic year 2021-22. The curricula and syllabi of courses (I semester) of the above programmes were deliberated in the 18th Meeting of Board of Studies of the Department of Computer Science and Engineering and the board has recommended the same for approval.

The curricula and the syllabi of I semester courses of M.Tech. Artificial Intelligence & Data Science and M.Tech. Data Science under Regulations 2019 are given in [Annexure 17.5.3.a](#), and [Annexure 17.5.3.b](#).

The Academic Council may consider and approve the same for implementation from academic year 2021-22.

Resolution:

The agenda item was approved.

Item 17.5.4

To consider and approve the revised curriculum and syllabi of courses (III to VIII Semesters) of B.Tech. (Artificial Intelligence and Data Science), B.Tech. CSE (Internet of Things) and B.Tech. CSE (Cyber Security) under Regulations 2017.

Note on Agenda:

The B.Tech. (Artificial Intelligence and Data Science), B.Tech. CSE (Internet of Things) and B.Tech. CSE (Cyber Security) were introduced in the academic year 2020 -21. The syllabi of I and II semesters were already approved in the 15th Meeting of Academic Council. The syllabi of III to VIII semesters courses of B.Tech.(Artificial Intelligence and Data Science), B.Tech. CSE (Internet of Things) and B.Tech. CSE (Cyber Security) were framed after discussions in various department level meetings. The syllabi of courses were discussed in the 17th Meeting of Board of Studies of the Department of Computer Science and Engineering and the board has recommended for approval.

The curriculum and the syllabi of III to VIII semester courses of B.Tech. (Artificial Intelligence and Data Science), B.Tech. CSE (Internet of Things) and B.Tech. CSE (Cyber Security) under Regulations 2017 are given in [Annexure 17.5.4.a](#), [17.5.4.b](#) and [17.5.4.c](#).

The Academic Council may consider and approve the same for implementation from academic year 2021-22.

Resolution:

The agenda item was approved.

Item 17.5.5

To consider and ratify the revised curriculum and syllabi of B.Tech. (Artificial

of Board of Studies of the Department of Computer applications and the board has recommended the same for approval.

The syllabi of III and IV semester courses of two year MCA programme under Regulations 2019 are given in [Annexure 17.7.2.](#)

The Academic Council may consider and approve the same for implementation from academic year 2021-22.

Resolution:

The agenda item was approved.

Item 17.7.3

To consider and approve the curriculum and syllabi of MCA programme offered in ODL and OL mode under Regulations 2021.

Note on Agenda:

Department of Computer Applications has proposed to introduce the MCA programme in ODL and OL mode under Regulations 2021 from the academic year 2021-22.

The Board of Studies of the Department of Computer Applications recommended to follow the existing curriculum and syllabi of MCA (2 year programme) under Regulations 2019. The PPR (Programme Project Report), SLM (Self Learning Material) and E – Learning Material of the courses offered in the programme were also deliberated and recommended for approval.

The curriculum and syllabi of MCA programme offered in ODL and OL mode under Regulations 2021 are given in [Annexure 17.7.3.](#)

The Academic Council may consider and approve the same for implementation from the academic year 2021-22.

Resolution:

The agenda item was approved.

Item 17.7.4

To consider and approve the syllabus of value added course “IoT and Big Data” offered to BCA, B.Sc. Computer Science and MCA programmes.

Note on Agenda:

The syllabus of the value added course “IoT and Big Data” proposed to be offered to the BCA, B.Sc. Computer Science and MCA programmes was deliberated in detail in the 15th Meeting of Board of Studies of the Department of Computer Applications and the board has recommended for approval.

The syllabus of the course “IoT and Big Data” is given in [Annexure 17.7.4](#).

The Academic Council may consider and approve the same with effect from academic year 2021-22.

Resolution:

The agenda item was approved.

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCES

Item 17.8

To consider and approve the recommendations of the Board of Studies of the Department of Mathematics and Actuarial Science.

Item 17.8.1

To consider and approve the Mathematics courses offered by the Department of Mathematics and Actuarial Science to the B.Tech. Programmes under Regulations 2021.

Note on Agenda:

As per the suggestions from the faculty members of various departments, it was proposed to offer mathematics courses (with applications) to B.Tech. Programmes relevant to their branch of study. In line with the above objective domain specific mathematics courses are to be offered in the I, II and III /IV semester of B.Tech. Programmes R2021.

I Semester:

MAD1181 Algebra and Differential Calculus

MAD 1182 Biomathematics

II Semester

MAD 1281 Advanced Calculus

MAD 1282 Biostatistics

MAD 1283 Partial Differential Equations and Transforms

MAD 1284 Statistics

MAD 1285 Linear Algebra

III Semester

MADX01 Transforms and Partial Differential Equations

MADX02 Discrete Mathematics

MADX03 Probability and Statistics

MADX04 Random Processes

MADX05 Numerical Methods

IV Semester

MAD2181 Statistics for Data Analysis

MAD 2182 Probability and Statistics

Studies of the Department of Electrical and Electronics Engineering and the board has recommended the same for approval.

The detailed syllabi of the courses are given in [Annexure 17.9.2.](#)

The Academic Council may consider and approve the same for implementation from academic year 2021-22.

Resolution:

After detailed deliberations, the agenda item was approved.

Item 17.9.3

To consider and ratify the inclusion of elective course EEDY 039 Insulation Technology in M.Tech. (Power Systems Engineering) under Regulations 2019.

Note on Agenda:

The course 'Insulation Technology' was included as an elective course in M.Tech. (Power Systems Engineering) under Regulations 2019.

This revisions was deliberated in the 15th Meeting of Board of Studies of the Department of Electrical and Electronics Engineering and the board has recommended the same for ratification.

The syllabus of the course 'Insulation Technology' is given in [Annexure 17.9.3.](#)

The Academic Council may consider and ratify the same for implementation from academic year 2020-21.

Resolution:

The agenda item was ratified.

J. Perini
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 17.10

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

Item 17.10.1

To consider and approve the curriculum and syllabi of B.Tech. ECE under Regulations 2021.

Note on Agenda:

The Institution follows the best practice of effecting major revision in curriculum and syllabi of B.Tech. Programmes once in four years considering the dynamic changes in the industry, introduction of new technology and techniques, emerging trends, and employment opportunities. This is in addition to the revision in curriculum and syllabi of programmes facilitated once in six months.

Item 17.17.3

To consider and approve the curriculum and syllabi of new programme M.Tech. Food Biotechnology under Regulations 2019.

Note on Agenda:

In line with the needs of the industry, M.Tech. Food Biotechnology is introduced from the academic year 2021-22. The curriculum and syllabi (I and II semesters) of the programmes was deliberated in the 8th meeting of Board of Studies of the School of Life Sciences and the board has recommended the same for approval.

The curriculum and the syllabi of courses (I and II semester) of M.Tech. Food Biotechnology under Regulations 2019 are given in [Annexure 17.17.3](#).

The Academic Council may consider and approve the same for implementation from academic year 2021-22.

Discussions:

Dr. B. Suresh enquired about the infrastructure facility for offering M.Tech. Food Biotechnology. It was informed by the Dean SLS that the School possess necessary infrastructure facilities to conduct the programme. The School has also initiated linkages with relevant industries to facilitate more practical exposure to students.

Resolution:

The agenda item was approved.

CRESCENT SCHOOL OF ARCHITECTURE

Item 17.18

To consider and approve the recommendations of the Board of Studies of the Crescent School of Architecture.

Item 17.18.1

To consider and approve the curriculum and syllabi (I and II semester) of B.Arch. Programme under Regulations 2021.

Note on Agenda:

The previous major revision of B.Arch. programme was done in the year 2016. The Institution follows the best practice of effecting major revision in curriculum and syllabi of B.Arch. Programme once in five 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 is in addition to the revision in curriculum and syllabi of programmes facilitated once in six months.

The curriculum of B.Arch. programme R 2021 was framed after deliberation in the various department level meetings and salient features of the curriculum revision are as follows:

- Studio-oriented program with a good balance of design and technology.
- One mandatory practical training internship at the end of third year of study in a registered architecture firm.
- Mandatory skill based courses in the curriculum to enhance communication skills and report writing, and skills to face placement interviews / competitive examinations.
- Psychology as an open elective course.
- Studio based courses are more focused on energy efficient design and practice
- Participatory and hands-on learning across the five year course.

New Courses Introduced – Core Courses

- Building Materials & Representations
- Environment and Climatic Design
- Building Techniques & Technology - I
- Surveying and Site Planning
- Building Techniques & Technology - II
- Building Techniques & Technology - III
- Building Techniques & Technology - IV
- Building Techniques & Technology - V

New Courses Introduced – Elective Courses

- Energy efficient architecture
- Green & sustainable design
- Advanced Structures sustainable architecture and planning

Existing Courses Revised:

- History of Built Environment – I
- Theory of Architecture
- Building Materials & Representations
- Personality enhancement – I
- Theory and Design of Structures- I
- Building Services - I
- Environment and Climatic Design
- Building Techniques & Technology - I

The curriculum and the syllabi of courses (I and II semester) of B.Arch. programme R2021 were discussed in the 12th Meeting of Board of Studies (B.Arch. Programme) of School of Architecture and the board has recommended the same for approval.

The curriculum and the syllabi of courses (I and II semester) of B.Des programme R2021 were discussed in the 6th Meeting of Board of Studies (B.Des. programme) of School of Architecture and the board has recommended the same for approval.

The curriculum and syllabi of courses (I and II semester) of B.Des. Programme R 2021 are given in [Annexure 17.18.2](#).

The Academic Council may consider and approve the same for implementation from the academic year 2021-22.

Resolution:

The agenda item was approved.

**CRESCENT SCHOOL OF BUSINESS
DEPARTMENT OF MANAGEMENT STUDIES**

Item 17.19

To consider and approve the recommendations of the Board of Studies of the Department of Management Studies.

Item 17.19.1

To consider and approve the curriculum and syllabi of MBA under Regulations 2021.

Note on Agenda:

The Curriculum of MBA programme has been revised in line with AICTE guidelines and the PG framework of the Institution. Many new courses have been introduced in addition to the revision of syllabi of the existing courses.

The curriculum of MBA programme was framed after deliberation in the various department level meetings.

Based on the feedback from faculty the following new courses (Core and elective courses) were **introduced** in the M.B.A. R 2021:

1. Corporate Finance – Core Course
2. Behavioral and Personal Finance – Functional Elective Course
3. Financial Management – Functional Elective Course
4. Applied Operations Research - Functional Elective Course
5. Advanced Statistical Techniques – Ph.D. Course
6. Research and Publication Ethics – Ph.D. Course (As per AICTE norms)
7. Food and AgriTech Business – General Elective Course
8. NGO Management – General Elective Course

Based on the feedback from students and parents, the following new courses (Core and elective courses) were introduced:

1. Business Communication Lab. – Core Course
2. Materials Management - Functional Elective Course
3. Electronic Human Resource Management – Ph.D. Course

Based on the feedback from employers and alumni the following new courses (Core and elective courses) were introduced:

1. Computer Applications in Business Lab. – Core Course
2. Managing Disruptive Technologies – Core Course
3. Fundamentals of Banking - Functional Elective Course
4. Legal Aspects of Banking - Functional Elective Course
5. Risk Management in Banks - Functional Elective Course
6. Retail Banking - Functional Elective Course
7. Treasury and Derivatives Management - Functional Elective Course
8. International Banking and Forex Management - Functional Elective Course

The following courses were revised as per the suggestions of faculty and students:

1. Statistics for Decision making
2. Accounting for Managers
3. Operations Management

The curriculum and the syllabi of courses (I and II semester) of MBA programme under Regulations 2021 were discussed in the Board of Studies of the Department of Management studies and the board has recommended the same for approval.

The curriculum and syllabi of courses (I and II semester) of MBA programme under Regulations 2021 are given in [Annexure 17.19.1](#).

The Academic Council may consider and approve the same for implementation from the academic year 2021-22.

Resolution:

The agenda item was approved.


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Item 17.19.2

To consider and approve the curriculum and syllabi (I semester) of MBA (IEV) under Regulations 2021.

Note on Agenda:

The MBA programme in Innovation, Entrepreneurship and Venture Development is to be offered from the academic year 2021-22. The curriculum of the programme has been framed in accordance with the AICTE guidelines.

The curriculum of MBA (IEV) R 2021 was discussed in detail in the Board of Studies of the Department of Management Studies and the board has recommended the same for

Resolution:

The agenda item was ratified with effect from the academic year 2020-21.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES
DEPARTMENT OF CHEMISTRY

Item 17.20

To consider and approve the recommendations of the Board of Studies of the Department of Chemistry.

Item 17.20.1

To consider and approve the chemistry courses offered to the B.Tech. Programme under Regulations 2021.

Note on Agenda:

It was proposed to offer the following courses for B.Tech Programmes across disciplines under Regulations 2021 after deliberations in the department level meetings and Meeting of HoDs, Dean and Directors held on 26.05.2021 and 03.06.2021:

- Chemistry of materials and applications
- Chemistry for computer and electronics applications
- Environmental Studies
- Chemistry of construction materials
- Chemistry of materials and electrochemical devices
- Chemistry and instrumentation for electrical and electronic applications
- Functional materials and applications
- Chemistry of fuels and combustion materials
- Instrumental methods of polymer analysis
- Medicinal chemistry

The syllabi of the courses were discussed in the 11th meeting of Board of Studies of the Department of Chemistry and the board has recommended the same for approval.

The syllabi of the chemistry courses offered to B.Tech. programmes R 2021 are given in [Annexure 17.20.1](#).

The Academic Council may consider and approve the same for implementation from the academic year 2021-22.

Resolution:

The agenda item was approved.

DEPARTMENT OF PHYSICS

Item 17.21

To consider and approve the recommendations of the Board of Studies of the Department of Physics.

Item 17.21.1

To consider and approve the Physics courses offered to the B.Tech Programme under Regulations 2021.

Note on Agenda:

Based on the deliberations in the department level meetings, Meeting of HoDs, Dean and Directors held on 26.05.2021 and 03.06.2021, it was proposed to offer unique physics courses considering the requirement of circuit and non circuit branches. The following physics courses were offered to the B.Tech. Programmes under Regulations 2021.

New Courses in I Semester

- PHD 1181 Applied Physics
- PHD 1182 Engineering Physics
- PHD 1183 Mechanics of Solids

New Courses in II Semester

- PHD 1281 Non Destructive Testing of Materials
- PHD 1282 Materials Science for Engineering
- PHD 1283 Biomaterials
- PHD 1284 Optical Fibre Communication
- PHD 1285 Semiconductor Physics for Information Technology
- PHD 1286 Sensors and Actuators(For CSE-IOT)
- PHD 1287 Fundamentals of Nanotechnology and Its Applications


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The syllabi of the courses were deliberated in the 11th Meeting of Board of Studies of the Department of Physics and the board has recommended the same for approval.

The syllabi of the Physics courses offered to B.Tech. programmes R 2021 are given in [Annexure 17.21.1](#).

The Academic Council may consider and approve the same for implementation from the academic year 2021-22.

Discussions:

Dr. B. Suresh emphasized the need for inclusion of topics related to solar energy in the relevant physics courses.

Resolution:

After detailed deliberations, the agenda item was approved.

