

**OFFICE OF DEAN (ACADEMIC AFFAIRS)**

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

Date: 31.12.2021

**ACADEMIC YEAR 2020 – 21**

**Analysis on Feedback from Parents: Action Taken Report**

**A. The various ways in which feedback from Parents were obtained during the Academic Year 2020-21:**


- ❖ Academic Association: Parents are acting as member of School Level Advisory Committee (SLAC) & Board of Studies (BOS) of the Departments. The SLAC and BoS were conducted in two sessions (i) during November – December 2020 and (ii) during June – July 2021.
- ❖ Parents – Teachers Meeting: Parents – Teacher meeting was conducted online (i) during 17.10.2020 to 25.10.2020 (odd semester 2020-21) in which around 1498 parents participated. (ii) during the even semester 2020-21, 1754 parents participated and gave their suggestions.
- ❖ Online Feedback System through Institution website.

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

- A1: Inclusion of new courses on cutting edge areas
- A2: To offer more emphasis on Internship and Practical training
- A3: Need to incorporate advanced courses in Automobile Engineering
- A4: To offer more focussed placement training and industrial training
- A5: To offer more practical oriented theory classes

**B. Details of Action Taken**

- A1 was considered during major revision of the curriculum of UG Engineering and Arts & Science programmes, under Regulations 2021. The sample agenda item emphasizing the inclusion of new courses on the cutting edge area in the 17<sup>th</sup> meeting of Academic Council were Item 17.2.5, 17.7.1, 17.9.1 and 17.11.1.

  
31/12/2021

**DEAN (ACADEMIC AFFAIRS)**  
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(Page nos. 25, 39,40, 46,47, 51 and 52 of minutes of 17<sup>th</sup> Academic Council meeting)

- A2 & A4 was considered in the Regulations 2021 for Engineering and Arts & Science programmes which was effective from the Academic Year 2021-22. The internship was made a mandatory course in the programmes under R 2021. The offer focussed placement training; the related courses were included in the curriculum of programmes under R 2021. The agenda items emphasized the above points in the 17<sup>th</sup> meeting of Academic Council which was held on 15.07.21 were item 17.2.2, 17.2.3 and 17.22.2. (Page No. 21,22,23, 77 and 78 of minutes of 17<sup>th</sup> meeting of Academic Council meeting).
- A3 was considered in the agenda item 17.14.1 in the 17<sup>th</sup> meeting of Academic Council. (Page No. 58 of minutes of 17<sup>th</sup> meeting of Academic Council meeting)
- A5 was considered in the major revision of curriculum & syllabi of programmes under Regulations 2021. The sample agenda items dealt in this regard in the 17<sup>th</sup> meeting of Academic Council were 17.7.1, 17.11.1 and 17.17.2. (Page Nos. 39, 40, 51, 52, 64 and 65 of minutes of 17<sup>th</sup> meeting of Academic Council meeting)

**Annexure: Highlighted pages of Minutes of 17<sup>th</sup> Academic Council meeting.**

  
31/12/2021

**Dean, Academic Affairs**

DEAN (ACADEMIC AFFAIRS)  
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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.

6. ITDX 75 - Security in Computing

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

1. ITDX 03 - Principles of Programming Languages
2. ITDX 19 - Functional Programming

Based on the feedback from Students, Faculty and Industry experts, the following new courses (Core and elective courses) were introduced:

1. ITDX 51 - Computer Vision and Image Processing

These revisions were discussed in the 14<sup>th</sup> Meeting of Board of Studies of the Department of Information Technology and the board has recommended the same for approval.

The revised curriculum and the syllabi (I and II Semester) of B.Tech. Information Technology under Regulations 2021 are given in [Annexure 17.6.1](#).

**Discussions:**

Dr. B. Suresh suggested to offer research oriented core courses in the curriculum of programme to motivate students to pursue Master's degree and research programme, in addition to courses catering industry needs.

**Resolution:**

After deliberations, the agenda item was approved.

**DEPARTMENT OF COMPUTER APPLICATIONS**

**Item 17.7**

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

**Item 17.7.1**

**To consider and approve the curriculum and syllabi of BCA under Regulations 2021 and B.Sc. Computer Science under Regulations 2021.**

**Note on Agenda:**

The Institution follows the best practice of effecting major revision in curriculum and syllabi of BCA and B.Sc. Computer Science programmes once in 4 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 salient revisions made in BCA curriculum R 2021 are:

1. Based on the feedback from faculty the following new courses (Core and elective courses) were introduced:



- CADX 113 Time Series Analysis
- CADX 103 Virtualization and Cloud Security
- CADX 102 Computer Forensics and Investigation
- CADX 107 Games, Arts and Design
- CADX 262 Customer Relationship Management Analytics
- CADX 264 Decision Support System

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

- CADX 214 Exploratory Data Analytics
- CADX 082 Introduction to Health Care Analytics
- CADX 088 Introduction to Artificial Intelligence
- CADX 085 Web Application Development

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

- CADX 202 Business Intelligence
- CADX 114 Specialization in 3D Productions
- CAD 3108 Personality Development Skills
- CADX 081 Data Analytics & Visualization
- CADX 084 Cloud Services and Management

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

- CAD 1101 Computer Fundamentals and Organization
- CAD 1102 Programming in C
- CAD 1103 Data Structures Using C
- CAC1201 OOPS with C++
- CAC1202 Operating Systems

*(Signature)*  
31/12/20 21

**DEAN (ACADEMIC AFFAIRS)**  
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The salient revisions made in the curriculum of B.Sc. Computer Science R2021 are:

1. Based on the feedback from faculty the following new courses (Core and elective courses) were introduced:

- CAD 3102 Artificial Intelligence
- CADX262 Customer Relationship Management Analytics
- CADX263 Management Information System
- CADX264 Decision Support System
- CADX081 Data Analytics and Visualization

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

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

### **Item 17.9**

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

#### **Item 17.9.1**

**To consider and approve the curriculum and syllabi of B.Tech. EEE 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.

The curriculum of B.Tech. EEE under Regulations 2021 was framed after deliberations with the various stakeholders viz., students, parents, Alumni, Experts from Academia and Industry in the School Level Advisory Committee (SLAC) meetings and various department level meetings.

Based on the feedback from faculty, the following new courses (Core and elective courses) were introduced in the B.Tech.EEE R 2021:

EED 3104	VLSI (Lab Integrated)
EED 3205	Comprehension
EEDX 23	Electrical Machine Design
ECDX 083	Micro Electronics
EIDX 93	Biomedical Signal Processing
EEDX 55	Grid Integration of Renewable Energy Systems
EEDX57	Image and Video Processing
ECDX081	Communication Engineering
EIDX93	Biomedical Signal Processing
GEDX---	Optimization Techniques

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

EED 2205	Python for Electrical Engineers
CSDX 84	Fundamentals of Data Structures
EEDX 58	Industrial IoT

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

EED3202	Electric Vehicle Technologies
EEDX 05	IEEE and IEC standards
EIDX94	Industrial Instrumentation
EEDX 51	Artificial Intelligence for Electrical Engineers
EEDX 53	DC Micro grid

Based on the feedback from Board of Studies members the following new elective courses were introduced

EIDX 96	Transducers
ECDX 084	Computer Communication Networks
EEDX 63	Machine Learning

The following courses in Semester I and II were **revised** as per the suggestions of faculty and students:

- GED XXXX Electric and Magnetic Circuits
- EED 1202 Electric Circuits Laboratory
- EED 1201 Signals and Systems

The revised curriculum and the syllabi of courses (I and II semester) were discussed in the 15<sup>th</sup> Meeting of Board of Studies of the Department of Electrical and Electronics Engineering and the board has recommended the same for approval.

The curriculum and syllabi of B.Tech. EEE under R 2021 are given in [Annexure 17.9.1.](#)

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

### **Resolution:**

After detailed deliberations, the agenda item was approved.

### **Item 17.9.2**

**To consider and approve the syllabi of courses Basic Electrical Engineering, Basic Electrical and Instrumentation Engineering & Basic Electrical and Electronics Engineering offered to B.Tech. programmes under Regulations 2021.**

Three following courses were framed considering the requirements of different disciplines of study:

- (i) Basic Electrical and Electronics Engineering common for all branches except B.Tech ECE, EIE and B.Tech Biotechnology
- (ii) Basic Electrical Engineering for B.Tech. Biotechnology and B.Tech. EIE.
- (iii) Basic Electrical and Instrumentation Engineering for B. Tech. ECE

The syllabi of the above courses were deliberated in the 15<sup>th</sup> Meeting of Board of

The syllabi of the courses ECD6123, ECD6222 and ECDY052 are given in Annexure 17.10.3.

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 ELECTRONICS AND INSTRUMENTATION ENGINEERING**

**Item 17.11**

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

**Item 17.11.1**

**To consider and approve the curriculum and syllabi of B.Tech. EIE 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.

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

1. EID 1201 Network analysis and synthesis
2. EID 1203 Electron Devices and Network synthesis Laboratory
3. EID X06 Advanced Instrumentation Systems
4. EID X33 Instrumentation and control in Pharmaceutical Industries
5. EID X34 Instrumentation and control in Chemical Industries
6. EID X45 Mechatronics
7. EID X46 Design Technology and Innovation
8. EID X48 Advanced Digital Signal Processing
9. EID X49 Electronics equipment integration and Prototype building
10. EID X61 Industrial Data Networks
11. EID X63 3D Animation
12. EID X68 Big data Analytics
13. EID X69 Data science for Engineers

#### 14. EID X70 Practical Machine learning with tensor flow

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

1. EID 4102 Biomedical Instrumentation
2. EID X41 MEMS and Nanoscience
3. EID X42 Applied Power Electronics
4. EID X62 R-Programming
5. EID X66 Introduction to Industry 4.0 and Industrial Internet of things
6. EID X67 Deep Learning

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

1. EID 2204 Python for Instrumentation Engineers
2. EID 3201 Embedded System and RTOS
3. EID X09 Space and Navigational instrumentation
4. EID X10 Safety Instrumentation
5. EID X11 Piping and Instrumentation Diagram
6. EID X23 Industry 4.0

The following course was revised as per the suggestions of faculty and students:

1. EID 1202 Electron Devices

The curriculum and the syllabi (I and II semester) courses were discussed in the 16<sup>th</sup> meeting of Board of Studies of the Department of Electronics and Instrumentation Engineering and the board has recommended the same for approval.

The curriculum and syllabi of courses (I and II semester) of B.Tech EIE under R2021 are given in [Annexure 17.11.1](#).

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

  
31/12/2021

#### **Resolution:**

The agenda item was approved.

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#### **Item 17.11.2**

**To consider and approve the revised curriculum and syllabi of B.Tech. EIE under Regulations 2017.**

#### **Note on Agenda:**

- As per the feedback from the students', the course EICX26 AppliedBio-Medical Instrumentation is introduced to improve the placement opportunities in the core biomedical industries and research organizations.

**To consider and approve the curriculum and syllabi of B.Tech Automobile 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 and employment opportunities. This is in addition to the revision in curriculum and syllabi of programmes facilitated once in six months.

The curriculum of B.Tech. Automobile Engineering under regulations 2021 was framed after deliberations with the various stakeholders viz., students, parents, Alumni, Experts from Academia and Industry in the in the School Level Advisory Committee (SLAC) meetings and various department level meetings.

Based on the feedback from faculty and students the following new courses (Core and elective courses) were introduced in the B.Tech. Automobile Engineering R 2021:

**Core courses**

- Vehicle Inspection & Maintenance
- Battery Technology for Electric Vehicles
- Hybrid and Electric Vehicles

**Elective Courses**

- Electric Vehicle Charging Station
- Electric Bike Design, Servicing & Maintenance
- EV Technology and Business Management
- Advanced Driver Assistance systems
- Connected and Autonomous Vehicle Engineering
- Finite Element Analysis of Automotive Components
- Vehicle Design Data Characteristics
- Automotive Accident Investigation and Reconstruction Techniques
- Automotive Sensors and Applications
- Automotive Suspension and Steering Systems
- Off Road Vehicle
- Measurements and Instrumentation
- Production Process of Automotive Components

The courses Fluid Mechanics and Fluid Mechanics laboratory course were revised as per the suggestions of faculty and students.

The curriculum and the syllabi of courses (I and II semester) were discussed in the 12<sup>th</sup> meeting of Board of Studies of the Department of Automobile Engineering and the board has recommended the same for approval.

4. Rational Drug Discovery
5. Drug Formulation and Drug Delivery
6. Artificial intelligence for Biotechnology

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

1. Cell & Molecular Biology
2. Bioinformatics and chemo informatics
3. Fermentation Technology and bioreactor design
4. Stem-Cell Technology

The revised curriculum and the syllabi of courses (I and II semesters) were discussed in the 8<sup>th</sup> meeting of Board of Studies of the School of Life Sciences and the board has recommended the same for approval.

The curriculum and syllabi of I and II semester courses of B.Tech Biotechnology are given in [Annexure 17.17.1](#).

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

### **Resolution:**

The agenda item was approved.

### **Item 17.17.2**

**To consider and approve the curriculum and syllabi of B.Sc. Biotechnology under Regulations 2021.**

#### **Note on Agenda:**

The Institution follows the best practice of effecting major revision in curriculum and syllabi of B.Sc. 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 is in addition to the revision in curriculum and syllabi of programmes facilitated one in six months.

As part of major revision, the curriculum and syllabi (I and II semester) of B.Sc. Biotechnology was thoroughly revised. The salient revisions of the curriculum are as follows:

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

- 1 Biomolecules
- 2 Medical Biotechnology
- 3 Molecular Farming
- 4 Molecular Diagnostics
- 5 Downstream Process

- 6 Biostatistics
- 7 Phytochemistry

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

8. Artificial Intelligence in Medicine
9. Herbal Technology
10. Waste Management
11. Developmental Biology
12. Food Biotechnology
13. Computer aided Drug Design
14. Bioentrepreneurship

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

1. Epidemiology
2. Biomass and Bioenergy
3. Molecular Farming
4. Molecular Diagnostics
5. Downstream Process
6. Epidemiology

Based on the UGC regulation the following new laboratory courses (Core and elective courses) were introduced:

1. Biomolecules Laboratory
2. Medical Biotechnology Laboratory
3. rDNA Technology Laboratory
4. Industrial Biotechnology Laboratory
5. Molecular Farming Laboratory
6. Biophysics Laboratory
7. Molecular Diagnostics Laboratory
8. Downstream Process Laboratory
9. Bioinformatics Laboratory
10. Epidemiology Laboratory
11. Basics of Computer Laboratory
12. Artificial Intelligence Laboratory
13. Patent drafting and application Laboratory
14. Biostatistics and experimental designing Laboratory
15. Herbal Technology Laboratory
16. Bioentrepreneurship Laboratory



Creative Writing  
Public Speaking & Rhetoric  
English for Competitive Examinations

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

Social History of England  
Introduction to English Language  
English Literature: 14<sup>th</sup> to 16<sup>th</sup> Centuries  
English Literature: 17<sup>th</sup> Century

The revised curriculum and syllabi of the courses (I and II Semester) were deliberated in the 13<sup>th</sup> Meeting of Board of Studies of the Department of English and the board has recommended the same for approval.

The revised curriculum and syllabi of courses (I and II Semester) of B.A. English (Hons.) R2021 are given in [Annexure 17.22.1](#).

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

  
31/12/2021

**Resolution:**

The agenda item was approved.

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**Item 17.22.2**

**To consider and approve the syllabi of English and skill based courses offered to B.Tech. R 2021 and BA / BBA / B.Com. / BCA / B.Sc. R 2021.**

**Note on Agenda:**

The following English and soft skill courses are offered to B.Tech. R 2021 and BA / BBA / B.Com. / BCA / B.Sc. R 2021.

- English for Engineers for B.Tech second semester
- END 1183 - General English I, first UG arts and Science Programmes
- END 1283 General English II second semester UG arts and Science Programmes

**Soft skills courses for B.Tech. programmes:**

- Essential Skills and Aptitude for Engineers - Semester 3
- Workplace Skills and Aptitude for Engineers - Semester 4
- Communication Skills for Career Success - Semester 5
- Reasoning and Aptitude for Engineers - Semester 6

**Soft skills courses for BA / BBA / B.Com. / BCA / B.Sc. Programmes:**

- Aptitude and Interpersonal Skills - Semester 3
- Aptitude and Workplace Skills - Semester 4

- Communication Skills - Semester 2

The syllabi of the above courses were deliberated in the 13<sup>th</sup> Meeting of Board of Studies of the Department of English and the board has recommended the same for approval.

The syllabi of the courses offered to B.Tech. R 2021 and BA / BBA / B.Com. / BCA / B.Sc. R 2021 are given in [Annexure 17.22.2](#).

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

**Resolution:**

The agenda item was approved.

**Item 17.22.3**

**To consider and approve the revised syllabus of Communication Skills Laboratory course offered to MCA, M.Sc. Chemistry & M.Sc. Actuarial Science under Regulations 2019**

**Note on Agenda:**

The English course Communication Skills Laboratory was offered to MCA, M.Sc. Chemistry & M.Sc. Actuarial Science programmes under Regulations 2019.

As per the suggestions from the faculty handling the course, the syllabus was revised and deliberated in the 13<sup>th</sup> Meeting of Board of Studies of the Department of English and the board has recommended the same for approval.

The revised syllabus of the course Communication Skills Laboratory is given in [Annexure 17.22.3](#).

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

**Resolution:**

After detailed deliberations, the agenda item was approved.

**Item 17.22.4**

**To consider and approve the revised syllabi of V and VI semester of B. A. English (Hons.) under Regulations 2016.**

**Note on Agenda:**

The revised curriculum and syllabi of V and VI semester courses were presented in the 13<sup>th</sup> Meeting of Board of Studies of Department of English. These revisions were discussed and the board has recommended the same for approval.