

ACADEMIC YEAR 2019-20

Analysis on Feedback from Alumni: Action Taken Report

Date: 04.12.2020

A. Feedback received from alumni viz. during annual convocation and meetings of statutory bodies such as Board of studies and School level advisory committee (December 2019 - January 2020 & June – July 2020) were analysed and following points were recommended for action taken:

- ❖ A1: Revision in curriculum & syllabi based on industry needs.
- ❖ A2: To offer programmes based on market demand.
- ❖ A3: Offering additional electives in latest technologies.
- ❖ A4: Offering skill based courses.
- ❖ A5: Offering value added courses in emerging areas.

B. Action Taken

- A1 was considered as agenda item 15.10,15.11.1,15.12.1,15.13.1,15.13.2, 15.13.5, 15.14.1, 15.15.2,15.17.2 of 15th meeting of Academic Council held on 25.06.20 (Page no. 46, 54, 55, 57, 59, 60, 63 and 68 of 15thminutes of the meeting)
- A2 was considered as agenda item 15.1.4 of 15thmeeting of Academic Council held on 25.06.20 (Page no. 14of 15thminutes of the meeting)
- A3 was considered as agenda item 15.13.5, 15.14.1, 15.16.2, 15.25.1 of 15th meeting of Academic Council held on 25.06.20 (Page no. 59,60,65 and 81 of 15thminutes of the meeting)
- A4 was considered as agenda item 15.13.2, 15.13.5 and 15.14.1of 15th meeting of Academic Council held on 25.06.20 (Page no. 57, 59 and 60 of 15thminutes of the meeting).

- A2 was considered as agenda item 15.11.2 and 15.2.9 of 15th meeting of Academic Council held on 25.06.20 (Page no. 54 and 31 of 15th minutes of the meeting) with respect to inclusion of 13 minor degree programmes in emerging areas and additional valued added courses.

Annexure: Highlighted pages of 15th Academic Council Meeting Minutes.


Dean, Academic Affairs
DEAN (ACADEMIC AFFAIRS)
B.S. Abdur Rahman Crescent Institute
of Science & Technology
Vandalur, Chennai - 600 048, India

The perspective plan 2020-30 was already deliberated in the 7th meeting of Planning and Monitoring Board held on 10.03.2020 and 16th meeting of Board of Management held on 04.06.2020 and was endorsed.

The Perspective Plan of the Institution is enclosed in [Annexure 15.1.3](#).

The Academic Council may consider and note the same.

Discussion:

Prof. C. Thangamuthu suggested that the future expansion of branch campuses in proposed locations can be included in the Perspective plan.

Resolution:

The agenda item was noted and approved.

Item 15.1.4

To consider and note the introduction of new programmes to be offered from the academic year 2020-21.

Note on Agenda:

In order to meet the changing industry demand, the following Under Graduate Programmes in emerging areas are to be introduced from the academic year 2020-21:

1. B.Tech. Artificial Intelligence and Data Science
2. B.Tech. CSE (Cyber Security)
3. B.Tech. CSE (Internet of Things)

In order to cater to the needs of the student community, industry and society the following Post Graduate programmes are to be introduced from the academic year 2020-21:

1. MBA (Strategy) *
2. M.Com.

* Awaiting approval from AICTE

Note : MCA (Two year programme) is offered from the academic year 2020-21 in lieu of MCA (3 year programmes) as per the guidelines of AICTE.

The Academic Council may consider and note the same.

Discussion:

Dr. B. Suresh appreciated the introduction of the new programme MBA (Strategy) considering the significance and also mentioned it as a unique programme not offered in many institutions. He expressed his concern about offering new UG

programmes in different nomenclatures such as B.Tech. Artificial Intelligence and Data Science, by citing patronage from the industry in future.

Dr. V. Jagadeesh Kumar also expressed his view on the difficulties faced by the students in the job market due to pursuing of programmes with different nomenclatures.

Resolution:

After discussions, the agenda item was noted and approved.

Item 15.1.5

To consider and note the closure of the two year PGDM Programme from the Academic Year 2020-21; and withdrawal of the programmes viz. BBA Entrepreneurship & Family Business and M.Tech. Communication Systems for the academic year 2020 – 21.

Note on Agenda:

Due to the poor patronage of students, the programmes viz., BBA Entrepreneurship & Family Business and M.Tech. Communication Systems were not offered for the year Academic Year 2020 – 21.

The Programme PGDM was closed from the Academic Year 2020-21 following the guidelines of AICTE.

The Academic Council may consider and note the same.

Discussion:

Prof. C. Thangamuthu suggested that the starting of elite programmes in the disciplines viz., Biomedical, Dental, Medical can be explored to expand the multi disciplinary facets of the institution. He emphasized starting of new programmes in arts and science which are not coming under the ambit of AICTE.

He also suggested the need for bolstering the Basic Science departments to increase publication and consultancy.

Resolution:

After discussions, the agenda item was noted and approved.

Item 15.1.6

To consider and note the establishment of various centres in the Institution.

Note on Agenda:

Item 15.2.8

To consider and approve the amendment in Clause 18.2 of B.Tech Regulations 2017, Clause 18.3 of B. Tech. Regulations 2013, Clause 3.4 of M.Tech. / MCA / M.Sc. Regulations, 2019, Clause 13.6 of M.Tech. / MCA / M.Sc. Regulations, 2016 and Clause of 17.2 of B.Des. Regulations 2017.

Note on Agenda:

The AICTE mandates (Letter from Chairman, AICTE dated 15.05.2020) that the students shall be facilitated to undergo online courses through SWAYAM platform and can apply for credit transfer up to 20 % of credits of courses offered in a semester.

This necessitated amendment to the existing Clause 18.2 of B.Tech Regulations 2017, Clause 18.3. of B.Tech. Regulations 2013, Clause 3.4 of M.Tech. / MCA / M.Sc. Regulations, 2019, Clause 13.6 of M.Tech. / MCA / M.Sc. Regulations, 2016 and Clause of 17.2 of B.Des. Regulations 2017.

The amendments to the above clauses are presented in the [Annexure 15.2.8](#).

The Academic Council may consider and approve the same.

Discussion:

Prof. C. Thangamuthu remarked that courses offered through other online platforms on cutting edge areas can also be considered in addition to courses offered by SWAYAM platform.

Resolution:

After deliberations the agenda item was approved.

Item 15.2.9

To consider and approve the inclusion of the Clause 24 in the B.Tech. Regulations 2017 with respect to Minor Degree programmes offered by the Institution.

Note on Agenda:

- ❖ Introduction of minor degree programmes across engineering disciplines necessitates inclusion of new clause in the B.Tech Regulations, 2017.
- ❖ The minor degree programme facilitates students of a particular branch of study to earn a minor degree offered by other departments by following the well defined prerequisite conditions proposed by the Institution.
- ❖ This new clause 24 in B.Tech. Regulations 2017 is given in the [Annexure 15.2.9](#)

The Academic Council may consider and approve the same.

Discussion:

Prof. C. Thangamuthu suggested offering of minor degree courses for students of all streams including arts and science programmes.

Dr. B. Suresh expressed that the curriculum for minor degree programmes shall be designed to enable students to appreciate the knowledge and fulfill the objective of undergoing the programme. He also suggested exploring the possibility of offering dual degree programme in Engineering discipline.

Resolution:

After deliberations the agenda item was approved.

Item 15.2.10

To consider and approve the amendment to the clause 11.1 of MBA Regulations 2018.

Note on Agenda:

- ❖ As per clause 11.1 of MBA Regulations 2018, the students were given a maximum relaxation up to 20% in attendance for genuine reasons like absence due to medical grounds, representing the Institution in approved events etc.
- ❖ It is proposed to give a maximum relaxation up to 25% in attendance for valid reasons in line with all the other programmes offered under different regulations of the Institution.

This necessitates amendment to the clause 11.1 of MBA Regulations 2018 and is given in the [Annexure 15.2.10](#).

The Academic Council may consider and approve the same.

Resolution:

After deliberations the agenda item was approved.

Item 15.2.11

To consider and approve the amendment to the clause 11 of BBA LLB (Hons.) R 2017, B.Com LLB (Hons.) R 2017, BBA LLB (Hons.) R 2019 and BA LLB (Hons.) under Regulations 2019.

Note on Agenda:

- ❖ The clause 11 of BBA LLB (Hons.) R 2017, B.Com LLB (Hons.) R 2017, BBA LLB (Hons.) R 2019 and BA LLB (Hons.) under Regulations 2019 emphasized

Items moved by Chairman, Board of studies

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 15.10

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

Item 15.10.1

To consider and ratify the revised curriculum and syllabi of B.Tech. Computer Science & Engineering under Regulations 2017.

Note on Agenda:

Based on the feedback received from the students, the following 2 credit courses were revised as 3 credit courses with addition of 3 modules

CSCX206	Fundamentals of Computer Forensics
CSCX208	User Interface Design
CSCX220	Human Computer Interaction
CSCX222	XML and Web Services
CSCX216	Social Media Security

Based on the feedback from the staff members who have handled the course, and industry personnel, the syllabus contents of the course CSC3103 – Artificial Intelligence and Machine Learning has been revised.

Based on the feedback received from parents and students and also considering the industry needs, few courses were removed and replaced with new courses as follows:

S. No.	Semester	Existing course	New Course
1.	VI	CSC3223 Enterprise Mobile Application Development & Deployment using IBM Worklight	CSC 3225 Predictive Modeling Using IBM SPSS Modeler
2.	VI	CSC3224 Cognitive Analytics & Social Media Analytics (2017) / CSC 3225 Cognitive Analytics (2018)	CSC 3226 Artificial Intelligence Analyst

Based on the feedback received from parents and students and also considering the industry needs, the following courses are also revised for the programme B.Tech CSE :

CSC 3221 Foundation course in Big data Analytics

CSC 4121 Enterprise application development and deployment using IBM Cloud

CSC 4123 Advanced Course Programming in Internet of Things

CSC 4211 IBM industry Integrated project work

The course CSC 4122 Advance course Programming in Big data has been removed and replaced with new courses:

S.No	Semester	Existing course	New Courses
1.	IV	CSC 2223 Business analytics and Cognos Insight	CSC2224 Data Visualization
2.	V	CSC 3122 Business Intelligence	CSC3124 Watson Studio and Machine Learning

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

The revised curriculum and the detailed syllabi of B.Tech. CSE under Regulations 2017 are given in [Annexure 15.10.1](#).

The Academic Council may consider and ratify the same with effect from even semester 2019-20.

Resolution:

The agenda item was ratified after deliberations.

Item 15.10.2

To consider and approve the curricula and syllabi of new programmes viz. B.Tech. AI & Data Science, B. Tech. CSE (IOT) and B. Tech. CSE (Cyber Security) under B.Tech. Regulations 2017.

Note on Agenda:

To cater the needs of Industry and considering the trend in the market, the following programmes are newly introduced.

The following new courses were introduced as per the suggestions of faculty members and industry personnel:

B.Tech. AI & Data Science:

- Programming in C and C++
- C and C++ Lab
- Data mining Tools lab
- Foundation of data science

DEPARTMENT OF INFORMATION TECHNOLOGY

Item 15.11

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

Item 15.11.1

To consider and ratify the revised syllabi of course ITC1202 Programming in Python and ITCX 213 Data Warehousing, Data Mining and Data Mining Tools of the programme B.Tech. Information Technology under Regulations 2017

Note on Agenda:

Based on the feedback obtained from students and faculty, syllabi of the courses ITC 1202 Programming in Python and ITCX 213 Data Warehousing, Data Mining and Data Mining Tools of the programme B.Tech. Information Technology, R 2017 were modified. Further, the credit of the course Data Warehousing, Data Mining and Data Mining Tools is reduced to 3 from 4.

The course is also renamed as Data Mining Techniques and Tools.

These revisions were discussed in the Board of Studies of the Department of Information Technology and the board has recommended for approval. The detailed syllabi of the courses are given in [Annexure 15.11.1](#)

The Academic Council may consider and ratify the same with effect from even semester 2019-20.

Resolution:

The agenda item was ratified after deliberations.

Item 15.11.2

To consider and approve the value added programme on Flutter Application Development.

Note on Agenda:

A new certification programme on “Flutter Application Development” is to be introduced as a value added course and will be offered by Apple iOS ADC.

The syllabus of the course was discussed in the Board of Studies of the Department of Information Technology and the board has recommended for approval.

This course will be offered from the Academic Year 2020 - 21 onwards.

The detailed syllabi of the course is given in [Annexure 15.11.2](#)

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 15.12

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

Item 15.12.1

To consider and approve the curriculum and syllabi of MCA (two year programme) under Regulations 2019.

Note on Agenda:

As per the AICTE mandate, MCA programme is designed as a 2 year programme to be offered from the academic year 2020 – 21.

The curriculum and syllabi has been designed based on the inputs received from faculty & industrial personnel and in line with AICTE guidelines

The syllabi of the following courses have been revised:

- Mathematical Foundation for Computer Applications
- Computer Organization and Operating system
- Database Management Systems
- Computer Networks
- Data structures and Algorithms using C/C++
- Object Oriented Software Engineering
- Data structures and Algorithms Laboratory using C/C++
- Programming in C and C++ Laboratory
- DBMS Laboratory
- Programming in Java
- Resource Management Techniques
- Cloud Computing
- Mobile Application Development
- Introduction to Data Science
- Digital Marketing Management Information Systems
- Multimedia Systems And Algorithms
- Communication Skills Laboratory

- Advanced Technology Laboratory (Cloud/Mobile/Data Science)
- Programming in JAVA – Laboratory
- Python Programming
- Internet of Things
- Big Data Analytics
- Machine Learning Techniques
- Advanced Web Development and Services
- Organizational behavior
- Python Programming Laboratory

These revisions were discussed in the Board of Studies of the Department of computer Applications and the board has recommended the same for approval.

This programme will be offered from the Academic Year 2020-21 onwards.

The curriculum and syllabi of the MCA (2 year programme) is given in [Annexure 15.12.1](#).

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Item 15.12.2

To consider and ratify the revision in syllabi of the courses “CAC1102 Computer Fundamentals & Organization” and “CAC1204 Data Structures using C” offered to BCA (CTIS, MAIS, Data Science, Multimedia and Web Application Development) and B.Sc. (Computer Science).

Note on Agenda:

The syllabi of the courses CAC1102 Computer Fundamentals and Organization and CAC1204 Data Structures using C have been revised. The revised syllabi is given in [Annexure15.12.2](#)

The Academic Council may consider and ratify the same with effect from Even Semester 2019-20.

Resolution:

The agenda item was ratified after deliberations.

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

Item 15.13

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

Item 15.13.1

To consider and ratify the revision of curriculum & syllabi of B.Tech. Electrical and Electronics Engineering, Regulations 2017.

Note on Agenda:

The course EEC 2211 Power System I and EEC 3101 Power System II is split into three courses namely:

- EEC 2216 Electrical Power Transmission and Distribution,
- EEC 3107 Power System Analysis
- EECX 17 Power System Operation and Control

The EEC 1211 Electric Circuit Analysis is split into

- EEC 1213, Electric Circuits (Core Course)
- EECX 18 Network Analysis & Synthesis (Professional Elective course)

The syllabi of the course EEC 2107 Signals and Systems and EECX87 Digital Signal Processing were also revised as per the suggestions of faculty members.

The curriculum and the detailed syllabi are given in [Annexure 15.13.1](#)

The Academic Council may consider and ratify the same with effect from the even semester 2019-20.

Resolution:

The agenda item was ratified after deliberations.

Item 15.13.2

To consider and ratify the inclusion of elective courses for B.Tech. Electrical and Electronics Engineering, Regulations 2013.

Note on Agenda:

As per the feedback of faculty members and students, the following elective courses were included in the B.Tech. Electrical and Electronics Engineering, Regulations 2013.

- GEBX 217 Electric Vehicles
- GEBX 218 Artificial Intelligence and Evolutionary Computing using MATLAB

- GEBX 220 Introduction to Matlab
- ITBX 83 Fundamentals of Python Programming

These revisions were discussed in the Board of Studies of the Department of **Electrical and Electronics Engineering** and the board has recommended the same for approval.

The syllabi of the elective courses are given in the [Annexure 15.13.2](#)

The Academic Council may consider and ratify the same with effect from the Academic Year 2019-20.

Resolution:

The agenda item was ratified after deliberations.

Item 15.13.3

To consider and approve the revised PEO's of B.Tech Electrical and Electronics Engineering under Regulations 2013 and 2017.

Note on Agenda:

Based on the feedback obtained from the members of School Level Advisory Committee during its meeting held on 04.01.2020 and from the members of the Board of Studies, the redundancy in the PEOs of B.Tech EEE programme was corrected. At present, there are 7 PEOs and the same are revised into 5 PEOs without any redundancy.

These revisions were discussed in the Board of Studies of the Department of Electrical and Electronics Engineering and the board has recommended the same for approval.

The revised PEO's are given in [Annexure 15.13.3](#)

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Item 15.13.4

To consider and approve the curriculum and syllabi of the minor degree Programme "Electric Vehicles" offered by the Department of Electrical and Electronics Engineering under B. Tech. Regulations 2017.

Note on Agenda:

Most automobile companies have decided to switch to electric, a cleaner, and sustainable alternative. Due to migration of automobile sector towards electric and hybrid vehicles, the industry is facing a shortage of talented and skilled engineers with knowledge in e-mobility. To fill the gap, it is proposed to offer minor degree programme on "Electric Vehicles" by the Department of Electrical and Electronics Engineering for other Engineering branch students.

The following courses are newly introduced as a part of the curriculum

- Fundamental of Electric and Hybrid Vehicles
- Energy devices for electric vehicles
- Electrical & Electronics for Automotive system
- Automotive transmission & communication
- HEV / xEV Motor drives and controllers
- Electric Mobility Laboratory

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

These courses will be offered from the Academic Year 2020-21 onwards.

The curriculum and detailed syllabi of the courses are given in [Annexure 15.13.4](#)

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Item 15.13.5

To consider and approve the inclusion of elective courses in B.Tech.

Electrical and Electronics Engineering under Regulations 2017.

Note on Agenda:

As per the feedback of faculty members and students, the following elective courses were included in the B.Tech. Electrical and Electronics Engineering, Regulations 2017.

- GECX 220 Electric Vehicles
- GECX221 Artificial Intelligence and Evolutionary Computing using MATLAB

These revisions were discussed in the Board of Studies of the Department of Electrical and Electronics Engineering and the board has recommended the same for approval. These courses will be offered from the Academic Year 2020-21 onwards.

The syllabi of the elective courses are given in the [Annexure 15.13.5](#)

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 15.14

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

Item 15.14.1

To consider and approve the revision in professional elective streams and courses of B.Tech. Electronics and Communication Engineering, under Regulations 2017.

Note on Agenda:

The existing curriculum of B.Tech. Electronics and Communication Engineering has the following stream of electives

- RF and Communication Stream;
- Signal Processing Stream;
- VLSI & Embedded System Stream.

To fulfill the technology advancements the professional electives were suggested to be revised in the following streams:

- ❖ RF Communication and Signal Processing
- ❖ VLSI and Embedded Systems
- ❖ Artificial Intelligence and Robotics

The following new courses were introduced as per the suggestions of Industry personnel, employer and alumni:

- ECCX23 Data Science
- ECCX24 Machine Learning
- ECCX25 Robotics and its applications
- ECCX27 Deep Learning
- ECCX28 Augmented Reality and Virtual Reality
- ECCX35 GPU Architecture and Programming
- ECCX55 Artificial Intelligence for Robotics
- ECCX39 Robotics and Autonomous systems

The syllabi of the courses were discussed in the Board of Studies of the Department of Electronics and Communication Engineering and the board has recommended the same for approval.

These courses will be offered from the Academic Year 2020-21 onwards.

The syllabi of the newly introduced elective courses are given in [Annexure 15.14.1.](#)

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Item 15.14.2

To consider and ratify the revised syllabi of course ECCX 05 Image processing and ECCX 40 IC Technology for B.Tech ECE, Regulations 2017.

Note on Agenda:

The syllabus of the course “ECCX 05 Image processing” was revised as per the suggestions of Alumni, Mr.Abinesh B.Tech, ECE, (2014-2018) and as a result of feedback given by Mr.E.Manikandan, Assistant professor, ECE, the syllabus of the course “ECCX 40 IC Technology” was revised.

These revisions were discussed in the Board of Studies of the Department of Electronics and Communication Engineering and the board has recommended the same for approval.

These courses will be offered from the Academic Year 2019-20 onwards.

The syllabi of the courses are given in [Annexure 15.14.2](#)

The Academic Council may consider and ratify the same.

Resolution:

The agenda item was ratified after deliberations.

Item 15.14.3

To consider and approve the Curriculum and Syllabi of minor degree Programme “Internet of Things” offered by Electronics and Communication Engineering department under Regulations 2017.

Note on Agenda:

This digital era has the popularity of a system with interrelated computing devices, mechanical and digital machines provided with unique identifiers which needs

safety standards, and better design. SCADA, DCS, Process Instruments etc have made automation more reliable and powerful.

Hence the minor degree programme on **Industrial Automation** will help the other disciplines of engineering other than Electronics and Instrumentation to acquire more knowledge in Industrial Automation

As per the suggestions of expert members the following courses were introduced

- Sensors and Transducers
- Control system
- PLC and SCADA
- DCS and Computer Networks
- Piping and Plant Engineering

The curriculum and syllabi were discussed in the Board of Studies of the Department of Electronics and Instrumentation Engineering and the board has recommended the same for approval.

This programme will be offered from the Academic Year 2020-21 onwards.

The curriculum and detailed syllabi of minor degree Programme “Industrial Automation” are given in [Annexure 15.15.1](#).

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Item 15.15.2

To consider and ratify the revision in curriculum and syllabi of B.Tech.

Electronics and Instrumentation, under Regulations 2017

Note on Agenda:

As per the suggestion of faculty members and students, the lab integrated course EIC2211 Thermodynamics and Fluid Mechanics is modified as theory course EIC2216 with 3 credits.

The revised syllabus of the course is given in [Annexure 15.15.2](#)

The Academic Council may consider and ratify the same with effect from the Academic Year 2019-20.

Resolution:

The agenda item was ratified after deliberations.

- The title of the course “CECX23, Construction chemicals for repair works” is revised as “CECX23 Construction Chemicals for Civil Engineering.
- The course CEC 2101 Mechanics of Solids is revised with addition of an experiment on Glass material.

These revisions were discussed in the Board of Studies of the Department of Civil Engineering and the board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2020-21 onwards.

The revised curriculum and the detailed syllabi of the courses are given in [Annexure 15.16.1.](#)

The Academic council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Item 15.16.2

To consider and approve the inclusion of elective courses in the curriculum of M.Tech. Structural Engineering under Regulations 2019.

Note on Agenda:

The following elective courses on sustainability are to be included in the curriculum of M.Tech. Structural Engineering under Regulations 2019 to cater to the needs of the industry.

- CEDY 232 Energy Efficient Structures
- CEDY 233 Green Concepts in Building Environment

These revisions were discussed in the Board of Studies of the Department of Civil Engineering and the board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2020-21 onwards.

The revised curriculum and the detailed syllabi of the courses are given in [Annexure 15.16.2.](#)

The Academic council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Resolution:

The agenda item was ratified after deliberations.

Item 15.17.2

To consider and approve the revised syllabi of elective courses of B.Tech.

Aeronautical Engineering under Regulations 2017.

Note on Agenda:

Based on the suggestion of faculty members and Industry personnel, the following elective courses were revised:

- AECX 09 Fatigue and Fracture Mechanics
- AECX 09 Smart Structures
- AECX 10 Aircraft Structural testing and Qualification
- AECX 12 NDT Techniques for Aircraft Structures
- AECX 24 Aero acoustics
- AECX 32 Design of Power Plants for Aircraft
- AECX 35 Product Development and 3D Printing Technologies
- AECX 36 Advanced Manufacturing Technologies
- AECX 22 Introduction to CFD

The revisions in these courses were deliberated in the Board of Studies of Department of Aerospace Engineering and the Board recommended the same for approval.

The syllabi will be implemented from the Academic Year 2020-21 onwards.

The revised curriculum and the detailed syllabi are given in [Annexure 15.17.2](#).

The Academic Council may consider and approve the same.

Resolution:

The agenda item was approved after deliberations.

Item 15.17.3

To consider and ratify the revision in syllabi of M.Tech. Avionics under Regulations 2019.

The syllabi of courses offered in II semester M.Tech. Avionics were deliberated and revised in the Board of Studies of Department of Aerospace Engineering and the Board recommended the same for approval.

The following courses were revised:

AED 6201 Aerospace Guidance and Control

DEPARTMENT OF MANAGEMENT STUDIES

Item 15.25

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

Item 15.25.1

To consider and ratify the syllabi for all elective courses under the new specialization “Business Analytics” in MBA under Regulations 2018.

Note on Agenda:

A new specialization “Business Analytics” is introduced with 4 elective courses :

- MSDY 121 R Programming for Business Research and Analytics
- MSDY 122 Python Programming
- MSDY 123 Data Visualization
- MSDY 124 Financial Modelling Using Spreadsheet

The revised curriculum and syllabi of the courses are given in Annexure

15.25.1.

The Academic Council may consider and ratify the same with effect from Academic Year 2019-20.

Resolution:

The agenda item was ratified after deliberations.

Item 15.25.2

To consider and approve the syllabi for all new courses in MBA under Regulations 2018 offered to Ph.D. scholars.

Note on Agenda:

The syllabi for following new courses offered to Research Scholars of the department were discussed.

- MSDY 024 Working Capital Management
- GEDY 132 Qualitative Inquiry and Research Design
- GEDY 133 Hospital Operations and Facility Management
- GEDY 134 Patient Care Management
- GEDY 135 Health Care in India: Strategic Perspectives

The syllabi of the new courses were discussed in the Board of Studies of the Department of Management Studies and the board has recommended for approval. These courses will be offered from the Academic Year 2020-21 onwards.

The syllabi of the above courses are given in Annexure 15.25.2.

A. Perri 04/12/2020

DEAN (ACADEMIC AFFAIRS)
B.S. Abdur Rahman Crescent Institute
of Science & Technology
Vandalur, Chennai - 600 048, India