

## ACADEMIC YEAR 2017-18

### Analysis on Feedback from Employers: Action Taken Report

Date: 31.08.18

- A. Employers are members of Board of Studies (BOS) of Departments / Schools and also in School Level Advisory Committee (SLAC) meetings. Their views on the following parameters are considered for further recommendation in the appropriate forum.
- ❖ Changes / Modification in Curriculum and Syllabus
  - ❖ Introduction of new courses
  - ❖ Inclusion of cutting edge technology courses
  - ❖ Employability related courses
  - ❖ Value added courses
  - ❖ Starting of new programmes to cater the needs of an Industry & society etc.
- B. Following are the salient points emanated from the employers during conduct of BOS / SLAC meetings in the departments / schools during December 2017 (Phase I) & June-July 2018 (Phase II).
- ❖ A1 : Introduction of specialization in programmes matching with industry and global trends.
  - ❖ A2 : Starting new programmes based on market demand
  - ❖ A3 : Additional professional elective courses to give wide range of opportunity to students.
  - ❖ A4 : Enhancing courses focusing on communications skills.
- C. The point A2 was considered through agenda item 12.2.2 of 12<sup>th</sup> Meeting of Academic Council which was held on 29.08.18 (Page no. 6 & 7 of minutes of 12<sup>th</sup> Academic council meeting).
- D. The point A1 was considered and approved as agenda item 11.5.2 of 11<sup>th</sup> meeting of Academic Council which was held on 18.01.18 (Page no. 11 & 12 of minutes of 11<sup>th</sup> Academic Council meeting).

- E. The point A3 was considered through agenda item 12.7.1 of 12<sup>th</sup> Meeting of Academic Council which was held on 29.08.18 (Page no. 21 & 22 of minutes of 12<sup>th</sup> Academic council meeting).
- F. The point A4 was considered through agenda item 12.9.1 of 12<sup>th</sup> Meeting of Academic Council which was held on 29.08.18 (Page no. 25 & 26 of minutes of 12<sup>th</sup> Academic council meeting).

  
Dean (AA) 31/08/18

**Dean, Academic Affairs**

**Annexure: Minutes of 11<sup>TH</sup> Meeting of Academic Council**



**Minutes of Eleventh Meeting  
of the Academic Council (Senate)  
B.S. Abdur Rahman Crescent Institute  
of Science & Technology,  
Venue: Seminar Hall- III, Convention Centre  
January 18, 2018**

**IBM) and specialization in Artificial Intelligence and Internet of Things (in association with IBM).**

### **Note on Agenda**

The introduction of new specialization Big Data Analytics (in association with IBM) and Artificial Intelligence and Internet of Things (in association with IBM) in B.Tech Computer Science and Engineering were approved in the tenth meeting of the Academic Council. The curricula and syllabi of these specializations were deliberated in the Board of Studies of the department of Computer Science and Engineering and the board has recommended the same for approval.

The curricula and the detailed syllabi of these specializations are given in [Annexure 11.5.1\(A\), Annexure 11.5.1\(B\)](#)

The introductions of these specializations are recommended for consideration from the Academic Year 2018-19 onwards.

The Academic Council may consider and approve the same.

### **Discussion:**

Prof. V. Ramachandran suggested that the course name should not be prefixed or suffixed with IBM. The courses should be given generic name such as Programming in Big Data Analytics and Big Data Analytics – Foundation and, Advanced Big Data Analytics.

### **Resolution:**

After discussion the above item was approved.

### **Items for Ratification**

#### **Item 11.5.2**

**To consider and ratify the introduction of new specialization Big Data Analytics, Artificial Intelligence and Internet of Things ( in association with IBM) in B.Tech Computer Science and Engineering and its curriculum & syllabi.**

### **Note on Agenda**

Considering the global trend towards the Big Data Analytics, Artificial Intelligence and Internet of Things, it was decided to offer new specialization in Data Analytics, Artificial Intelligence & Internet of Things in B.Tech Computer Science and Engineering in association with IBM to expose the students to real time industry requirements. The curriculum and syllabi of this specialization was accordingly framed. This was discussed in the Board of Studies of the department of Computer Science and Engineering and the board has recommended the same for ratification.

The curriculum and the detailed syllabi of new specialization is given in [Annexure 11.5.2.\(A\)](#),

This specialization was introduced from the Academic Year 2017-18 onwards.

The Academic Council may consider and ratify the same.

**Discussion:**

Mr. B. Suresh suggested that similar programmes can be introduced with industry partnership so that it will enhance the branding of the programme and institution.

**Resolution:**

After detailed discussion the above item was approved.

**Item 11.5.3**

**To consider and ratify the NPTEL courses ‘Cloud Computing’ and ‘Distributed Systems’ as equivalent elective courses of B.Tech Computer Science and Engineering.**

The syllabi of the NPTEL courses Cloud Computing and Distributed Systems were discussed in the Board of Studies of the Department of Computer Science and Engineering. The board was satisfied with the syllabi contents to offer as elective courses and has recommended the same for approval.

This revision was implemented from the Academic Year 2017-18.

The Academic Council may consider and ratify the same.

**ANNEXURE: Minutes of 12<sup>th</sup> Academic Council Meeting**



**Minutes of the Twelfth Meeting of the  
Academic Council (Senate)  
B.S. Abdur Rahman Crescent Institute of  
Science & Technology,  
Venue: Seminar Hall- III, Convention Centre  
August 29, 2018**

## Items moved by the Dean Academic Affairs

### Approvals and Ratifications

#### Item 12.2.1

**To consider and note the introduction of new programme M.Arch.**

#### Note on Agenda

Based on the proposal of Crescent School of Architecture to start M.Arch. Programme, the Council of Architecture visited the school during April 2018 and accordingly approved the start of M.Arch. Programme.

The Academic Council may consider and make a note of the same.

#### Resolution:

After discussions, the council took note of the same.

#### Item 12.2.2

**To consider and approve the start of new programme from the academic year 2019-20.**

#### Note on Agenda

As a part of diversification and to cater to the needs of the society, industry and market trends, it is proposed to start the following programmes from the academic year 2019-20.

- M.Tech. Engineering Design
- M.Tech. Avionics
- B.Sc. Aviation
- B.Sc. Aircraft Maintenance Engineering
- B.Tech. Biomedical Engineering
- B.Sc. Mathematics
- M.Sc. Computer Science
- MCA ( IoT, CTIS, MAIS, Big data)
- BCA (Multimedia and web application development)
- BBA (General)
- BBA (Hotel Management)

- BBA (Entrepreneurship & Family Business)
- MBA (Environment & Industrial Safety)
- B.A. English
- B.Com. (Hons)
- M.Com.
- B.A. LL.B (Hons)
- B.Tech. Agricultural Engineering
- B.Sc. Agriculture

The programmes offered school wise and the new programmes proposed are detailed in [Annexure 12.2.2.](#)

The Council may offer suggestion regarding the start of above new programmes and any other suitable programmes so as to initiate further approval process from statutory bodies.

**Discussion:**

- Prof. C. Thangamuthu suggested to start new Faculty / Schools considering the futuristic programmes. Crescent School of Pharmacy could be brought under Faculty of Medical Sciences, which could help in expansion of other allied programmes such as dental, para-medical, nursing, etc. in future. He also informed that duplicating programmes with specializations does not project a good image of the institution. Specializations could be given as electives. Narrowing down the scope of the degree would not help students in placement.
- Prof. C. Thangamuthu also suggested that all departments in a university must offer PG & research programmes irrespective of offering UG courses in the respective discipline.
- Mr. B. Suresh suggested to offer B.A in English with emphasise on technical report writing and legal writing which has more demand. He also informed that B.Sc./B.Tech programmes in Agriculture should be novel and include futuristic techniques such as Herbal Farming, Hydroponics, Cash Crop, Green House Cultivation, Digital Farming, etc. The programmes in Agriculture combined with engineering & technology is the need of day.



**Resolution:**

After discussion the above item was noted.

**ITEMS MOVED BY DIRECTOR, HR**

**Item 12.6.1**

**To consider and ratify the appointment of teaching and non-teaching faculty with various qualification during January – August 2018.**

**Note on Agenda**

To maintain the staff-student ratio in various programmes offered by different departments / schools, and also to fill the vacancies created due to resignation of faculty members necessitates appointment of new teaching and non teaching faculty.

The list of faculty appointed during January - August 2018 is given in [Annexure 12.6.1.](#)

The Academic Council may consider and ratify the same.

**Resolution:**

After discussion the above item was ratified.

**Items moved by Chairman, Board of studies**

**SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Item 12.7**

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

**Item 12.7.1**

**To consider and approve the inclusion of new elective courses in B.Tech. (Computer Science & Engineering) R 2013 and M.Tech. (Computer Science and Engineering) R 2016.**

## Note on Agenda

The growing technology and change in the trends in IT field necessitates inclusion of new elective courses in the curriculum and syllabi of B.Tech. Computer Science & Engineering R 2013; and M.Tech. Computer Science and Engineering R 2016. The following elective courses are deliberated in the BOS of department of Computer Science and Engineering and the board has recommended the same for approval.

### **B.Tech (Computer Science & Engineering)**

- CSBX15 - Internet of Things
- CSBX51 - Network security and cryptography
- CSBX52 - Python programming

### **M.Tech (Computer Science and Engineering)**

- CSCY112 - Software Design and Architecture

These revisions are to be implemented from the Academic Year 2018-19 onwards.

The detailed syllabus is given in [Annexure 12.7.1.](#)

The Academic Council may consider and approve the same.

### **Resolution:**

After detailed discussion, the above item was approved.

## **DEPARTMENT OF INFORMATION TECHNOLOGY**

### **Item 12.8**

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

## Note on Agenda

The syllabi of the iOS Application development courses were revised

These revisions were discussed in the Board of Studies of the department of Information and Technology and the board recommended the same for approval.

The revised syllabi of certification programmes offered for iOS Application development is given in [Annexure 12.8.4](#)

The Academic Council may consider and approve the same.

## Resolution:

After detailed discussion, the above item was approved.

## DEPARTMENT OF COMPUTER APPLICATIONS

### Item 12.9

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

### Item 12.9.1

**To consider and approve the revised curricula and syllabi of B.C.A (CTIS), BCA (MAIS), BCA (Data Science) and B.Sc. Computer Science under Regulations 2016.**

## Note on Agenda

To cater to the need of the industries, the curricula and syllabi of I & II semester of B.Sc. (Computer Science), BCA (in specialization with Cloud technology and Information Security, Mobile Applications and Information Security, Data science) are updated giving emphasis on Communication Skills course.

The syllabi of courses CAC2123 Scientific Programming using R and CAC2125 Scientific Programming using R Lab are also revised.

These revised curricula and syllabi are to be implemented from the Academic Year 2018-19 onwards.

The curricula and syllabi for the programmes BCA (CTIS), BCA (MAIS), BCA (Data Science) and B.Sc. Computer Science are given in [Annexure 12.9.1.](#), [Annexure 12.9.1.B](#), [Annexure 12.9.1.C](#), [Annexure 12.9.1.D](#), [Annexure 12.9.1.E](#)

The Academic Council may consider and approve the same.

**Resolution:**

After deliberation the above item was approved.

**SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Item 12.10**

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

**Item 12.10.1**

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

**Note on Agenda**

The syllabi of first four semesters were already approved in the 11<sup>th</sup> meeting of the Academic Council. The syllabi of V - VII semesters, core and elective courses, of B.Tech. Electrical and Electronics Engineering are revised. 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 revisions are to be implemented from the Academic Year 2018-19 onwards.