

***1.1.3 Average percentage of courses having focus on employability/
entrepreneurship/ skill development during the last five years***

The minutes of the meetings of the Academic Council is enclosed highlighting the ***courses having focus on employability/ entrepreneurship/ skill development*** in the curriculum as a sample in pages 25,38,39,40,42,43,44,58,87,88,98,103,105,142,150, 151, 152,159,162,172,195,201,223,225,228,229,232,233,235,237,241,242,265,275,287



**Minutes of Thirteenth Meeting of the
Academic Council (Senate)
B.S. Abdur Rahman Crescent Institute of
Science & Technology
held on March 6, 2019**

Minutes of the Thirteenth Meeting of the Academic Council (Senate)

The Thirteenth Meeting of the Academic council was held on 06th March 2019 at 10.00 a.m. at Seminar Hall III of the Convention Centre of B.S. Abdur Rahman Crescent Institute of Science & technology.

The following members were attended the meeting:

1. Prof. Sahol Hamid Bin Abu Bakar, Vice Chancellor
2. Dr. A. Azad, Registrar
3. Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli
4. Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engg. & Dean (Academic Courses), IIT Madras, Chennai
5. Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi
6. Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., Chennai
7. Prof. R. Raju, Professor, Dept. of Industrial Engg. & Director (Academic Courses), Anna University, Chennai
8. Dr. M.S. Haji Sheik Mohammed, Dean, Academic Affairs
9. Mr. V.N.A. Jalal, Sr. General Manager
10. Dr. N. Raja Hussain, Deputy Registrar, Administration
11. Mr. Parvez Alam, CEO, CIIC
12. Dr. I. Raja Mohamed, Dean, Academic Research
13. Maj. Gen. Gurdeep Singh Narang, Dean, Student Affairs
14. Dr. M. Munir Ahamed Rabbani, Controller of Examinations
15. Dr. Vasanthi Padmanabhan, Dean, School of Infrastructure
16. Dr. S. Rasool Mohideen, Dean, School of Mechanical Sciences
17. Dr. S. Kaja Mohideen, Dean, School of Electrical & Communication Sciences
18. Ar. G. Jayalakshmi, Dean, Crescent School of Architecture
19. Dr. A. Jaya, Dean (Incharge), SCIMS & Head, Computer Applications
20. Dr. S. Kutti Rani, Dean, School of Physical and Chemical Sciences
21. Dr. Ayub Khan Dawood, Dean, School of Social Science and Humanities
22. Dr. P.S.Syed Masood Jamali, Dean, School of Islamic Studies
23. Dr. S. Hemalatha, Dean, School of Life Sciences
24. Dr. K. Srinivasan, Dean, School of Management
25. Dr. K. Nilamudeen, Dean, Crescent School of Law
26. Dr. M. Vijaya Vara Prasad, Dean, Crescent School of Pharmacy
27. Dr. Nikhat M Hamza, Director, HR / FTA
28. Dr. P. Sheik Abdul Khader, Director Data Centre
29. Dr. R. Raja Prabu, Director, Accreditation, Ranking & International Affairs
30. Dr. Syed Mohamed Abdul Majeed, Director, Admissions
31. Dr. T. Harinarayan, Director (Centre for Energy, Sponsored Research & Consultancy)

32. Dr. S.K.G. Ganesh, Director, PG Admissions
33. Mr. K. Ganesh, Director, Placement and Training Cell
34. Dr. Haider Yasmeen, Director, Centre for Leadership
35. Dr. Ashoke Ghosh, Head, Department of Aerospace Engineering & Automobile Engineering
36. Mr. Basanta Kumar Behera, Head, Department of Polymer Engineering
37. Dr. M. Shanmugam, Head, Department of Management Studies
38. Dr. M. Sandhya, Head, Department of Computer Science & Engineering
39. Dr. I. Sathik Ali, Head, Department of Information Technology
40. Dr. C. Tharini, Head, Department of Electronics & Communication Engineering
41. Dr. Y. Mohamed Shuaib, Head, Department of Electrical and Electronics Engineering
42. Dr. P. K. Jawahar, Head, Department of Electronics & Instrumentation Engineering
43. Dr. S. Rajasekaran, Head, Department of Mathematics & Actuarial Science
44. Dr. M. Basheer Ahamed, Head, Department of Physics
45. Dr. D. Easwaramoorthy, Head, Department of Chemistry
46. Dr. H. Sofia, Head In-charge, Department of English
47. Dr. Afzalur Rahman, Head, Department of Commerce
48. Dr. J. Revathy, Professor, Department of Civil Engineering
49. Dr. P.N. Kadiresh, Professor, Department of Aerospace Engineering
50. Dr. A. S. Selvakumar, Professor, Department of Mechanical Engineering
51. Dr. R. Jayashree, Professor, Department of Electrical & Electronics Engineering
52. Dr. B. Vijyalakshmi, Professor, Department of Electronics & Communication Engineering
53. Dr. M. Mohamed Ismail, Professor, Department of Electronics & Communication Engineering
54. Dr. D. Najumnissa Jamal, Professor, Department of Electronics & Instrumentation Engineering
55. Dr. M. Sharmila Shankar, Professor, Depart. of Computer Science & Engg.
56. Dr. W. Aisha Banu, Professor, Department of Computer Science & Engg.
57. Dr. Latha Tamilselvan, Professor, Department of Information Technology
58. Dr. A. Shahin Sultana, Professor, Department of English
59. Dr. I. B. Shameem Banu, Professor, Department of Physics
60. Dr. N. Hajara Beevi, Professor, Department of Chemistry
61. Dr. S. Srinivasan, Professor, Department of Mathematics
62. Dr. P.S. Sehk Uduman, Professor, Dept. of Mathematics
63. Dr. E. Syed Mohamed, Associate Professor, Department of Computer Science & Engineering
64. Dr. Karthikeyan Ramalingam, Associate Professor, School of Life Sciences
65. Dr. P. Latchoumy, Assistant Professor (Sel. Gr.), Department of Information Technology

66. Dr. K. Javubar Sathick, Assistant Professor (Sel. Gr.), Department of Computer Applications

Leave of absence was granted to the following members as they have expressed their inability to attend the meeting due to their preoccupation.

1. Mr. Abdul Qadir A. Rahman Buhari, Pro Chancellor, BSACIST
2. Dr. B. Suresh, MD & CEO, M/s. Mahindra Consulting Engineers Ltd., Chennai.
3. Mr. Seshadrinathan, President, Alumni Association, BSACIST
4. Mr. Ganesh Rathinam, Director, Corporate Office & CMO
5. Mr. T.R. Palaniappan, Professor - Design Chair, Crescent School of Architecture
6. Ar. S. Vivekanandan, Professor, Crescent School of Architecture
7. Dr. P.V. Nagendra Sarma, Professor, Crescent School of Law
8. Ms. Shaheen Khan, Professor, Crescent School of Law
9. Dr. Gufran Ahamed Ansari, Professor, Dept. of Computer Applications
10. Dr. S. Hameed Kader Ali, Professor, Crescent School of Pharmacy

Welcome Address by the Vice Chancellor

The Vice-Chancellor welcomed the eminent external expert members Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli, Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engg. & Dean (Academic Courses), IIT Madras, Chennai, Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi, Prof. R. Raju, Professor, Dept. of Industrial Engg. & Director (Academic Courses), Anna University, Chennai and Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., Chennai and all other internal members of the of the Academic Council.

Items moved by the Vice Chancellor

The Vice-Chancellor requested Dr. A. Azad, Registrar to present a brief report on the development and academic activities of the Institution between previous Academic Council meeting held on 29.08.2018 and subsequent agenda items.

Registrar presented the brief report on the academic activities of the Institution during 29.08.18 – Till date as follows:

I. Odd Semester 2018 - 19: Academic Happening

- The even semester of the academic year 2018-19 started from 07 January 2019.
- The continuous assessments tests and semester end examinations (Odd semester 2018-19) for all the programmes were conducted in line with academic calendar. The conduct of evening classes for redo / pre-doing of courses were also systematically conducted by following proper standard operating procedures (SoPs).
- Institution always encourages students and faculty to pursue online courses to enhance their knowledge. In this duration 37 faculty members and 58 students completed NPTEL online courses successfully.
- The 8th convocation of our Institute was held on 16.12.2018. Dr. Virander Singh Chauhan, Executive Director, National Assessment and Accreditation council (NAAC) was the chief guest. A total of 1290 candidates received their degrees:
 - UG - 984
 - PG - 265
 - PGDM - 17
 - Ph.D. - 26
- Our institute has signed an MOU with **uLetkz** Learning Solutions Pvt. Ltd., to provide a learning platform for students to connect with peers and faculty members. An app named “CRESCENT” has been made available in this regard to enable digital education (cloud-based educational ERP).
- 86 Companies have visited for campus placement and 320 students have been placed as on date.

II. Visit / Meeting of Statutory Bodies

- The NBA expert team visited our Institute during February 22-24, 2019 for NBA accreditation of 3 UG programmes viz., Automobile Engineering, Aeronautical Engineering and Polymer Engineering; and 1 PG programme – MBA.
- Meetings of various boards, committees and statutory bodies were held as follows:
 - Meeting of Internal Quality Assurance Cell (IQAC) by inviting external experts was conducted on 29th January 2019.

- Planning and Monitoring Board meeting was conducted on 02.02.19 and various academic and developmental issues were deliberated.
- The meetings of the Board of Management and Finance Committee were held on 26th September 2018.
- Meetings of Board of Studies of departments and schools have been conducted during December 2018 - January 2019.
- The Institute submitted a proposal to AICTE for granting approval for student intake in various Engineering Programmes in U.G. and P.G., Pharmacy, MBA and Architecture. AICTE scrutiny meeting was held on 24th February 2019.

III. Accreditation and Ranking

- B.S. Abdur Rahman Crescent Institute of Science and Technology has participated in the **QS IGauge Rating Process**. “Diamond Rating” has been awarded for the Overall Performance of our institute. The certificate was sent to us on 28th January 2019.
- Our institute is participating in the NIRF India Ranking 2019 for the Fourth time for the following four categories:
 - Engineering
 - Architecture
 - Management
 - Overall
- Our institute participated in the QS World University Ranking 2020 and submitted relevant documents in the QS Web Portal during February 2019.
- In order to improve our prospectus of getting ranked in the “Best Tech School Survey” conducted by the prestigious “Data Quest”, we have participated in the Data Quest Survey during February 2019.
- Our Institution is also participating in TIMES Higher Education (“THE”) World University Ranking process.

IV. Academic Research

Period: August 2018 - February 2019

- No. of Ph.D. Viva Completed : 16
- No. of Thesis Submitted by the Research Scholar : 25
- No. of Synopsis Submitted by the Research Scholar : 12
- Candidates admitted in January 2019 session

* Full Time – 13

* Part Time – 02

- Central Research Review was conducted by three different teams from 22nd January to 31st January 2019. Around 310 research scholars progress were reviewed. Based on their performance and progress, the scholars were advised accordingly.
- H-Index of the Institute has increased from 38 to 40.

Research Publications from Jan – Dec 2018				Total
International Journal	National Journal	International Conference	National Conference	
176	37	24	1	238

V. Automation of Academic Activities

- Appreciable progress has been made in the automation of academic and administrative activities in the following modules:

• Academics & Time Table Module	• Library Module
• Exam & Grading Module	• Admission Module
• Purchase Module	• HRMS Module
• Letters Module	• Transport Module
• Finance Module	• Hostel Module

VI. Significant Achievements and Events

- **Establishment of Mizzou-Crescent Research collaboration center (MUC3)**

The center was inaugurated by Dr. Parker, Associate Dean Research, University of Missouri, USA on 30th October, 2018 to promote research, student and faculty exchange and to establish research collaboration between two institutions. Dr. S. Hemalatha has been designated as the lead Crescent coordinator and Dr. Anandhi as the lead Missouri coordinator. Through this research center, 2 B.Tech students from SLS will be sent for summer internship at University of Missouri, the cost of boarding, lodging, lab fee will be covered by University of Missouri. The life sciences innovation and management course will be offered to B.Tech students from University of Missouri. Joint Indo-USA research grants will be submitted from both the institutions.

➤ **Bio-NEST grant from BIRAC**

Bio-NEST scheme was launched by Biotechnology Industry Research Assistance Council (BIRAC), DBT to foster the biotech innovation ecosystem in the country. Bio-NEST program provides support to establish bio-incubators as a part of the academia. A grant of Rs. 1.8 Crore from BIRAC was approved for the Institution for the joint proposal submitted by Crescent Incubation & Innovation Council (CIIC) and School of Life Sciences during September 2018. This grant will be used to establish bio-incubator to support faculty and students biotech start-ups. BIRAC has approved Rs.1.2 crores to establish infrastructure and Rs.60 lakhs for the instruments. The focus area of the Bio-Nest bioincubator will be Bionanotechnology.

➤ **Establishment of Crescent Business School and Centre For Leadership**

Crescent School of Business and Centre for Leadership was established in the Institute premises. The facilities were inaugurated on 11.02.19 by Dr. Vaseehar Hassan, INSEAD Executive Coach and Chief Mentor of Crescent School of Business in the presence of our Vice Chancellor.

➤ Other Salient events are :

- ❖ **CRESCENTSAT prototype satellite - balloon launched successfully on 24.02.2019.**
- ❖ Annual Sports day of the Institute was conducted on 30.01.2019.
- ❖ Fest O' Cres (ORION) was held from 29 Feb to 2 March 2019.
- ❖ ISO internal audit was held on 14th December 2018 successfully.
- ❖ Alumni reunion event - Hangout meeting was held on 22 December 2018 at Le Royal Meridian Hotel, Chennai.

Resolution:

After discussion, the academic council noted the development and academic activities of the Institution from previous Academic Council meeting held on 29.08.2018 to 06.03.19.

Item 13.1.1

To confirm the Minutes of the Twelfth meeting of the Academic Council held on 29th August 2018

Note on Agenda

The Twelfth Meeting of the Academic Council was held on 29.08.2018 at 10.00 a.m. at Seminar Hall-III. The minutes of the meeting was communicated to all the members and no comments were received.

The minutes of the meeting is enclosed in **Annexure 13.1.1.**

The Academic Council (Senate) may confirm the minutes.

Resolution:

As there were no comments received from the members, the minutes of the Twelfth meeting of Academic Council was confirmed.

Item 13.1.2

To consider the Action Taken Report of the Twelfth Academic Council Meeting Minutes.

Note on Agenda

The action taken report on the minutes of twelfth meeting of Academic Council is enclosed in **Annexure 13.1.2.**

The Academic Council (Senate) may take note of the same.

Discussion:

The Item 12.2.13 pertaining to alignment of B.Tech. curriculum in line with AICTE model curriculum was discussed in detail. Dr. V. Jagadeesh Kumar suggested that the AICTE has given a model framework only and the Institution can frame its own curriculum with choices for the students to pursue humanities courses and open courses of other streams also. He also suggested that about 45 % of total courses can be made as elective courses for the students. The student's undergone more than 4 courses in any stream may be awarded a Minor degree

in that particular stream. A curriculum can be framed in such a way that it offers flexibility to students to undergo courses of their interest.

Resolution:

After discussion the Action Taken Report of the Twelfth Meeting of Academic Council was noted.

Item 13.1.3

To consider and approve the revised Vision and Mission statements of the Institution

Note on Agenda

From the academic year 2017-18, the institute broadened its ambit by offering new programmes on Law, Pharmacy and Arts streams. This necessitated the revision of vision and mission. As discussed in the previous Academic Council meeting, the vision and mission statements were framed by receiving inputs from various stakeholders. The vision and mission statements were discussed at department level meeting with students and faculty members and also deliberated in the Deans, Directors and HoDs meeting.

The revised Vision and Mission of the Institute are given in Annexure 13.1.3.

The Academic Council (Senate) may consider and approve the same.

Discussion:

Prof. Thangamuthu emphasized that the vision and mission statements are very important and shall be in orientation with the perspective plan of the Institution.

Dr. A. Azad, Registrar mentioned that revision in vision and mission statement of the Institute was done after rigorous exercise by obtaining views and suggestions from stakeholder's viz. faculty members, parents, alumni, students, industry etc.

Resolution:

After deliberations, the revised Vision and Mission statement of the Institute was approved.

Item 13.1.4

To consider and approve the “Crescent Quality Mandate – 2018”

Note on Agenda

Adhering to the guidelines of UGC and its approved objectives for improving quality education in Higher Education Institution, the Institution has framed the following objectives as “Crescent Quality Mandate – 2018” to achieve the same by 2022:

- Improve the graduate outcomes
- Engage Students in socially productive activities
- Train students in professional skills for global competitiveness and employability
- Ensure the availability of teachers and their orientation on emerging educational trends and pedagogies
- Promoting quality research and innovations by faculty
- Learning outcome based curriculum framework
- ICT for effective teaching learning process and digitization of institutional activities
- Establishment of alumni connects and strong alumni network
- Accreditation and ranking of Institution and all programmes
- Green and Clean campus

The Crescent Quality Mandate - 2018 was also deliberated in the Planning and Monitoring Board meeting held on 02.02.19. The PMB members suggested that quantitative parameters may be given as qualitative parameters.

The Crescent Quality Mandate - 2018 is given in Annexure 13.1.4 .

The Academic Council (Senate) may consider and approve the same.

Discussion:

Prof. Thangamuthu observed that the Quality mandate policy to be framed with University specific attitudes and by avoiding generalized statements.

Resolution:

After detailed deliberations the above item was approved.

Item 13.1.5

To consider and record the progress made by the institution in the key performance indicators in the calendar year 2018

Note on Agenda

As per the directions of Vice Chancellor, to monitor the performance of the departments / schools, nine performance criteria were framed with target indicators in the year 2017. The progress made by the departments / schools in the calendar year 2018 is presented in Annexure 13.1.5.

From the calendar year 2019, “Performance Assurance Audit System” will be followed for tracking / monitoring performance of various departments / divisions / center by adopting dashboard system (with performance metrics & indicators) in line with blue ocean strategies. For individual departments / divisions / centres, one senior professor will be made as in-charge to continuously monitor the performance and suggest remedial measures.

This was also deliberated in the Planning and Monitoring Board meeting held on 02.02.19 and consent was obtained.

The Academic Council (Senate) may consider and take note of the same.

Discussion:

The council appreciated the efforts taken by the honorable Vice Chancellor in this regard. Prof. Thangamuthu suggested to attach incentive mechanism to the faculty members with remarkable contribution to the institution in terms of academics / administration / research etc. over the period of 5 years or more. This strategy will improve the retention ratio of the faculty members. He also suggested to visualize and award credits to the employees with unique quality viz. writing papers, exhibiting administrative and leadership skills etc.

Resolution:

After detailed discussion the above item was approved.

Item 13.1.6

To consider and ratify the establishment of Centre for Innovation in Teaching and Learning (CITL)

Note on Agenda

Centre for Innovation in Teaching and Learning has been created in December 2018 to encourage creation of innovative teaching pedagogies & facilitate faculty members to record video lectures for uploading in the Institution website for the benefit of students. 25 short video lectures have been recorded in the last two months using this facility.

The Academic Council (Senate) may consider and ratify the item.

Discussion:

The members appreciated the efforts of the Institution in establishing Centre for Innovation in Teaching and Learning and suggested to utilize this facility for enhancing the Teaching – Learning process.

Resolution:

After deliberations the above item was ratified.

ITEMS MOVED BY THE DEAN ACADEMIC AFFAIRS

Approvals and Ratifications

Item 13.2.1

To consider and approve the start of new programmes from the academic year 2019-20

Note on Agenda

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

PG Programme

- MBA (Innovation, Entrepreneurship & Venture Development)

PG Diploma Programme

- Post Graduate Diploma in Management (PGDM) (2 years)

This was also deliberated in the IQAC meeting held on 29.01.2019 and also in the Planning & Monitoring Board meeting held on 02.02.19 and obtained its approval.

The Academic Council (Senate) may consider and approve the same.

Discussion:

Prof. Thangamuthu suggested to offer programmes in cutting edge areas such as Artificial Intelligence, Nano Science etc.

Registrar mentioned that AICTE has given a model curriculum and Syllabi for the MBA (Innovation, Entrepreneurship & Venture Development) Programme and have identified BSACIST as one of the Institutions to offer this programme from the academic year 2019-20.

He also explained the salient features of the 2 year PGDM programme and mentioned that many courses in this programme will be handled by affiliate faculty members from academia / industry to enhance the employment prospects of students pursuing this programme.

Resolution:

After detailed discussion the above item was approved.

Item 13.2.2

To consider and ratify the M. Arch. (General) Regulations 2018

Note on Agenda:

The Regulations of M. Arch. was deliberated in the Board of Studies of Crescent School of Architecture and framed in the Academic year 2018 -19.

The Regulations of M. Arch. R2018 is given in Annexure 13.2.2.

The starting of M. Arch. (General) programme was informed in the 12th Academic Council and was approved.

The Academic Council (Senate) may consider and ratify the M. Arch. (General) Regulations 2018 with effect from academic year 2018-19.

Resolution:

After detailed discussion the above item was ratified.

Item 13.2.3

To consider and approve the amendment to M. Arch. (General) Regulations 2018.

Note on Agenda

- The clause 12.1 of M. Arch. (General) R 2018 is modified as shown in Annexure 13.2.3.

The Academic Council (Senate) may consider and approve the above mentioned amendments in M. Arch (General) Regulations 2018.

Resolution:

After detailed discussion the above item was approved.

Item 13.2.4

To consider and approve the amendment to Clauses 18.2 of B.Tech. Regulations, 2017 & 18.3 of R2013; 13.6 of M.Tech./MCA/ M.Sc. R2016; 18.0 of MBA R2018 and 17.2 of B.Des. R2017.

Note on Agenda

The Institution encourages students and faculty members to pursue MOOC under SWAYAM and NPTEL. The Institute has already facilitated the students of B.Tech. R 2013 & 2017; M.Tech./MCA/ M.Sc. R 2016; MBA R2018 and B.Des. R2017 to undergo online courses up to six credits and subsequently apply for credit transfer. Now AICTE has permitted the students to earn up to 20% of the credits by study through SWAYAM, NPTEL online courses. This was deliberated in the IQAC meeting held on 29.01.19 and also in the HODs and Deans meeting.

Considering the significance of MOOC courses, it is suggested to increase the number of credits to 12 from the present 6 credits.

The amendment to Clause 18.2 of B.Tech. Regulations, R 2017 & Clause 18.3 of R2013; Clause 13.6 of M.Tech./ MCA/ M.Sc. R 2016; and Clause 18.0 of MBA Regulations R 2018 and 17.2 of B.Des. R2017 are given in Annexure 13.2.4.

The Academic Council (Senate) may consider and approve the item.

Resolution:

After detailed deliberations the above item was approved.

Item 13.2.5

To consider and ratify the structure of feedback adopted for evaluation of teacher, course syllabus; and stakeholder's feedback on academic, administrative and infrastructure facilities

Note on Agenda

In every semester, feedback is taken from the students in two levels:

Level I- Feedback on course teacher

(15 -20 working days from the commencement of semester)

Level II A- Feedback on course teacher

(within 15 working days after the Continuous Assessment Test 1)

Level II B- Feedback on the course

(within 15 working days after the Continuous Assessment Test 1)

In the earlier system, feedback was received on a 5 point scale. Moreover, the questionnaire used was same for theory and laboratory courses.

To have a better overview of the feedback system, it was suggested to change the feedback point scale from 5 to 10 and separate set of questionnaires for theory and laboratory courses were framed.

Also in case of evaluation of teachers, if the average feedback received from students (at least 50% of students) in a class is less than 6, then the teacher shall be counseled by the Department Head / School Dean / Dean Academics (based on need) and accordingly actions are taken for improvement.

The questionnaires for Laboratory and theory courses are given in Annexure 13.2.5A.

To facilitate stakeholders to offer feedback online about academic, administrative and infrastructure facilities, separate feedback forms have been created on a 10 point scale. The consolidated report on this feedback will be utilized for the futuristic development of the Institution.

The various stakeholders feedback forms uploaded in the website are given in Annexure 13.2.5B.

The Academic Council (Senate) may consider and ratify the above item.

Discussion:

Prof. C. Thangamuthu suggested to take a feedback on functioning of faculty mentoring system. He also suggested to present the gray areas of faculty mentoring system in the next meeting.

Dr. Khurram Mustafa mentioned that the integrity of students towards feedback measurement is questionable and suggested that feedback not to be considered for appraisal.

Dr. V. Jagadeesh Kumar suggested that students and faculty members can jointly develop a mobile app to collect feedback from students.

Prof. Thangamuthu emphasized the significance of exit feedback and alumni feedback; and subsequent action taken on the same.

Vice Chancellor informed the Director, Data Centre to develop an app for obtaining students feedback. He also informed the Dean, AA to present a progress report in this regard in the next academic council meeting.

Resolution:

After detailed deliberations the above item was ratified.

Item 13.2.6

To consider and ratify the skill based value added courses on industry specific software and Robotics

Note on Agenda

IIT Bombay- Spoken Tutorial

- Our institute has signed an MOU with IIT Bombay- Spoken Tutorial(ST).This program is about teaching and learning a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, LibreOffice etc. via an easy Video tool - Spoken Tutorials. This software has been developed by IIT Bombay in line with current industry needs.
- The Institute has registered for 14 courses namely C/C++, Java, Netbeans and Python, PHP & MySQL, Arduino, Oscad - now eSIM, Scilab, Linux-Ubuntu, LaTeX, Python, QCAD, LaTeX & Xfig, LibreOffice, Impress, Q-CAD,FRONT ACCOUNTING in the even semester 2018-19. Totally 1241 students have enrolled for various courses. The students pursue the courses by registering in the IIT Bombay (ST) portal under the monitoring of course coordinator and Institute Faculty Organizer. After successful completion of the course, the institute facilitate issue of certificate by IIT Bombay (ST).

Robotics Lab

- Exclusive Robotics Lab is being established in the Institute premises. The following skill based courses are offered to the students in association with M/S. Prag Robotics pvt Ltd, Chennai. The prototype industry Robot will be made available in the laboratory to enhance the teaching - learning process.
 - Internet of Things
 - Data Science
 - Artificial Intelligence
 - Service Robotics
 - Industrial Robotics
 - Deep Learning

This was also deliberated and noted in the IQAC meeting held on 29.01.19 and Planning and Monitoring and Board meeting held on 02.02.19.

The Academic Council (Senate) may consider and ratify the same.

Discussion:

Vice Chancellor informed that value added programmes such as Students Pilot License, Diploma in Assistant Flight Dispatcher, Diploma in Cabin Crew management and Diploma in Ground Handling are also offered to the students.

Prof. Thangamuthu suggested printing of value added courses pursued by the students during the period of study in the consolidated mark sheet issued by the Institution. He told that this practice is in existence in some Universities like Bharthidasan University etc. Prof. Raju was also endorsed this view.

Prof. Thangamuthu also mentioned that this new initiative by the Institution will increase the employment opportunity of students.

Vice Chancellor informed the Controller of Examinations to explore the possible implementation of this initiative at the earliest.

Resolution:

After detailed discussion the above item was ratified.

ITEMS MOVED BY CONTROLLER OF EXAMINATIONS

Item 13.3.1

To consider and approve the request for Introduction of Assessment week and Change in Continuous Assessment Test Timings

Note on Agenda

In the existing setup for Continuous Assessment Test (CAT), students had less focus on the lectures delivered in the classes during the period of CAT. The faculty members also felt that the teaching-learning process was not happening in an effective manner. Based on this feedback, it is recommended to introduce the concept of Assessment week.

From the forthcoming Academic Year 2019-20, an assessment week (Seven working days) is proposed to be allotted for each CAT and with no regular classes. Regular classes shall resume from the subsequent day of the CAT as applicable for each programme. This was deliberated in the Deans, Directors & HODs meeting and was recommended for approval.

The Academic Council (Senate) may consider and approve the same.

Discussion:

Dr. Haji Sheik Mohammed explained the procedure for the conduct of continuous assessment test, semester end examination, internal and external audit conducted by the departments for the clarification raised by Prof. Thangamuthu.

Prof. Thangamuthu emphasized the need for augmenting the external academic audit process and suggested to present the outcome and the action taken on the same in the subsequent academic council meeting.

Resolution:

After detailed discussion the above item was approved.

ITEMS MOVED BY DIRECTOR, ADMISSIONS

Item 13.4.1

To consider and approve the intake for the various programmes offered by the Institution under the ambit of AICTE for the academic year 2019-20

Note on Agenda

Considering the student patronage and industry needs, the intake for certain programmes has been revised and accordingly submitted to AICTE for approval. The revised sanctioned intake for the various programmes (including new programmes proposed in the academic year 2019-20) is as follows:

I. Undergraduate Programmes

S.No.	UG Programmes	Proposed Intake
1.	B.Tech. Aeronautical Engineering	60
2.	B.Tech. Automobile Engineering	60
3.	B.Tech. Biotechnology	120
4.	B.Tech. Civil Engineering	60
5.	B.Tech. Computer Science & Engineering	300
6.	B.Tech. Electrical & Electronics Engineering	60
7.	B.Tech. Electronics & Communication Engineering	120
8.	B.Tech. Electronics & Instrumentation Engineering	30
9.	B.Tech. Information Technology	60
10.	B.Tech. Mechanical Engineering	180
11.	B.Tech. Polymer Engineering	30
12.	B.Tech. Electrical & Electronics Engineering (Part Time)	60
13.	B.Tech. Mechanical Engineering (Part Time)	60
14.	B.Arch.	80
15.	B.Des.	60
16.	B. Pharm.	60

II. PG Programmes

S.No.	UG Programmes	Proposed Intake
1.	M.Tech. Avionics	18
2.	M.Tech. Biotechnology	18

3.	M.Tech. CAD-CAM	18
4.	M.Tech. Computer Science & Engineering	18
5.	M.Tech. Communication Systems	18
6.	M.Tech. Power Systems and engineering	18
7.	M.Tech. Construction Engineering & Project Management	18
8.	M.Tech. Information Technology	18
9.	M.Tech. Structural Engineering	18
10.	M.Tech. VLSI & Embedded Systems	18
11.	M.Arch.	20
12.	MBA	120
13.	MCA	120
14.	MBA (Innovation, Entrepreneurship and Venture Development)	60
15.	PGDM	60

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

ITEMS MOVED BY DIRECTOR, HR

Item 13.5.1

To consider and ratify the appointment of teaching and non-teaching faculty during September 2018 – February 2019

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, appointment of new teaching and non teaching faculty were made in the last six months.

The list of faculty appointed during September 2018 – February 2019 is given in **Annexure 13.5.1.**

The Academic Council (Senate) may consider and ratify the same.

Discussion:

Prof. Thangamuthu confirmed the existing practice of having reserve / waitlist candidates during recruitment process. This was also endorsed by Director, HR.

Resolution:

After detailed discussion the above item was approved.

Items moved by Chairman, Board of studies

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 13.6

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

Item 13.6.1

To consider and approve the value added course offered for B.Tech. (Computer Science & Engineering)

Note on Agenda

The course Android App Development was conducted by the department during June 2018 - Nov 2018 in collaboration with Braingroom India Pvt Ltd. Based on the outcome and the feedback from the students and staff members, it was decided in the Board of Studies to offer Android App Development course as a value added course from the even semester 2018-19.

The syllabus is enclosed in Annexure 13.6.1.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

DEPARTMENT OF INFORMATION TECHNOLOGY

Item 13.7

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

Item 13.7.1

To consider and approve the revision in the curriculum and syllabi of B.Tech. Information Technology under Regulations 2017 and M.Tech. IT Regulations 2016

Note on Agenda

The following new elective courses were added to V, VI and VII semester of B.Tech IT Regulations 2017 considering the latest technologies in the industry and feedback from the industry experts:

- ITCX113 - TCP/IP Protocol Suite
- ITCX224 - Introduction to Industry 4.0 and Industrial IOT
- ITCX132 - Artificial Intelligence for Data Science
- ITCX133 – Block chain Technology

The following new elective courses were added to M.Tech IT Regulations 2016:

- Big Data Analytics for IoT
- Block Chain Architecture and Use Cases

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

The detailed syllabi of the elective courses are given in **Annexure 13.7.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After deliberations the above item was approved.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 13.8

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

Item 13.8.1

To approve the curriculum and syllabi of semester I and II of BCA [Multimedia and Web Application Development] programme under BCA Regulations, 2016.

Note on Agenda

The BCA programme with specialization in Multimedia and Web Application Development is specially designed to enhance the employability of students in the current scenario. This curriculum and syllabi were discussed in the Board of Studies of the Department of Computer Applications and the board has recommended the same for approval. The programme will be introduced from the Academic Year 2019-20 onwards.

The detailed curriculum and syllabi of the BCA Programme (with specialization in Multimedia and Web Application development) are given in Annexure 13.8.1.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.8.2

To consider and approve the value added course on Predictive Data Analytics

Note on Agenda

In present scenario, data analytics plays a vital role in IT industry. In order to improve the employability skills, value added course on Predictive Data

Analytics is to be offered in BCA programme. This course will be conducted by professionals and industry experts.

The detailed syllabus is given in Annexure 13.8.2.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.8.3

To consider and approve the revision in curriculum and syllabi of III and IV semester of BCA (with specialization in Cloud Technology and Information Security, Mobile Applications and Information Security, Data Science) and B.Sc. (Computer Science), Regulations 2016

Note on Agenda

To cater to the need of the industries, the curricula and syllabi of III & IV semester of B.Sc. (Computer Science), BCA (with specialization in Cloud Technology and Information Security, Mobile Applications and Information Security, Data Science) are revised. These revised curricula and syllabi are to be implemented from the Academic Year 2019-20 onwards.

The curricula and syllabi for the programmes BCA (CTIS), BCA (MAIS), BCA (Data Science) and B.Sc. Computer Science are given in Annexure 13.8.3.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

DEPARTMENT OF MATHEMATICS

Item 13.9

To consider and approve the recommendations of the Board of Studies of the Department of Mathematics

Item 13.9.1

To consider and approve the inclusion of elective to M. Sc. Actuarial Science Regulations 2016

Note on Agenda:

The syllabus of the course MACX07 - Econometric Methods and Actuarial practices was discussed in the Board of Studies of the Department of Mathematics and the board has recommended for approval. This course was introduced to incorporate the changes made in CT exam series by Institutes of Actuaries across the globe.

The syllabus of the course is given in **Annexure 13.9.1**.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After deliberations the above item was approved.

Item 13.9.2

To consider and approve the value added course offered by the Department of Mathematics

Note on Agenda:

The course Financial Mathematics is to be offered to M.Sc. Actuarial Science students. The syllabus was discussed in the Board of Studies of the Department of Mathematics and the board has recommended for approval.

The syllabus for the above course is given in **Annexure 13.9.2**.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

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

Item 13.10

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

Item 13.10.1

To consider and approve the revision of curriculum & syllabi of III & IV semester Part-time B.Tech. Electrical and Electronics Engineering, Regulations 2017

Note on Agenda

The syllabi of III & IV semester Part-time B.Tech. Electrical and Electronics Engineering were revised. This programme is attracting more patronage from industries like M/s. Mando Automotive India Pvt. Ltd and Apollo Tyres. 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 curriculum and the detailed syllabi of the III and IV semesters are given in **Annexure 13.10.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.10.2

To consider and approve the value added courses offered by the department of Electrical and Electronics Engineering

Note on Agenda

The Department of Electrical and Electronics Engineering is offering the following value added courses:

- Transmission and Distribution Design (to be offered by Kestrel Engineering Services)
- Reasoning and Quantitative Aptitude

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

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.10.3

To consider and approve the revision in curriculum and syllabus of B.Tech EEE Regulation 2017

Note on Agenda

Course names have been changed in order to have uniformity among the departments offering the courses.

S.No.	Course Code & Name (Old)	Course Code & Name(New)
1	EECX13 Electric Vehicles	EECX13 Electric Vehicle Technology
2	EECX10 Restructured power systems	EECX10 Restructured power system
3	EECX07 Flexible AC Transmission Systems	EECX07 Flexible AC Transmission System

Based on the feedback from faculty members handling the courses, the syllabus of the course EECX13 Electric Vehicle Technology was modified and the course

EECX23 Software for Circuit Simulation was decided to be offered as laboratory integrated course to impart practical training to the students.

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 curriculum and syllabi is given in Annexure 13.10.3.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 13.11

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

Item 13.11.1

To consider and approve the value added courses offered by the Department of Electronics and Communication Engineering

Note on Agenda

The Department of Electronics and Communication Engineering is offering the following value added courses:

- **Automotive Open System Architecture (AUTOSAR)** in association with M/s. Jasmin Infotech, Chennai.
- **Graphical Programming using Lab view** in association with M/s. National Instruments, Bangalore.

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.

The detailed syllabi of the value added courses are given in **Annexure 13.11.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Item 13.12

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

Item 13.12.1

To consider and approve the revised curriculum and syllabi of B.Tech. Electronics and Instrumentation Engineering under Regulations 2013

Note on Agenda

The elective courses Piping and Instrumentation Layout in Process Industries and Internet of Things were included in the B.Tech. EIE Regulations 2013, as per the request of students. These courses will increase the employability opportunities of the students in the industries. These revisions were discussed in the Board of Studies of the Department of Electronics and Instrumentation Engineering and the board has recommended the same for approval.

The detailed curriculum and syllabi is given in **Annexure 13.12.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After deliberations the above item was approved.

Item 13.12.2

To consider and approve the Value Added Courses offered by the Department of Electronics and Instrumentation

Note on Agenda

For the students to pursue their career in large scale industrial environments, system integration houses and to equip them in design, engineering, installation, commissioning, project management, maintenance, etc., a value added course on **Intrinsically Safe Instrumentation** in collaboration with EATON MTL Instruments is proposed for B.Tech EIE Students.

The systematic and periodic checking of Test & Measuring Instruments is very essential for reliable measurements. To offer students to pursue their career as Calibration or Maintenance Engineer in preparation of calibration schedules, carrying out the calibration as per the prepared and approved schedule, ensuring that instruments are always in calibrated state, a value added course “Calibration of Instruments” is framed.

The syllabi of the courses were discussed in the Board of Studies of the Department and the Board has recommended for approval

The detailed syllabi of the courses are given in **Annexure 13.12.2.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

SCHOOL OF INFRASTRUCTURE
DEPARTMENT OF CIVIL ENGINEERING

Item 13.13

To consider and approve the recommendations of the Board of Studies of the Department of Civil Engineering

Item 13.13.1

To consider and approve the revision in the curriculum and syllabi of B.Tech. Civil Engineering (VII & VIII Semester) under Regulations 2017

Note on Agenda

The syllabi of VII and VIII semester courses of B.Tech. Civil Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Civil Engineering and the board has recommended the same for approval.

The curriculum and the detailed syllabi of the seventh and eighth semesters are given in **Annexure 13.13.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.13.2

To consider and ratify the NPTEL course as elective course for M.Tech Structural Engineering and Construction Engineering & Project Management under Regulations 2016.

Note on Agenda

A 12-week NPTEL course on “Fire Protection, Services and Maintenance Management of Building” was taken by the students of M.Tech. Structural Engineering and M.Tech. Construction Engineering & Project Management. This course is equivalent to 3 credit elective courses offered in M.Tech Structural Engineering and M. Tech. Construction Engineering & Project Management.

This was discussed in the Board of Studies of the Department of Civil Engineering and the board has recommended for credit transfer.

The detailed syllabus of the elective course is given in **Annexure 13.13.2.**

The Academic Council (Senate) may consider and ratify the same.

Resolution:

After discussion the above item was ratified.

Item 13.13.3

To consider and approve the certificate course on “Sustainable Infrastructure” in the Department of Civil Engineering

Note on Agenda

The department of Civil Engineering is offering a certificate course on “Sustainable Infrastructure” in association with M/s. Mahindra Consulting Engineers Pvt. Ltd., Chennai. After detailed deliberations, it was resolved to approve the certificate course and the board has recommended for approval.

The syllabus is enclosed in **Annexure 13.13.3.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.13.4

To consider and approve the value added courses in the Department of Civil Engineering

Note on Agenda

The Department of Civil Engineering is offering the value added courses viz., **Revit Architecture, Primavera, E Tab and Google Sketchup** for B.Tech. and M.Tech. students. After detailed deliberations the board has recommended the same for approval.

The syllabus is enclosed in **Annexure 13.13.4.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

SCHOOL OF MECHANICAL SCIENCES DEPARTMENT OF AEROSPACE ENGINEERING

Item 13.14

To consider and approve the recommendation of Board of Studies of the Department of Aerospace Engineering

Item 13.14.1

To consider and approve the curriculum of M.Tech. Avionics

Note on Agenda

The curriculum of **M.Tech. Avionics** were framed and deliberated in the Board of Studies of the Department of Aerospace Engineering and the Board has recommended the same for approval.

The curriculum of the programme is given in **Annexure 13.14.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Item 13.15

To consider and approve the recommendation of the Board of Studies of the Department of Automobile Engineering

Item 13.15.1

To consider and approve the revision in the syllabi of III and IV semester B.Tech. Automobile Engineering under Regulations 2017

Note on Agenda

The syllabi of III and IV semester courses of B.Tech. Automobile Engineering under Regulations 2017 were revised. These revisions were discussed in the Board of Studies of the Department of Automobile Engineering and the board has recommended the same for approval.

The curriculum and the detailed syllabi are given in **Annexure 13.15.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

DEPARTMENT OF MECHANICAL ENGINEERING

Item 13.16

To consider and approve the recommendations of the Board of Studies of the Department of Mechanical Engineering

Item 13.16.1

To consider and approve the revision in the curriculum and syllabi of B.Tech. Mechanical Engineering (Part Time) under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Tech. Mechanical Engineering (Part Time) under Regulations 2017 were revised. The syllabi of IV to VII semesters of B.Tech. Mechanical Engineering were also thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Mechanical Engineering and the board has recommended the same for approval.

The curriculum and the detailed syllabi are given in **Annexure 13.16.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.16.2

To consider and approve the revision of syllabus of the course MECX13 Product design and Manufacturing for B.Tech. (Mechanical Engineering) under Regulations 2017

Note on Agenda

The revision of the syllabus of the course **MECX13 Product design and Manufacturing** for B.Tech (Mechanical Engineering) under Regulations 2017 was deliberated in the Board of Studies of the Department of Mechanical Engineering and the same was recommended for approval.

The detailed syllabus is given in **Annexure 13.16.2.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 13.16.3

To consider and approve the inclusion of elective courses for Ph.D. Scholars

Note on Agenda

The course **MECZ01 Energy Resources and Conversion Technique** is to be offered for the Ph.D. Scholars based on the recommendation of the doctoral committee and is included in the elective courses. This was discussed in the Board of Studies of the Department of Mechanical Engineering and the board has recommended the same for approval.

The detailed syllabi are given in **Annexure 13.16.3.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After deliberations the above item was approved.

DEPARTMENT OF POLYMER ENGINEERING

Item 13.17

To consider and approve the recommendations of the Board of Studies of the Department of Polymer Engineering

Item 13.17.1

To consider and approve the revision in the syllabi of B.Tech. Polymer Engineering under Regulations 2017

Note on Agenda

The industrial experts suggested to revise the syllabus of the following courses of B.Tech. Polymer Engineering:

- ◆ **PEC 2101 - Chemistry of Macromolecules**
- **PEC 2213 - Rubber and Plastic compounding**
- **PEC 3101 - Plastic Processing Engineering**
- **PEC 4101 - Mould and Die Design**

- **PECX008 - High Performance Polymers**
- **PECX018 - Extrusion Moulding Technology**
- **PECX 030- Rapid Proto typing – 3D Printing**
- **PECX002 - Thermoplastic Elastomers**
- **PECX 004 - Heat resistant Polymers**

These courses were revised as per the suggestions of experts and the board has recommended the same for approval.

The curriculum and the syllabi of the revised courses are given in **Annexure 13.17.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

SCHOOL OF SOCIAL SCIENCE AND HUMANITIES
DEPARTMENT OF COMMERCE

Item 13.18

To consider and approve the recommendations of the Board of Studies of the Department of Commerce

Item 13.18.1

To consider and approve the curricula and syllabi of B.Com. (Hons), BBA (General), BBA (Family Business) and M.Com

Note on Agenda

The curricula and syllabi of the programmes B.Com. (Hons), BBA (General), BBA (Family Business) and M.Com were framed and deliberated in the Board of Studies of the Department of Commerce and the board has recommended the same for approval.

The curricula and syllabi of B.Com. (Hons), BBA (General), BBA (Family Business) and M.Com are given in Annexure 13.18.1., Annexure 13.18.2., Annexure 13.18.3. , Annexure 13.18.4.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

CRESCENT SCHOOL OF ARCHITECTURE

Item 13.19

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

Item 13.19.1

To consider and ratify the revision of the curriculum & syllabi of M. Arch. (General), Regulations 2018.

Note on Agenda

The Curriculum and Syllabi of M. Arch (General) were revised thoroughly. The salient revisions are as follows:

- Changes in course code
- Revision of syllabi of second semester courses and elective courses

These revisions were discussed in the Board of Studies of Crescent School of Architecture and the board has recommended the same for ratification with effect from the academic year 2018-19.

The detailed curriculum and syllabi are given in **Annexure 13.19.1.**

The Academic Council (Senate) may consider and ratify the same.

Resolution:

After discussion the above item was ratified.

Item 13.19.2

To consider and ratify the revision in the curriculum and syllabi of B.Arch Regulations 2016.

The syllabi of the following courses were modified as per suggestions of experts from the industry:

AR C 1107 ALLIED DESIGN STUDIO – I

AR C 2302 CLIMATIC DESIGN

AR C 2405 SITE PLANNING AND ANALYSIS

A new elective course “Contemporary Process in Architectural Design” was also included for the IX semester B.Arch Students.

Other salient revisions are:

- Addition of new references in some courses
- Changes in number of teaching hours in few courses
- Changes in course code of courses

These revisions were discussed in the Board of Studies of Crescent School of Architecture and the board has recommended the same for ratification.

The detailed curriculum and syllabi are given in Annexure 13.19.2.

The Academic Council (Senate) may consider and ratify the same.

Resolution:

After discussion the above item was ratified.

Item 13.19.3

To consider and ratify the revision in the curriculum and syllabi of B.Des Regulations 2017

Note on Agenda:

The following revisions were made in the curriculum and syllabi of the B.Des regulations 2017:

- Changes in course code
- Revision of IV and V semester courses and elective courses

These revisions were deliberated in the Board of Studies of Crescent School of Architecture and the Board has recommended the same for ratification.

The detailed syllabus is given in **Annexure 13.19.3.**

The Academic Council (Senate) may consider and ratify the same.

Resolution:

After deliberations the above item was ratified.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

Item 13.20

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

Item 13.20.1

To consider and approve the value added course “Experimental Techniques in material science”

Note on Agenda:

The Department of Physics of is offering a value added course on “**Experimental Techniques in Material Science**” for students of M.Sc. Physics. The detailed syllabus was discussed in the Board of Studies of the Department of Physics and the board has recommended the same for approval.

The syllabus is given in **Annexure 13.20.1.**

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

DEPARTMENT OF CHEMISTRY

Item 13.21

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

Item 13.21.1

To consider and approve the revision in curriculum and syllabi of M.Sc. Chemistry, Regulations 2016

Note on Agenda:

The courses “Advanced Concepts in Organic Synthesis” and “Chemistry of Carbohydrates” were introduced as elective courses for M.Sc. Programme. The detailed syllabi were discussed in the Board of Studies of the Department of Chemistry and the board has recommended the same for approval. The syllabus is given in Annexure 13.21.1.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

CRESCENT SCHOOL OF LAW

Item 13.22

To consider and approve the recommendations of the Board of Studies of the Crescent School of Law

Item 13.22.1

To consider and approve the curriculum and syllabi of B.A.LL.B (Hons.)

Note on Agenda:

The curriculum and syllabi were framed and thoroughly discussed in the Board of Studies of Crescent School of Law. The board has recommended the same for approval. The curriculum and syllabi is given in Annexure 13.22.1.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Any other item

1) To consider and approve the Curriculum and syllabi of B.A. English (Hons.)

Note on Agenda:

The curriculum and syllabi of B.A. English (Hons) was framed and discussed in the Board of Studies of the Department of English and the board has recommended the same for approval. The curriculum and syllabi of the programme are given in Annexure 1.

The Academic Council (Senate) may consider and approve the same.

Resolution:

After discussion the above item was approved.

Excerpt of discussion under Any other item

- ✓ Mr. Siva Sankara Prasad Thupalli appreciated the Management and staff members for achieving Diamond rating in the QS Star Ranking. He commended the efforts taken by the Vice Chancellor in establishing KPI / dash board type performance monitoring system in the academic Institution on par with industry.

- ✓ He suggested to monitor the life time value index (progress made) of faculty members for a period of say 10 years.

- ✓ He also suggested to establish a centre for Industrial consultancy, so that industry can establish contact with the Institution with ease.
- ✓ Prof. C.Thangamuthu insisted to establish alumni contacts and to incubate students patronised by alumni. This will increase the start up companies and the success rate.

Vote of thanks by Registrar

Registrar thanked all the eminent expert members and other members of academic council for their valuable time, august presence and invaluable suggestions for the holistic development of the Institution.



Dr.A. Azad
Registrar



Prof. Sahol Hamid Bin Abu Bakar
Vice Chancellor

Minutes of the Eleventh Meeting of the Academic Council (Senate)

The Eleventh Meeting of the Academic council was held on 18th January, 2017 at 10.00 a.m. in Seminar Hall III of the Convention Centre of B.S. Abdur Rahman Crescent Institute of Science & technology.

The following members attended the meeting:

1. Prof. Sahol Hamid Bin Abu Bakar, Vice Chancellor
2. Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli
3. Prof. V. Ramachandran, Former Vice Chancellor, Anna University, Trichy
4. Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai
5. Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi
6. Mr. B. Suresh, President & CEO, M/s. Mahindra Consulting Engineers Ltd., Chennai.
7. Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., Chennai
8. Dr. M.S. Haji Sheik Mohammed, , Registrar in Charge, Dean, Academic Affairs
9. Dr. I. Raja Mohamed, Dean, Academic Research
10. Dr. P. K. Jawahar, Dean, Student Affairs- Male
11. Dr. A. Jaya, Dean, Student Affairs – Female & Head, Computer Applications
12. Dr. M. Munir Ahamed Rabbani, Controller of Examinations
13. Dr. Syed Mohamed Abdul Majeed, Director, Admissions
14. Dr. S.K.G. Ganesh, Director, PG Admissions
15. Dr. Bikesh Chandra Chakraborty, Director, Polymer Nano Technology Centre
16. Dr. D. Easwaramoorthy, Director, Sponsored Research & Consultancy
17. Dr. R. Raja Prabhu, Director, Accreditation, Ranking and International Affairs
18. Dr. Vasanthi Padmanabhan, Dean (School of Infrastructure)
19. Dr. S. Rasool Mohideen, Dean (School of Mechanical Sciences)
20. Dr. S. Kaja Mohideen, Dean (School of Electrical & Communication Sciences)
21. Dr. P. Sheik Abdul Khader, Dean (School of Computer Information & Mathematical Sciences) & Director Data Centre
22. Ar. G. Jayalakshmi, Dean (Crescent School of Architecture)
23. Dr. P.S.Syed Masood Jamali, Dean (School of Islamic Studies)
24. Dr. S. Hemalatha, Dean (School of Life Sciences)
25. Dr. M. Vijaya Vara Prasad, Dean (Crescent School of Pharmacy)
26. Dr.K.Nilamudeen, Dean (Crescent School of Law)
27. Dr. S. Kutti Rani, Dean (School of Physical and Chemical Sciences)
28. Dr. P.S. Sheik Uduman, Dean (School of Social Science and Humanities)

29. Dr. P. N. Kadhiresh, Head, Department of Aerospace Engineering
30. Dr. M. Subramanian, Head, Department of Automobile Engineering
31. Mr. Basanta Kumar Behera, Head, Department of Polymer Engineering
32. Dr. Haider Yasmeen, Head, Department of Management Studies
33. Dr. Y. Mohamed Shuaib, Head, Department of Electrical and Electronics Engineering
34. Dr. C. Tharini, Head, Department of Electronics & Communication Engineering
35. Dr. P. K. Jawahar, Head, Department of Electronics & Instrumentation Engineering
36. Dr. M. Sandhya, Head, Department of Computer Science & Engineering
37. Dr. M. Kabeer, Head, Department of Information Technology
38. Dr. S. Rajasekaran, Head, Department of Mathematics & Actuarial Science
39. Mr. M. Basheer Ahamed, Head, Department of Physics
40. Dr. I. Mohamed Bilal, Head, Department of Chemistry
41. Dr. Revathy Viswanathan, Head, Department of English
42. Dr. Afzalur Rahman, Head, Department of Commerce
43. Mr. S. Shuja Ahamed, General Manager (FIP)
44. Dr. A. S. Selvakumar, Professor, Department of Mechanical Engineering,
45. Dr. E. Rasul Mohideen, Professor, Department of Civil Engineering
46. Dr. J. Revathy, Professor, Department of Civil Engineering
47. Dr. A. Shahin Sultana, Professor, Department of English
48. Dr. I. B. Shameem Banu, Professor, Department of Physics
49. Dr. M. Basheer Ahamed, Professor, Department of Physics
50. Dr. N. Hajara Beevi, Professor, Department of Chemistry
51. Dr. R. Jayashree, Professor, Department of Electrical & Electronics Engineering
52. Dr. B. Vijyalakshmi, Professor, Department of Electronics & Comm. Engg.
53. Dr. M. Mohamed Ismail, Professor, Department of Electronics & Communication Engineering
54. Dr. D. Najumnissa Jamal, Professor, Department of Electronics & Instrumentation Engineering
55. Dr. Angelina Geetha, Professor, Department of Computer Science & Engineering
56. Dr. R. Shriram, Professor, Department of Computer Science & Engineering
57. Dr. W. Aisha Banu, Professor, Department of Computer Science & Engg.
58. Dr. M. Sharmila Shankar, Professor, Department of Computer Science & Engineering
59. Dr. Latha Tamilselvan, Professor, Department of Information Technology
60. Dr. S. Srinivasan, Professor, Department of Mathematics
61. Dr. E. Syed Mohamed, Associate Professor, Department of Computer Science & Engineering
62. Dr. Karthikeyan Ramalingam Associate Professor, School of Life Sciences
63. Ms. P. Latchoumy, Assistant Professor (Sel. Gr.), Department of Information Technology

Leave of absence was granted to the following members as they have expressed their inability to attend the meeting due to their preoccupation.

1. Mr. Abdul Qadir A. Rahman Buhari, Chairman, Board of Management
2. Prof. Syed Mahdi Abbas Rizvi, Professor, Department of Mechanical Engineering, Aligarh Muslim University, Aligarh.
3. Mr. Sujit Jacob Tharakan, President, Alumni Association, B. S. Abdur Rahman University, Chennai – 600 048.
4. Ms. Nikath M Hamza, Director HR
5. Mr.S. Mohamed Tajudeen, Director, Placement and Training Cell
6. Mr. K. Javubar Sathick, Assistant Professor (Sr. Gr.), Department of Computer Applications

Welcome Address by the Vice-Chancellor

The Vice-Chancellor welcomed the external members Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli, Prof. V. Ramachandran, Former Vice Chancellor, Anna University, Trichy, Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai, Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi, Mr. B. Suresh, President & CEO, M/s. Mahindra Consulting Engineers Ltd., Chennai, and Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., and all the other internal members of the 11th meeting of the Academic Council.

The Vice-Chancellor informed Dr. M.S. Haji Sheik Mohammed, Registrar in Charge to present a brief report on the development and academic activities of the Institution between previous Academic Council meeting held on 25.07.2017 and 17.01.2018. The same was presented by Dr. M.S. Haji Sheik Mohammed.

After discussion on the brief report, the agenda items were presented in the following order:

Item 11.1

To confirm the Minutes of the Tenth meeting of the Academic Council held on 25th July 2017.

Note on Agenda

The Tenth Meeting of the Academic Council was held on July 25, 2017 at 10.00 am in Seminar Hall-III. The minutes of the meeting was communicated to all the members and no comments were received.

The minutes of the meeting is enclosed in [Annexure 11.1](#).

The Academic Council may confirm the minutes.

Resolution :

As there were no comments received from the members, the minutes of the Tenth Academic Council was confirmed.

Item 11.2

To consider the Action Taken Report on the Minutes of the Tenth Meeting of Academic Council.

Note on Agenda

The action taken report on the minutes of Tenth meeting of Academic Council is enclosed in [Annexure 11.2](#).

The Academic Council may take note of the same.

Resolution :

After discussion the Action Taken Report of the Tenth Academic Council was recorded.

Items moved by the Dean (Academic Affairs)

Approvals and Ratifications

Item 11.3.1

To consider and approve the introduction of new programmes.

Note on Agenda

Based on the market survey, it is found that there is a growing demand for Pharmacy/bio-technology students with managerial skills. To cater to this need, Universities in western countries like USA have started offering programmes combining Pharmaceutical Biotechnology & Management. Accordingly it is proposed to introduce the new programmes namely B.Tech. Pharmaceutical Biotechnology & Management and B.Tech. MBA Pharmaceutical Biotechnology & Management.

The Academic Council may approve the introduction of the above programmes.

Discussion:

The Council approved to introduce the new integrated Programme B.Tech. MBA Pharmaceutical Biotechnology & Management.

Dr. V. Jagadeesh Kumar insisted that if the Management Courses are introduced with Engineering Course in the Programme B.Tech. Pharmaceutical Biotechnology & Management, the total credits of core Pharmaceutical Biotechnology has to be compromised.

The Council insisted to check if the nomenclature B.Tech. Pharmaceutical Biotechnology & Management is approved by AICTE and to verify if approval is to be obtained from the Pharmacy Council also. The Council deferred to introduce B.Tech. Pharmaceutical Biotechnology & Management and suggested to introduce the Programme B.Tech. Pharmaceutical Biotechnology.

Resolution:

After detailed discussion the above item was approved.

Item 11.3.2

To consider and approve the change of MBA Programme from Trimester to Semester system.

Note on Agenda

The students are finding it difficult to cope up with Trimester pattern and to carry out real time projects and assignments due to time constraint. When students complete their final trimester, most companies complete their placements. So, students end up

getting internships, projects and placements in less reputed organizations with lower scale of pay.

This was discussed in the Board of Studies of the Department of Management Studies and the board has recommended the same for approval of Academic Council.

This may be implemented from the academic year 2018-19.

The Academic Council may consider and approve the same.

Discussion:

Dr. V. Jagadeesh Kumar explained that in top IIM Business School, trimester pattern is followed. When the Programme is changed from trimester to semester pattern, the number of courses and the credits would be reduced. So he suggested to split a semester into 2 quarters in which one or two credit courses can be offered, thus increasing the number of courses to the same of the IIM Business Schools.

Resolution:

The committee suggested to prepare a framework of curriculum incorporating the above suggestions and circulate the same to the members of the Council for approval.

Item 11.3.3

To consider and ratify the extension of maximum period of study for two B.Tech. students.

Note on Agenda

The following students were admitted in the year 2010 and they should have completed the program within seven years, which ended by July 2017.

Mr.N.Sanjay – 1007071 (B.Tech. – CSE)

Mr.N.Hasan Mohideen - 1001037 (B.Tech. – Civil)

They were granted one time extension of one year beyond the maximum period of study prescribed in the Regulations, 2009. Now they will be permitted to complete their program by July 2018.

The Academic Council may consider and ratify the item.

Discussion:

Mr.N.Sanjay (1007071) of B.Tech.CSE and Mr.N.Hasan Mohideen (1001037) of B.Tech. Civil applied for extension of maximum period of study through their respective departments to the Dean Academic Affairs. The students were given extension with the approval of the Vice Chancellor.

Mr. B. Suresh suggested that in future such cases could be submitted in the Standing Committee on Academic Affairs in which the required base documents would be verified by those members and be recommended to the Council.

Resolution:

After detailed discussion the above item was approved.

Item 11.3.4

To consider and ratify the modified sanctioned intake for the various programs offered by the Institution.

Note on Agenda

The sanctioned intake of students in various programmes was deliberated in the 12th meeting of Board of Management held on 16.08.2017. But considering the student patronage, the sanctioned intake in various programmes are modified during September 2017 and presented here with.

The modified sanctioned intake is given in the [Annexure 11.3.4](#).

The Academic Council may consider and approve the same.

Resolution :

After discussion the above item was approved.

Item 11.3.5

To consider and ratify the amendment in clause 15 and introduction of new clauses in the M.Tech. / M.Sc. / M.C.A. Regulations, 2016.

Note on agenda

It was decided to have salient features of B.Tech Regulations, 2017 such as clauses dealing with substitute examinations, validity of internal marks for arrear examinations and conduct of supplementary examinations similar across all the programs offered by the Institution. In this regard, amendments have been made in the M.Tech./M.Sc/M.C.A Regulations, 2016.

The amendments are given in [Annexure 11.3.5](#).

This modifications are introduced from the Academic Year 2017-18 onwards.

The Academic Council may consider and ratify the same.

Resolution :

After Detailed Discussion, the above features were approved to be implemented for all UG and PG Programmes (semester Pattern) uniformly.

ITEMS MOVED BY CONTROLLER OF EXAMINATIONS

Item 11.4.1

To consider and ratify the question paper pattern for students pursuing B.Tech. under Regulations 2017.

Note on Agenda

The question paper pattern of B.Tech. under Regulations 2013 contains Part-A – (1 mark), Part-B- (2 marks), Part-C (15/12 marks) and Part-D (8/16 marks) questions. Part – C questions were descriptive / analysis type and Part-D question was application oriented. The feedback given by faculty and students over a period of time suggested that students found difficulty in completing the question paper in time. To overcome the above deficiency, new question paper patterns were formulated for continuous assessments and semester end examinations.

The new patterns were deliberated in detail in HoDs, Deans and Directors meeting and the finalized patterns were recommended for implementation from Academic year 2017-18, pending ratification from Academic Council.

The new question paper patterns are shown in [Annexure 11.4.1 \(A\)](#), [11.4.1 \(B\)](#), [11.4.1\(C\)](#).

The Academic Council may consider and ratify the item.

Discussion:

Dr. V. Jagadeesh Kumar suggested that there are few courses in which only descriptive questions can be asked and there will be no scope for applications oriented question. In such cases the course teacher will be forced to ask application oriented questions.

Mr. B. Suresh suggested that if required the course teacher should be given the flexibility to deviate from the above pattern with the approval of the Head of the Department / Dean of School and Dean (Academic Affairs).

Resolution :

After discussion the above item was approved.

Item 11.4.2

To consider and ratify the modified question paper patterns for students pursuing B.Tech. under Regulations 2013 and Regulations 2009; M.Tech. Regulations, 2016; 3-year UG programmes (B.Com, BBA, BCA and B.Sc.), Regulation 2016.

Note on Agenda

The question paper pattern of 3-year UG programmes Regulations 2016 / B.Tech programmes under Regulations 2013 generally contained Part A – (1 mark), Part B- (2 marks), Part C (15/12 marks) and Part D (8/16 marks) questions. Part C questions were descriptive / analysis type and Part D question was application-oriented. The feedback given by faculty and students over a period of time suggested that students found difficulty in completing the question paper in time. Hence, to overcome this deficiency new question paper patterns were formulated for continuous assessments and

semester end examinations. Whereas the existing question paper pattern of B.Tech. Regulations 2009 and M.Tech, M.Sc, M.C.A, M.A Regulations 2016 contains Part A – (2 marks), Part B- (16 marks) questions.

To maintain uniformity in Question paper pattern for all programmes and to emphasize on application oriented questions, the new pattern was followed for B.Tech Regulations 2009, B.Tech Regulations 2013 , 3-year UG programmes Regulations 2016 and M.Tech, M.Sc, M.C.A, M.A. Regulations 2016.

The new pattern was deliberated in detail in HoDs, Deans and Directors meeting and the finalized pattern was recommended for implementation from Academic year 2017-18, pending ratification from Academic Council.

The new question paper patterns are shown in [Annexure 11.4.1 \(A\)](#), [11.4.1 \(B\)](#), [11.4.1\(C\)](#).

The Academic Council may consider and ratify the item.

Resolution :

After discussion the above item was approved.

Items moved by Chairman, Board of studies

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 11.5

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

Item 11.5.1

To consider and approve the curricula and syllabi of B.Tech Computer Science and Engineering with specialization in Big Data Analytics (in association with

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.

Resolution :

After discussion the above item was approved.

DEPARTMENT OF INFORMATION TECHNOLOGY

Item 11.6

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

Item 11.6.1

To consider and approve the revision of syllabi of B.Tech Information Technology under Regulations 2017.

Note on Agenda

The Curriculum and Syllabi of B.Tech. Information Technology, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Tech. Information Technology were revised and discussed in the Board of Studies of the Department of Information Technology. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.6.1](#).

The Academic Council may consider and approve the same.

Resolution :

After discussion the above item was approved.

Item 11.6.2

To consider and approve the revision of syllabi of Professional Electives offered to B.Tech. Electrical and Electronics Engineering under Regulations 2017.

Note on Agenda

The syllabi of eight Professional Elective courses offered by the Department of Information Technology for B.Tech. Electrical and Electronics Engineering were revised. These revisions were discussed in the Board of Studies of the department of Information Technology and the board has recommended the same for approval.

The revised syllabi of Professional Elective courses offered to B.Tech. Electrical and Electronics Engineering are given in [Annexure 11.6.2](#).

The Academic Council may consider and approve the same.

Resolution :

After discussions the above item was approved.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 11.7

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

Item 11.7.1

To consider and approve the revised curriculum and syllabi of B.C.A with specialization in Cloud Technology & Information Security (CTIS), Mobile Application and Information Security (MAIS) and Data Science and B.Sc. Computer Science.

Note on Agenda

As per the directions of UGC, the course Environmental Studies is made mandatory for all the programmes viz. BCA programme with specializations in Cloud Technology & Information Security, Mobile Application & Information Security and Data Science and B.Sc. Computer Science.

Same course code is provided for all common courses in BCA Programme with specializations in Cloud Technology & Information Security, Mobile Application &

Information Security and Data Science. The existing course codes in BCA with specialization Cloud Technology & Information Security are also revised.

To maintain uniformity among the specializations, the syllabi of all courses were revised with five modules. These revisions were discussed in the Board of Studies of the department of Computer Applications and the board has recommended the same for approval.

These revised curricula and syllabi are to be implemented from the Academic Year 2017-18 onwards.

The curricula and syllabi for the BCA Programme with specializations in CTIS, MAIS, Data Science and B.Sc. Computer Science are given in [Annexure 11.7.1.\(A\)](#), [11.7.1.\(B\)](#), [11.7.1.\(C\)](#), [11.7.1.\(D\)](#)

The Academic Council may consider and approve the same.

Resolution :

After discussions the above item was approved.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Item 11.8

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

Item 11.8.1

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

Note on Agenda

The curriculum and syllabi of B.Tech EEE, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semester of B.Tech. EEE were revised. In addition, the syllabi of the programme

electives offered under Power System, Power Electronics & Drives and High Voltage Engineering streams were also revamped. 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 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters and syllabi of programme electives are given in [Annexure 11.8.1](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 11.9

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

Item 11.9.1

To consider and approve the revised syllabi of B.Tech., Electronics and Communication Engineering under Regulations 2017.

Note on Agenda

The Curriculum and Syllabi of B.Tech Electronics and Communication Engineering, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Tech. Electronics and Communication Engineering were revised and discussed in the Board of Studies of the Department of Electronics and Communication Engineering. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.9.1.](#)

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.9.2

To consider and approve the inclusion of additional professional electives in B.Tech. Electronics and Communication Engineering under Regulations 2013.

To meet the industry needs, the courses ECBX21 IOT Networking Technology and ECBX22 Programming Techniques in Embedded Systems are included as elective courses in the B.Tech Regulations 2013. The syllabi of these electives were discussed in the Board of Studies of the Department of Electronics and Communication Engineering and the board has recommended the same for approval.

This will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi of the elective courses are given in [Annexure 11.9.2.](#)

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.9.3

To consider and approve the syllabus of one credit course offered to the Department of Information Technology under Regulations 2017.

The syllabus of the course ECC 2181 Fundamentals of Digital Signal processing offered by the Department of Electronics and Communication Engineering for B.Tech.

Information Technology was revised. This revision was discussed in the Board of Studies of the department of Electronics and Communication Engineering and the board has recommended the same for approval.

The revised syllabus of one credit course offered to B.Tech. Information Technology is given in [Annexure 11.9.3](#).

The Academic Council may consider and approve the same.

Discussion:

Dr. V. Jagadeesh Kumar suggested that the Course Signals and Systems can be offered to all B.Tech Programmes. Prof. V. Ramachandran advised to increase the credits for the course Fundamentals of Digital Signal processing in the next Board of Studies meeting.

Mr. B. Suresh also informed that offering one credit for basic courses can be avoided and courses delivered by industrial experts and academia from foreign countries can be offered as Certificate Courses for the students.

Resolution:

The above item was approved.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Item 11.10

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

Item 11.10.1

To consider and approve the revision of syllabi of B.Tech. Electronics and Instrumentation Engineering under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Tech Electronics and Instrumentation Engineering, Regulations 2017 were formulated and approved in the 10th meeting of the

Academic Council. Now the syllabi of III and IV semesters of B.Tech. Electronics and Instrumentation Engineering were revised and discussed in the Board of Studies of the Department of Electronics and Instrumentation Engineering. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.10.1](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

Item 11.11

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

Item 11.11.1

To consider and approve the revised syllabi of B.Tech. Civil Engineering under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Tech Civil Engineering, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Tech. Civil Engineering were revised and discussed in the Board of Studies of the Department of Civil Engineering. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.11.1.](#)

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.11.2

To consider and approve the inclusion of additional elective courses in M.Tech. Structural Engineering and Construction Engineering & Project Management, Regulations 2016.

Note on Agenda

To cater to the need of the industry, additional one credit elective courses were included in the curriculum of M. Tech. Structural Engineering and M. Tech. Construction Engineering and Project Management programme under Regulations 2016. 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 2017-18 onwards.

The detailed syllabi of the one credit elective courses are given in [Annexure 11.11.2.](#)

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.11.3

To ratify the courses which were offered as electives in M.Tech. Construction Engineering and Project Management for Ph.D. scholars.

Note on Agenda

The following Ph.D. level courses were recommended by the Doctoral Committees of various research scholars of the Department of Civil Engineering:

CECY132 – Air Quality Modelling

CECY133 – RS and GIS for Environmental Engineering

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

The syllabi for the above courses are given in [Annexure 11.11.3](#).

The Academic Council may consider and ratify the same.

Resolution :

The above item was approved.

Item 11.11.4

To consider and approve the syllabus of the course Environmental Studies for BCA Programme, Regulations 2016

The syllabus of Environmental Studies was formulated for the BCA and B.Sc. Programmes. After detailed discussions, the syllabus was recommended for approval by the Board of Studies of the department of Civil Engineering.

The syllabus for the above course is given in [Annexure 11.11.4](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

SCHOOL OF MECHANICAL SCIENCES

DEPARTMENT OF AEROSPACE ENGINEERING

Item 11.12

To consider and approve the recommendation of Board of Studies of the Department of Aerospace Engineering.

Item 11.12.1

To consider and approve the revised syllabi of B.Tech. Aeronautical Engineering under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Tech. Aeronautical Engineering, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Tech. Aeronautical Engineering were revised and discussed in the Board of Studies of the Department of Aerospace Engineering. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.12.1](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.12.2

To consider and approve the inclusion of electives in the B.Tech. Aeronautical Engineering under Regulations 2013.

Elective Courses like Design of UAV/MAV Systems, Flow Diagnostics, Grid Generation, Structural Analysis Tools (NASTRAN and PATRAN), Hyper mesh, Mathematical Modeling & Simulation (MATLAB) are included in the Regulations 2013. These revisions were discussed in the Board of Studies of the Department of Aerospace Engineering and the board has recommended the same for approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi are given in [Annexure 11.12.2](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Item 11.13

To consider and approve the recommendation of Board of Studies of the Department of Automobile Engineering.

Item 11.13.1

To consider and approve the revised curriculum & syllabi of B.Tech. Automobile Engineering under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Tech. Automobile Engineering, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Tech. Automobile Engineering were revised. This was discussed in the Board of Studies of the Department of Automobile Engineering and the board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The revised curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.13.1](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.13.2

To consider and approve the formulation of syllabi of general electives for B.Tech. programmes under Regulations 2017.

Note on Agenda

The syllabi of the general elective courses such as Automotive Pollution Control, Transport Management, Motor Vehicle Act & Insurance, Vehicle Maintenance were formulated. These syllabi were discussed in the Board of Studies of the Department of Automobile Engineering and the board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi are given in [Annexure 11.13.2](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

DEPARTMENT OF MECHANICAL ENGINEERING

Item 11.14

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

Item 11.14.1

To consider and approve the revised syllabi of B.Tech Mechanical Engineering under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Tech. Mechanical Engineering, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Tech. Mechanical Engineering were revised and

discussed in the Board of Studies of the Department of Mechanical Engineering. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.14.1](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

DEPARTMENT OF POLYMER ENGINEERING

Item 11.15

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

Item 11.15.1

To consider and approve the revised Syllabi of B.Tech. Polymer Engineering under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Tech. Polymer Engineering, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Tech. Polymer Engineering were revised and discussed in the Board of Studies of the Department of Polymer Engineering. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.15.1](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

CRESCENT SCHOOL OF ARCHITECTURE

Item 11.16

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

Item 11.16.1

To consider and approve the revised syllabi of B.Des.(Interior Architecture) under Regulations 2017.

Note on Agenda

The curriculum and syllabi of B.Des. (Interior Architecture), Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.Des. (Interior Architecture) were revised and discussed in the Board of Studies of the Crescent School of Architecture. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.16.1](#).

The Academic Council may consider and approve the same.

Discussion:

Mr.Suresh suggested introducing a new programme on Islamic Architecture in collaboration with the department of Civil Engineering. There is large scope for such programmes and related consultancy works in North India. Moreover uniqueness of the Institution will also be exposed.

Resolution:

The above item was approved.

DEPARTMENT OF COMMERCE

Item 11.17

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

Item 11.17.1

To consider and approve the revised curricula and syllabi of B.Com. (General) and B.Com. (Accounts & Finance) under Regulations 2016.

Note on Agenda

The curricula and syllabi of the programmes B.Com. (General) and B.Com. (Accounts & Finance) under Regulations 2016 were revised. The syllabi of the courses German - II, Advanced Tamil and Basic Tamil were deliberated in detail in the Board of Studies of the Department of Commerce and the board has recommended the same for approval.

These curricula and syllabi are to be implemented from the Academic Year 2017-18 onwards.

The curricula and syllabi of B.Com. (General) and B.Com. (Accounts & Finance) programmes are given in [Annexure 11.17.1.](#), [Annexure 11.17.2](#)

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

SCHOOL OF ARABIC AND ISLAMIC STUDIES

Item 11.18

To consider and approve the recommendations of the Board of Studies of the School of Arabic and Islamic Studies.

Item 11.18.1

To consider and approve the revised syllabi of B.A. Islamic Studies (Arabic Medium) under Regulations 2017.

Note on Agenda:

The curriculum and syllabi of B.A. Islamic Studies (Arabic Medium), Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.A. Islamic Studies (Arabic Medium) were revised and discussed in the Board of Studies of the School of Arabic and Islamic Studies. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.18.1](#).

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.18.2

To consider and approve the revised syllabi of B.A Islamic Studies (English Medium) under Regulations 2017

Note on Agenda:

The curriculum and syllabi of B.A Islamic Studies (English Medium), Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of B.A Islamic Studies (English Medium) were revised and discussed in the Board of Studies of the School of Arabic and Islamic Studies. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.18.2.](#)

The Academic Council may consider and approve the same.

Resolution :

The above item was approved.

Item 11.18.3

To consider and approve the revised syllabi of M.A Islamic Studies under Regulations 2017.

Note on Agenda:

The curriculum and syllabi of M.A Islamic Studies, Regulations 2017 were formulated and approved in the 10th meeting of the Academic Council. Now the syllabi of III and IV semesters of M.A Islamic Studies were revised and discussed in the Board of Studies of the School of Arabic and Islamic Studies. The board has recommended the same for approval.

These revisions are to be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the third and fourth semesters are given in [Annexure 11.18.3.](#)

The Academic Council may consider and approve the same.

Resolution :

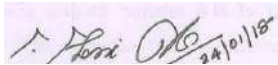
The above item was approved.

Discussion

Mr. B. Suresh asked members of the institution to check the functions of the Academic Council and align the agenda of the next Academic Council according to the requirement. He also suggested that the electives should be inter disciplinary and students from any discipline must be permitted to take an elective course. A study on the frequency of elective courses chosen may be carried out and least chosen electives may be removed.

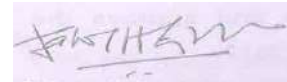
Prof. C. Thangamuthu recommended that the syllabi of various department/schools may be brought under one agenda item by highlighting the salient features of the syllabi. This would give enough time to discuss other important matters.

Vote of thanks by Registrar In-charge



Dr. M.S. Haji Sheik Mohammed

Registrar i/c



Prof. Sahol Hamid Bin Abu Bakar

Vice-Chancellor

Minutes of the Twelfth Meeting of the Academic Council (Senate)

The Twelfth Meeting of the Academic council was held on 29th August, 2018 at 10.00 a.m. in Seminar Hall III of the Convention Centre of B.S. Abdur Rahman Crescent Institute of Science & technology.

The following members attended the meeting:

1. Prof. Sahol Hamid Bin Abu Bakar, Vice Chancellor
2. Dr. A. Azad, Registrar
3. Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli
4. Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi
5. Mr. B. Suresh, MD & CEO, M/s. Mahindra Consulting Engineers Ltd., Chennai.
6. Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., Chennai
7. Dr. M.S. Haji Sheik Mohammed, Dean, Academic Affairs
8. Dr. I. Raja Mohamed, Dean, Academic Research
9. Maj. Gen. Gurdeep Singh Narang, Dean, Student Affairs
10. Dr. M. Munir Ahamed Rabbani, Controller of Examinations
11. Dr. N. Raja Hussain, Deputy Registrar, Administration
12. Dr. Vasanthi Padmanabhan, Dean (School of Infrastructure)
13. Dr. S. Rasool Mohideen, Dean (School of Mechanical Sciences)
14. Dr. S. Kaja Mohideen, Dean (School of Electrical & Communication Sciences)
15. Ar. G. Jayalakshmi, Dean (Crescent School of Architecture)
16. Dr. S. Kutti Rani, Dean (School of Physical and Chemical Sciences)
17. Dr. Ayub Khan Dawood, Dean (School of Social Science and Humanities)
18. Dr. P.S.Syed Masood Jamali, Dean (School of Islamic Studies)
19. Dr. S. Hemalatha, Dean (School of Life Sciences)
20. Dr.K.Nilamudeen, Dean (Crescent School of Law)
21. Dr. M. Vijaya Vara Prasad, Dean (Crescent School of Pharmacy)
22. Mr. V.N.A. Jalal, Sr. General Manager
23. Ms. Nikath M Hamza, Director, HR
24. Dr. Syed Mohamed Abdul Majeed, Director, Admissions
25. Dr. R. Raja Prabhu, Director, Accreditation & Ranking
26. Dr. S.K.G. Ganesh, Director, PG Admissions
27. Mr. K. Ganesh, Director, Placement and Training Cell
28. Dr. P. Sheik Abdul Khader, Director Data Centre
29. Mr. Parvez Alam, CEO, CIIC
30. Dr. Ashoke Ghosh, Head, Department of Aerospace Engineering
31. Dr. L.S. Rajaram, Head, Department of Automobile Engineering
32. Mr. Basanta Kumar Behera, Head, Department of Polymer Engineering

33. Dr. M. Shanmugam, Head, Department of Management Studies
34. Dr. M. Sandhya, Head, Department of Computer Science & Engineering
35. Dr. M. Kabeer, Head, Department of Information Technology
36. Dr. A. Jaya, Head, Department of Information Technology
37. Dr. C. Tharini, Head, Department of Electronics & Communication Engineering
38. Dr. Y. Mohamed Shuaib, Head, Department of Electrical and Electronics Engineering
39. Dr. P. K. Jawahar, Head, Department of Electronics & Instrumentation Engineering
40. Dr. S. Rajasekaran, Head, Department of Mathematics & Actuarial Science
41. Dr. M. Basheer Ahamed, Head, Department of Physics
42. Dr. Revathy Viswanathan, Head, Department of English
43. Dr. Afzalur Rahman, Head, Department of Commerce
44. Dr. R. Auvai, Director, Physical Education
45. Dr. J. Revathy, Professor, Department of Civil Engineering
46. Dr. P.N. Kadiresh, Professor, Dept. of Aerospace Engineering
47. Dr. A. S. Selvakumar, Professor, Department of Mechanical Engineering,
48. Dr. M. Subramanian, Professor, Dept. of Automobile Engineering
49. Dr. R. Jayashree, Professor, Department of Electrical & Electronics Engineering
50. Dr. B. Vijyalakshmi, Professor, Department of Electronics & Comm. Engg.
51. Dr. M. Mohamed Ismail, Professor, Department of Electronics & Communication Engineering
52. Dr. D. Najumnissa Jamal, Professor, Department of Electronics & Instrumentation Engineering
53. Dr. M. Sharmila Shankar, Professor, Department of Computer Science & Engineering
54. Dr. W. Aisha Banu, Professor, Department of Computer Science & Engg
55. Dr. Latha Tamilselvan, Professor, Department of Information Technology
56. Dr. Haider Yasmeen, Professor, Department of Management Studies
57. Dr. A. Shahin Sultana, Professor, Department of English
58. Dr. I. B. Shameem Banu, Professor, Department of Physics
59. Dr. N. Hajara Beevi, Professor, Department of Chemistry
60. Dr. S. Srinivasan, Professor, Department of Mathematics
61. Dr. P.S. Sehk Uduman, Professor, Dept. of Mathematics
62. Dr. D. Easwaramoorthy, Professor, Dept. of Chemistry
63. Dr. E. Syed Mohamed, Associate Professor, Department of Computer Science & Engineering
64. Dr. Karthikeyan Ramalingam Associate Professor, School of Life Sciences
65. Ms. P. Latchoumy, Assistant Professor (Sel. Gr.), Department of Information Technology
66. Mr. K. Javubar Sathick, Assistant Professor (Sr. Gr.), Department of Computer Applications

Leave of absence was granted to the following members as they have expressed their inability to attend the meeting due to their preoccupation.

1. Mr. Abdul Qadir A. Rahman Buhari, Pro Chancellor, BSACIST
2. Prof. Syed Mahdi Abbas Rizvi, Professor, Department of Mechanical Engineering, Aligarh Muslim University, Aligarh.
3. Prof. V. Ramachandran, Former Vice Chancellor, Anna University, Trichy
4. Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai
5. Mr. Sujit Jacob Tharakan, President, Alumni Association, B. S. Abdur Rahman University, Chennai – 600 048.
6. Mr. S. Shuja Ahamed, General Manager (FIP)
7. Dr. T. Harinarayan, Director (Centre for Energy, Sponsored Research & Consultancy)
8. Dr. Bikesh Chandra Chakraborty, Director, Polymer Nano Technology Centre
9. Dr. S. Prince Arockia Doss, Professor, Mechanical Engineering
10. Mr. T.R. Palaniappan, Professor Design Chair, Crescent School of Architecture
11. Ar. S. Vivekanandan, Professor, Crescent School of Architecture
12. Dr. P.V. Nagendra Sarma, Professor, Crescent School of Law
13. Ms. Shaheen Khan, Professor, Crescent School of Law

Welcome Address by the Vice-Chancellor

The Vice-Chancellor welcomed the external members Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli, Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi, Mr. B. Suresh, MD & CEO, M/s. Mahindra Consulting Engineers Ltd., Chennai, and Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., and all the other internal members of the 12th meeting of the Academic Council.

The Vice-Chancellor requested Dr. A.Azad, Registrar to present a brief report on the development and academic activities of the Institution between previous Academic Council meeting held on 18.01.2018 and 29.08.2018. The same was presented by Dr. A.Azad.

After discussion on the brief report, the agenda items were presented in the following order:

Item 12.1.1

To confirm the Minutes of the Eleventh meeting of the Academic Council held on 18th January 2018.

Note on Agenda

The Eleventh Meeting of the Academic Council was held on 18.01.2018 at 10.00 am in Seminar Hall-III. The minutes of the meeting was communicated to all the members and no comments were received.

The minutes of the meeting is enclosed in [Annexure 12.1.1](#)

The Academic Council may confirm the minutes.

Resolution:

As there were no comments received from the members, the minutes of the Eleventh Academic Council was confirmed.

Item 12.1.2

To consider the Action Taken Report of the Eleventh Academic Council Meeting Minutes.

Note on Agenda

The action taken report on the minutes of Eleventh meeting of Academic Council is enclosed in [Annexure 12.1.2](#)

The Academic Council may take note of the same.

Resolution:

After discussion the Action Taken Report of the Eleventh Academic Council was recorded.

Item 12.1.3

To consider and approve the revised Vision and Mission statement of the Institution.

Note on Agenda

B.S. Abdur Rahman Institute of Science and Technology was established in the year 2009 emphasizing mainly on Engineering programmes and accordingly Vision and Mission were coined. Over the years, the Institution broadens its wing by offering more engineering programmes in B.Tech. and M.Tech. level besides offering Ph.D. in Engineering and Science Streams. From the academic year 2017-18, the institute started offering programmes on Law, Pharmacy and Arts streams. This transformation necessitates revision of vision and mission of the Institution.

The revised Vision and Mission of the Institute are given in [Annexure 12.1.3](#).

The Academic Council may consider and approve the same.

Discussion:

- Prof. C. Thangamuthu suggested that vision statement shall be a generic statement and accommodate expansion of faculties and programmes expected in the future. He also suggested that instead of mentioning all the streams, the words **‘multi-disciplinary’**, **‘spiritual’** & **‘holistic’** may be included to show case the various dimensions of the educational Institution.
- Mr. B. Suresh suggested that all the stakeholders could be Involved for framing the Vision & Mission statements and shall be projected as one of the best practices of the institution before the statutory bodies.

Resolution:

The vision and mission statements have to be rephrased by considering the above suggestions.

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.

- Dr. Khurram Mustafa suggested to start new programmes with standard nomenclature and not to narrow down to different areas of specialization.

Resolution:

The council approved the start of above new programmes and also suggested to start few new programmes every year based on the trend and market demand.

Item 12.2.3

To consider and approve the introduction of diploma and certificate courses from September 2018.

Note on Agenda

B.S. Abdur Rahman Crescent Institute of Science & Technology signed an MOU with Madras flying Club Aviation Academy to conduct the following diploma courses to enhance the employability opportunities of students:

- Diploma in Assistant Flight Dispatcher
- Diploma in Cabin Crew management
- Diploma in Ground Handling

As a value added programme, the institute is also planning to offer Certificate course on “Student Pilot License” in association with Madras Flying Club, Chennai.

The introduction of the above courses including curriculum & syllabi were deliberated in the Board of Studies of the Department of Aeronautical Engineering and obtained endorsement.

The syllabi of the above courses are given in [Annexure 12.2.3.A](#), [Annexure 12.2.3.B](#), [Annexure 12.2.3.C](#)

The Academic Council may consider and approve starting of these courses from September 2018 session.

Discussion:

All the expert members welcomed the offering of certification courses in association with Madras flying club. Mr. B. Suresh suggested to confirm the legality involved in offering

these courses and issuing of certificates by the institution for more clarity and long time good.

Resolution:

After detailed discussion the above item was approved.

Item 12.2.4

To consider and ratify the extension of maximum period of study for one B.Tech. student.

Note on Agenda

The student D.Gowtham (RRN: 110041101011) was admitted in the year 2011 and should have completed the programme within a maximum period of seven years, which ended by July 2018. During the year 2015, he had 16 backlogs, of which he had cleared 7 papers in 3 years. To facilitate him to clear the pending nine papers, an extension of one year has been granted based on his request.

Discussion:

Prof C. Thangamuthu expressed that Vice Chancellor has the power to give approvals for extension of study and need not be brought in to academic council. This was endorsed by other members.

Resolution:

Vice Chancellor shall approve the request of extension of study by students based on recommendation from Dean, Academic Affairs

Item 12.2.5

To consider and approve the request for the extension of maximum period of study by B.Tech. Students.

Note on Agenda

The student Ganesh Babu.S (RRN: 110051102007) was admitted in the year 2012 as lateral entry and he should have completed the programme within a maximum

period of seven years, which ended by July 2018. He has one redo course and 9 arrear papers. To facilitate him to clear the pending ten papers, an extension of one year of study is recommended based on his request.

The student M. Sheik Sultan (RRN: 110041101047) was admitted in the year 2011 and he should have completed the programme within a maximum period of seven years, which ended by July 2018. He has 27 arrear papers. To facilitate him to clear the pending 27 papers, an extension of one year of study is recommended based on his request.

The student S.Thariq Aziz Khan (RRN: 110041101050) was admitted in the year 2011 and he should have completed the program within a maximum period of seven years, which ended by July 2018. He has 3 arrear papers. To facilitate him to clear the pending 3 papers, an extension of one year of study is recommended based on his request.

The Academic Council may consider and approve the above item.

Discussion:

Prof C. Thangamuthu expressed that Vice Chancellor has the power to give approvals for extension of study and need not be brought in to academic council. This was endorsed by other members.

Resolution:

Vice Chancellor shall approve the request of extension of study by students based on recommendation from Dean, Academic Affairs

Item 12.2.6

To consider and ratify the changes in syllabus of the course “Social Entrepreneurship” in the B.Tech. Regulations 2013 & 2017 for implementation from the academic year 2018-19.

Note on Agenda

The courses “Social Entrepreneurship” and “Leadership and CEO Training” was introduced in the curriculum of B.Tech. Regulations 2013 & 2017 from the academic year 2017-18.

As a part of strengthening entrepreneurial activities, BSACIST has signed an MOU with Wadhvani Foundation (WF-NEN) during June 2018. It was also decided to offer the course “Social Entrepreneurship” by following the syllabus of Wadhvani Foundation from the academic year 2018-19.

Accordingly seven faculty members were offered specialized training by Wadhvani Foundation for a period of 2 weeks at Bangalore during May – June 2018. The modified syllabus of Social Entrepreneurship course was deliberated in the BOS of Department of Management Studies and obtained their endorsement.

The revised syllabus of the course is given as [Annexure 12.2.6](#)

The Academic Council may consider and ratify the same.

Discussion:

Expert members appreciated the efforts by the Institution in promoting Entrepreneurship culture among the students. Mr. B. Suresh suggested to introduce a module on Family Business in the Entrepreneurial courses. It can also be added as an elective course in future.

Resolution:

After detailed discussion the above item was ratified.

Item 12.2.7

To consider and approve the inclusion of new elective course “Advanced Social Entrepreneurship” in the B.Tech. Regulations 2013 & 2017 for implementation from the academic year 2018-19.

Note on Agenda

The concept of offering the course 'Social Entrepreneurship' as per Wadhvani Foundation Syllabus is to identify and motivate the potential entrepreneurs from the student community. To further enhance their knowledge, a new elective course "Advanced Social Entrepreneurship" is introduced in the B.Tech. curriculum of Regulations 2013 & 2017. The syllabus for this course is also framed following the Wadhvani Foundation course contents. This was deliberated in the BoS of Department of Management studies and got recommendation for approval.

The syllabus of the course is given as [Annexure12.2.7.](#)

The council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 12.2.8

To consider and ratify the establishment of Crescent Innovation and Incubation Cell (CIIC).

Note on Agenda

The institution is giving more importance to Entrepreneurial activities reflected in the tag line of the institution "We Create Employers; Nurturing Leaderpreneurs".

In order to create an opportunity for the students, faculty members and potential people from the society to innovate new ideas into products and subsequently lead to start up companies, recently Crescent Incubation and Innovation Cell (CIIC) has been established.

CIIC is headed by Mr.Parvez Alam, CEO, an experienced person from industry. CIIC is also registered in Start-Up India Hub, Department of Industrial Promotion & Policy, Ministry of Commerce & Industry.

The Academic Council may consider and approve the item.

Discussion:

All the expert members appreciated the creation of CIIC for the benefit of students and faculty members. Mr. B. Suresh suggested that the faculty members who have completed their Ph.D. can be encouraged to incubate their ideas into process/products so as to emulate as start-ups. The CEO of CIIC was recommended to refer to the working model of other premier institutions such as IIT Bombay, IIT Madras, Cambridge and Stanford University in this regard.

Resolution:

After detailed discussion the above item was ratified.

Item 12.2.9

To consider and ratify the completion of online MOOC courses by students and subsequent credit transfer in the even semester 2017-18.

Note on Agenda

The Institution encourages students and faculty members to pursue MOOC courses viz SWAYAM, NPTEL etc. The B.Tech. R 2013 & 2017, M.Tech. MCA, M.Sc. R 2016 also facilitates the students to undergo online courses up to six credits and subsequent credit transfer.

In the even semester 2017-18, 146 students successfully completed 66 online courses. The following are the details of the students who have requested for credit transfer in the even semester 2017-18:

Sl. No.	Branch	RRN	Name of the Student	Course Completed through NPTEL	Grade
1	ECE	170843707001	Md.Wajid Khan (Research scholar)	Biomedical Signal Processing	C
2	Mech.	140021601125	Mohammed Affan. A.R.	Total Quality Management – 1	S
3	Mech.	140021601232	Ziegen Baig	Total Quality Management – 1	C
4	Mech.	140021601196	Sheik Mohammed Zubair	Total Quality Management – 1	S
5	CSE	140071601050	Nivedha. L	cloud computing	A
				Distributed systems	A

These contents of the courses and the grades awarded were also deliberated and endorsed in the respective Board of studies of the departments/Schools.

The Academic Council may consider and ratify the item.

Discussion:

Prof.C.Thangamuthu suggested that students shall be made available the details of online courses which are relevant to the courses offered in the particular semester. This will encourage the students to register for more MOOC courses and subsequently lead to increased number of students applying for transfer of credits.

Resolution:

After detailed discussion the above item was ratified.

Item 12.2.10

To consider and approve the fee for extension of maximum period of study.

Note on Agenda

Every year certain number of students request for extension of maximum period of study of the programme. These applications are considered and processed based on the genuineness and the feasibility of the students to complete the programme. The requests from students are approved through Academic Council.

At present these requests were processed without any fees. To create more awareness and seriousness among the students, it is proposed to charge a nominal amount of Rs.10,000/- as study extension fees.

The Academic Council may consider and approve the item.

Resolution:

After deliberations, the committee approved the above item and the amount of fees to be collected shall also be discussed in other statutory bodies for further endorsement.

Item 12.2.11

To consider and approve the Regulation 2018 of MBA Programme.

Note on Agenda

The MBA programme is offered in trimester pattern under Regulation 2016 up to academic year 2017-18. The decision of the Department of Management Studies to offer the MBA programme in semester pattern was deliberated in the Eleventh meeting of Academic Council and was endorsed to proceed further in this regard. Mean time it was also decided to revise the curriculum and syllabi MBA Programme as per model curriculum & syllabi proposed by AICTE. This necessitates MBA Regulations R 2018.

The MBA regulations 2018 is given in [Annexure 12.2.11](#).

This regulation is applicable for students admitted in MBA programme from Academic year 2018-19 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 12.2.12

To consider and approve the AQAR report for the academic year 2017-18.

Note on Agenda

The Institution was accredited with 'A' grade by National Assessment and Accreditation Council (NAAC) in May 2014. As per the NAAC guidelines, the Annual Quality Assurance Report has to be prepared, placed before a statutory body and communicated to NAAC.

The Annual Quality Assurance Report for the academic year 2017-18 is given in [Annexure 12.2.12](#).

The Academic Council may consider and approve the same.

Discussion:

Dean AA informed the salient features of the AQAR report of the academic year 2017-18.

Resolution:

After discussion the above item was approved.

Item 12.2.13

To consider and note the deliberations in Board of Studies of Engineering departments/Schools with respect to alignment of B.Tech. curriculum in line with AICTE model curriculum.

Note on Agenda

AICTE has framed a model curriculum for engineering programmes and advised the institutions to explore the possibility of implementing the same from the academic year 2018-19.

But it is to be noted that the curricula and syllabi of all the engineering programmes (except B.Tech. Biotechnology) were thoroughly revised in the year 2017. Moreover the AICTE Model Curriculum was disseminated to the Institutions during January 2018. It was also suggested that the given curricular framework is only a model and Institutions can explore implementing the same. Considering the above factors, it was decided to deliberate the model curriculum in the Board of Studies of Engineering Departments/Schools to facilitate implementation of the same in the academic year 2019-20. In this regard all the Engineering departments/ Schools deliberated the AICTE model curriculum and obtained suggestions from the expert members of their respective BoS for further improvement.

Moreover it is to be noted that some of the features of AICTE model curriculum viz. reduction of total credits, mandatory internship, facility to pursue online courses, etc. were already incorporated in the B.Tech. Regulations 2017(except Biotechnology).

The Academic Council may consider and note the same.

Discussion:

Dean AA explained the salient features of the AICTE model curriculum and the efforts initiated by the Institution to implement the same from the academic year 2019-20 in a full-fledged manner. He also mentioned that MBA curriculum and syllabus was already modified as per AICTE model curriculum for implementation from the academic year 2018-19.

Prof. C. Thangamuthu recommended following the model curricular framework of AICTE. He also said that necessary improvisation can be done by the institution on need basis.

Mr.B.Suresh suggested that a status report shall be communicated to AICTE in this regard.

Resolution:

After discussion the above item was noted.

Item 12.2.14

To consider and ratify the amendment of clause 11.3 in Regulations 2017 of law programmes.

As per the clause 11.3, a mid semester examination will be conducted as a part of internal assessment. But to make the teaching learning process more effective, it is proposed to conduct two assessment tests as a part of internal assessments.

The amendment to clause 11.3 is given in [Annexure 12.2.14](#).

The Academic Council may consider and approve the same.

Resolution:

After discussion the above item was approved.

Item 12.2.15

To consider and ratify the amendment to clause 2.2 and 3 in M.Tech / M.Sc / MCA Regulations 2016

Note on Agenda

To facilitate students to undergo PG programme in full time mode with more focus on research based projects, the clauses 2.2 of M.Tech / M.Sc / MCA Regulations 2016 is modified.

The amendment to clauses 2.2 is given in [Annexure 12.2.15](#).

The Academic Council may consider and approve the same.

Resolution:

After discussion the above item was ratified.

ITEMS MOVED BY CONTROLLER OF EXAMINATIONS

Item 12.3.1

To consider and note the evaluation procedure of supplementary examination permitted in the existing UG & PG regulations except MBA Regulations 2016.

Note on Agenda

The provision of supplementary examination is applicable for the final year students and students with less credit to make them eligible to obtain their degree / move to subsequent year as the case may be. Supplementary examinations are permitted for two courses and the students shall apply for the same within three weeks of declaration of result. This is applicable for all existing regulations except MBA.

For evaluation and result declaration, the supplementary examination shall be considered as one attempt (by following the existing norms applicable for arrear examination).

This shall be brought under reforms of examination manual of our Institute.

The Academic Council may consider and approve the same.

Discussion:

Prof. C. Thangamuthu suggested renaming Supplementary examination as Instant Examination. He also suggested that the supplementary examination can be evaluated for 100 marks and internal marks need not be considered. This exam may not be treated as an attempt of arrear examination.

Resolution:

The council recommended to conduct supplementary examination and to evaluate the answer scripts for 100 marks and grading shall be done based on the results of supplementary examination(without considering the internal marks) for implementation from the academic year 2018-19. This is valid for theory and laboratory courses.

ITEMS MOVED BY DIRECTOR, ADMISSIONS

Item 12.4.1

To consider and ratify the intake for the various programmes offered by the Institution for the academic year 2018-19.

Note on Agenda

Considering the student patronage, industry needs and market demands, the intake for certain programmes has been revised and presented here for ratification.

The revised sanctioned intake is given in the [Annexure 12.4.1](#).

The Academic Council may consider and ratify the same.

Discussion:

- Mr. B. Suresh suggested to improve the promotional strategy for the programmes that do not meet the sanctioned intake. He suggested the following strategies to further improve the visibility of the Institution
 - Road shows to be organized.

- Faculty members shall be encouraged to become a member of a government body/semi government / private organization of academic importance.
- An iconic project of national importance to be undertaken to reach out to the society.
- Institution shall offer JEE, GATE, NET, SLET coaching to the students.

Prof. C. Thangamuthu suggested to normalize the student sanctioned intake in various programmes for the next academic year 2019-20 before applying for AICTE approval based on demand and trend.

Resolution:

After discussion the above item was ratified.

ITEMS MOVED BY DEAN, ACADEMIC RESEARCH

Item 12.5.1

To consider and note the progress report of the office of Dean, Academic Research during the period January – July 2018.

Note on Agenda

The half yearly report exhibiting the salient activities pertaining to research such as conduct of promotional events, progression in academic research, etc. during the period January – July 2018 is detailed.

The academic research progress report is given in [Annexure 12.5.1](#).

The Academic Council may consider and take note of it.

Discussion:

The expert members commended the provision of allocating three research fellowships for each department and to consider this as a best practice followed by the institution.

Prof C.Thangamuthu suggested to explore the possibility of alumni sponsoring one fellowship per department.

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.

Item 12.8.1

To consider and approve the inclusion of Elective courses in B.Tech. Information Technology under Regulations 2013.

Note on Agenda

The syllabi of elective courses of VI, VII, VIII semesters were revised and new elective courses were added considering the latest technologies in the industry. These revisions were discussed in the Board of Studies of the Department of Information Technology and the board has recommended the same for approval.

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

The curriculum and the detailed syllabi are given in [Annexure 12.8.1](#).

The Academic Council may consider and approve the same.

Resolution:

After deliberation the above item was approved.

Item 12.8.2

To consider and approve the revision of curriculum and syllabi of B.Tech Information Technology under Regulations 2017.

Note on Agenda

The course 'ITC2105 Fundamentals of Digital Signal Processing' was removed from the third semester and a three credit course 'Signals and Systems' was introduced in the fourth semester. Also the fourth semester course 'ITC2211 Unix and Shell Programming' was merged with 'ITC2213 Operating System'.

Further the syllabi of V to VII semesters of B.Tech. Information Technology were thoroughly revised. The elective course ITCX102 Oracle Database Programming was added in the V semester and ITCX120 Mongo DB for Java Developers was added in VII semester.

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

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

The revised curriculum and the detailed syllabi are given in [Annexure 12.8.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 12.8.3

To consider and approve the syllabi of Professional Electives offered to B.Tech. Electrical and Electronics Engineering (Part Time) under R 2017.

Note on Agenda

The new Professional Elective course C++ Programming is offered by the Department of Information Technology for B.Tech. Electrical and Electronics Engineering (Part-time) in the fifth semester. These revisions were discussed in the Board of Studies of the Department of Information Technology and the board recommended the same for approval.

The revised syllabi of Professional Elective courses offered to B.Tech. Electrical and Electronics Engineering are given in **Annexure 12.8.3**.

The Academic Council may consider and approve the same.

Resolution:

After deliberation the above item was approved.

Item 12.8.4

To consider and approve the revision of syllabus of certification programme in iOS Application Development.

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 11th 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.

The curriculum and the detailed syllabi of the V to VII semesters and syllabi of programme electives are given in [Annexure 12.10.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 12.10.2

To consider and approve the revision of curriculum & syllabi of the Part-time B.Tech. Electrical and Electronics Engineering, Regulations 2017.

Note on Agenda

The syllabi of Part-time B.Tech. Electrical and Electronics Engineering were 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.

The curriculum and the detailed syllabi of the first four semesters and syllabi of programme electives are given in [Annexure 12.10.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 12.10.3

To consider and approve the inclusion of professional elective in B.Tech. Electrical and Electronics Engineering under Regulations 2013.

To meet the industry trends, the course **ECBX41 Modern Control Theory is included as elective course in the B.Tech. Regulations 2013.**

This revision will be implemented from the Academic Year 2018-19 onwards.

The detailed syllabus of the course is given in [Annexure 12.10.3](#).

Resolution:

After deliberation the above item was approved.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 12.11

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

Item 12.11.1

To consider and approve the revision of syllabi of the B.Tech. Electronics and Communication Engineering under Regulations 2017.

Note on Agenda

The syllabi of first four semesters were already approved in the 11th meeting of the Academic Council. The syllabi of V to VII semesters B.Tech. **Electronics and Communication Engineering** are 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 revisions are to be implemented from the Academic Year 2018-19 onwards.

The detailed syllabi of the V - VII semesters and syllabi of programme electives are given in [Annexure 12.11.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 12.11.2

To consider and approve the inclusion of professional elective in B.Tech. Electronics and Communication Engineering under Regulations 2013.

To meet the industry trends, the **course ECBX23 Software defined Radio is included as an elective course in the B.Tech. Regulations 2013.**

This revision will be implemented from the Academic Year 2018-19 onwards.

The detailed syllabus of the course is given in [Annexure 12.11.2](#).

Resolution:

After detailed discussion, the above item was approved.

Item 12.11.3

To consider and approve the inclusion of professional elective in M.Tech. (Communication Systems) and revision of professional elective syllabus of M.Tech. (VLSI and Embedded Systems) under Regulations 2013.

To meet the industry trends, the courses ECCY035 Chaotronics in M.Tech. (Communication Systems) is included in Regulations 2016 and the syllabus ECCY061 Testing of VLSI Circuits is revised in M.Tech (VLSI and Embedded Systems).

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

The detailed syllabi of the courses are given in [Annexure 12.11.3](#).

Resolution:

After deliberation the above item was approved.

Item 12.11.4

To consider and approve revised syllabus of core course ECC2208 Signals and Systems and inclusion of new elective ECCX70 Embedded System in VII semester to B.Tech. Information Technology under Regulations 2017.

The syllabus of the course ECC2208 Signals and Systems is revised and new elective is offered to VII Semester B.Tech. Information Technology. 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. This will be implemented from the Academic Year 2018-19 onwards.

The detailed syllabi of the courses are given in [Annexure 12.11.4.](#)

Resolution:

After detailed discussion, the above item was approved.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Item 12.12

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

Item 12.12.1

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

Note on Agenda

The syllabi of first four semesters were already approved in the 11th meeting of the Academic Council. The syllabi of V and VI semester and elective courses of B.Tech. Electronics and Instrumentation Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Electronics and Instrumentation Engineering and the board has recommended the same for approval.

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

The curriculum and the detailed syllabi of V and VI semesters and elective courses are given in [Annexure 12.12.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 12.12.2

To consider and approve the revision of syllabi and inclusion of professional elective in M.Tech. Electronics and Instrumentation Engineering under M.Tech. Regulations 2016.

To meet the industry trends, the syllabus of the course EIC6102 Piping and Instrumentation Layout is revised and new electives Advanced Analytical Instrumentation, Applied Biomedical Instrumentation, and one credit course on RTOS software are included as elective courses in the M.Tech. Electronics and Instrumentation Engineering in Regulations 2016.

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

The detailed syllabi of the courses are given in [Annexure 12.12.2](#).

Resolution:

After deliberation the above item was approved.

SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

Item 12.13

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

Item 12.13.1

To consider and approve the revised curriculum & syllabi of B.Tech. Civil Engineering under Regulations 2017.

Note on Agenda

The syllabi of first four semesters were already approved in the 11th meeting of the Academic Council. The syllabi of V and VI semester courses of B.Tech. Civil

Engineering were thoroughly revised. 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 2018-19 onwards.

The curriculum and the detailed syllabi of the fifth and sixth semesters are given in [Annexure 12.13.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After deliberation the above item was approved.

Item 12.13.2

To consider and approve the inclusion of additional elective courses in B.Tech. Civil Engineering under Regulations 2013.

To cater to the current industry needs, the courses Sustainable Water and Sanitation for Smart Cities and Smart Cities Planning and Development were included as three credit courses.

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

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

The detailed syllabi of the elective courses are given in [Annexure 12.13.2.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 12.13.3

To consider and approve the revised curriculum and syllabi of M.Tech. Construction Engineering and Project Management, Regulations 2016.

The syllabus of the course CECY230, Cost Estimation and Control was revised and courses CECY134 Transportation Modelling and Simulation, CECY135 Remote sensing and GIS in Transportation Development Modification, CECY232 Project Management for Smart Cities were included as elective courses.

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

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

The detailed syllabi of the elective courses are given in [Annexure 12.13.4](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

SCHOOL OF MECHANICAL SCIENCES

DEPARTMENT OF AEROSPACE ENGINEERING

Item 12.14

To consider and approve the recommendation of Board of Studies of the Department of Aerospace Engineering.

Item 12.14.1

To consider and approve the revised curriculum & syllabi of B.Tech. Aeronautical Engineering under Regulations 2017.

Note on Agenda

The syllabi of V and VI semesters B.Tech. Aerospace Engineering were thoroughly revised. The syllabi of few courses of III and IV semesters were also revised. The odd semester elective courses were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Aerospace Engineering and the board has recommended the same for approval.

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

The curriculum and the detailed syllabi of the first four semesters are given in [Annexure 12.14.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Item 12.15

To consider and approve the recommendation of Board of Studies of the Department of Automobile Engineering.

Item 12.15.1

To consider and approve the revised curriculum & syllabi of B.Tech., Automobile Engineering under Regulations 2017.

Note on Agenda

The curriculum of the B.Tech. Automobile Engineering under Regulations 2017 was revised. The curriculum and syllabi of all semesters (except first and second) were also thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Automobile Engineering and the board has recommended the same for approval.

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

The curriculum and the detailed syllabi are given in [Annexure 12.15.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF MECHANICAL ENGINEERING

Item 12.16

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

Item 12.16.1

To consider and approve the revised curriculum and syllabi of B.Tech. Mechanical Engineering under Regulations 2017.

Note on Agenda

The curriculum of the B.Tech. Mechanical Engineering under Regulations 2017 was revised. The syllabi of V to VII semesters of B.Tech. Mechanical Engineering were also thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Mechanical Engineering and the board has recommended the same for approval.

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

The curriculum and the detailed syllabi are given in [Annexure 12.16.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After deliberation the above item was approved.

Item 12.16.2

To consider and approve the revision in the syllabus of the course PTENC1281 Technical English for Part-time B.Tech (Mechanical Engineering) under Regulations 2017.

Note on Agenda

The revision of the syllabus of the course PTENC1281 Technical English for Part-time B.Tech (Mechanical Engineering) under Regulations 2017 was deliberated in the Board of Studies of the Department of Mechanical Engineering and the same was recommended for approval.

This revision is to be implemented from the Academic Year 2018-19 onwards.

The detailed syllabus is given in [Annexure 12.16.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF POLYMER ENGINEERING

Item 12.17

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

Item 12.17.1

To consider and approve the revised syllabi of B.Tech. Polymer Engineering under Regulations 2017.

Note on Agenda

The syllabi of first four semesters were already approved in the 11th meeting of the Academic Council. The syllabi of V - VII semesters B.Tech. Polymer Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Polymer Engineering and the board has recommended the same for approval.

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

The curriculum and the syllabi for the V, VI, and VII semesters are given in [Annexure 12.17.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF MANAGEMENT STUDIES

Item 12.18

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

Item 12.18.1

To consider and approve the curriculum and syllabi of MBA Programme under Regulations 2018 (Semester Pattern) framed based on the guidelines of AICTE model curriculum.

Note on Agenda:

The curriculum and syllabi of MBA programme in line with AICTE model curriculum were formulated and discussed in the Board of Studies of the Department of Management Studies. After deliberations the board has recommended the same for approval.

These revisions will be implemented from the Academic Year 2018-19.

The curriculum and syllabi for MBA (Semester pattern) are given in [Annexure 12.18.1.](#), [Annexure 12.18.1.A](#)

The Academic Council may consider and approve the same.

Resolution:

After deliberations the above item was approved.

SCHOOL OF LIFE SCIENCES

Item 12.19

To consider and approve the recommendations of the Board of Studies of the School of Life Sciences.

Item 12.19.1

To consider and approve the curriculum and syllabi of B.Tech. Biotechnology, Regulations 2017.

Note on Agenda

As part of major revision, the curriculum and syllabi of B.Tech. Biotechnology were thoroughly revised. These revisions were discussed in the Board of Studies of the School of Life Sciences and the board has recommended for approval.

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

The curriculum and the detailed syllabi of first two semesters are given in [Annexure 12.19.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

SCHOOL OF SOCIAL SCIENCE AND HUMANITIES

DEPARTMENT OF COMMERCE

Item 12.20

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

Item 12.20.1

To consider and approve the revised curricula and syllabi of B.Com. (General) and B.Com. (Accounts & Finance) under Regulations 2016.

Note on Agenda

The curricula and syllabi of the programmes B.Com. (General) and B.Com. (Accounts & Finance) under Regulations 2016 were revised and deliberated in the Board of Studies of the Department of Commerce and the board has recommended for approval.

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

The curricula and syllabi of B.Com. (General) and B.Com. (Accounts & Finance) programmes are given in [Annexure 12.20.1](#), [Annexure 12.20.1 A](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

SCHOOL OF ISLAMIC STUDIES

Item 12.21

To consider and approve the recommendations of the Board of Studies of the School of Islamic Studies.

Item 12.21.1

To consider and approve the revised curriculum and syllabi of B.A. Islamic Studies (Arabic Medium and English medium) under Regulations 2018.

Note on Agenda:

The curriculum and syllabi were revised thoroughly with an addition of eight elective courses. The syllabi of first and second semesters were already approved in the 10th meeting of the Academic Council. The syllabi of elective courses were discussed in the Board of Studies of the School of Islamic Studies and the board has recommended the approval.

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

The revised syllabi of elective courses of B.A. Islamic Studies (English and Arabic medium) are given in [Annexure 12.21.1.A](#), [Annexure 12.21.1.B](#)

The Academic Council may consider and approve the same.

Resolution:

After deliberations the above item was approved.

Item 12.21.2

To consider and approve the syllabi of two value-added courses.

Note on Agenda:

The syllabi of the value-added courses 'Arabic Typing in Computer and Arabic Composition', 'Communication and Presentation Skills' were discussed in the Board of Studies of the School of Islamic Studies and the board has recommended the approval.

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

The syllabi of the courses are given in [Annexure 12.21.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF ENGLISH

Item 12.22

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

Item 12.22.1

To consider and approve the syllabi of English courses offered to various B.Tech. programmes.

Note on Agenda:

The syllabi of the following courses which are offered to various B.Tech. programmes, are revised and discussed in the Board of Studies of the Department of English and the board has recommended for approval.

ENC3181 Communication and Soft Skills - Career Choice

ENC3281 Communication and Soft Skills - Confidence Building

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

The syllabi of the courses are given in [Annexure 12.22.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF PHYSICS

Item 12.23

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

Item 12.23.1

To consider and approve the revised syllabus of the course Physics PHC1182 for B.Tech. Regulations 2017.

Note on Agenda:

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

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

The syllabus of the course is given in [Annexure 12.23.1](#).

The Academic Council may consider and approve the same.

Resolution:

After deliberations the above item was approved.

Item 12.23.2

To consider and approve the inclusion of new elective course PHCY109 Density Functional Theory in the M.Sc. Regulations 2016.

Note on Agenda:

The course PHCY109 was recommended by the Doctoral Committees of various research scholars of the Department of Physics.

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

The syllabi for the above courses are given in [Annexure 12.23.2](#).

The Academic Council may consider and ratify the same.

Resolution:

After detailed discussion the above item was approved.

SCHOOL OF LAW

Item 12.24

To consider and approve the recommendations of the Board of Studies of the School of law.

Item 12.24.1

To consider and approve the revised syllabi of the III and IV semesters of BBA LL.B and B.Com. LL.B Regulations 2017.

Note on Agenda:

The syllabi of courses in III and IV semesters were thoroughly revised. These revisions were discussed in the Board of Studies of the School of Law and the board has recommended for approval.

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

The syllabi of the courses are given in [Annexure 12.24.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF MATHEMATICS

Item 12.25

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

Item 12.25.1

To consider and approve the syllabi of Mathematics courses offered to B.Tech, Biotechnology in the first semester.

Note on Agenda:

The syllabus of the course MAC 1182 Mathematics for Biotechnology and MAC 1282 Biostatistics was discussed in the Board of Studies of the Department of Mathematics and the board has recommended the same for approval.

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

The syllabi of the courses are given in [Annexure 12.25.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

The following are the salient points mentioned by the expert members :

Prof. C. Thangamuthu

- Vision statement should be prepared generally, as a cushion statement that could absorb expansion of faculties and programmes in the future.
- Instead of mentioning all the streams, the word '**multi-disciplinary**', '**spiritual**' & '**holistic**' could be used.
- Involving stakeholders for framing the Vision & Mission statements could be projected as one of the best practices of the institution in NAAC.

- Faculties / Schools should start keeping in mind futuristic programmes. Pharmacy could be brought under Faculty of Medical Sciences, which could help in expansion of other programmes such as dental, paramedical, nursing, etc. in future.
- Duplicating programmes 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 getting placement.
- All departments in a University must be PG & research department. UG courses may or may not be offered.
- Alumni can be asked to sponsor for at least one Fellowship offered to research scholars in their respective department / school.
- Actual & sanctioned intake can be formalized as it needs to be mentioned in the NAAC & UGC documents.
- A few programmes in the institution should be inter-disciplinary and research projects too should have multi-pronged approach.

Dr. Khurram Mustafa

- Achievements of the Institution can be displayed as infographics for the public to understand better.
- The Vision & Mission statements could be open or could be written focusing on targets to achieve.
- Number of seats should be fixed for programmes that are offered based on specializations.
- In any educational institution, teaching should be the primary focus and others are only supportive activities.
- Funds from government can be obtained for societal activities.
- Corporates too have CSR activities, hence those industries with which MoUs are signed can be approached for funding for such activities.

Mr. B. Suresh

- The achievements of the institution such as Guinness Record for forming “Recycle Logo” should be prominently displayed in the website.
- Brainstorming among stakeholders could be held for revising Vision & Mission statements.
- A contest can be held among the students for drafting Vision and Mission, projecting the values of the institution.
- Programmes in Agriculture should be novel and include futuristic techniques - B.Sc. programmes or as specializations, such as Herbal Farming, Hydroponics, Cash Crop, Green House Cultivation, Digital Farming, etc.
- Agriculture combined with engineering & technology can work well (as in Netherlands).
- In case where admissions do not meet the sanctioned intake, promotional strategies should be improved. Road shows should be organized.
- The faculty members who have completed their Ph.D. can be asked to incubate their process/product.
- Faculty members must be a member of a government body – this could increase the visibility of the institution.
- Iconic projects should be undertaken to reach out to the society.
- JEE coaching can also improve visibility of the institution.
- Government is sponsoring for projects in flood-devastated Kerala, and the institution can join hands with Kerala government.
- Electrification through solar energy of a remote village can be carried out.

Mr. Siva Sankara Prasad Thupalli

- Vision & Mission statements are highly valued objective of the institution, hence should be prepared to reflect such ideas.
- Agricultural programmes should be about technology driven agricultural farming.

- A meeting should be arranged twice in a year with the institutions and industries with whom MoUs are signed to find opportunities for internships, joint research projects and consultancy.

Vote of thanks by Registrar

The Registrar expressed that the suggestions given by the external members would be considered for implementation in due course of time.

The Registrar thanked all the members of the Academic Council for their sincere participation and valuable suggestions.



Dr. A. Azad
Registrar



Prof. Sahol Hamid Bin Abu Bakar
Vice Chancellor

B.S. ABDUR RAHMAN
CRESCENT UNIVERSITY

B.S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE & TECHNOLOGY
ESTABLISHED UNDER SECTION 3 OF THE UGC ACT. 1956

Seethakathi Estate, GST Road, Chennai - 600 048 Tamilnadu, India. (Near Zoological Park)



**Minutes of the Tenth Meeting of the
Academic Council (Senate)
B.S. Abdur Rahman University, Convention Centre
July 25, 2017**

B.S. Abdur Rahman University, Vandalur, Chennai – 600 048.

Minutes of the Tenth Meeting of the Academic Council (Senate)

The Tenth Meeting of the Academic council was held on 25th July, 2017 at 10.00 a.m. in Seminar Hall III of the Convention Centre of B.S. Abdur Rahman University.

The following members attended the meeting:

1. Prof. Sahol Hamid Bin Abu Bakar, Vice Chancellor
2. Dr. V. Murugesan, Registrar
3. Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli
4. Prof. V. Ramachandran, Former Vice Chancellor, Anna University, Trichy
5. Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi
6. Mr. B. Suresh, President & CEO, M/s. Mahindra Consulting Engineers Ltd., Chennai.
7. Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., Chennai
8. Dr. M.S. Haji Sheik Mohammed, Dean, Academic Affairs
9. Ms. Nikath M Hamza, Director HR
10. Mr. S. Shuja Ahamed, General Manager (FIP)
11. Dr. I. Raja Mohamed, Dean, Academic Research
12. Dr. P. K. Jawahar, Dean, Student Affairs- Male
13. Dr. A. Jaya, Dean, Student Affairs – Female & Head, Computer Applications
14. Dr. M. Munir Ahamed Rabbani, Controller of Examinations
15. Dr. Syed Mohamed Abdul Majeed, Director, Admissions
16. Dr. S.K.G. Ganesh, Director, PG Admissions
17. Dr. R. Vasanthakumari, Director, Polymer Nano Technology Centre
18. Dr. D. Easwaramoorthy, Director, Sponsored Research & Consultancy
19. Dr. R. Raja Prabhu, Director, Accreditation, Ranking and International Affairs
20. Mr.S. Mohamed Tajudeen, Director, Placement and Training Cell
21. Dr. Vasanthi Padmanabhan, Dean (School of Infrastructure)
22. Dr. S. Rasool Mohideen, Dean (School of Mechanical Sciences)
23. Dr. S. Kaja Mohideen, Dean (School of Electrical & Communication Sciences)
24. Dr. P. Sheik Abdul Khader, Dean (School of Computer Information & Mathematical Sciences) & Director Data Centre
25. Ar. G. Jayalakshmi, Dean (Crescent School of Architecture)
26. Dr. P.S.Syed Masood Jamali, Dean (School of Islamic Studies)
27. Dr. S. Hemalatha, Dean (School of Life Sciences)

28. Dr. M. Vijaya Vara Prasad, Dean (Crescent School of Pharmacy)
29. Dr.P.V. Nagendra Sarma, Dean (Crescent School of Law)
30. Dr. S. Kutti Rani, Dean (School of Physical and Chemical Sciences)
31. Dr. P.S. Sheik Uduman, Dean (School of Social Science and Humanities)
32. Dr. P. N. Kadhiresh, Head, Department of Aerospace Engineering
33. Dr. M. Subramanian, Head, Department of Automobile Engineering
34. Mr. Basanta Kumar Behera, Head, Department of Polymer Engineering
35. Dr. Haider Yasmeen, Head, Department of Management Studies
36. Dr. K. N. Srinivas, Head, Department of Electrical and Electronics Engineering
37. Dr. C. Tharini, Head, Department of Electronics & Communication Engineering
38. Dr. U. Sabura Banu, Head, Department of Electronics & Instrumentation Engineering
39. Dr. M. Kabeer, Head, Department of Information Technology
40. Dr. S. Rajasekaran, Head, Department of Mathematics & Actuarial Science
41. Mr. S. Pakkir Mohideen, Head, Department of Physics
42. Dr. I. Mohamed Bilal, Head, Department of Chemistry
43. Dr. Revathy Viswanathan, Head, Department of English
44. Dr. Afzalur Rahman, Head, Department of Commerce
45. Dr. R. Rajendran, Professor, Department of Mechanical Engineering,
46. Dr. A. S. Selvakumar, Professor, Department of Mechanical Engineering,
47. Dr. E. Rasul Mohideen, Professor, Department of Civil Engineering
48. Dr. J. Revathy, Professor, Department of Civil Engineering
49. Dr. A. Shahin Sultana, Professor, Department of English
50. Dr. I. B. Shameem Banu, Professor, Department of Physics
51. Dr. M. Basheer Ahamed, Professor, Department of Physics
52. Dr. N. Hajara Beevi, Professor, Department of Chemistry
53. Dr. R. Jayashree, Professor, Department of Electrical & Electronics Engineering
54. Dr. B. Vijyalakshmi, Professor, Department of Electronics & Comm. Engg.
55. Dr. M. Mohamed Ismail, Professor, Department of Electronics & Communication Engineering
56. Dr. D. Najumnissa Jamal, Professor, Department of Electronics & Instrumentation Engineering
57. Dr. Angelina Geetha, Professor, Department of Computer Science & Engineering
58. Dr. R. Shriram, Professor, Department of Computer Science & Engineering
59. Dr. W. Aisha Banu, Professor, Department of Computer Science & Engg.
60. Dr. M. Sandhya, Professor, Department of Computer Science & Engineering
61. Dr. Latha Tamilselvan, Professor, Department of Information Technology
62. Dr. S. Srinivasan, Professor, Department of Mathematics
63. Dr. E. Syed Mohamed, Associate Professor, Department of Computer Science & Engineering
64. Dr. Karthikeyan Ramalingam Associate Professor, School of Life Sciences
65. Ms. P. Latchoumy, Assistant Professor (Sel. Gr.), Department of Information Technology

66. Mr. K. Javubar Sathick, Assistant Professor (Sr. Gr.), Department of Computer Applications

Leave of absence was granted to the following members as they have expressed their inability to attend the meeting due to their preoccupation.

1. Mr. Abdul Qadir A. Rahman Buhari, Chairman, Board of Management
2. Prof. Syed Mahdi Abbas Rizvi, Professor, Department of Mechanical Engineering, Aligarh Muslim University, Aligarh.
3. Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai
4. Ms. Deepa Kapoor, Director, Crescent Business School
5. Mr. Sujit Jacob Tharakan, President, Alumni Association, B. S. Abdur Rahman University, Chennai – 600 048.

Welcome Address by the Vice-Chancellor

Vice-Chancellor welcomed the external members Prof. C. Thangamuthu, Former Vice Chancellor, Bharathidasan University, Thiruchirappalli, Prof. V. Ramachandran, Former Vice Chancellor, Anna University, Trichy, Dr. Khurram Mustafa, Professor, Dept. of Computer Science, Jamia Millia Islamia, New Delhi, Mr. B. Suresh, President & CEO, M/s. Mahindra Consulting Engineers Ltd., Chennai, and Mr. Siva Sankara Prasad Thupalli, President & CEO, M/s. Jasmin Infotech Pvt. Ltd., and all the other internal members of the 10th academic council.

Vice-Chancellor requested Dr. V. Murugesan, Registrar to present a brief report on the development and academic activities of the University between previous Academic Council meeting held on 29.07.2016 and 24.07.2017. The same was presented by Dr. V. Murugesan, Registrar.

After discussion on the brief report, the agenda items were presented in the following order:

Item 10.1

To confirm the Minutes of the Ninth meeting of the Academic Council held on 29th July 2016.

Note on Agenda

The Ninth Meeting of the Academic Council was held on 29.07.2016 at 10.00 am in Seminar Hall-III. The minutes of the meeting was communicated to all members and no comments were received.

The minutes of the meeting is enclosed in [Annexure 10.1](#).

The Academic Council may confirm the minutes.

Resolution :

As there were no comments received from the members, the minutes of the Ninth Academic Council was confirmed.

Item 10.2

To consider the Action Taken Report on the above Minutes.

Note on Agenda

The action taken report on the minutes of Ninth meeting of Academic Council is enclosed in [Annexure 10.2](#).

The Academic Council may take note of the same.

Resolution:

After discussion, the Action Taken Report of the Ninth Academic Council was recorded.

Item 10.3

To consider and approve the introduction of new Schools and Departments.

Note on Agenda

Ever since the formation of deemed to be university in 2009, there were Engineering Schools and Departments along with some Science and Humanities departments. The Board of Management (BoM) in its meeting held on 21.12.2016, decided to expand the scope of the university and make it a full-fledged university by starting new schools and department. After detailed discussion by the members of BoM, it was decided to create the following Schools/ Departments in the University to offer new programmes:

1. **Crescent School of Law**
2. **Crescent School of Pharmacy**
3. **Department of Commerce**

The academic council may consider and approve the same.

Resolution:

The council approved the creation of new schools / departments to expand the scope of the university.

Item 10.4

To consider and approve the introduction of new programmes in the schools / departments.

Note on Agenda

After careful study of market survey in the various specializations of UG Programmes and also based on the demand & supply in the relevant industry, the following new programmes are introduced in our University from the academic year 2017–18 with approval from statutory bodies:

1. **B.Pharm**
2. **B.Com. LLB (Hons.)**
3. **BBA LLB (Hons.)**
4. **B.Des (Interior Architecture)**
5. **BBA (Financial Services)**
6. **B.Com (General)**
7. **B.Com (Accounts & Finance)**
8. **B.Sc. Bio Technology**
9. **B.C.A (Big Data Analytics)**

The academic council may consider and approve the same.

Resolution:

Dr. Khurram Mustafa and Prof. V. Ramachandran suggested to offer BCA programme in the general stream instead of BCA with different specialization so that to facilitate

students with more opportunity to pursue higher studies. The Council noted the suggestion for possible implementation in the future.

After detailed discussions, the council approved the above item.

Item 10.5

To consider and approve the change of name of “School of Islamic Studies” to “School of Arabic and Islamic Studies”.

Note on Agenda

The School of Islamic Studies is offering B.A Islamic studies in Arabic medium. Hence the appropriate name of the school shall be “School of Arabic and Islamic Studies”.

This name change was deliberated in the meetings conducted by School of Islamic Studies and recommended for change of name.

This will come into effect from the Academic year 2017–18.

The Academic Council may consider and approve the same.

Resolution:

Since school of Islamic studies is offering certificate courses and diploma courses in Arabic language, after detailed discussions the council approved the above item.

Items moved by the Dean Academic Affairs

Approvals and Ratifications

Item 10.6

To consider and approve/ ratify the regulations of UG Programmes & PG Programmes

Item 10.6.1

To consider and approve the revised B.Tech. Regulations 2017.

Note on Agenda

The regulations of four year B.Tech. Programme of the University was formulated in the year 2009 and revised the same in the year 2013. Now a major revision is being carried out in the B.Tech. Regulations incorporating new and additional clauses. The curricular framework was also thoroughly revised based on the input from industry, academia and alumni. The new curriculum framework provides scope for enhancement of technical knowledge, skill set and employability of graduates.

Some of the salient features of the Regulations 2017 are:

- Provision for 1 or 2 credit courses in the curriculum which are immediate need of the industry.
- Introduction of Laboratory-integrated Theory courses
- Provision for course delivery by international faculty or industry expert, which can be a 1 credit or 2 credit elective courses.
- Practical training and internship in Industry / R&D Organizations / University-recognized Institutions is made mandatory for all B.Tech. Programmes in the curriculum in order to provide required skill and increase the employability of students.
- To encourage students to carry out projects in the industry, VIII semester is allotted exclusively for project work. The credit for the project work is increased to 12 from the existing 9 credits.
- The curriculum framework is designed in line with ABET requirements: Basic Science and Mathematics (34 Credits) -18%, Programme core (69 Credits) - 40% and Electives (64 Credits) - 37%.
- Since design is the back bone of all engineering program, a course on “General Engineering Design” is offered to all branches of study.
- To make the graduates as employers, “Social Entrepreneurship” and “Leadership and CEO Training” are introduced as core courses in the curriculum.
- Students are provided opportunity to study online courses under SWAYAM portal as per guidelines of UGC.

(Note: The revised Regulations 2017 is applicable to all the B.Tech. Programmes except B.Tech. Bio Technology)

The B. Tech. Regulations 2017 is enclosed in [Annexure 10.6.1.](#)

This will come in to effect from the Academic year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

Prof. C. Thangamuthu suggested that all the schools / departments can offer more general electives to facilitate the students to pursue courses across the discipline. The council noted his suggestion for possible implementation in the future.

After detailed discussion, the above item was approved by the members.

Item 10.6.2

To consider and approve the B.Des, Regulations 2017.

Note on Agenda

The programme B.Des. (Interior Architecture) is a 4-year programme, and hence a separate Regulations 2017 is framed.

Some of the salient features of the B.Des. Regulations 2017 are as follows:

- Every semester curriculum shall normally have a blend of theory, theory cum studio and studio courses.
- A pass in the studio-course in a particular semester is mandatory to move to the alternate higher semester.
- Every student shall undergo practical training in the VII Semester in a reputed Design Firm / Architect in practice for more than 5 years with approval from the Dean.

The Regulations 2017 for B. Des. (Interior Architecture) is enclosed in [Annexure 10.6.2.](#)

This will come in to effect from the Academic year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

Mr. B. Suresh suggested to offer Part Time Diploma course in Interior design for the benefit of practicing civil engineers and architects. He also suggested to offer a course on Islamic Architecture in B.Des, (Interior Architecture) programme. The council noted his suggestions for possible implementation in the future.

After detailed discussion, the above item was approved by the members.

Item 10.6.3

To consider and approve the B.Pharm., Regulations 2017.

Note on Agenda

The Regulations for 4-year B.Pharm programme is being implemented as framed by the Pharmacy Council of India, New Delhi. This shall be called as “The Revised Regulations for the B. Pharm. Degree Program (CBCS) of the Pharmacy Council of India, New Delhi”. According to the Pharmacy Council, these regulations shall be implemented from the Academic year 2016-17 and will be revised by the Pharmacy Council of India from time to time.

Some of the salient features of the B.Pharm. regulations are as follows:

- A minimum of 80% attendance is required in individual courses, both theory and practical.
- Marks are allotted for attendance in each course, with 4 marks for theory courses and 2 marks for practical courses.
- Every student shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital in 8th semester.
- A student shall have the opportunity to improve his/her performance only once in the Sessional exam component of the internal assessment.
- Reexamination of end semester examination shall be conducted as per the schedule given by the Council of Pharmacy.

The Regulations 2017 for B.Pharm. is enclosed in [Annexure 10.6.3](#).

This will come in to effect from the Academic year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

Prof. C. Thangamuthu suggested that the university can make changes in the curriculum and syllabi of B.Pharm within the framework guidelines of Pharmacy Council of India. The school can offer courses on Indian medicine in addition to the courses suggested by the pharmacy council of India.

Dr. Khurram Mustafa suggested that minimum requirement of 80% attendance in the B.Pharm. regulations can be reduced further to offer flexibility to the students.

After detailed discussion the above item was approved.

Item 10.6.4

To consider and approve B.Com. LLB (Hons.) and BBA LLB (Hons.), Regulations 2017

Note on Agenda

The Regulations for the Law programmes are framed by adopting the guidelines given by the Bar Council of India. Some of the salient features of the regulations are as follows:

- Course work is divided into 10 semesters.
- The written examination for theory courses will be conducted for 80 marks.
- Internal assessment has four components – Attendance, Assignments, Class test and Viva with 5 marks each. Students should qualify in all the components
- All students shall enroll, on admission, in any of the personality and character development programmes, NCC / NSS / NSO / YRC / Rotaract and undergo practical training.

The Regulations 2017 for B.Com LLB (Hons.) and BBA LLB.(Hons.) is enclosed in [Annexure 10.6.4.](#)

This will come in to effect from the Academic year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

Mr.B.Suresh suggested that Crescent School of law can offer law oriented elective courses for different disciplines of engineering to cater their need. The council noted his suggestions for possible implementation in the future.

After detailed discussion the above item was approved.

Item 10.6.5

To consider and ratify the Regulations 2016 for 3 year UG programmes (B.Com/BBA/BCA/B.Sc)

Note on Agenda

The Regulations for 3-year UG Programmes were framed in the year 2016 and implemented from the Academic Year 2016-17 for BCA and B.Sc. Computer Science programmes. The same Regulations 2016 shall be adopted for other 3-year UG programmes viz. B.Com, BBA and B.Sc. Biotechnology.

The Regulations 2016 for B.Com/BBA/BCA/B.Sc is enclosed in [Annexure 10.6.5](#).

The Academic Council may consider and ratify the same.

Resolution:

After detailed discussion the above item was ratified.

Item 10.6.6

To consider and approve B.A. Islamic Studies, Regulations 2017.

Note on Agenda

The regulations of three year B.A. Islamic Studies of the University was framed in the year 2009 and revised the same in the year 2013. Now a major revision is being carried out in the B.A. Regulations incorporating new and additional clauses. The curricular framework was also thoroughly revised based on the input from academia and alumni.

The Regulations 2017 for B.A. Islamic Studies is enclosed in [Annexure 10.6.6](#).

This will come in to effect from the Academic year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 10.6.7

To consider and approve M.A. Islamic Studies, Regulations 2017.

Note on Agenda

The Regulations for M.A. Islamic Studies was framed in the year 2012. But the programme was offered from the academic year 2016-17. Hence a major revision of M.A. regulations incorporating new and additional clauses was carried out.

The Regulations 2017 for M.A. Islamic Studies is enclosed in [Annexure 10.6.7](#).

This will come in to effect from the Academic year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the council approved the **M.A. Islamic Studies, Regulations 2017.**

Item 10.6.8

To consider and ratify the amendments in M.A. Islamic Studies Regulations 2012.

Note on Agenda

The regulation 2012 permits M.A. Islamic Studies to be offered in the Full Time, and Part-time mode. Now M.A Islamic Studies is offered as Full-time evening programme. Therefore, the provision of conducting the 'part-time' programme in the evening becomes redundant. This is brought into effect from August 2016.

The modified clause is enclosed in [Annexure 10.6.8](#).

The Academic Council may consider and ratify the same.

Resolution:

The above item was ratified by the Academic Council.

Item 10.7

To consider and approve the amendment in the B.Tech. Regulations 2013 & M.Tech. / M.Sc./ MCA, Regulations 2016.

Item 10.7.1

To consider and approve the amendment in clauses 13 and 14.

Note on agenda

In the amended clause 13.1 of B.Tech. Regulations, 2013 (updated up to Jan. 2017), students should undergo three continuous assessment tests, of which best two shall be considered for computing internal marks (50% weightage) and Semester End Examination will carry 50% weightage. Because of this provision, substitute examination for continuous assessment test and semester end examination was withdrawn.

Conducting three continuous assessment tests during the semester led to practical academic difficulties in terms of question paper setting, internal auditing, and valuation etc., Sometimes it is practically not possible to maintain the minimum working days in between the continuous assessment tests.

It is now proposed to have two continuous assessment tests with 25% weightage each and Semester End Examination with 50% weightage.

As only two continuous assessment tests are proposed, provision for Substitute Examination for continuous assessment tests is reinstated. However, there is no Substitute Examination for Semester End Examination.

The clause 13.1 and 14.1 of B.Tech Regulations 2013 and amendment to the clause 13.1 and 14.1 are given in [Annexure 10.7.1](#)

This will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 10.7.2

To consider and approve the modification in the clause 16 of B.Tech., Regulations 2013 and Clause 12 of M.Tech./M.Sc./MCA, Regulations 2016.

Note on Agenda

The summer term courses were offered to provide opportunity for the final year students to graduate and those students with less credits to earn the required minimum credits to move to higher semester. The students can register for a maximum of 3 courses. It was observed that the faculty members were loaded with teaching even during their vacation to conduct summer redo courses which hampered their research work and time spent with the family.

Hence, it is proposed to offer the redo courses in the evening after regular class hours. The students shall be permitted to register up to a maximum of two courses.

The clause 16 of B.Tech Regulations 2013 and modified clause 16 is given in Annexure **10.7.2**

The clause 12 of M.Tech./M.Sc/MCA regulations 2016 and the modified clause 12 is given in [Annexure 10.7.2](#).

This will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

Prof.V.Ramachandran enquired that whether the students who have already passed the courses are permitted to re-register again for improvement in marks. It was confirmed that redoing of courses is permitted for I grade / U grade students only.

After detailed discussion the above item was approved.

Item 10.7.3

To consider and approve a new clause in the B.Tech. Regulations, 2013.

Note on Agenda

To provide an opportunity for the final year students to graduate and those students who require credits to move to higher semester, it is proposed to conduct

supplementary examination after the semester End examinations during May – June of every calendar year. This was deliberated in the meeting of HOD's and academic affairs meeting and recommended for implementation.

The new sub clause of 14.3 is given in the [Annexure 10.7.3](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

Item 10.7.4

To consider and approve the amendment in clause 13.7 of the B.Tech. under Regulations 2013.

Note on Agenda

To provide an opportunity for the students having less internal marks to complete the course, it is proposed to consider the internal marks for only one regular appearance and one arrear appearance in the semester end examination. After these two appearances, the internal marks shall not be considered and full weightage shall be assigned to the marks scored in the semester end examinations. However for the passed out students, appearing for arrear examinations, internal marks shall not be considered.

The amendment to the clause is given in the [Annexure 10.7.4](#).

This will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Item 10.7.5

To consider and approve the new clause in B.Tech., Regulations 2013 and M.Tech/ M.Sc / MCA., Regulations 2016.

Note on Agenda

As per the guidelines of UGC, students are permitted to register Online / self study courses available in the “SWAYAM Portal” of UGC (OR) equivalent. This was deliberated in the meeting of HODs and Dean (AA) and recommended for implementation.

The new clause 18.3, amendment to B.Tech Regulations 2013 is given in the [Annexure 10.7.5](#)

The new clause 13.6, amendment to M.Tech / M.Sc / MCA, Regulations, 2016 is given in the [Annexure 10.7.5.1](#)

This will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 10.7.6

To consider and approve the amendments in M.Tech Regulations 2016/ M.Sc. Regulations 2016.

Note on Agenda

As per the guidelines of UGC, the course on Research Methodology has to be offered as 4 credit course for Ph.D Scholars. Hence it is also decided to offer Research Methodology for M.Tech / M.Sc. students as 4 credit course so that PG students shall be benefitted by learning the advanced topics in research methodology.

These changes were discussed in the respective Board of Studies of various Schools/Departments and recommended for implementation.

The revised syllabi are attached in the [Annexure 10.7.6](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 10.8

To consider and approve the Annual Quality Assurance Report (AQAR) of the IQAC.

Note on Agenda

The University was accredited with 'A' grade by National Assessment and Accreditation Council (NAAC) in May 2014. As per the NAAC guidelines, the Annual Quality Assurance Report has to be prepared and communicated to NAAC.

The Annual Quality Assurance Report for the academic year 2016-17 is given in [Annexure 10.8](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 10.9

To consider and ratify the fixed timetable.

Note on Agenda

The free slots in the slotted time table were not effectively managed by most of the students for academic/ curricular/ co-curricular activities. For the effective utilization of class hours by the students and to enhance teaching learning process, the fixed time table is recommended for implementation.

The fixed time table is given in [Annexure 10.9](#).

The time table is in effect from 17th July 2017 onwards.

The Academic Council may consider and ratify the same.

Resolution:

Prof.V. Ramachandran suggested to provide slots / periods for online courses to motivate the students to register for the same. The council noted his suggestion for possible implementation in the future.

After a brief discussion the above item was ratified by the Academic council.

Item 10.10

To consider and ratify the sanctioned intake for the various programs offered by the University.

Note on Agenda

The sanctioned intake for the various programs of the University for Admission in the Academic year 2017-18 was deliberated in the various academic meetings and accordingly recommended to the Board of Management which was held on 21.12.2016. Based on the approval from Board of Management, admissions to various programs are being carried out.

The sanctioned intakes for various programs are given in [Annexure 10.10](#).

This was implemented in the admission for the year 2017-18.

The Academic Council may consider and ratify the same.

Resolution:

After a brief discussion the above item was ratified by the Academic council.

Item 10.11

To consider and ratify the inclusion of courses “Social Entrepreneurship” and “Leadership and CEO training” in B.Tech. Regulations, 2013

Note on Agenda

- To enhance the leadership qualities of the students and to mould the students as entrepreneurs, the courses “Social Entrepreneurship” and “Leadership & CEO Training” are to be offered to students studying under Regulations 2013.
- The course ‘Leadership and CEO Training’ will be offered instead of “MSB3181 Management of Business Organisation”. The course ‘Social Entrepreneurship’ will be offered in place of the General Elective-I. This is applicable for the students admitted in the year 2015 and 2016 under B.Tech. Regulations 2013.
- The course ‘Social Entrepreneurship’ and ‘Leadership and CEO Training’ will be offered in place of the General Elective-I & II for the students admitted in the year 2014 under B.Tech. Regulations 2013.

The syllabi for these two courses are given in [Annexure 10.11](#).

This was implemented from June 2017 onwards.

The Academic Council may consider and ratify the same.

Resolution:

After detailed discussion the above item was ratified.

Item 10.12

To consider and ratify the extension of maximum period of study for B.Tech. , M.Tech., and M.Tech. (by Research) students.

Note on Agenda

The following students were granted extension of one year beyond the maximum period of study prescribed in the regulation. These students were admitted in the year 2009 and they should have completed the program within seven years, which ended by July 2016.

Mr.R.S Arunmanjunath – 908003 (B.Tech – IT)

Mr.N.Mohammed Farook – 9073221 (B.Tech – CSE)

The following four students were granted one time extension of one year beyond the maximum period of study prescribed in the regulation. These students were admitted in the year 2010 and they should have completed the program within seven years, which ended in July 2017.

Mr.D.Mahesh, RRN 1004308 (B.Tech.- EEE)

Mr.C.Venkateswaran, RRN 1005136 (B.Tech. - ECE)

Mr.Mohamed Fazil, RRN 1007041 (B.Tech. -CSE)

Mr.Nasar Mohamed Thaufeek, RRN 1009019 (B.Tech.- AERO).

Now they will be permitted to complete their program by July 2018.

The following M.Tech. by Research Scholars were granted extension of 1 year and 6 months more beyond the maximum period of study prescribed in the regulations. These scholars were admitted in the year 2012. They should have completed the programme in 4 years which ended by 2016.

Mr.Eliass A. Latiff , RRN : 1260202

M.Mohamed Ibrahım, RRN: 1260201

The Academic Council may consider and ratify the item.

Resolution:

After detailed discussion, the above item was ratified.

Item 10.13

To consider and ratify amendment in the B.Tech., Regulations 2013.

Note on Agenda

As per the regulations, withdrawal is not permitted for the summer term courses. Regarding the award of grade for students with shortage of attendance while redoing the course, the Clause 15.4 of the B.Tech. Regulations 2013 (with amendments incorporated till June 2014) reads as follows:

“If a student with “U” grade prefers to redo any particular course fails to earn the minimum 75% attendance while doing that course, then he / she will not be permitted to write the semester end examination and his / her earlier “U” grade and continuous assessment marks shall continue.”

Regulation Clause 15.4 of B.Tech Regulations 2013 (with amendments incorporated till June 2015) reads as follows:

“If a student with “U” grade prefers to redo any particular course, fails to earn the minimum 75% attendance while doing that course, then he / she will be awarded “I” grade in that course.”

This had created an anomaly and there were also representations from the students. To remove the anomaly it is now proposed to reinstate the Regulations clause 15.4, that is, the student will not be permitted to write the semester end examination and his/her earlier “U” grade and continuous assessment marks shall be retained.

The existing clause of the regulation and the modified clause are given in [Annexure 10.13](#). This item shall be ratified with effect from June 2016.

The Academic Council may consider and ratify the item.

Resolution:

The above item was ratified by the Academic Council.

Item 10.14

To consider the appointment of Dr. M. S. Haji Shiek Mohammed, Dean Academic Affairs as the Coordinator for IQAC.

Note on Agenda

The Internal Quality Assurance Cell is the fundamental structure for the Quality Assurance and Continuous Improvement in the University education system.

Dr. M. Murugan, the former Dean Academic Affairs was functioning as the Coordinator of IQAC.

Since Dr. M. S. Haji Shiek Mohammed has taken charge as the Dean, Academic Affairs, he is nominated as Coordinator for IQAC.

The Academic Council may take note of the appointment.

Resolution:

After discussions, the above appointment was recorded.

Items moved by Dean Academic Research

Item 10.15

To consider and approve the amendments of clauses (14.2, 14.5, 14.9, 16.2, 18.2, 18.3 and 19.2) to Ph.D., Regulations 2016.

Note on Agenda

The last revision of the Ph.D. Regulation was carried out in the year 2016 based on the revised UGC regulations 2016 for M.Phil. and Ph.D. Programmes. But few clauses (14.2, 14.9, 18.2 and 19.2) of Ph.D. Regulations 2016 are again revised according to UGC guidelines 2016.

The list of modified clauses of Ph.D Regulation 2016 is given in [Annexure 10.15](#).

The Academic Council may consider and approve the same.

Resolution:

Mr. B. Suresh suggested to include few clauses in the Ph.D. regulations for part time external candidates working in industry. Dr. Khurram Mustafa suggested to rename the doctoral committee as Research Advisory Committee as given in UGC regulations. He also suggested to accept publications in UGC approved journals in addition to Scopus and web of science indexed journals. The council noted his suggestion for possible implementation in the future.

After detailed discussion the above item was approved.

Items moved by the Chairman, Board of studies

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 10.16

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

Item 10.16.1

To consider and approve the revision of curriculum and syllabus for B.Tech. (Computer Science and Engineering) under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabus of B.Tech. Computer Science and Engineering were thoroughly revised. 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 curriculum and the detailed syllabi for the first two semesters are given in [Annexure 10.16.1](#).

These revisions will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Item 10.16.2

To approve the syllabi of Computer Programming-I (Semester I) and Computer Programming-II (Semester II) for B.Tech Programme under Regulations 2017 (common to all Branches).

Note on Agenda

The syllabi of the above courses were discussed in detail in the Board of Studies of the department and the board has recommended for approval.

The detailed syllabi for the common courses are given in [Annexure 10.16.2](#).

These revisions will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Items of Ratification**Item 10.16.3**

To ratify the syllabus content of the course CSCY261 Knowledge Discovery Technologies of M.Tech. (Computer Science & Engineering with specialization in Big Data Analytics), Regulations 2016.

The revision was discussed in the Board of Studies of the Department and the board has recommended for approval.

The detailed syllabus for the course is given in [Annexure 10.16.3](#).

This revision was implemented from the Academic Year 2016-17 onwards.

The Academic Council may consider and ratify the same.

Resolution:

The above item was ratified by the Academic Council.

Item 10.16.4

To ratify the course outcomes of the course "CSC6201 Machine Learning Techniques" of M.Tech (Computer Science & Engineering and Computer Science & Engineering with specialization in Big Data Analytics), Regulations 2016.

The revision was discussed in the Board of Studies of the Department and the board has recommended for approval.

The modified course outcome is given in [Annexure 10.16.4](#).

This revision was implemented from the Academic Year 2016-17 onwards.

The Academic Council may consider and ratify the same.

Resolution:

The above item was ratified by the Academic Council.

Item 10.16.5

To consider and approve the syllabus content of the general elective course "GECY113 Python Programming" for M.Tech programmes, Regulations 2016.

Note on Agenda

The revision was discussed in the Board of Studies of the Department and the board has recommended the approval.

The detailed syllabus for the elective course is given in [Annexure 10.16.5](#).

This revision will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

Mr. Siva Sankara Prasad Thupalli appreciated the inclusion of Python Programming language. He also added that the LUA script may also be useful for embedded devices in cloud programming.

After detailed discussion the above item was approved by the council.

Item 10.16.6

To consider and approve the introduction of two new programmes namely, B.Tech. in Computer Science with specialization in Big Data Analytics (in association with IBM) and B.Tech. in Computer Science with specialization in Artificial Intelligence and Internet of Things (in association with IBM)

The significance of offering the above programmes were deliberated in the Board of Studies of the department. The Board of Studies approved the introduction of new programmes, namely, B.Tech in Computer Science with specialization in Big Data Analytics (in association with IBM) and B.Tech in Computer Science with specialization in Artificial Intelligence and Internet of Things (in association with IBM).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF INFORMATION TECHNOLOGY

Item 10.17

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

Item 10.17.1

To consider and approve the revision of curriculum and syllabi of B.Tech Information Technology under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of B.Tech. Programme of the University, the curriculum and syllabi of B.Tech. Information Technology were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Information Technology and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of first two semesters are given in [Annexure 10.17.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

Item 10.17.2

To consider and approve the revision of syllabus and credit for the certification programme in iOS Application Development and Android Application Development

Note on Agenda

The revision of syllabus and credit for the certification programme in **iOS Application Development and Android Application Development offered by BSAU Apple iOS Application Development Centre** was deliberated in the Board of Studies of the department and the board recommended the same for approval.

The revised syllabus of the certification programme is given in [Annexure 10.17.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 10.18

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

Item 10.18.1

To consider and approve the curriculum and syllabi of BCA [specialization with Data Science] programme under Regulations 2016.

Note on Agenda

The curriculum and syllabi of BCA [specialization with Data Science] were formulated and deliberated in the Board of Studies of the Department of Computer Applications and the board has recommended the approval.

This curriculum and syllabi will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for the BCA [specialization with Data Science] are given in [Annexure 10.18.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Item 10.18.2

To consider and approve the inclusion of the new electives in the M.C.A programme under Regulations 2016.

Note on Agenda

Considering the evolving technology and change in the trends of IT field, the following courses were suggested as electives in Master of Computer Applications programme to improve the students' cognitive skills, technical skills and placement opportunities:

Sl.No.	Course Code	Course Name
1	CACY042	Open source programming
2	CACY043	Cognitive Science
3	CACY044	M-Commerce

After detailed deliberations, the Board of Studies agreed on the introduction of the above courses in the curriculum.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The syllabi for the electives are enclosed in the [Annexure 10.18.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic Council.

Item 10.18.3

To consider and approve the inclusion of the course “Social Entrepreneurship” in the MCA under Regulations 2016.

Note on Agenda

To enhance the leadership qualities of the students and to mould the students as entrepreneurs, the course **Social Entrepreneurship is included as core paper for the MCA students in the fifth semester instead of “Essentials of Management for Computer Professionals”.**

After detailed discussion, the members of the committee agreed on the inclusion of the **“Social Entrepreneurship”** course in the fifth semester.

This revision will be implemented from the Academic Year 2017-18 onwards.

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCE

Item 10.19

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

Item 10.19.1

To consider and approve the revised syllabi of Mathematics courses for first three semesters of B.Tech. under Regulations 2017.

Note on Agenda

The syllabi of the first three semesters of B.Tech. Programmes were revised and deliberated in the Board of Studies of the Department. The board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the revised courses are given in [Annexure 10.19.1](#).

The Academic Council may consider and approve the same.

Resolution:

Mr. B. Suresh suggested that the programme M.Sc Actuarial Science has a wide market in the industry and the public should be made aware through extensive advertisement.

After detailed discussion, the above item was approved by the Academic council.

Item 10.19.2

To consider and approve the syllabi of elective courses in Mathematics for B.Tech. under Regulations 2017.

Note on Agenda

The Mathematics elective courses to be offered for B.Tech. programs were rationalized. It was decided to offer 4 different Mathematics courses in 4th semester and 5 different courses in 6th semester for various B.Tech. Programmes. These courses and their syllabi were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for all the courses are given in [Annexure 10.19.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Item 10.20

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

Item 10.20.1

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

Note on Agenda

As part of major revision in the curriculum of all B.Tech Programmes of the University, the curriculum and syllabi of B.Tech. Electrical and Electronics Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of first two semesters are given in [Annexure 10.20.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 10.21

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

Item 10.21.1

To consider and approve the revised curriculum & syllabi of B.Tech., Electronics and Communication Engineering under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabi of B.Tech. Electronics and Communication Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of I and II semesters are given in [Annexure 10.21.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved the Academic council.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Item 10.22

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

Item 10.22.1

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

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabi of B.Tech. Electronics and Instrumentation Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for first two semesters are given in [Annexure 10.22.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

Item 10.23

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

Item 10.23.1

To consider and approve the revised curriculum & syllabi of B.Tech. Civil Engineering under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabi of B.Tech. Civil Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Civil Engineering and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for the first two semesters are given in [Annexure 10.23.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

Item 10.23.2

To ratify the syllabi of the Ph.D. level courses.

Note on Agenda

The following Ph.D. level courses were recommended by the Doctoral Committees of various research scholars of the Department of Civil Engineering:

CECY115 – Nanotechnology in Concrete

CECY216 – Geopolymers: Structures, Processing and Properties

CECY235 - Adsorption and Kinetics

CECY236 - Environmental Nanotechnology

CECY237 - Architecture Pedagogy

The syllabi for the courses were discussed in the Board of Studies of the Department of Civil Engineering and the board has recommended the approval with effect from the Academic Year 2016-17.

The syllabi for the above courses are given in [Annexure 10.23.2](#).

The Academic Council may consider and ratify the same.

Resolution:

After detailed discussion the above item was ratified by the Academic Council.

SCHOOL OF MECHANICAL SCIENCES

DEPARTMENT OF AEROSPACE ENGINEERING

Item 10.24

To consider and approve the recommendation of Board of Studies of the Department of Aerospace Engineering.

Item 10.24.1

To consider and approve the revised Curriculum & Syllabi of B.Tech. Aeronautical Engineering under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabi of B.Tech. Aeronautical Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Aerospace Engineering and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi of the first two semesters are given in [Annexure 10.24.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Item 10.25

To consider and approve the recommendation of Board of Studies of the Department of Automobile Engineering.

Item 10.25.1

To consider and approve the revised Curriculum & Syllabi of B.Tech., Automobile Engineering under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabi of B.Tech. Automobile Engineering were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Automobile Engineering and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for first two semesters are given in [Annexure 10.25.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

Item 10.25.2

To consider and approve the amendment in the curriculum of B.Tech. Automobile Engineering under Regulations 2013.

Note on Agenda

To introduce industry relevant courses, new professional electives were added in the B.Tech. Automobile Engineering program. Their syllabi were thoroughly discussed in the Board of Studies of the Department and the board has recommended their approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and syllabi of the courses are given in the [Annexure 10.25.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 10.25.3

Note on Agenda

The following general electives were introduced in the B.Tech. program, Regulations 2017:

- i) Automotive Pollution Control
- ii) Motor Vehicle Act & insurance
- iii) Vehicle Maintenance
- iv) Transport Management

The syllabi of the courses were thoroughly discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for the above courses are given in the [Annexure 10.25.3](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

DEPARTMENT OF MECHANICAL ENGINEERING

Item 10.26

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

Item 10.26.1

To consider and approve the revised curriculum and syllabi of B.Tech Mechanical Engineering under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabi of B.Tech. Mechanical Engineering programme were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Mechanical Engineering and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi are given in [Annexure 10.26.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

Item 10.26.2

To consider and approve the syllabi for common courses offered for B.Tech. Regulations 2017 by the Department of Mechanical Engineering.

Note on Agenda

The Department of Mechanical Engineering is offering four courses to all B.Tech. Programmes of the University. The courses are Engineering Graphics, Engineering Design, Basic Engineering Practice Lab and Basic Engineering Mechanics. The board after detailed discussion approved the syllabi for the four courses.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi of the common courses are given in [Annexure 10.26.2.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

DEPARTMENT OF POLYMER ENGINEERING

Item 10.27

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

Item 10.27.1

To consider and approve the revised Curriculum & Syllabi of B.Tech., Polymer Engineering under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the curriculum and syllabus of B.Tech. Polymer Engineering programme were thoroughly revised. These revisions were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the syllabi for first two semesters are given in [Annexure 10.27.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

DEPARTMENT OF MANAGEMENT STUDIES

Item 10.28

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

Item 10.28.1

To consider and approve the amendment in the curriculum and syllabi of M.B.A. under Regulations 2016.

Note on Agenda

As part of revision in the curriculum of M.B.A. program, new specializations were offered as elective courses. Two specializations namely “International Business Management” and “Logistics and Supply Chain Management” were included with 6 electives under each specialization.

Five courses were removed from the curriculum under the specialization “Operations Management” and replaced with three courses from new specialization “Logistics and Supply Chain Management”

These revisions were discussed in the Board of Studies of the Department of Management Studies and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for the new specializations are given in [Annexure 10.28.1.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Item 10.28.2

To consider and approve the amendments in the syllabi of the courses MSC6307 Psychometrics and Corporate Connect Lab and MSC6102 Entrepreneurship Development in the MBA, Regulations 2016.

Note on Agenda

The syllabi for the courses MSC 6307 Psychometrics and Corporate Connect Lab and MSC6102 Entrepreneurship Development were modified and presented in the Board of Studies of the Department. After detailed deliberations the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi for the courses are given in [Annexure 10.28.2.](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Item 10.28.3

To consider and approve the syllabi for the new course “Advanced Research Methodology” in the curriculum of M.B.A., under Regulations 2016.

Note on Agenda

As per the amendments of UGC, the course Research Methodology offered to the Ph.D. Scholars should be of 4 credits. To implement this change, a new Course Advanced Research Methodology is offered with 2 credits.

The syllabus for the above mentioned courses were presented in the Board of Studies of the Department of Management Studies. These were discussed in the Board of Studies of the Department of Management Studies and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi for the courses are given in [Annexure 10.28.3](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 10.28.4

To consider and approve the curriculum and syllabi of BBA under Regulations 2016.

Note on Agenda

The curriculum and syllabi of the new programme Bachelors of Business Administration (BBA) were formulated and deliberated in the Board of Studies of the Department and the board has recommended the approval.

These curriculum and syllabi will be implemented from the Academic Year 2017-18 onwards.

The curriculum and syllabi of BBA programme are given in [Annexure 10.28.4](#).

The Academic Council may consider and approve the same.

Resolution:

Mr. B. Suresh suggested to offer a course on smart Urban Management in this Programme. The council noted the suggestion for possible implementation in the future. After detailed discussion, the above item was approved by the Academic council.

SCHOOL OF LIFE SCIENCES**Item 10.29**

To consider and approve the recommendations of the Board of studies of the School of Life Sciences.

Item 10.29.1

To consider and approve the Curriculum & Syllabi of the new programme B.Sc. Biotechnology under Regulations 2016.

Note on Agenda

B.Sc Biotechnology Programme is introduced as a new programme in the Academic Year 2017-18. The curriculum and syllabi for B.Sc. Biotechnology Programme were formulated and discussed in the Board of Studies of the School of Life Sciences and the board has recommended the approval.

This will be implemented from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for program are given in [Annexure 10.29.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

SCHOOL OF ARCHITECTURE

Item 10.30

To consider and approve the recommendations of the Board of studies of the School of Architecture.

Item 10.30.1

To consider and approve the curriculum and syllabi of the new programme B.Des. (Interior Architecture) under Regulations 2017.

Note on Agenda

To enhance the understanding of the underlying principles and concepts in Interior Architecture and its applications in a broad range of contexts, four year undergraduate program is being introduced from this academic year onwards.

The curriculum and syllabus of B.Des.(Interior Architecture) to be offered by School of Architecture were formulated and discussed in the Board of Studies of the School of Architecture and the board has recommended the approval.

This programme will be offered from the Academic Year 2017-18 onwards.

The curriculum and the detailed syllabi for the first two semesters are given in [Annexure 10.30.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

Item 10.31

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

Item 10.31.1

To consider and approve the revision of syllabus of Physics (Laboratory Integrated theory course) for B.Tech. under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the syllabus of Physics course offered to first semester B.Tech. programmes was thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Physics and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabus is given in [Annexure 10.31.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

Item 10.31.2

To consider and approve the Physics Elective courses for B.Tech. under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the Physics course is offered as elective in the second semester. It was decided to offer 9 different Physics courses to suit the needs of various B.Tech. Programmes. The syllabi of these courses were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi are given in [Annexure 10.31.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

DEPARTMENT OF CHEMISTRY

Item 10.32

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

Item 10.32.1

To consider and approve the revision of the course “Chemistry” for B.Tech. under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the syllabi of Chemistry course offered to first semester B.Tech. programmes was thoroughly revised. The revisions were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabus is given in [Annexure 10.32.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved by the Academic council.

Item 10.32.2

To consider and approve the Chemistry Elective courses for B.Tech. under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the Chemistry course is offered as elective in the second semester. It was decided to offer 9 different Chemistry courses to suit the needs of various B.Tech. Programmes. The syllabi of these courses were discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi are given in [Annexure 10.32.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 10.32.3

To consider and approve the syllabus of common course "Environmental Studies" offered to B.Tech. under Regulations 2017.

Note on Agenda

The Department of Chemistry is offering the course "Environmental Studies" to all B.Tech. Programmes of the University. This course was formulated as per UGC guidelines. After detailed discussion, the board approved the syllabus.

This revision will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabus of the common course is given in [Annexure 10.32.3](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion, the above item was approved.

Item 10.32.4

To consider and approve the Allied Chemistry course for B.Sc. Biotechnology under Regulations 2017.

The syllabus for Allied Chemistry specifically offered to B.Sc. Biotechnology was discussed in the Board of Studies of the Department and the board has recommended the approval.

This will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabus is given in [Annexure10.32.4](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the council.

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

Item 10.33

To consider and approve the recommendations of the Board of Studies of the Department of Social Sciences and Humanities.

Item 10.33.1

To consider and approve the revised syllabus of courses to be offered as Humanities Electives in the B.Tech. under Regulations 2017.

Note on Agenda

The following courses are offered as Humanities electives in the 3rd and 4th semester of B.Tech. Regulations 2017:

SSC2181 Fundamentals of Economics

SSC2284 Economics of Sustainable Development

SSC2286 Law for Engineers

SSC 2182 Principles of Sociology

SSC 2183 Sociology of Indian Society

SSC 2285 Industrial Sociology

The syllabi of the above courses were formulated and discussed in the Board of Studies of the School and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi for the above courses are given in [Annexure 10.33.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Item 10.33.2

To ratify the course Research Methodology for Ph.D. programme offered by the School of Social Sciences and Humanities.

Note on Agenda

The course Research Methodology is offered to various research scholars of the School of Social Sciences and Humanities. The syllabus of the course was discussed in the Board of Studies of the School of Social science and humanities and the board has recommended the approval with effect from Academic Year 2016 - 17.

The detailed syllabus for the above course is given in the [Annexure 10.33.2](#).

The Academic Council may consider and ratify the same.

Resolution:

After detailed discussion, the above item was ratified by the Academic Council.

Item 10.33.3

To consider and approve the syllabus of three foreign languages, viz., Mandarin, Japanese and German for B.Tech. under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all UG programmes of the University, three foreign languages viz. Mandarin, Japanese and German are offered in the B.Tech., Regulation 2017.

The syllabi for the courses were formulated and discussed in the Board of Studies of the School of Social Sciences and Humanities and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi for the above courses are given in the [Annexure 10.33.3](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

DEPARTMENT OF COMMERCE

Item 10.34

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

Item 10.34.1

To consider and approve the curricula and syllabi of B.Com. (General) and B.Com. (Accounts & Finance) under Regulations 2016.

Note on Agenda

The curricula and syllabi of the new programmes B.Com. (General) and B.Com. (Accounts & Finance), Regulations 2016 were formulated and deliberated in the Board of Studies of the Department of Commerce and the board has recommended the approval.

These curricula and syllabi will be implemented from the Academic Year 2017-18 onwards.

The curricula and syllabi of B.Com. (General) and B.Com. (Accounts & Finance) programmes are given in [Annexure 10.34.1](#) & [Annexure 10.34.2](#).

The Academic Council may consider and approve the same.

Resolution:

Mr. B. Suresh suggested to change the Nomenclature of B.Com. (General) to B.Com. and this change was unanimously accepted by the council members for immediate implementation.

After detailed discussion the above item was approved by the Academic council.

DEPARTMENT OF ENGLISH

Item 10.35

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

Item 10.35.1

To consider and approve the revision of the courses offered by the Department of English for B.Tech. under Regulations 2017.

Note on Agenda

As part of major revision in the curriculum of all B.Tech. Programmes of the University, the syllabi of following courses were thoroughly revised:

- English
- Written Communication
- Oral Communication

These revisions were discussed in the Board of Studies of the Department of English and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The syllabi for the above courses are given in [Annexure 10.35.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by Academic council.

Item 10.35.2

To consider and approve the courses for Research scholars for Ph.D. Programme.

Note on Agenda

The following Ph.D. level courses were recommended by the Doctoral Committees of various research scholars of the Department of English.

- Contemporary Literary Theories and Criticism
- Indian Fiction
- Teacher Education: Theory and Practice
- Educational Psychology

The syllabi for the courses were formulated and discussed in the Board of Studies of the Department and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The detailed syllabi for the program are given in [Annexure 10.35.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

SCHOOL OF ISLAMIC STUDIES

Item 10.36

To consider and approve the recommendations of the Board of Studies of the School of Islamic Studies.

Item 10.36.1

To consider and approve the curriculum and syllabus of B.A. Islamic Studies (Arabic Medium) under Regulations 2017.

Note on Agenda:

As part of major revision in the curriculum of all UG programmes of the University, the syllabus of B.A. Islamic Studies were thoroughly revised. These revisions were discussed in the Board of Studies of the School of Islamic Studies and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and syllabi of first two semesters are given in [Annexure 10.36.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved.

Item 10.36.2

To consider and approve the curriculum and syllabus of B.A Islamic Studies (English Medium) under Regulations 2017

Note on Agenda:

As part of major revision in the curriculum of all UG programmes of the University, the syllabi of B.A Islamic Studies (English Medium) were formulated and thoroughly revised. These revisions were discussed in the Board of Studies of the School of Islamic Studies and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and syllabi of first two semesters are given in [Annexure 10.36.2](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Item 10.36.3

To consider and approve the revised curriculum and syllabus of M.A Islamic Studies under Regulations 2017.

Note on Agenda:

As part of major revision in the curriculum of PG programmes of the University, the syllabi of M.A Islamic Studies were formulated and thoroughly revised. These revisions were discussed in the Board of Studies of the School of Islamic Studies and the board has recommended the approval.

These revisions will be implemented from the Academic Year 2017-18 onwards.

The curriculum and syllabi of first two semesters are given in [Annexure 10.36.3](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

CRESCENT SCHOOL OF PHARMACY

Item 10.37

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

Item 10.37.1

To consider and approve the curriculum and syllabi of 4 year B.Pharm., Regulations 2017.

Note on Agenda

The curriculum and syllabi of the new programme B.Pharm, Regulations 2017 were formulated and deliberated in the Board of Studies of the Crescent School of Pharmacy and the board has recommended the approval.

This curriculum and syllabi will be implemented from the Academic Year 2017-18 onwards.

The curriculum and syllabi of B.Pharm are given in [Annexure 10.37.1](#).

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

CRESCENT SCHOOL OF LAW

Item 10.38

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

Item 10.38.1

To consider and approve the curricula and syllabi of 5 Year integrated BBA LLB (Hons) and B.Com LLB (Hons)., Regulations 2017.

Note on Agenda

The curricula and syllabi of the new programmes BBA LLB (Hons) and B.Com LLB.(Hons), Regulations 2017 were formulated and deliberated in the Board of Studies of the Crescent School of Law and the board has recommended the approval.

These curricula and syllabi will be implemented from the Academic Year 2017-18 onwards.

The curricula and syllabi of BBA LLB (Hons.) and B.Com LLB.(Hons.), Regulations 2017 are given in [Annexure 10.38.1](#)

The Academic Council may consider and approve the same.

Resolution:

After detailed discussion the above item was approved by the Academic council.

Any other points for discussion

Mr. B. Suresh appraised the council members that ethics level of B.S. Abdur Rahman University students are great which he experienced himself in his organization. He stressed that live projects can be taken up and integrated at PG and Ph.D. levels. Consultancy and Project work can be improved by aligning courses on par with international standard. He also suggested that there is a need for dynamic academic system and more liberty could be given to students for self-study.

Mr. Siva Sankara Prasad Thupalli informed that students of B.S. Abdur Rahman University are performing well in his organization. He stressed the need for improvement in communication skills of the students to compete in the international market. He mentioned that job opportunities are available in plenty for the students if they learn new courses and update themselves according to the market requirements. He also informed that a course on 'LUA' can be introduced to cater the need of the industry. He stressed on the need for concentrating on "electronic automobile" which is an emerging area with more potential for employment.

Prof. C. Thangamuthu expressed that output of research and project work would be more fruitful if interdisciplinary programmes are offered. Paradigm shift can happen in the University by transforming it into a multidisciplinary campus.

Prof. V. Ramachandran was appreciative of the uniqueness of offering Physics and Chemistry electives at the UG level. He also endorsed the view that a course on 'LUA' can be introduced for 1 or 2 credits, which can help students to have an edge over other students when appearing for interviews. He opined that specialization should not be given in the title of the degree offered at the UG level.

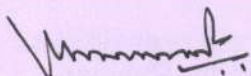
Dr. Khurram Mustafa was highly appreciative of the active participation of the industry icons in the Academic Council. He stated that a uniform regulation can be followed by all programmes; too many regulations would complicate the implementation process. He also said that students can be given more opportunities to take up self-study courses and teachers can take the role of managers/facilitators.

Vote of thanks by Registrar

The Registrar thanked all the members of Academic Council Meeting for their sincere participation and valuable suggestions.

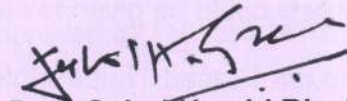
During the vote of thanks, the Registrar expressed that the suggestions given by the external members would be considered for implementation in due course of time.

Finally he thanked all the members for their co-operation rendered for the successful conduct of the Tenth Meeting of the Academic Council.



Dr. V. Murugesan

Registrar



Prof. Sahol Hamid Bin Abu Bakar

Vice-Chancellor

B.S. ABDUR RAHMAN UNIVERSITY

Vandalur, Chennai – 600 048

Minutes of the Ninth Meeting of the Academic Council

The Ninth Meeting of the Academic council was held on 29th July, 2016 at 9.30 a.m. in Seminar Hall III of the Convention Centre of B.S. Abdur Rahman University.

The following members attended the meeting:

1. Dr. V.M. Periasamy, Vice Chancellor
2. Mr. Ashok Vasudevan, Managing Director, FESTO Controls Pvt. Ltd, Bangalore
3. Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai
4. Dr. V. Murugesan, Registrar & Director, Sponsored Research & Consultancy
5. Mr. V.N.A. Jalal, Director (Admissions and Campus Development)
6. Dr. V. Sankaranarayanan, Director, University Projects
7. Dr. P. Kanagasabapathy, Professor of Eminence
8. Dr. I. Mohammed Bilal, Controller of Examinations
9. Dr. T.R. Rangaswamy, Professor of E&I
10. Dr. R. Raja Prabu, Dean (Academic Research)
11. Dr. S.S.M. Abdul Majeed, Professor & Head, Department of Polymer Engineering
12. Dr. M. Murugan, Dean (Academic Affairs) & Dean, School of Mechanical Sciences
13. Dr. P.K. Jawahar, Dean (Student Affairs)
14. Dr. Dr. M.S. Haji Sheik Mohamed, Dean, School of Infrastructure
15. Dr. S. Kaja Mohideen, Dean, School of Electrical & Communication Sciences
16. Dr. K.M. Mehata, Dean, School of Computer, Information & Mathematical Sciences
17. Ar. Jayalakshmi, Dean, Crescent School of Architecture
18. Dr. S. Kutti Rani, Dean, School of Physical and Chemical Sciences
19. Dr. P.M. Usha Rani, Dean, School of Social Sciences and Humanities
20. Dr. P. Syed Masood Jamali, Dean, School of Islamic Studies
21. Dr. S. Hemalatha, Dean, School of Life Sciences

22. Dr. S. Prince Arockiadoss, Director, International Collaboration
23. Dr. P. Vasanthi Padmanabhan, Professor and Head, Department of Civil Engineering
24. Dr. C. Tharini, Professor & Head, Department of Electronics & Communication Engineering
25. Dr. Sharmila Sankar, Professor & Head, Department of Computer Science and Engineering
26. Dr. Latha Tamilselvan, Professor & Head, Department of Information Technology
27. Dr. M. Subramanian, Professor & Head, Department of Automobile Engineering
28. Dr. P. Vasantha Kumar, Professor & Head, Department of Aerospace Engineering
29. Dr. R. Rajaraman, Professor & Head, Department of Mechanical Engineering
30. Dr. K.N. Srinivas, Professor & Head, Department of Electrical and Electronics Engineering
31. Dr. U. Sabura Banu, Professor & Head, Department of Electronics & Instrumentation Engineering
32. Dr. A. Jaya, Professor & Head, Department of Computer Applications
33. Dr. P.S. Sehiq Uduman, Professor & Head, Department of Mathematics & Actuarial Sciences
34. Dr. I. Raja Mohamed, Professor and Head, Department of Physics
35. Dr. D. Easwaramoorthy, Professor and Head, Department of Chemistry
36. Dr. S.K.G. Ganesh, Professor and Head, Department of Management Studies
37. Dr. S.S.M. Abdul Majeed, Professor and Head, Department of Polymer Engineering
38. Dr. Revathy Viswanathan, Professor and Head, Department of English
39. Dr. M. Sandhya, Professor, Department of Computer Science and Engineering
40. Dr. Haider Yasmin, Professor, Department of Management Studies
41. Dr. S. Rasool Mohideen, Professor, Department of Mechanical Engineering
42. Dr. W. Aisha Banu, Professor, Department of Computer Science and Engineering
43. Dr. N. Hajara Beevi, Professor, Department of Chemistry
44. Dr. M. Mohamed Ismail, Professor, Department of Electronics and Communication Engineering
45. Dr. D. Najumnissa Jamal, Professor, Department of Electronics and Instrumentation Engineering
46. Dr. B. Vijayalakshmi, Professor, Department of Electronics and Communication

Engineering

47. Dr. J. Revathi, Professor, Department of Civil Engineering

48. Ms. T. Nagamalar, Associate Professor, Department of Computer Science and Engineering

49. Ms. Nasreen Kaleem, Associate Professor, Department of Mechanical Engineering

50. Ms. X. Arputha Rathna, Associate Professor, Department of Computer Science and Engineering

51. Dr. M. Kabeer, Assistant Professor (Sel. Gr.), Department of Information Technology

52. Dr. K. Yogeswari, Assistant Professor (Sel.Gr.), Department of Crescent School of Architecture

53. Mr. Y. Mohamed Shuaib, Assistant Professor (Sel.Gr.), Department of Electrical & Electronics Engineering

Leave of absence was granted to the following members as they have expressed their inability to attend the meeting due to their preoccupation.

1. Mr. Abdul Qadir A. Rahman Buhari, Chairman, Board of Management
2. Prof. S.P. Thyagarajan, Former Vice Chancellor, University of Madras and Pro-Chancellor (Research), Sri Ramachandra University
3. Dr. K. Sriram, Manager, Composite Material Behaviour, GE India Technology Centre, Bangalore
4. Prof. Syed Mahdi Abbas Rizvi, Professor, Department of Mechanical Engineering, Aligarh Muslim University, Aligarh.
5. Prof. C. Thangamuthu, Former Vice-Chancellor of Bharathidasan University, Trichy.
6. Mr. K. Bhaskar, Technical Manager, Embedur System, Chennai.
7. Dr. R. Shriram, Professor, CSE, BSAU.

Welcome Address by the Vice-Chancellor

Vice-Chancellor welcomed the external members Dr. V. Jagadeesh Kumar, Professor of Electrical & Electronics Engineering and Dean (Academic Courses) IIT

Madras and Mr. Ashok Vasudevan, Managing Director, Festo Controls Private Limited, Bangalore and all the other internal members for the 9th meeting of the Academic Council.

Vice-Chancellor requested Dr. M. Murugan, Dean (Academic Affairs) to present a brief report on the development and academic activities of the University between previous Academic Council meeting held on 14.07.2015 and July 28.07.2016. The same was presented by Dr. M. Murugan, Dean (Academic Affairs).

After discussion on the brief report, the agenda items were presented in the following order:

Item 9.1

To confirm the Minutes of the Eighth meeting of the Academic Council held on 14th July 2015.

Note on Agenda

The eighth meeting of the Academic Council was held on 14.07.2015 at 10.00 am in the Seminar Hall III of B.S. Abdur Rahman University. The minutes of the meeting was communicated to all members and no comments were received.

The minutes of the meeting is enclosed in [Annexure 9.1](#).

Resolution :

As there were no comments received from the members, the minutes of the eighth Academic Council was confirmed.

Item 9.2

To consider the Action Taken Report on the above Minutes.

Note on Agenda

The action taken report on the minutes of Eighth meeting of Academic Council is enclosed in Annexure 9.2.

The Academic Council may take note of the same.

Resolution :

After discussion the Action Taken Report of the Eight Academic Council was recorded.

Items moved by the Dean (Academic Affairs) for consideration and approval

Item 9.3

To consider and approve the following Academic Items

Item 9.3.1

To consider and approve the introduction of slotted timetable.

Implementation of Choice Based Credit System requires a Modular Scheduling framework. With the traditional Time Table it is not possible to offer real choice to the students. Many provisions of the existing regulations like offering language elective or students registering for additional courses, could not be implemented with the rigid class work scheduling.

After considering the implementation of modular timetable in various institutions including IIT Madras, the University formulated its own form of modular scheduling with 40 numbers of fifty minute periods grouped in 10 slots.

The slotted time table is given in Annexure 9.3.1.

This will come into effect from 1st August 2016 onwards.

The Academic Council may consider and approve the item.

Resolution :

Dr. V. Jagadeesh Kumar suggested that all core courses can be conducted in the morning session as far as possible. He insisted that as far as possible theory courses not be allotted in the afternoon sessions.

After detailed discussion the above item was approved.

Item 9.3.2

To consider and approve the revised regulations of M.Tech./M.Sc./MCA Regulation, 2016.

The postgraduate regulations of the University were formulated in the year 2009 and another revision was carried out in the year 2013. Again a major revision is being carried out in the regulations of all Post Graduate programs. The curricular framework is also thoroughly revised.

The major emphasis of revision is incorporating more flexibility in the regulation and framework. The salient features of the new regulations are

- Provision for 1 or 2 credit courses in the curriculum
- To the extent possible integrating Theory & Lab courses
- Provision for 2 days or 1 week course delivery by some international faculty or industry expert, which can be one credit or two credit elective
- Flexibility in course timings

The regulations for M. Tech. M.Sc . MCA – Regulations 2016 is enclosed in Annexure 9.3.2.

This will come in to effect from the Academic year 2016-17 onwards.

The Academic Council may consider and approve the item.

Resolution

Members discussed in detail about the provision for the one credit courses in the new regulations. It was suggested that 1 credit courses shall have 15 – 16 periods and can span over a week.

Dr. V. Jagadeesh Kumar also suggested to reduce the number of credits for Masters Programmes and to drop courses in 3rd semester. This will facilitate the students to take project for one year and they can also concentrate on publication.

After detailed discussion the above item was approved.

Item 9.3.3

To consider and approve the revised regulations of M.B.A. Regulations 2016

The postgraduate regulations of the University were formulated in the year 2009 and another revision was carried out in the year 2013. Again a major revision is being carried out in the regulations of all Post Graduate programs. The curricular framework is also thoroughly revised.

The major emphasis of revision is incorporating more flexibility in the regulation and framework. The salient features of the new regulations are.

- Changing the credit definition for courses to suit the trimester pattern
- Provision for substitute examination
- Provision for 1 or 2 credit courses in the curriculum
- To the extent possible integrating Theory & Lab courses
- Provision for 2 days or 1 week course delivery by some international faculty or industry expert, which can be a 1 credit or 2 credit elective

- Flexibility in course timings

The regulations for M.B.A program – Regulations 2016 is enclosed in Annexure 9.3.3

This will come into effect from the Academic year 2016-17 onwards.

The Academic Council may consider and approve the item.

Resolution

Dr. V. Jagadessh Kumar enquired about the trimester pattern of the MBA programme. He informed that all programmes are offered in semester pattern except Management Studies. He also suggested that MBA programme can have the four quarter terms. The council noted the suggestion for possible implementation in the future.

After detailed discussion the above item was approved by the members.

Item 9.3.4

To consider and approve the revised regulations of B.Arch programme - B.Arch Regulation 2016, the revised curriculum and syllabus.

The B. Arch regulation was revised in 2016. The changes incorporated were primarily to align the academic regulation in line with the general guidelines of Council of Architecture. Accordingly the curriculum and syllabus were also revised.

The revised regulation is given in Annexure 9.3.4.(a)

The revised curriculum and syllabus are given in Annexure 9.3.4.(b).

The new regulation, curriculum and syllabus are to be implemented from August 2016 onwards.

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion the above item was approved.

Item 9.3.5

To consider and approve the amendment in clause 13.1 of UG B.Tech Regulation 2013 on awarding marks for attendance

In the current B. Tech regulation 5% marks in every theory course is being allotted for attendance. Attendance percentage of 75 % and below carries zero marks and 95 % and above carries 5 marks. For attendance percentages in between, marks are being awarded proportionally.

This particular measure was introduced to enhance student attendance. But the experience in the last two years, show little evidence of improved attendance. Also it is being felt that awarding marks for just attending classes is not justified.

Hence it is proposed to remove the system of allotting marks for attendance. Accordingly the weightage for the three continuous assessments shall be increased from the present 15% to 16.6 %.

The existing and amended clause 13.1 is given in Annexure 9.3.5.

This will be implemented from the Academic Year 2016-17 onwards.

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion the above item was approved.

Items for Ratification

Item 9.3.6

To consider and ratify the sanctioned intake for the various programs offered by the University.

The sanctioned intake for the various programs of the University for Admission in the Academic year 2016-17 has been finalized in April 2016. The same was approved by the Chairman of the Board of Management. Accordingly admissions to various programs are being carried out.

The sanctioned intake for various programs are given in Annexure 9.3.6.

This was implemented in the admission for the year 2016-17.

The Academic Council may consider and ratify the item.

Resolution :

The above item was ratified by the Academic Council.

Item 9.3.7

To consider and ratify the amendment in the B.Tech Regulations 2009

The regulation 2009 precedes Regulation 2013 and pertains to students who had completed their study in June 2016 or earlier. In regulation 2009, the continuous assessment marks earned by a student will always be counted whenever she / he writes that course examination as arrears. But for courses of first year alone, his / her marks will be computed (i) with continuous assessment marks and (ii) without it for 100 and the better of the two will be taken. This had created an anomaly and there were also representations from the students.

To remove this anomaly Vice Chancellor had approved to consider the better of the two marks for the award of the grades. The approval was granted on 21.01.2016.

This amendment is applicable only for students of 2009 regulation only and not for students of regulation 2013.

The existing clause of the regulation and the modified clause are given in Annexure 9.3.7.

This was implemented from January 2015 onwards, only for the students of 2009 regulation.

The academic council may consider and ratify the item.

Resolution :

Dr. V. Jagadeesh Kumar explained about the make-up examination followed in IITM. The members of the Academic Council have also discussed in detail about the substitute examination and Redo courses of our University.

After detailed discussion the above item was ratified.

Item 9.3.8.

To consider and ratify the inclusion of National Service Scheme as a General Elective Course and Effect certain changes in the Course GEB3201 Environmental Science & Engineering.

The UGC has asked all Universities to offer course on National Service Scheme. Hence it was decided to offer a general elective Course GEBX263 National Service Scheme.

The course syllabus is given in Annexure 9.3.8 a.

The UGC has also asked the Universities to incorporate the ill effects of fireworks and upkeep of clean environment as a part of course on environmental science and engineering. Accordingly the part of 3rd module in the existing syllabus is modified by including the following part.

Chemistry behind fireworks – fireworks vs forest resources - Impact of fireworks – deforestation – air pollution – chemicals released – nitrate, chlorates and metal oxides - pollution of other environmental compartments - soil pollution - water pollution - surface water, ground water contamination - noise pollution – waste - solid waste – accident - safety measures against firework accidents.

The existing and modified course syllabus is given in Annexure 9.3.8 b.

This was implemented from January 2016 onwards.

The Academic Council may consider and ratify the item.

Resolution :

After detailed discussion the above item was ratified.

Item 9.3.9

To consider and ratify the Annual Quality Assurance Report (AQAR) of the IQAC

The University is accredited by National Assessment and Accreditation Council (NAAC) in May 2014 with A grade. As per the NAAC guidelines, the Annual Quality Assurance Report is to be uploaded in the University website and the same is to be communicated to NAAC. This mandate was complied with.

The Annual Quality Assurance Report 2015-16 of the IQAC is given in Annexure 9.3.9

The Academic Council may consider and ratify the item.

Resolution :

After detailed discussion the above item was ratified.

Item 9.3.10

To consider and ratify the extension of Maximum Period of Study for Three B. Tech students

The following three students were granted one time extension of one year extending their maximum period of study, over and above that prescribed by the regulation. These students were admitted in the year 2009 and they should have completed the program within seven years, which ends by July 2016.

1. Mr. S.A. Aashik Hussain RRN No. 0906001 B.Tech E&IE.
2. Mr. P. Suryabarani RRN No. 0902144 B.Tech Mech
3. Mr. D. Mahesh RRN No. 09043088 B.Tech EEE

Now they will be permitted to finish their program by July 2017.

The Academic Council may consider and ratify the item.

Resolution :

The above item was ratified by the Academic Council.

Item 9.3.11

To consider and ratify the renaming of Crescent Business School as the Department of Management Studies and creation of new Crescent School of Business functioning from the City Centre

The Board of Management had decided to create a separate Crescent School of Business to offer full time, residential management programs. These programs will be offered from the city campus and offer one year Executive PGDM and two year Executive MBA. To provide independent identity for this business school of the University it is named as Crescent School of Business.

The Crescent Business School which is offering regular M.B.A program is renamed as Department of Management Studies and is being brought under the School of Mechanical Sciences.

This was implemented in May 2016 onwards.

The academic council may consider and ratify the item.

Resolution:

After detailed discussion the above item was ratified.

Item 9.3.12

To consider and ratify the grouping of General Electives in two groups and changing the course code for them - B. Tech Regulation 2013.

The general electives of the B. Tech - Regulation 2013, are given as a single list and are to be offered in 7th and 8th semester of all B. Tech programs. To facilitate smooth conduct of examinations these electives are grouped into two groups. Accordingly new code numbers are given.

Moreover new General Electives are also added and the syllabus are also revised.

The new list of General Electives with new code numbers along with the revised syllabus are given in Annexure 9.3.12.

This was implemented during the summer term of 2016 (July-August 2016).

The Academic Council may consider and ratify this item.

Resolution :

After detailed discussion, the above item was ratified.

Item 9.3.13

To consider and ratify the revision of Program Outcomes and Course outcomes of all B. Tech programs of the University.

Note on Agenda

The National Board of Accreditation had come out with a new format for accrediting Tier I institutions from January 2016. In this new format, the Program Outcomes were predefined as 12 graduate attributes and the institutions were asked to formulate only 2-4 program specific outcomes (PSO).

Since the University was in the process of submitting Self Assessment Report (SAR) for 7 of its undergraduate programs, the program outcomes (PO) and program educational objectives (PEO) were revised in alignment with the NBA requirement.

Evaluating the attainment of course outcomes is a major change in the new format of NBA. Hence for all programs of the University the course objectives and outcomes were redefined. The outcomes were made specific and measurable.

The modified PSOs of various B. Tech programs are given in Annexure 9.3.13.

These changes were implemented from January 2016 onwards to facilitate the submission of SAR.

The Academic Council may consider and ratify the changes.

Resolution :

After detailed discussion, the above item was ratified.

Item 9.3.14

To consider and ratify the appointment of Dr. M. Murugan, Dean Academic Affairs as the Coordinator for IQAC.

Note on Agenda

The Internal Quality Assurance Cell is the fundamental structure for the Quality Assurance and Continuous Improvement in the University education system.

Dr. T.R. Rangaswamy, the former dean Academic Affairs was functioning as the Coordinator of IQAC.

Subsequent to Dr. M. Murugan, taking charge as the Dean, Academic Affairs, he has also been nominated as the Coordinator for IQAC.

The Academic Council may consider and ratify the appointment.

Resolution :

The above item was ratified by the Academic Council.

Item 9.3.15

To consider and ratify the creation of the post of Dean PG studies.

Note on Agenda

The University is planning to give a major thrust to the Post Graduate programs. To specifically look after the post graduate programs a separate dean post is created and Dr. S. Kaja Mohideen, Professor, department of ECE is appointed as the Dean, Post Graduate Studies.

The Academic Council may consider and ratify the creation of the post.

Resolution :

The above item was ratified by the Academic Council.

Items moved by Dean Academic Research

Item 9.4

To consider and approve the Ph.D. Regulations 2016.

The last revision of the Ph.D Regulation was carried out in line with UGC guidelines 2009. After making several amendments, the UGC has now come out with new Ph.D Regulations 2016, which was published in the Gazette of India recently (in supersession of the UGC Ph.D Regulations 2009, which was Gazetted on July 2009).

Based on our experience and in order to introduce sustainable quality measures, we have already brought in several amendments to our B.S. Abdur Rahman University Ph.D Regulation 2009, in line with the UGC mandate.

Some of the amendments which we made already are given below:

- Plagiarism Check
- Publications Requirement
- Quality of Publications
- University level quality check for the Ph.D work (Pre Synopsis Review Committee)
- Repository with INFLIBNET etc.,

Recently, UGC has brought in other changes like

- Revised of norms for the eligibility of supervisor
- Revised norms for the number of Scholars per Supervisor based on designation.
- Meeting of the Doctoral Committee once in a year.
- Relaxation in the maximum duration of the Ph.D Programme for the women's Scholars and persons with more than 40% disability.
- Maternity Leave / Child Care Leave for the women scholars

Therefore, all this amendments / Revisions mandated by the UGC are incorporated in the new B.S. Abdur Rahman University Ph.D Regulations 2016.

The above changes were discussed and approved by the Research Board of the University.

The Ph. D regulation 2009 and the Regulation 2016 are given in Annexure 9.4.

The revised regulation – Regulation 2016 will be effective for the batch of students admitted from July 2016 onwards.

The Academic Council may consider and approve the item.

Resolution :

Dr. V. Jagadeesh Kumar suggested that a safety clause enabling the Vice Chancellor to effect any revision in the regulation and also to give exemptions are to be added explicitly in the regulations.

The academic council after deliberations approved the Ph.D. Regulations 2016.

Items moved by the Heads of the Departments and Deans of Schools

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 9.5

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

Item 9.5.1

To approve the revision of curriculum and syllabi for the following programs

M.Tech (Computer Science and Engineering)

M.Tech (Software Engineering)

M.Tech (Network Security) and

M.Tech (Computer Science and Engineering with specialization in Big Data Analytics)

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of the above four M. Tech programs were thoroughly revised. These revisions were discussed in the Board of Studies of the

Department of Computer Science and Engineering and the board recommended their approval.

The curriculum and the detailed syllabus for all the four PG programs are given in Annexure 9.5.1.(a), 9.5.1. (b), 9.5.1.(c) and 9.5.1. (d).

These revisions will be implemented from the Academic Year 2016-17 onwards.

The Academic Council may consider and approve the item.

Resolution :

Members discussed in detail about the Programme M.Tech. (Computer Science and Engineering with specialization in Big Data Analytics)

Dr. V. Jagadeesh Kumar suggested that the nomenclature of the program is confusing and suggested that it can be either M.Tech Computer Science and Engineering or M.Tech Big Data Analysis

After detailed discussion, the above item was approved.

DEPARTMENT OF INFORMATION TECHNOLOGY

Item 9.6

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

Item 9.6.1

To consider and approve the revision of curriculum and syllabi for the following programs

M.Tech. (Information Technology) and

M. Tech (Information Security and Digital Forensic)

Note on Agenda

As part of major revision in the curriculum of PG programs of the University, the curriculum and syllabus of M. Tech Information Technology and M. Tech (Information Security and Digital Forensic) programs were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Information Technology and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the two PG programs are given in Annexure 9.6.1.a and 9.6.1.b.

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion, the above item was approved.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 9.7

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

Item 9.7.1

To consider and approve the revision of curriculum and syllabi for the M.C.A. Program (Master of Computer Applications)

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M.C.A. program were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Computer Applications and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the M.C.A. program is given in Annexure 9.7.1.

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion the above item was approved.

Item 9.7.2

To consider and approve the revision of curriculum and syllabi for the following UG programs

B.C.A. (Mobile Applications and Information Security)

B.C.A. (Cloud Technology and Information Security)

B.Sc. – Computer Science

Note on Agenda

Taking into consideration the recent developments in the field of computer applications and to offer bachelors program with more industry relevance, three undergraduate programs are introduced from this academic year onwards.

The curriculum and syllabus of 3 new UG programmes to be offered by the Department of Computer Applications are formulated and discussed in the Board of Studies of the Department of Computer Applications and the board has recommended their approval.

These programs will be offered from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the above 3 UG programs are given in Annexure 9.7.2.a, 9.7.2.b, and 9.7.2.c.

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion, the above item was approved.

DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCE

Item 9.8

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

Item 9.8.1

To approve the revision of curriculum and syllabi for the program M.Sc. (Actuarial Science)

Note on Agenda

The curriculum and syllabus of M.Sc. (Actuarial Science) program were revised and these were discussed in the Board of Studies of the Department Mathematics and Actuarial Science. The board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the program is given in Annexure 9.8.1.

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion, the above item was approved.

Item 9.8.2

To approve the revision of syllabi of the Mathematics courses for M.Tech Programs

Note on Agenda

The mathematics courses to be offered for M.Tech programs were rationalized across programs. It was decided to offer 5 different Mathematics courses for various M. Tech Programs. These courses and their syllabi were discussed in the Board of Studies of the Department Mathematics and Actuarial Science and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabi for all the program is given in Annexure 9.8.2.

Resolution :

After detailed discussion, the above item was approved.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Item 9.9

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

Item 9.9.1

Approval of revised Curriculum & Syllabi of

M.Tech. (Power System Engineering) and

M.Tech (Power Electronics Drives)

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M. Tech Power System Engineering and M. Tech Power Electronics Drives programs were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Electrical and Electronics Engineering and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the two programs is given in Annexure 9.9.1.a and 9.9.1.b.

The Academic Council may consider and approve the item.

Resolution:

After detailed discussion, the above item was approved.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Item 9.10

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

Item 9.10.1

To consider and approve the revision of curriculum & syllabi of following programs

M.Tech. (Communication Systems) and

M.Tech (VLSI & Embedded Systems)

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabi of M. Tech Communication Systems and M. Tech (VLSI & Embedded Systems) programs were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Electronics and Communication Engineering and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabi for the two programs is given in Annexure 9.10.1.a and 9.10.1.b.

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion the above item was approved.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Item 9.11

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

Item 9.11.1

To consider and approve the revision of curriculum & syllabi of M.Tech. (Electronics and Instrumentation Engineering)

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M. Tech Electronics and Instrumentation

Engineering programs were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Electronics and Instrumentation Engineering and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for all the program is given in Annexure 9.11.1

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion the above item was approved.

Item 9.11.2

To consider and approve the revision of syllabus for the course EIB4105 for B.Tech. (Electronics and Instrumentation Engineering)

Note on Agenda

The syllabus of the course EIB4105 Programmable Logic Controller and Distributed Control System Laboratory for B.Tech Electronics and Instrumentation Engineering was revised thoroughly. The revision was discussed in the Board of Studies of the Department of Electronics and Instrumentation Engineering and the board had recommended the approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The detailed syllabus for the above course is given in Annexure 9.11.2

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion the above item was approved.

SCHOOL OF INFRASTRUCTURE
DEPARTMENT OF CIVIL ENGINEERING

Item 9.12

To consider the recommendations of the board of studies of the Department of Civil Engineering.

Item 9.12.1

To consider and approve of revised Curriculum & Syllabi of

M.Tech. (Structural Engineering) and

M.Tech. (Construction Engineering & Project Management)

Note on Agenda

As part of major revision in the curriculum revision of all PG programs of the University, the curriculum and syllabus of M.Tech. (Structural Engineering) and M.Tech. (Construction Engineering & Project Management) programs were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Civil Engineering and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the two programs is given in Annexure 9.12.1 a and 9.12.1 b

The Academic Council may consider and approve the item.

Resolution :

After detailed discussion the above item was approved.

SCHOOL OF MECHANICAL SCIENCES
DEPARTMENT OF AEROSPACE ENGINEERING

Item 9.13

To consider the recommendation of board of studies of Department of Aerospace Engineering

Item 9.13.1

To approve the revision in the syllabus of B.Tech Aeronautical Engineering

Note on Agenda

Minor modifications in the syllabus of AEB1211 Fluid Mechanics and AEB1212 Introduction to Aeronautical Engineering of B.Tech Aeronautical Engineering program were carried out to make the syllabus up to date, without affecting the curricular structure. The course objectives and outcomes were also redefined.

The revisions were discussed in the Board of Studies of the Department of Aerospace Engineering and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The revised syllabus for the above courses is given in the Annexure 9.13.1

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Item 9.14

To consider the recommendation of Board of Studies of Department of Automobile Engineering

Item 9.14.1

To consider and approve the introduction of following new professional and general electives

Automotive Pollution Control

Motor Vehicle Act and Insurance

Vehicle Maintenance

Note on Agenda

The above general and professional electives were introduced in the B.Tech Automobile Engineering program. The syllabus were thoroughly discussed in the Board of Studies of the Department of Automobile Engineering and the board has recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The detailed syllabus for the above courses is given in the Annexure 9.14.1

The Academic Council may consider and approve the item.

Resolution :

Members discussed in detail the possibility of new professional and general electives that may be offered under the respective departments.

The above item was approved by the Academic Council.

Item 9.14.2

To approve the introduction of Ph.D. level courses

Automotive Chassis

Automotive Engine and Subsystems

Automotive Transmission

Note on Agenda

The above Ph.D. level courses were recommended by the Doctoral Committees of various research scholars of the Department of Automobile Engineering. The syllabus were formulated and discussed in the Board of Studies of the Department of Automobile Engineering and the board has recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The detailed syllabus for the above courses is given in the Annexure 9.14.2

The Academic Council may consider and approve the item.

Resolution :

It was discussed that introduction of the Ph.D. level courses offered in the Department of Automobile Engineering may be offered from the academic year 2016-17.

The above item was approved by the Academic Council.

DEPARTMENT OF MECHANICAL ENGINEERING**Item 9.15**

To consider the recommendations of the Board of Studies of the Department of Mechanical Engineering.

Item 9.15.1

Approval of revised Curriculum & Syllabi of

M.Tech. (CAD-CAM) and

M.Tech. (Manufacturing Engineering)

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M.Tech. (CAD-CAM) and M.Tech. (Manufacturing) programs were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Mechanical Engineering and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the two programs is given in Annexure 9.15.1 a and 9.15.1 b

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

DEPARTMENT OF POLYMER ENGINEERING

Item 9.16

To consider the recommendations of the Board of studies of the Department of Polymer Engineering

Item 9.16.1

Approval of revised Curriculum & Syllabi of M.Tech. (Polymer Technology)

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M.Tech. (Polymer Technology) program were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Polymer Engineering and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the program is given in Annexure 9.16.1.

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

DEPARTMENT OF MANAGEMENT STUDIES

Item 9.17

To consider the recommendations of the Board of studies of the Department of Management Studies

Item 9.17.1

To approve the revision of curriculum and syllabi for the M.B.A. program

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M.B.A. program were also revised. These

revisions were discussed in the Board of Studies of the Department of Management Studies and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the M.B.A. program is given in Annexure 9.17.1

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

Item 9.17.2

To consider and approve the syllabus for the following courses to be offered to other programs

Fundamentals of project management (B.Tech Program)

Entrepreneurship Development (B.Tech Program)

Supply Chain management (B.Tech Program)

Essentials of Management for Computer Professionals (MCA)

Management Functional Areas and Information Systems (MCA)

Note on Agenda

Syllabus for the above mentioned courses were formulated and presented in the Board of Studies of the Department of Management Studies. These revisions were discussed in the Board of Studies of the Department of Management Studies and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the M.B.A. program is given in Annexure 9.17.2

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

SCHOOL OF LIFE SCIENCES

Item 9.18

To consider the recommendations of the Board of studies of the School of Life Sciences

Item for Approval

Item 9.18.1

To consider and approve the revised Curriculum & Syllabi for following programmes

M.Sc. Biotechnology,

M.Sc. Microbiology and

M.Sc. Biochemistry and Molecular Biology

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M.Sc. Biotechnology, M. Sc Microbiology and M. Sc Biochemistry & Molecular Biology were thoroughly revised. These revisions were discussed in the Board of Studies of the School of Life Sciences and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the three programs are given in Annexure 9.18.1.a, 9.18.1.b, and 9.18.1.c.

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

Item for Ratification

Item 9.18.2

To ratify the Curriculum & Syllabi for M. Sc. Sonology

Note on Agenda

A new M. Sc. Sonology program was launched from April 2016. The curriculum and syllabus for the same was already formulated and the same was recommended for approval by the Board of Studies of the School of Life Sciences.

The program was launched from April 2016.

The curriculum and the detailed syllabus is given in Annexure 9.18.2.

The Academic Council may consider and ratify the item.

Resolution :

The above item was ratified by the Academic Council.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

Item 9.19

To consider the recommendations of the Board of Studies of the Department of Physics

Item 9.19.1

To consider and approve the revised Curriculum & Syllabi for M.Sc. Physics

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M.Sc. Physics were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Physics and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the program is given in Annexure 9.19.1

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

DEPARTMENT OF CHEMISTRY

Item 9.20

To consider the recommendations of the Board of Studies of the Department of Chemistry

Item 9.20.1

To consider and approve the revised Curriculum & Syllabi for M.Sc. Chemistry

Note on Agenda

As part of major revision in the curriculum of all PG programs of the University, the curriculum and syllabus of M.Sc. Chemistry were thoroughly revised. These revisions were discussed in the Board of Studies of the Department of Chemistry and the board had recommended their approval.

These revisions will be implemented from the Academic Year 2016-17 onwards.

The curriculum and the detailed syllabus for the program is given in Annexure 9.20.1

The Academic Council may consider and approve the item.

Resolution :

The above item was approved by the Academic Council.

Any other points for discussion

Mr. Ashok Vasudevan explained about the changes that are likely to follow the introduction of GST. He also stressed that Make in India campaign by the Union Government will have big impact in the manufacturing industries all over the Nation. He also stressed the need to have faculty members with Industrial Experience who could bring in real life experiences to class room.

Dr. V. Jagadeesh Kumar informed that the growing importance that is being attributed to the National and International Ranking. He also stated that NIRF has come to stay. In this context he suggested that a separate committee at the University level may be constituted so that the performance in Ranking can be enhanced.

Dr. V. Jagadeesh Kumar also informed the academic council that giving more choice to the students would be a big step forward in any academic reform. He informed the body that in IIT Madras in almost all programmes more than 50% of courses are chosen by the students.

Vote of thanks by Registrar

Registrar thanked all the members of Academic Council Meeting.

During the vote of thanks, Registrar discussed on the suggestions raised by the external experts.

1. Registrar expressed that the suggestion of Mr. Ashok Vasudevan, Festo Controls about the GST and Make in India campaign are very valid. He informed the members that the University is sending at least 20 to 25 faculty members to various industries every academic year.
2. Regarding ranking of the institution, Registrar informed that we have to take it very seriously and constitute a committee to look into each parameter and try to improve.
3. Registrar also informed that we are planning to go for QS BRICS Rankings as outcome of conscious policy of the Board of Management.
4. Registrar also informed that our University is planning to change its name as B.S. Abdur Rahman Crescent University. The University has communicated the same to MHRD and its awaiting for the approval.
5. Regarding the Choice Based Credit System (CBCS) – The Registrar informed the external members, that the University is for implementing a full fledge choice based credit system and will ensure that students are given real choices in selected the course they study. He informed the body that this will be major thrust in the curriculum revision that the University is contemplating in the year 2017.
6. He also thanked Dr. T.R. Rangaswamy, former Dean (AA) for his relentless services. He also thanked the outgoing Academic Council members for their

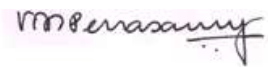
valuable suggestions and cooperation for improvement of the academic programs of the University.

Finally he thanked all the members for their co-operation rendered for the successful conduct of the Ninth Meeting of the Academic Council.



Dr. V. Murugesan

Registrar



Dr. V.M. Periasamy

Vice-Chancellor

**B.S.ABDUR RAHMAN
UNIVERSITY**

B.S.ABDUR RAHMAN INSTITUTE OF SCIENCE & TECHNOLOGY
(Estd.u/s 3 of the UGC Act, 1956)



MINUTES OF THE EIGHTH MEETING

OF THE ACADEMIC COUNCIL

(Corrections incorporated and Finalized)

**B.S. Abdur Rahman University, Convention Centre
July 14, 2015**

Minutes of the Eighth Meeting of the Academic Council

The **Eighth Meeting of the Academic Council** was held on **14th July 2015 at 10.00 AM** in the **Seminar Hall III** of the Convention Centre of B.S. Abdur Rahman University.

The following members attended the meeting:

1. Dr. V.M. Periasamy, Vice Chancellor (officiating)
2. Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University
3. Prof. Thangamuthu, Former Vice Chancellor, Bharathidasan University
4. Mr. Ashok Vasudevan, Managing Director, FESTO Controls Pvt. Ltd.
5. Dr. Jagadesh Kumar, Professor of Electrical & Electronics Engg.,
IIT Madras, Chennai
6. Mr. K. Bhaskar, Technical Manager, Embedur Systems, Chennai
7. Dr. V. Murugesan, Registrar & Director, Sponsored Research & Consultancy
8. Mr. V.N.A. Jalal, Director (Admissions and Campus Development)
9. Dr. I. Mohammed Bilal, Controller of Examinations
10. Dr. T.R. Rangaswamy, Dean (Academic Affairs)
11. Dr. R. Raja Prabu, Dean (Academic Research)
12. Dr. S.S.M. Abdul Majeed, Dean, Student Affairs
13. Dr.M.Murugan, Dean, School of Mechanical Sciences & Head, Department of Mechanical Engineering
14. Dr. S. Kaja Mohideen, Dean, School of Electrical & Communication Sciences
15. Ar. S. Ravi, Dean, Crescent School of Architecture
16. Dr. I.B. Shameem Banu, Dean, School of Physical and Chemical Sciences
17. Dr. A. Shahin Sultana, Dean, School of Social Sciences and Humanities
18. Dr. P. Syed Masood, Dean, School of Islamic Studies
19. Dr. S. Hemalatha, Dean, School of Life Sciences
20. Mr. T. Rangarajan, Dean, Crescent Business School
21. Dr. S. Prince Arockiadoss, Director, International Collaboration
22. Dr. M.S.Haji Sheik Mohamed, Professor and Head, Department of Civil Engineering
23. Dr. P.K.Jawahar, Professor and Head, Department of Electronics and Communication Engineering

24. Dr. Sharmila Sankar, Professor and Head, Department of Computer Science and Engineering
25. Dr. Latha Tamilselvan, Professor and Head, Information Technology
26. Dr. M. Subramanian, Professor and Head, Automobile Engineering
27. Dr. P. Vasantha Kumar, Professor and Head, Aerospace Engineering
28. Dr. K.N. Srinivas, Professor and Head, Electrical and Electronics Engineering
29. Dr. D. Najumnissa Jamal, Professor and Head, Department of Electronics & Instrumentation Engineering
30. Dr. A. Jaya, Professor and Head, Computer Applications
31. Dr. P.S. Sehk Uduman, Professor and Head, Department of Mathematics and Actuarial Sciences
32. Dr. I. Raja Mohamed, Professor and Head, Department of Physics
33. Dr. D. Easwaramoorthy, Professor and Head, Department of Chemistry
34. Dr. Revathy Viswanathan, Professor and Head, Department of English
35. Dr. Angelina Geetha, Professor, Computer Science and Engineering
36. Dr. Haider Yasmeen, Professor, Crescent Business School
37. Dr. S.Kutti Rani , Professor, Chemistry
38. Dr. R. Rajaraman, Professor, Mechanical Engineering
39. Dr. W. Aisha Banu, Professor, Computer Science and Engineering
40. Dr. N. Hajara Beevi, Professor, Chemistry
41. Dr. C. Tharini, Professor, Electronics and Communication Engineering
42. Dr. U. Sabura Banu, Professor, Electronics and Instrumentation Engineering
43. Dr. S. Srinivasan, Professor, Mathematics and Actuarial Sciences
44. Dr. E. Rajakuperan, Professor, Aerospace Engineering
45. Ms. T. Nagamalar, Associate Professor, Computer Science and Engineering
46. Ms. Nasreen Kaleem, Associate Professor, Mechanical Engineering
47. Ms. X. Arputha Rathna, Associate Professor, Computer Science and Engineering
48. Ms. S. Shahar Banu, Asst Professor (Sel.Gr.), Computer Applications
49. Ms. K. Yogeswari, Assistant Professor (Sel.Gr.), Crescent School of Architecture
50. Mr. Y. Mohamed Shuaib, Assistant Professor (Sel.Gr.), Electrical & Electronics Engineering
51. Mr. F. Abubecker, Assistant Registrar and Public Relations Officer

Special Invitee:

1. Dr. S.K.G. Ganesh, Professor, Crescent Business School

Leave of absence was granted to the following members as they have expressed their inability to attend the meeting due to their preoccupation.

1. Mr. Abdul Qadir A. Rahman Buhari, Chairman, Board of Management
2. Prof. S.P. Thyagarajan, Former Vice Chancellor, University of Madras
& Pro-Chancellor (Research) Sri Ramachandra University
3. Dr. K. Sriram, Manager, Composite Material Behaviour, GE India Technology Centre
4. Dr.M.V.Moly Kutty, Dean, School of Infrastructure Sciences

Vice Chancellor welcomed all the members' especially external experts. He also profusely thanked the services rendered by outgoing members. He presented the salient features of this University including the critical parameters or attaining excellence.

Followed by the welcome address by Vice Chancellor, Dean (Academic Affairs) presented a brief report on the development and Academic activities of the University between previous Academic Council meeting which was held on July 10, 2014 and as on July 14, 2015.

Discussions

Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University, external member appreciated the overall admissions. He pointed out the decline in the admission of students is reduced in MBA programme when compared to last year. He emphasized to investigate the reason and take corrective measures to improve the admission not only in MBA but also in other UG and PG programmes.

In response to that, Vice Chancellor informed that the general trend for admission to B.Tech programs in all institutions is low in Tamil Nadu. Even for government counseling the response was poor. He also informed that advertisement was released for admission to PG programmes. It is expected that admissions to PG programmes will improve after Anna University counselling.

Registrar told that, result of UG programme in Arts and Science are yet to be declared. After declaration of results, admissions are likely to improve for MBA. The visibility of our Institution has increased after the open house exhibition, newspaper advertisements, digital advertisement, social media advertisements, etc.

Prof. Thangamuthu, Former Vice Chancellor, Bharathidasan University suggested to start programmes like B.Com, M.Com. and B.Sc, in Science programs. He also emphasized to

reformulate the vision documents for the betterment of this institution. He also instructed to look into and review the recommendations of NAAC. He suggested to pay special attention to improve the visibility and image building of the institution as it is a continuous process.

Mr. Ashok Vasudevan, Managing Director, FESTO Controls Pvt. Ltd. appreciated the approach of the Chairman to transform the University to the next higher level. He further informed to give appropriate skills to make the students employable in reputed industries. He requested to include leadership quality skill in the teaching-learning process. He also suggested to start UG level arts and science programs.

Dr. Jagadesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, Chennai suggested to follow broad based admission policy to improve admission in the University.

Mr. K. Bhaskar, Technical Manager, Embedur Systems, Chennai welcomed the policy of transforming this Institution to the next higher level by suitably implementing the new parameters.

After discussion on the brief report the agenda items were considered in the following order.

ITEM 8.1

To confirm the Minutes of the Seventh meeting of the Academic Council held on 10th July 2014.

Note on Agenda:

The seventh meeting of the Academic Council was held on 10.7.2014 at 10.00 am in the Seminar Hall-III of, B.S. Abdur Rahman University. The Minutes of the meeting was communicated to all the members and no comments were received.

Hence, the Academic Council may confirm the Minutes of the meeting. The minutes of the seventh meeting of the Academic Council is enclosed in ***Annexure 8.1***.

Resolutions:

As there were no comments received from members, the minutes of the seventh Academic Council was confirmed.

ITEM 8.2

To consider and approve the Action Taken Report on the above Minutes.

Note on Agenda:

The action taken report for the minutes of the Seventh Academic Council meeting held on 10.7.2015 is enclosed as **Annexure 8.2**.

The Academic Council may peruse and record the same.

Resolutions:

After discussions the Action Taken Report of the Seventh Academic Council was recorded.

RATIFICATIONS AND APPROVALS

ACADEMIC

ITEM 8.3

To consider the following three Academic items for Ratification and one item for Approval.

Items for Ratification

Item 8.3.1

To consider and ratify the amendment with regard to Attendance requirement in Clause 15.0 of B.Tech. Regulation, 2013 and Clause 11.0 of M.Tech./M.Sc./MCA Regulation, 2013.

Note on Agenda:

Monitoring the course-wise attendance and prescribing the course-wise attendance as eligibility in programmes is considered as a best practice in place of reckoning the overall attendance taken together. Hence, the course-wise attendance was introduced during Academic semester starting from December 2014 onwards and the same was implemented for all UG and PG programmes. The modified regulation to this effect is given in **Annexure 8.3.1**.

Academic Council may consider and ratify this item.

Resolutions:

All members welcomed the introduction of course-wise Attendance procedure. Dr. Jagadesh Kumar, Professor, suggested to include that the students should earn 100% attendance subject to the relaxation of 25% in each course.

Dr. Ravi, Dean, CSA, informed that the same procedure should be implemented for B.Arch. programme also.

After detailed discussions the above item was ratified for all UG and PG programmes including B.Arch. programme from December 2014 onwards.

Item 8.3.2

To consider and ratify the Annual Quality Assurance Report (AQAR) of the IQAC

Note on Agenda:

Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realization of the goals of quality enhancement. The Annual Quality Assurance Report (AQAR) may be part of the Annual Report.

The NAAC Accredited institutions need to submit the AQAR regularly to NAAC.

As per NAAC the IQACs should create an exclusive window on its institutional website and regularly upload/ report on its activities, as well as for hosting the AQAR. Accordingly the AQAR was uploaded in BSAU website in June 2015.

The AQAR shall be approved by the statutory bodies for the follow up action for necessary quality enhancement measures.

The Annual Quality Assurance Report (AQAR) is given in **Annexure 8.3.2**.

The Academic Council may consider and ratify this item.

Resolutions:

Prof. Thangamuthu, Former Vice Chancellor, Bharathidasan University, advised to follow the action plan seriously for Quality enhancement.

The above item was ratified by the Academic Council.

Item 8.3.3

To consider and ratify the nomination of the specialist for the Academic Council

Note on Agenda:

The following members were nominated as specialists to offer guidance and support for the effective functioning of the Academic Council by the Vice Chancellor, pending ratification from Academic Council.

1. Mr. Ashok Vasudevan,
Managing Director
FESTO Controls Private Limited
Global Production Centre, Bangalore
2. Dr. K. Sriram
Manager – Composite Material Behaviour
GE India Technology Centre Pvt. Ltd., Bangalore
3. Dr. Jagadesh Kumar
Professor of Electrical & Electronics Engg.
IIT Madras

The Academic Council may consider and ratify this item.

Resolutions:

Academic Council accepted and ratified the above item.

Item for Approval

Item 8.3.4

To consider and approve the revision of Regulation 2013 for MBA programme

Note on Agenda:

More details with regards to Class Advisor, Faculty mentors, Attendance requirement, Assessments, Evaluation methods are added on par with other PG programs. The revised regulation is enclosed in **Annexure 8.3.4**.

The Academic Council may consider and approve this item.

Resolutions:

Dean (Academic Affairs), Dean (CBS), Prof. S.K.G. Ganesh of CBS gave salient features of the revised regulations of MBA programme.

*This regulation will be implemented from 2015-16 batch onwards.
After discussion the Academic Council approved the above item.*

ACADEMIC RESEARCH

ITEM 8.4

To consider and ratify the recommendations of the Research Board.

Items for Ratification

Item 8.4.1

To consider and ratify the norms for the appointment of examiners for Ph.D thesis evaluation.

Note on Agenda:

As per Clause 20.1 of Ph.D Regulations 2009, the Ph.D thesis shall be referred to two examiners (one from India and another from Abroad) nominated by the Vice Chancellor from the Panel of examiners recommended by the Doctoral Committee. The Vice Chancellor may also nominate the examiners from outside the panel.

Of late, it has been observed that some of the Doctoral Committees have recommended relatively Junior examiners without much of publications to their credit.

It was decided that the proposed foreign examiner may preferably be chosen from a premier university and shall have minimum of 10 research publications in refereed / indexed journals. The academic services put in by the examiner shall also be taken in to consideration, before recommending the name of the examiner.

This item has been already approved by the Research Board and Chairman of the Academic Council.

The Academic Council may consider and ratify this item.

Resolutions:

Dr. Jagadesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, informed that not to discriminate between junior and senior Examiners.

He also suggested to continue one foreign examiner for thesis evaluation as the same is followed in IIT, Madras

The above item was ratified by the Academic Council.

Item 8.4.2

To consider and ratify the “revision” of Publication requirements for Approved Supervisorship.

Note on Agenda:

It has been pointed out that, while the norm for submission of synopsis is two publications, the eligibility norm for ‘approved supervisorship’ is one publication. Hence, the members suggested to review the Clause 7.1, of our Ph.D Regulation accordingly.

It was also discussed that such norm was practiced, so as to induct all the Ph.D holders of our university as “Approved Research Supervisors”. In addition, no external persons are allowed to act as approved supervisors for our B.S. Abdur Rahman University.

After discussing the agenda item in detail, the Research Board decided to recommend to the Vice Chancellor, the following amendment in Clause 7.1 of Ph.D Regulation 2009.

The applicant for recognition as Supervisor, shall satisfy the following:

- I. Shall be a full time working member of this University.
- II. Shall possess a Ph.D. Degree.
- III. Shall have a minimum of two publications to his / her credit in refereed journal(s).

This item has been already approved by the Research Board and Chairman of the Academic Council.

The Academic Council may consider and ratify this item.

Resolutions:

The Academic Council ratified this item.

Item 8.4.3:

To consider and ratify the conduct of Ph.D admissions “twice” a year, i.e. during Jan & July of every year.

Note on Agenda:

It was brought to the attention of the Research Board of the difficulties of Science graduates, in submitting the applications for Ph.D programme on time.

It is also noted that the results of the final year “Arts & Science post graduate programmes” are getting published only during the month of August every year. Because of which, the candidates were not able to submit the Ph.D application on time, for July session. In addition, these interested candidates need to wait for one more year, as we started conducting the Ph.D admission only once in a year.

Hence, suggestions were made to bring back the practice of Ph.D admission(s) twice a year.

- In addition this university was practicing the same earlier.
- After discussing this agenda item in detail, the Research Board decided to recommend to the Vice Chancellor to bring back the practice of organizing the Ph.D admissions, two times a year, i.e., during Jan & July of every year, starting from July 2015.

This item has been already approved by the Research Board and Chairman of the Academic Council.

The Academic Council may consider and ratify this item.

Resolutions:

Dr. Jagadesh Kumar, Professor of Electrical & Electronics Engg., IIT Madras, emphasized to have Ph.D admissions round the year subject to the approval of the research board. Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University, insisted to follow UGC norms for admission to Ph.D programme.

The Academic Council ratified this item.

SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ITEM 8.5

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

Item for Ratification

Item 8.5.1

To consider and ratify the inclusion in the following new elective in B.Tech (Computer Science & Engineering) programme and to be implemented from Even Semester (December 2014) of the Academic Year 2014-15

Note on Agenda:

With the growing technology and change in the trends of IT field, it is found necessary to add courses on cutting edge technology as elective courses. Also to stay in par with the industry needs, it is preferred to extend the elective list. Students also requested for new technology related subjects. The syllabus is enclosed in **Annexure 8.5.1**.

List of electives placed for approval were

- CSBX08 - Cloud Computing
- CSBX22 - Introduction to Big data
- CSBX24 - Information retrieval
- CSBX30 - Web Mining

After discussion, the Board of Studies resolved to ratify the above courses and recommended the same to the Academic Council for ratification.

The Academic Council may consider and ratify this item.

Resolutions:

The Academic Council ratified the above item.

Items for Approval

Item 8.5.2

To consider and approve the revision of the syllabi contents of the certain courses in M.Tech (Computer Science & Engineering), M.Tech (Software Engineering), M.Tech (Network Security), M.Tech (Computer & Predictive Analytics) and B.Tech (Computer Science & Engineering) Programmes.

Note on Agenda:

Based on the feedback from the staff members, the following courses have been revised with minor changes without affecting the objectives of the courses.

Course Code	Course Name	Programme
CSB6102	Computer Architecture	M.Tech (Computer Science & Engineering)
CSB6211	Database Technology	M.Tech (Computer Science & Engineering)
CSB6212	Network Security	M.Tech (Computer Science & Engineering)
CSB7201	Software project management	Common to M.Tech (CSE, SE, NS, CPA)
CSB6233	Software Testing and Quality Assurance	M.Tech (Software Engineering)
CSB3212	Introduction to compiler construction	B.Tech (Computer Science & Engineering)
CSB1211	Analog and Digital Communication	B.Tech (Computer Science & Engineering)
CSB3106	Case tools lab	B.Tech (Computer Science & Engineering)

After going through the contents of topics in all the courses the Board of Studies approved the revisions, which will be implemented from the Academic year 2015-16. The syllabus is enclosed in **Annexure 8.5.2**.

The Academic Council may consider and approve the item.

Resolutions:

Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University, informed that the justification of revision of syllabus and also the modified contents should be clearly pointed out. He also told that the change should be not only because of faculty feedback but also the other reasons like feedback from stake holders, industry standards, thrust area, skill oriented, etc.

Registrar acknowledged and also informed that the reason for any change in curriculum and syllabus will be specified suitably.

After discussions the Academic Council approved the above item.

Item 8.5.3

To consider and approve the introduction of new elective courses for B.Tech (Computer Science and Engineering) programme with effect from the Academic year 2015-16 onwards.

Note on Agenda:

The following courses were suggested by staff members and decided to add as electives in B.Tech (Computer Science and Engineering) programme to provide an opportunity for the students to choose higher level electives to improve their technical skills and placement opportunities. The syllabus is enclosed in **Annexure 8.5.3**

- **CSBX15 - Internet of Things**
- **CSBX47 - Multicore Architecture**

The Board of Studies approved and recommended the same to the Academic Council for approval.

The Academic Council may consider and approve the item.

Resolution:

Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University, pointed out that proper analysis should be carried out in the right direction.'

Mr. Ashok Vasudevan, Managing Director, FESTO Controls Pvt. Ltd., informed that industry and feedback is also necessary for the introduction of new courses. In response to that Dr. R. Raja Prabu, Dean (Academic Research) told that each and every school has got advisory committee. In that Alumni, Industrial expert, Parent are all one of the members. The feedback also collected from them for any academic activity.

After discussions the Academic Council approved the above item.

Item 8.5.4

To consider and approve the modification in course objectives and course outcomes of B.Tech (Computer Science & Engineering), M.Tech (Computer Science and Engineering), M.Tech (Software Engineering) and M.Tech (Network Security) and M.Tech (Computer & Predictive Analytics) programmes.

Note on Agenda:

Based on the feedback from the staff members who handled the courses, the course objectives and course outcomes have been revised after conducting a meeting with the faculty who have handled the courses.

The Board of Studies approved and recommended the same to the Academic Council for approval.

The Academic Council may consider and approve the item.

Resolution:

The Academic Council approved the above item.

DEPARTMENT OF INFORMATION TECHNOLOGY

ITEM 8.6

To consider the recommendations of the Board of Studies of the department of Information Technology.

Item for Ratification

Item 8.6.1

To consider and ratify the revision of syllabus for the courses of the programme M.Tech. Information Technology

Note on Agenda:

The syllabi for the courses ITB6213 Web Services and ITBY09 Wireless Networks were revised and approved by the Chairman, Academic Council pending approval from Academic Council. The courses were offered in December 2014. The syllabus is given in **Annexure 8.6.1**.

Academic Council may ratify the above item.

Resolution:

The Academic Council ratified the above item.

Items for Approval

Item 8.6.2

To consider and approve the revision of syllabus - Web Technology Lab in B.Tech (Information Technology)

Note on Agenda:

In order to enhance the contents of the syllabus as per industry standard, Web Technology lab course has been revised without affecting the objective of the course and given in **Annexure 8.6.2.**

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.6.3

To consider and approve the inclusion of elective courses for B.Tech (Information Technology) programme

Note on Agenda:

The following two courses were suggested by the staff members and this may be added as electives in B.Tech (Information Technology) programme to provide an opportunity for the students to choose higher level electives to improve their technical skills and placement opportunities. The syllabus is given in **Annexure 8.6.3.**

1. ITBX29 - Cryptography and Network Security
2. ITBX30 - Information Coding Techniques

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.6.4

To consider and approve the revision of the syllabus - ITBY01 Advanced Database Management System of M.Tech. (Information Technology)

Note on Agenda:

The syllabus for the course ITBY01 - Advanced Database Management System was modified and also given in **Annexure 8.6.4**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.6.5

To consider and approve the inclusion of elective courses in M.Tech. (Information Technology)

Note on Agenda:

The following courses were suggested by staff members and added as electives in M.Tech (Information Technology) programme to provide an opportunity for the students to choose higher level electives to improve their technical skills and placement opportunities and given in **Annexure 8.6.5**.

1. ITBY26 - Multimedia Communication Networks
2. ITBY27 - Adhoc and Sensor Networks
3. ITBY28 - Multicore Architecture
4. ITBY29 - Virtualization Techniques
5. ITBY30 - Ontology and Semantic Web
6. ITBY31 - Principles of Programming Languages
7. ITBY32 - Big Data Analytics

The Academic Council may consider and approve the above item.

Resolution:

The Academic Council approved the above item.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ITEM 8.7

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

Item for Ratification

Item 8.7.1

To consider the ratify the introduction of new elective courses in M.Tech. (Communication Systems) and M.Tech. (VLSI & Embedded Systems) in the department of Electronics and Communication Engineering.

Note on Agenda:

The following elective courses were introduced as suggested by the members of board of studies conducted by the department of Electronics and Communication Engineering. It is recommended to the Academic Council for ratification. The syllabus is given in ***Annexure 8.7.1.***

Course Code	Course Name	Programmes
ECBY46	Evolutionary Computation	M.Tech – VLSI & Embedded System
ECBY47	Microstrip Antennas	M.Tech. – COS

The Academic Council may consider and ratify this item.

Resolution:

The Academic Council ratified the above item.

Items for Approval

Item 8.7.2

To consider and approve the minor revision carried out in certain theory, lab and elective courses for B.Tech. Electronics and Communication Engineering programme

Note on Agenda:

Minor modifications were carried out to update the contents of the syllabus in the following courses

Semester II

ECB1211 Network Analysis and Synthesis
ECB1212 Electron Devices
ECB1213 Electron Devices Lab

Semester III

ECB2101 Electronic Circuit I
ECB2104 Electronic Circuit I Lab

Semester IV

ECB2211 Electronic Circuit II
ECB2212 Digital Electronics
ECB2213 Analog Communication
ECB2215 Digital Electronics Lab
ECB2217 Communication Engineering Lab I

Semester V

ECB3103 Microprocessors and Microcontrollers
ECB3104 Transmission Lines and Antennas
ECB3106 Communication Engineering Lab II
ECB3107 Microprocessors and Microcontroller Lab

Semester VI

ECB3211 RF and Microwave Engineering
ECB3212 VLSI Design
ECB3214 VLSI Lab
ECB4105 Networks Lab
ECB4106 Embedded Systems Lab

Elective Courses

ECBX03 Telecommunication Switching Networks
ECBX05 Satellite Communication
ECBX17 Advanced Digital Signal Processing
ECBX19 DSP Architecture and Programming

The revised syllabuses for these courses are given in the **Annexure 8.7.2.**

Board of Studies approved and recommended the same to the Academic Council.

The Academic Council may consider and approve this item.

Resolution:

Mr. K. Bhaskar, Technical Manager, Embedur Systems, Chennai, informed that the naming of the course like Lab I, Lab II, etc. should be avoided.

After discussions, the Academic Council approved the above item.

Item 8.7.3

To consider and approve the introduction of new laboratory course and modification of syllabi for certain courses in M.Tech (Communication Systems) programme

Note on Agenda:

As suggested by the members of board of studies, the following changes recommended.

- Course ECB6103 - Modern Digital Communication Techniques is renamed as ECB6107 - Advanced Digital Communication Techniques is introduced in Semester I.
- ECB6105 - Communication System lab I is renamed as Communication System Lab
- .ECB6215 Communication System Lab II is replaced with ECB6217 - RF and Microwave Lab along with contents modifications.
- ECB6218 Mobile Communication Lab is introduced in Semester II

Minor modifications are carried out in the syllabi of the following theory courses.

Semester II

ECB6211 Mobile Communication Networks

ECB6212 Satellite Communication

ECB6213 Microwave Integrated Circuits

Elective Course

ECBY05 High Performance Communication Networks

ECBY11 Wireless Communications

ECBY17 Wireless Sensor Network

ECBY18 RF System Design

ECBY19 MIMO Systems

The curriculum and the revised syllabus of the courses are given in **Annexure 8.7.3**.

Board of Studies approved the above item and recommended to the Academic Council.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

ITEM 8.8

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

Item for Ratification

Item 8.8.1

To consider and ratify the modifications in the syllabus of the elective course EIBY32– Applied Programmable Logic Control and Distributed Control Systems for M.Tech (Electronics and Instrumentation Engineering).

Note on Agenda:

The syllabus of the elective course had more of communication protocols of PLC only. In order to meet the industrial needs the Distributed Control Systems and its Communication is included. Hence, the syllabus is revised and modified and is recommended by the board by studies for ratification by the Academic Council. The modification in this course will be applicable from the academic year 2014-15 onwards. The syllabus is enclosed in **Annexure 8.8.1**.

The Academic Council may consider and ratify this item.

Resolution:

The Academic Council ratified the above item.

Items for Approval

Item 8.8.2

To consider and approve the modification of syllabus made in some of the courses in M.Tech (Electronics and Instrumentation Engineering) programme

Note on Agenda:

Minor modifications in the syllabus for the following courses were carried out to enhance the effectiveness of the course

- EIB6103 – Process Control
- EIB6212 – Instrumentation System Design
- EIBY21 – Applied Analytical Instrumentation
- EIBY063 – Applied soft computing for Process Modeling, Control and Optimization

The above items were approved by the board of studies and recommended to the Academic Council for approval and will be applicable from the academic year 2015-16 onwards. The syllabus is enclosed in **Annexure 8.8.2**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.8.3

To consider and approve the modification of syllabus made in certain courses in B.Tech (Electronics and Instrumentation Engineering) programme and introduction of new general elective course – common to other branch of study.

Note on Agenda:

Minor modifications in the syllabus for the following courses were carried out to enhance the effectiveness of the course

- EIB2104 – Transducer Laboratory
- EIB2212 – Electronic Instrumentation
- EIB2216 - Industrial Instrumentation Laboratory- I
- EIB3101 – Control System is revised and modified.
- EIB3105 – Control System Laboratory
- EIB3214– Process Control Laboratory
- EIB4102 – Programmable Logic Control and Distributed Control System
- EIB4105 – Programmable Logic Control and Distributed Control System Laboratory
- EIB4106 – Computer Control of Process Laboratory

The enhancement in this course will be applicable from the academic year 2015-16 onwards.

Introduction of general elective

A general elective course in Plant Engineering is developed in consultation with the alumni who are working in reputed Industries.

The syllabus is given in **Annexure 8.8.3**.

The above items were approved by board of studies and recommended to Academic Council for approval.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

SCHOOL OF INFRASTRUCTURE

DEPARTMENT OF CIVIL ENGINEERING

ITEM 8.9

To consider the recommendations of the board of studies of the department of Civil Engineering.

Item for Ratification

Item 8.9.1

To consider and approve ratification of special electives in the curriculum and syllabi of M.Tech. Construction Engineering & Project Management

Note on Agenda:

In order to facilitate the Ph.D. scholars to study special courses, the following courses were introduced to the Ph.D. scholars of the department in M.Tech. Construction Engineering and Project Management curriculum from January 2015 onwards.

Sl. No.	Course Code	Course Title	L	T	P	C
1.	CEBY79	Ground Water and Drainage Engineering	3	0	0	3
2.	CEBY80	Geospatial Applications for Agriculture and Forestry	3	0	0	3
3.	CEBY81	Advanced Oxidation Process	3	0	0	3
4.	CEBY82	Environmental Reaction Engineering	3	0	0	3
5.	CEBY83	Environmental Bio Technology	3	0	0	3

The syllabi for the above mentioned courses are enclosed in **Annexure 8.9.1**.

The changes in curriculum & syllabus was approved by the board of studies and recommended to the Academic Council for approval.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council ratified the above item.

Items for Approval

Item 8.9.2

To consider and approve changes in the curriculum & syllabus of B.Tech. Civil Engineering

Note on Agenda:

For the students to have practical exposure, a new course “CEB4109 - Industrial Internship” is introduced in the VII semester. Industrial training will be undertaken during third year summer vacation for 30 days. The credit will be awarded in the 7th Semester.

The introduction of the new course was approved by the Board of Studies and recommended to the Academic Council for approval.

The curriculum is given in the **Annexure 8.9.2**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.9.3

To consider and approve changes in the curriculum and syllabus of M.Tech. Construction Engineering & Project Management

Note on Agenda:

- The courses “CEB6121 – Modern Construction Materials” and “CEB 6122 – Modern Construction Practices” are removed from I semester. Instead the course “CEB6127 – Modern Construction Materials & Practices” is introduced.

- The Course “CEB6233 - Construction Equipment & Management” is moved from II semester to I Semester in the Curriculum, for Academic Convenience.
- The courses “CEB6125 – Computational Laboratory I” and “CEB6235 – Computational Laboratory II” are removed from the curriculum. Instead both the courses are combined and renamed as “CEB6129 – Computational Laboratory” and is introduced in the I semester.
- To enhance the knowledge of students in “Shoring, Scaffolding and Formwork”, a new course named “CEB6237 - Shoring, Scaffolding and Formwork” is introduced in the curriculum in II Semester.
- “CEB6238 - Construction Materials Laboratory” is introduced in the II semester so that the students are exposed to the material testing.
- For the students to have practical exposure, a new course CEB7123 “Industrial Internship” is introduced in the VII semester . Industrial training will be undertaken during first year summer vacation for 30 days. The credit will be awarded in the 3rd Semester
- The courses such as “CEBY84 - Green Concepts in Building Environment” and “CEBY85 - Low Cost Housing” are newly added as elective courses.
- The content of the syllabus for the Course “CEB7122 – Financial Accounting and Management” is revised based on the suggestion from expert members, course handling faculty and students.

The revised curriculum for M.Tech. (Construction Engineering and Project Management) - Full time is enclosed in **Annexure 8.9.3**

The changes in curriculum & syllabus was approved by the Board of Studies and recommended to the Academic Council for approval.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.9.4

To consider and approve changes in the curriculum and syllabus of M.Tech. Structural Engineering

Note on Agenda:

The syllabus of the course “CEB6215 – Earthquake Engineering Laboratory” is revised incorporating more analysis aspects.

For the students to have practical exposure, a new course CEB7102 - Industrial internship” is introduced in the III semester. Industrial training will be undertaken during first year summer vacation for 30 days. The credit will be awarded in the 3rd Semester

The revised curriculum for M.Tech. (Structural Engineering) - Full time is enclosed in **Annexure 8.9.4**

This was approved by the Board of Studies and recommended to the Academic Council for approval.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

SCHOOL OF MECHANICAL SCIENCES

DEPARTMENT OF AEROSPACE ENGINEERING

ITEM 8.10

To consider the recommendation of board of studies of department of Aeronautical Engineering

Items for Approval

Item 8.10.1

To consider and approve the minor modifications in the syllabus and course objective

Note on Agenda:

In the syllabi of courses, AEB2214 - Aircraft Systems and Instrumentation & AEBX12 - Behaviour of Materials at High Temperatures, minor change in the form of addition of case studies in Module VI was proposed.

Outcomes of the courses, AEB2101 - Solid Mechanics, AEB2103 - Introduction to Manufacturing Processes, were modified. These modifications were approved by the board of studies.

The syllabus is enclosed in **Annexure 8.10.1**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.10.2

To consider and approve the introduction of PhD level courses and their syllabi in the department of Aerospace Engineering

Note on Agenda:

Syllabi for the following six PhD level courses were developed:

- AEB900 - CFD for Aerospace Applications,
- AEB901 - Advanced Measurement Techniques in Fluid Mechanics,
- AEB902 - Combustion in Aerospace Propulsion,
- AEB903 - Unsteady Aerodynamics and Aeroelasticity of Turbo machinery,
- AEB904 - High Temperature Gas Dynamics
- AEB905 - Advanced Propulsion Systems

The syllabus is given in **Annexure 8.10.2**.

The course AEB900 – CFD for Aerospace Applications was introduced and offered in January 2015.

The academic council may consider and ratify the course AEB 900 – CFD for Aerospace applications and approve the other five courses.

Resolution:

The course “AEB900 – CFD for Aerospace Applications” was introduced and offered in January 2015, and the syllabus for the course “AEB900 – CFD for Aerospace Applications” was approved by the Chairman, Board of Studies on 4.2.2015 pending ratification from the Academic Council. Hence the present academic council ratified the above course.

Further, all other courses mention in the above item were approved by the present academic council.

DEPARTMENT OF AUTOMOBILE ENGINEERING

ITEM 8.11

To consider the recommendation of Board of Studies of department of Automobile Engineering

Items for Approval

Item 8.11.1

To consider and approve the revision of Curriculum & syllabus for the B.Tech. Automobile Engineering

Note on Agenda:

The syllabus, objectives and outcomes for the following courses of B.Tech. Automobile programmes were revised and modified. Also, the References and Text Books were updated. The modified syllabus is given in **Annexure 8.11.1**. The same will be implemented from the Academic year 2015-16 onwards.

S. No	Semester	Subject Code	Subject Name
1	V	AUB3101	Two & Three Wheelers
2		AUB3102	Design of Machine elements
3		AUB3105	Engine Components Lab *
4	VI	AUB3212	Design of Automotive Components
5		AUB3213	Automotive Electrical & Electronics
6	VII	AUB4102	Automotive Transmission
7		AUB4103	Engine Management system and emission control
8	Professional Elective	AUBX01	Finite Element Methods for Automotive Applications

*** This syllabus is restructured to enable the project based learning**

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.11.2

To consider and approve the Introduction of New General Elective course on Transport Management

Note on Agenda:

A new elective on GEBX18 - Transport Management has been introduced as General Elective by the department of Automobile Engineering.

The board of studies of the department of Automobile Engineering had gone through the syllabi and recommended the same for the necessary approval by Academic Council of the University.

The syllabi will be effective from the academic year 2015-16 onwards.

The approved syllabus for the above course is given in **Annexure 8.11.2**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.11.3

To consider and approve the syllabi for Ph.D level course

Note on Agenda:

The following Ph.D level course was suggested by a doctoral committee for a Ph.D scholar in the department of Automobile Engineering.

S.No.	Course Code	Course Name
1	AUBY10	Automotive Material characterization
2	AUBY09	Modeling of I.C. Engine Processes
3	AUBY08	Vehicle Design
4	AUBY11	Modeling and analysis of vehicle systems

The board of the studies of the department of Automobile Engineering has approved the syllabus and recommended the same for the approval by the Academic Council of the University. The syllabus will be applicable from the academic year 2015 – 16 onwards.

The syllabus for the above Ph.D level courses is given in **Annexure 8.11.3**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.11.4

To consider and approve the Introduction of additional professional elective courses for B.Tech. Automobile Engineering programme

Note on Agenda:

Two new professional elective courses on **AUBX27 - Modern and Intelligent Vehicle Systems and AUBX28 - Motorsport Engineering** have been introduced as professional elective courses for the B.Tech. Automobile Engineering programme.

The board of studies of the department of Automobile Engineering had gone through the syllabi and recommended the same for the necessary approval by Academic Council of the University.

The syllabi will be effective from the academic year 2015-16 onwards.

The approved syllabus for the above course is given in **Annexure 8.11.4**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

DEPARTMENT OF MECHANICAL ENGINEERING

ITEM 8.12

To consider the recommendations of the Board of Studies of the department of Mechanical Engineering.

Item for Ratification

Item 8.12.1

To consider the ratification of syllabus for Ph.D level course

Note on Agenda:

The following Ph.D level course was suggested by a doctoral committee for a Ph.D scholar in the department of Mechanical Engineering.

S.No.	Course Code	Course Name	No. of Credits
1	MEZ 929	Powder Metallurgy	3

The Board had gone through the syllabus and ratified the implementation and forwarded the same for subsequent ratification by the academic council.

The syllabus for the above course will be applicable from the academic year 2014-15 onwards. The syllabi are enclosed in **Annexure 8.12.1**.

The Academic Council may consider and ratify this item.

Resolution:

The Academic Council ratified the above item.

Items for Approval

Item 8.12.2

To consider and approve the modifications in the syllabus of B.Tech. Mechanical Engineering programme

Note on Agenda:

The Board of studies of the Department of Mechanical Engineering has approved certain changes in the syllabus of the following courses in the B.Tech Mechanical Engineering program with emphasis on outcome based education and recommended the same for the necessary approval by Academic Council of the University

MEB 3101	Metal Cutting and Machine Tools
MEB 3102	Transmission Systems Design
MEB 3106	Thermal Engineering lab
MEB 3211	Heat and Mass Transfer
MEB 3213	Metrology and Mechanical Measurements
MEB 3214	Heat Transfer Lab
MEB 3216	Metrology and Mechanical Measurements Lab
MEB 4101	Energy Conversion Systems
MEB 4106	CNC Lab
MEB 4107	Automobile Engineering Lab

The changes syllabus will be effective from the academic year 2015-16 onwards.

The approved syllabus for the above courses is given in **Annexure 8.12.2**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.12.3

To consider and approve the Introduction of New General Elective course on Advanced Optimization Techniques

Note on Agenda:

A new elective on Advanced Optimization Techniques has been introduced as General Elective by the department of Mechanical Engineering.

The board of studies of the department of Mechanical Engineering had gone through the syllabi and recommended the same for the necessary approval by Academic Council of the University.

The syllabi will be effective from the academic year 2015-16 onwards.

The approved syllabus for the above course is given in **Annexure 8.12.3**.

The Academic Council may consider and approve this item.

Resolution:

Mr. Ashok Vasudevan, Managing Director, FESTO Controls Pvt. Ltd., suggested to introduce a course on Cost Estimation in the curriculum of Mechanical Engineering. Dr. M. Murugan, HOD (Mech. Engg.) replied that the Cost Estimation is a part of product design and hence, there is no need for a separate course on Cost Estimation. He also further stated that the course on "Project Management for Engineers" is taught to the students. Dean (Academic Affairs) informed that the course has already been included in all PG programmes.

Mr. Ashok Vasudevan, informed that it should be considered for all B.Tech. programmes also.

After discussions Academic Council approved the item.

Item 8.12.4

To consider and approve the syllabi for Ph.D level course

Note on Agenda:

The following Ph.D level course was suggested by a doctoral committee for a Ph.D scholar in the department of Mechanical Engineering.

S.No.	Course Code	Course Name	No. of Credits
1	MEZ 930	Failure Mechanism and Prevention	3

The board of the studies of the department of Mechanical Engineering has approved the syllabus and recommended the same for the approval by the Academic Council of the University. The syllabus will be applicable from the academic year 2015-16 onwards.

The syllabus for the above Ph. D level courses is given in **Annexure 8.12.4**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

DEPARTMENT OF POLYMER ENGINEERING

ITEM 8.13

To consider the recommendations of the Board of studies of the department of Polymer Engineering

Item for Approval

Item 8.13.1

To consider and approve the modification of objectives and outcomes carried out in certain courses

Note on Agenda:

The objectives and outcomes of the following courses of B.Tech. Polymer Engineering have been revised and approved by the board of studies.

S.No.	Course Code	Title of the Courses
1	PEB2101	Chemistry of Macromolecules
2	PEB2102	Thermoplastics Materials Engineering
3	PEB2211	Physics of Macromolecules
4	PEB2212	Thermosets and Additives
5	PEB2213	Polymer Rheology
6	PEB2214	Polymer Analysis and Characterization
7	PEB3101	Plastics Process Engineering
8	PEB3102	Rubber Science and Technology
9	PEB3103	Polymer Testing Technology
10	PEB3213	Polymer Composites Engineering
11	PEB4103	Polymer Blends and Nanocomposites

12	PEBX05	Electroactive Polymers
13	PEBX12	Polymer Recycling and Waste management
14	PEBX13	Fibre Reinforced Plastics
15	PEBX16	Polymer Blends and Alloys
16	PEBX17	Adhesives and Surface Coatings
17	PEBX18	Paints and Surface Coatings

The syllabus is given in **Annexure 8.13.1**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

CRESCENT SCHOOL OF ARCHITECTURE

ITEM 8.14

To consider the recommendations of the board of studies of the Crescent School of Architecture

Items for Approval

Item 8.14.1

To consider and approve certain revisions to the existing curriculum structure (2013).

Note on Agenda:

- The course ARB5904 - Dissertation is a theory course converted in to studio course without any modifications in the contents of the syllabus. Number of contact hours also changed from 3 to 6 hours.
- Rationalization of the contact periods for theory, theory cum studio & design as per university norms (15 weeks per semester) were carried out and distribution is shown below:

Theory	:45 sessions (instead of 48)
Theory cum studio	:75 sessions (instead of 90)
Architectural Design I	:180 sessions (instead of 224)
Architectural Design II,III &IV	:210 sessions (instead of 224)
Architectural Design VI & VII	:225 sessions (instead of 240)
Dissertation	:90 sessions

The Academic Council may consider and approve this item.

Resolution:

Prof. Thangamuthu, Former Vice Chancellor, Bharathidasan University, emphasized that COA norms are to be satisfied while rationalizing the contact periods for Theory, Theory cum Studio, Design and Dissertation for the above items.

After discussions the Academic Council approved the item.

Item 8.14.2

To consider and approve the changes and inclusions of new elective courses (Applicable for the batch admitted in the Academic year 2013-14 onwards)

Note on Agenda:

The following basic elective was included:

AR B 3515 - Landscape Architecture - Semester V

The following advanced electives were included:

AR B 5914- Earthquake Resistant Buildings - Semester IX

AR B 5105- Safety Systems & Building Automation - Semester X

The syllabus is given in **Annexure 8.14.2**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.14.3

To consider and approve the revised course content of ARB2404 – Building Technology– IV in Unit V

Note on Agenda:

It was resolved to approve changes in UNIT V in ARB2404- Building Technology-IV as proposed below;

Existing Syllabus:	Proposed Syllabus:
Composition of glass, brief study on manufacture, treatment properties and uses of glass, special types of glass, sheet glass, plate glass, safety glass, tinted and coated glass, glass blocks properties and applications in the building industry current developments.	Brief study on structural glazing, Glass façade, unitized glazing, Frameless glasses – Spider glazing, Fin glazing, Glass canopy, Glass Entrance doors, Partitions, Staircases, etc.,

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.14.4

To consider and approve the proposals for starting 'M.Arch' on regular & Part-time mode

Note on Agenda:

It has been proposed to start 'M.Arch' on regular & Part-time mode. It is proposed to send proposals for getting the approval of COA.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

CRESCENT BUSINESS SCHOOL

ITEM 8.15

To consider the recommendations of the Board of studies of the Crescent Business School

Items for Approval

Item 8.15.1

To consider and approve the minor modifications carried out in the contents of courses of MBA programme.

Note on Agenda:

Improvements were made in the syllabi of some of the courses of MBA programme by incorporating contemporary aspects, improving the flow of contents, omitting repetitions, etc. The revised syllabi have been approved by the Board of Studies and are recommended to the Academic Council. The revised syllabi are given in ***Annexure 8.15.1.A (for 2014-15 batch) & Annexure 8.15.1.B (for 2015-16 batch)***

The Academic Council may consider and approve this item.

Resolution:

Dean (CBS), Dr. Haider Yasmeen and Dr. S.K.G. Ganesh (Professors / CBS) explained the modifications made in the syllabi of MBA programme to be followed for First year 2015-16 and also for Second year students joined in 2014-15.

After discussions the Academic Council approved the above item.

Item 8.15.2

To consider and approve the introduction of new courses in MBA programme and the corresponding syllabi

Note on Agenda

The following placement-oriented new courses have been introduced: (i) Computers & Business Applications Lab – MSB7102/**MSB6218** (ii) Data Analysis Lab - MSB7103 (iii) Digital Marketing – MSBY010 (iv) Sales Negotiation Lab - MSB7213 (v) Psychometrics & Corporate Connect Lab - MSB7212/**MSB6328**.

The following (existing) courses have been replaced by contemporary / need-based courses as indicated below:

- (i) Business, Environment & Governance - MS602 has been replaced by 'Entrepreneurship Development' - MSB6102
- (ii) Organisational Design & Development – MSY042 has been replaced by 'Human Resource Accounting and Audit' - MSBY042
- (iii) World Class Manufacturing - MSY082 has been replaced by 'Total Quality Management' - MSBY082
- (iv) Business Process Management & Outsourcing – MSY084 has been replaced by 'Lean Six Sigma'-MSBY084

The existing course 'Security Analysis and Portfolio Management' - MSY021 has been separated into two courses as indicated below viz.,

- (i) Security Market and Analysis - MSBY021
- (ii) Portfolio Management - MSBY029

Because of this modification the credits have been increased from **117 to 124** (within limits).

The revised curriculum and syllabi of MBA programme (incorporating the details of new courses) have been approved by the Board of Studies and are recommended to the Academic Council. The revised curriculum and syllabi are given in **Annexure 8.15.2.A (for 2014-15 batch) & Annexure 8.15.2.B (for 2015-16 batch)**.

These items will be implemented from the Academic year 2015-16.

The Academic Council may consider and approve this item.

Resolutions:

Dean (CBS), Dr. S.K.G. Ganesh and Dr. Haider Yasmeen, (Professors / CBS) explained about the new courses in MBA programme and the corresponding syllabi which are to be followed for First year 2015-16 and also for Second year students joined in 2014-15.

After discussions the Academic Council approved the above item.

SCHOOL OF LIFE SCIENCES

ITEM 8.16

To consider the recommendations of the Board of studies of the School of Life Sciences

Items for Approval

Item 8.16.1

To consider and approve the revision of curriculum and syllabi for M.Sc. Microbiology and M.Sc. Biotechnology in the School of Life Sciences

Note on Agenda:

The revision of curriculum and syllabi for M.Sc. Microbiology and M.Sc. Biotechnology carried out as per department biotechnology norms. The syllabus is given in **Annexure 8.16.1**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Item 8.16.2

To consider and approve the Introduction of M.Tech. Biotechnology programme in the School of Life Sciences

Note on Agenda:

The curriculum and syllabi for M.Tech. Biotechnology programme was approved by members of board of studies meeting conducted by School of Life Sciences. The curriculum and syllabus was framed as per the DBT as well as suggestions given by industrial members. The syllabus is given in **Annexure 8.16.2**.

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

DEPARTMENT OF PHYSICS

ITEM 8.17

To consider the recommendations of the Board of Studies of the department of Physics

Item for Ratification

Item 8.17.1

To consider the ratification of syllabus for Ph.D level course

Note on Agenda:

The following Ph.D level courses was suggested by a doctoral committee for a Ph.D scholar in the department of Physics

S.No.	Course Code	Course Name
1	PHBY13	Nanoelectronics
2	PHBY14	Advanced Statistical Mechanics

The board had gone through the syllabus and ratified the implementation and forwarded the same for subsequent ratification by the Academic Council.

The syllabus for the above course will be applicable from the academic year 2014-15 onwards. The syllabi is enclosed in ***Annexure 8.17.1***

The Academic Council may consider and ratify this item.

Resolution:

The Academic Council approved the above item.

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

ITEM 8.18

To consider the recommendations of the Board of studies of the School of Social Sciences and Humanities

Item for Approval

Item 8.18.1

To consider and approve the modified objectives and outcomes and the changes in the syllabi of the courses - Introduction to Economics, Sociology, Ethics and Human Values and Law for Engineers.

Note on Agenda:

The objectives and the outcomes of the courses “Introduction to Economics, Sociology, Ethics and Human Values and Law for Engineers” were modified as per the requirements of Outcome Based Education.

Further the syllabi of the courses: Introduction to Economics and Sociology, Ethics and Human Values were modified.

The above changes were approved by the Board of Studies and recommended to the Academic Council. These are to be implemented from the Academic year 2015-16 onwards.

The syllabi of the courses are enclosed in ***Annexure 8.18.1***

The Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

DEPARTMENT OF ENGLISH

ITEM 8.19

To consider the recommendations given by the board of studies of the department of English

Item for Approval

Item 8.19.1

To consider and approve the modifications carried out in the syllabus of the courses English, Written Communication and Oral Communication.

Note on Agenda:

The syllabus for ENB1181 was restructured and a few additions to strengthen the existing topics in the syllabus for other two courses ENB2181 and ENB1282 were done. The outcomes were re-framed for all the courses to suit the objective. The syllabus was given in **Annexure 8.19.1**.

ENB1181 - English

ENB2181 - Oral Communication

ENB1282 - Written Communication

Academic Council may consider and approve this item.

Resolution:

The Academic Council approved the above item.

Table item brought by the Vice Chancellor:

Item 8.20:

To consider and record by the academic council the overall analysis and recommendations for quality improvement given by the NAAC committee.

Note on Agenda:

NAAC committee visited our University during April 8–10, 2014 awarded 'A' grade to our University valid for the period of 5 years from 5.5.2014. The criterion-wise analysis and recommendation for the quality enhancement of the Institution sent by the NAAC team was analyzed in the meeting of the Internal Quality Assurance Cell held on 3.9.2014. The follow-up action is in progress.

Academic Council may record the item.

Resolution:

Prof. Thangamuthu, Former Vice Chancellor, Bharathidasan University advised to consider the following item before next visit of NAAC.

- 1. To develop basic degree programs at all levels*
- 2. Creation of centre for excellence*
- 3. Identify outstanding departments*
- 4. Improve research and consultancy activities*
- 5. Develop resource sharing facility*
- 6. Analyses of feedbacks and focus on follow-up actions*
- 7. Enhancing of industry standard lectures.*

After discussion the Academic Council recorded the above item.

Vote of thanks by the Registrar

He informed the members that the University is implementing outcome based curriculum for all programs. He welcomed the members in all board of studies including representation from industry, alumni, parent and professors from reputed institution to strengthen teaching learning process of each department.

He told that the following nine parameters considered for the transformation of our university to higher level will take care of the recommendations for quality improvement given by the NAAC committee

1. Enrolment strategies / Admission process
2. Alumni, Community and Industrial Relationship
3. Academics
4. Brand Building
5. Placements
6. Research & Development
7. Facilities & Infrastructure
8. Student Engagement
9. International Collaboration

He informed that our university is proposing to create the following centers of excellence:

1. Centre for Materials Research
2. Centre for Clean Energy Research
3. Centre for Molecular diagnostics

He told that we proposed to arrange minimum of one guest lecture by alumni per month.

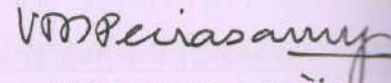
He also informed the proposal to allow staff members for industrial internship for 2-6 month duration in every department.

He told that it is proposed to take this university as one of the bench marked university in the country.

Finally he thanked all the members for their cooperation rendered for the successful conduct of the Eighth Meeting of the Academic Council.


REGISTRAR 27/7

REGISTRAR
B.S. ABDUR RAHMAN UNIVERSITY
VANDALUR, CHENNAI-600 048.


VICE CHANCELLÖR

VICE-CHANCELLOR
B.S. ABDUR RAHMAN UNIVERSITY
VANDALUR, CHENNAI - 600 048



B. S. ABDUR RAHMAN UNIVERSITY, VANDALUR, CHENNAI – 600 048.

Minutes of the Seventh Academic Council Meeting

The **Seventh Meeting of the Academic Council** was held on **10th July 2014** at **10:00 am** in the **Seminar Hall – III** at the Convention Centre of B.S. Abdur Rahman University.

The following members attended the meeting.

1. Prof. J.A.K.Tareen, Vice Chancellor
2. Dr. V.M. Periasamy, Pro Vice Chancellor
3. Prof. Modi, Former Professor of Eminence, Anna University
4. Prof. Syed Mahdi Abbas Rizvi, Prof. of Mech. Engg., Aligarh Muslim University
5. Prof. P. Venkat Ramaiah, Former Vice Chancellor, Kuvembu University and Former Chancellor, NCTE
6. Dr. Gowri Sankar, Managing Director India Piston Rings, Chennai.
7. Mr. K. Bhaskar, Technical Manager, Embedur Systems, Chennai
8. Mr. V.N.A. Jalal, Director (Admissions and Campus Development)
9. Dr. V. Murugesan, Registrar & Director, Sponsored Research & Consultancy
10. Dr.M.V.Moly Kutty, Dean, School of Infrastructure Sciences
11. Dr.M.Murugan, Dean, School of Mechanical Sciences & HOD, Mech
12. Dr. S. Kaja Mohideen, Dean, School of Electrical & Communication Sciences
13. Dr. K.M. Mehata, Dean, School of Computer & Information Sciences
14. Dr. S.K.G. Ganesh, Dean (Incharge), Crescent Business School
15. Ar. S. Ravi, Dean, Crescent School of Architecture
16. Dr. I.B. Shameem Banu, Dean, School of Physical and Chemical Sciences
17. Dr. A. Shahin Sultana, Dean, School of Social Sciences and Humanities
18. Dr. P. Syed Masood, Dean, School of Islamic Studies
19. Dr. T.R. Rangaswamy, Dean (Academic Affairs)
20. Dr. R. Raja Prabu, Dean (Academic Research) & HOD, EEE
21. Dr. S.S.M. Abdul Majeed, Dean, Student Affairs
22. Dr. S. Prince Arockiadoss, Director, International Collaboration
23. Dr. S. Hemalatha, Dean, School of Life Sciences

24. Dr. I. Mohammed Bilal, Controller of Examinations
25. Dr. M.S.Haji Sheik Mohamed, Professor and Head, Civil Engineering
26. Dr. P.K.Jawahar, Professor and Head, Electronics and Communication Engineering
27. Dr. Sharmila Sankar, Professor and Head, Computer Science and Engineering
28. Dr. Latha Tamilselvan, Professor and Head, Information Technology
29. Dr. M. Subramanian, Professor and Head, Automobile Engineering
30. Dr. P. Vasantha Kumar, Professor and Head, Aerospace Engineering
31. Dr. D. Najumnissa Jamal, Professor and Head, Department of Electronics & Instrumentation Engineering
32. Dr. P. Sheik Abdul Khader, Professor and Head, Computer Applications
33. Dr. P.S. Sehk Uduman, Professor and Head, Department of Mathematics
34. Dr. M. Basheer Ahamed, Professor and Head, Department of Physics
35. Dr. D. Easwaramoorthy, Professor and Head, Department of Chemistry
36. Dr. P.M. Usha Rani, Professor and Head, Department of English
37. Dr. Angelina Geetha, Professor, Computer Science and Engineering
38. Dr. S.Kutti Rani , Professor, Department of Chemistry
39. Dr. R. Rajaraman, Professor, Mechanical Engineering
40. Dr. M. Munir Ahamed Rabbani, Professor, Department of Computer Applications
41. Dr. R.Shriram, Professor, Department of Computer Science and Engineering
42. Dr. I.Raja Mohamed, Professor, Department of Physics
43. Dr. A.Jaya, Professor, Department of Computer Applications
44. Dr. S. Srinivasan, Professor, Department of Mathematics
45. Dr. E. Rajakuperan, Professor, Department of Aerospace Engineering
46. Mr. A. Sultan Saleem, Asso. Professor, Department of Electrical & Electronics Engg
47. Mr. S. Pakkir Mohideen, Associate Professor, Department of Computer Applications
48. Mr. I. Sathik Ali, Associate Professor, Department of Computer Applications
49. Mr. M. Syed Masood, Asst Professor (Sel.Gr.), Department of Computer Applications
50. Ms. S. Sahar Banu, Asst Professor (Sel.Gr.), Department of Computer Applications
51. Ms. S. Panboli, Assistant Professor (Sel.Gr.), Crescent Business School

Special Invitee:

1. Prof. Syed Islam, Professor of Electrical Power Engineering, Curtin University of Technology, Perth

Leave of absence was granted to the following members as they have expressed their inability to attend the meeting due to their preoccupation.

1. Mr. Abdul Qadir A. Rahman Buhari, Chairman, Board of Management
2. Dr. V. Raju, Vice-Chancellor, VIT, University
3. Prof. Furqan Qamar, Vice Chancellor, Central University of Himachal Pradesh,
4. Dr. S.P. Thyagarajan, (Former Vice Chancellor, University of Madras)
Pro-Chancellor (Research) Sri Ramachandra University
5. Dr. Vasanthi Padmanaban, Professor, Department of Civil Engineering

Vice Chancellor welcomed all the members and outside experts, thanked the services rendered by those members whose term was ceased and presented the salient features of this University including the critical for parameters for attaining excellence. (**Annexure 7.0-A**).

Followed by that, Dean (Academic Affairs) presented a brief report on the development and Academic activities of the University between previous Academic Council meeting which was held on June 3rd, 2014 and as on 10th July 2014 (**Annexure 7.0-B**).

Discussions:

Prof. P. Venkat Ramaiah, External member, appreciated the road map achieved within a short span of time, congratulated and complimented the Vice Chancellor for the growth of University He also appreciated the effort taken to conduct Open House Exhibition for the benefit of school children to boost the image of the University and to motivate the school children to opt for technical education.

Prof. Syed Mahdi Abbas Rizvi, External member, appreciated the Vice Chancellor's report particularly the Vision 2020. Further, he expressed that the University is progressing in the right direction and the progress made so far is more than satisfactory. He also appreciated the registration of Ph.D. is a compulsory requirement for those staff members who joined with M.Tech. qualification because it will help to improve teaching and research process. He mentioned that the University may set up an innovation council in the University in line with National Innovation Council and suitable awards for the best innovation will bring not only new technology but also bring out excellent work .

Prof. Syed Islam observed that the achievements of the University are of high level and he appreciated the Vice Chancellor's presentation particularly the Vision 2020. Although he was very happy to note that more than 200 faculty register for Ph.D. in BSAU, it is necessary atleast some of them pursued Ph.D. elsewhere in order to bring lateral idea and to avoid imbredding. He was happy about the incentive scheme for faculty as in Australian University. However he questioned such scheme for students. The accreditation by NAAC with 'A' Grade in the first cycle itself is the true reflection of hard work of faculty and the leadership. This achievement was lauded unanimously by all external experts.

Mr. Gowri Sankar suggested introducing internship in the curriculum instead of during summer vacation. He insisted that students should visit the relevant industry immediately after the subject is taught in the class which will make students to understand the practical applications of the theory that they learnt in the class room. He also suggested to conduct programme on (i) New product design, (ii) TQM and (iii) Metrology under the banner of Faculty training academy. Further, he suggested that the staff members should visit the industry for a week through Faculty Training Academy and gain knowledge about the Industrial activities. He also suggested that serious review process for the Ph.D scholars at the beginning stages to avoid last minute complications.

Our Alumni member, Mr. Bhaskar appreciated the report and asked to include the patent details by the staff members. He also suggested to have detailed feasibility study / market survey before starting new programmes. He cautioned that the growth of students intake should be exponential. Mr. Bhaskar mentioned that branding of the University need to be improved further in the context of competition in higher education.

Thereafter the agenda items were considered in the following order.

AGENDA ITEMS

ITEM 7.1

To confirm the Minutes of the Sixth meeting of the Academic Council held on 3rd June 2013.

Note on Agenda:

The sixth meeting of the Academic Council was held on 03.6.2013 at 10.00 am in the Seminar Hall-III of the Convention Centre, B.S. Abdur Rahman University. The Minutes of the meeting was communicated to all the members and no comments were received. Hence, the Academic Council may confirm the Minutes of the meeting. The minutes of the sixth meeting of the Academic Council is enclosed in **Annexure 7.1**.

Resolution :

As there were no comments received from any of the members the minutes of the Sixth Academic Council was confirmed.

ITEM 7.2

To consider and approve the Action Taken Report on the above Minutes.

Note on Agenda:

The action taken report for the minutes of the Sixth Academic Council meeting held on 03.06.2013 is enclosed as **Annexure 7.2**. The Academic Council may peruse and record the same.

Discussions :

Registrar and Dean (Academic Affairs) informed that most of the decisions taken during the Sixth Academic Council meeting were implemented. He added that, item 6.3.2 (starting of new programmes) some of the programmes were temporarily suspended due to insufficient takers.

Resolution :

After detailed discussions the action taken report on the minutes of the Sixth Academic Council was recorded.

RATIFICATION OF THE ITEMS

ACADEMIC RESEARCH

ITEM 7.3:

To consider and ratify the recommendations of the Research Board.

Item 7.3.1:

To consider and ratify the Ph.D Regulation 2009 – Clause 19.3A: Plagiarism check before the submission of Ph.D Thesis through Plagiarism check software.

Note on Agenda:

- The University Grants Commission is likely to make it mandatory, for all the universities, to install a plagiarism check software / “Turnitin” that would detect the “similarity index”.
- Our University has already started uploading our Ph.D theses into UGC – INFLIBNET – Shodhganga project, for which we have been asked to check the quality / similarity index, before uploading the same.
- In addition, “plagiarism check” and “quality research” are important components, for evaluation, by accreditation agencies like, NAAC, NBA, ABET, etc.
- Accordingly, our university has subscribed to “Turnitin”, a plagiarism check software and guidelines for usage is already circulated. Earlier, demonstration was also arranged to all the faculty members & research scholars of BSAU.
- After careful consideration and detailed discussion, the Research Board in its 18th meeting recommended to introduce a new regulation clause 19.3A.
- **Clause 19.3A:**
“The Theses shall be subjected to Plagiarism check using appropriate tools and if the similarity index is unacceptable, it shall be returned to the research scholar for rectification”.

This item has been already approved by the Research Board and Chairman of the Academic Council.

The Academic Council may consider and ratify this item.

Resolution:

After detailed discussions, the academic council resolved to ratify the introduction of new Ph.D.Regulation Clause 19.3A as mentioned below:

➤ **Clause 19.3A:**

“The Theses shall be subjected to Plagiarism check using appropriate tools and if the similarity index is unacceptable, it shall be returned to the research scholar for rectification”.

Item 7.3.2:

To consider & ratify the Ph.D Regulation 2009 – Clause 18.2A: Constitution of Pre Synopsis Review Committee for ensuring quality in research work.

Note on Agenda:

- After becoming University, we have awarded 3 Ph.D degrees, 2 M.Tech (by Research) degrees, 9 M.Phil degrees. Another 2 Ph.D scholars and 2 M.Tech (By Research) scholars have successfully completed their Viva voce examination and waiting for the award of degree in the ensuing convocation.
- For Ph.D programme, the Ph.D thesis is scrutinized by a scrutinizing committee, before sending the same for evaluation by the examiner(s). The University scrutinizing committee has suggested a lot of modification(s), because of the deviation in the format prescribed as well as in the technical presentation.
- Though, it is the responsibility of the respective research supervisor and doctoral committee, to ensure the quality research work done, in order to enhance the reputation of our University, it is proposed to constitute a “Pre Synopsis Review committee” for each research scholar before the submission of synopsis.
- This Pre Synopsis Review committee will look in to the technical aspects of the research work done, the quantum of work required to earn a degree, quality aspects of the research work, publications requirements, etc.

- Only after the approval of this Pre Synopsis Review committee, the research supervisor is permitted to convene a synopsis meeting of the Doctoral Committee for the respective research scholar.
- The Committee will be constituted by Dean (AR), depending upon the need. The composition of Pre Synopsis Review Committee shall be:
 - Dean of the respective School
 - Head of the Department of the Scholar
 - Supervisor of the Scholar
 - Two members nominated by Dean (Academic Research)

(Preferably one domain expert & one non-domain expert, either belonging to our university or outside university).
- After careful consideration and detailed discussion, the Research Board in its 18th meeting recommended to introduce a new regulation clause 18.2A.
- **Clause 18.2A:**

“Before convening the DC meeting for synopsis submission, the scholar shall present his entire work, along with specific research contribution, before a Pre Synopsis Review committee, constituted for this purpose. The committee upon reviewing the work done by the scholar and assessing the technical aspects of the research work done, the quantum of work required to earn a degree, quality aspects of the research work, publications requirements etc., shall recommend to convene the DC meeting for Synopsis submission.

This item has been already approved by the Research Board and Chairman of the Academic Council.

The Academic Council may consider and ratify this item.

Discussions

Prof. P. Venkat Ramaiah appreciated this move towards quality research. Prof. Syed Mahdi Abbas Rizvi asked to follow the UGC regulations.

Resolution:

After detailed discussions, the academic council resolved to ratify the introduction of new Ph.D.Regulation Clause 18.2A as mentioned below:

➤ **Clause 18.2A:**

“Before convening the DC meeting for synopsis submission, the scholar shall present his entire work, along with specific research contribution, before a Pre Synopsis Review committee, constituted for this purpose. The committee upon reviewing the work done by the scholar and assessing the technical aspects of the research work done, the quantum of work required to earn a degree, quality aspects of the research work, publications requirements etc., shall recommend to convene the DC meeting for Synopsis submission.

Item 7.3.3:

To consider & ratify the revision of Research Incentive Scheme.

Note on Agenda:

- The Research Incentive Scheme was introduced in the year 2009-10 and already awards were distributed for four successive academic years.
- As per the university convention, every scheme would be revisited, once in 4 years.
- Therefore, it has been decided to revisit the existing norms of the Research Incentive Scheme & accordingly a committee was constituted with the following members and headed by Dr. V. Sankaranarayanan, Emeritus Professor.
- Committee members
 - ❖ Dr. V. Sankaranarayanan (Advisor, FTA) – Chairman
 - ❖ Dr. V.M. Periasamy (Pro Vice Chancellor) – Member
 - ❖ Dr. M. Murugan (Professor & Dean (SMS) – Convener
 - ❖ Dr. S. Kaja Mohideen (Professor & Dean (SECS) – Member
 - ❖ Dr. S.S.M. Abdul Majeed (Professor & HOD (Polymer) – Member
- The Committee submitted its report on 05.02.2014 & the same was presented in the 20th Meeting of the Research Board.

This item has been already approved by the Research Board and Chairman of the Academic Council is enclosed in **Annexure 7.3.3**.

The Academic Council may consider & ratify this item.

Discussion:

Prof. Syed Mahdi Abbas Rizvi suggested initiating Outstanding Researcher Award for the University. Prof. Syed Islam appreciated the incentive scheme and also informed that Research performance index is a measure followed in Australia and linked with the promotion of faculty members.

Resolution:

The academic council resolved to ratify the above item.

SCHOOL OF LIFE SCIENCES

ITEM 7.4:

To consider and ratify the recommendations of the Board of Studies of School of Life Sciences.

Item 7.4.1

To consider and ratify the curriculum and syllabi for the following M.Sc. programmes.

- a) Microbiology**
- b) Biosciences**
- c) Biotechnology**
- d) Biochemistry & Molecular Biology**
- e) Genetics**

Note on Agenda:

The M.Sc. programmes – Microbiology, Biosciences, Biotechnology, Biochemistry & Molecular Biology and Genetics commenced in the Academic year 2013-14. The curriculum and syllabus was approved by Chairman, Academic Council pending ratification. Further, the meeting of Board of Studies conducted on 6.1.2014 and the curriculum and syllabi were approved and recommended to Academic Council. The curriculum and syllabi is enclosed in **Annexure 7.4.1**

The Academic Council may consider and ratify the above item.

Discussions

Vice Chancellor informed that the School should have detailed study for the M.Tech. - B.Tech. programmes in Biotechnology and bring out clear norms for credit transfer of the common courses in the next Academic Council after thorough discussion in the Board of Studies.

Resolution:

The academic council resolved to ratify the curriculum and syllabi for the M.Sc. programmes in Microbiology, Biosciences, Biotechnology, Biochemistry & Molecular Biology, Genetics

DEPARTMENT OF MECHANICAL ENGINEERING

ITEM 7.5:

To consider and ratify the recommendations of the Board of Studies of Department of Mechanical Engineering.

Item 7.5.1:

To consider and ratify the inclusion of a new elective course MEX 027 ‘Vehicle Dynamics’ for B.Tech (Mechanical Engineering) (2009).

Note on Agenda:

In the regulation 2009 the syllabus for the course on Vehicle Dynamics was not included. This topic is an important emerging area in the field of Mechanical Engineering and hence it is proposed to include it as one of the elective courses. The inclusion and the syllabus is recommended by the Board by Studies for ratification by the Academic Council. The syllabus is enclosed in **Annexure 7.5.1**.

The Academic Council may consider and ratify this item.

Resolution:

After detailed discussions, the academic council resolved to ratify the inclusion of a new elective course MEX 027 ‘Vehicle Dynamics’ for B.Tech (Mechanical Engineering).

Item 7.5.2:

To consider and ratify the inclusion of the following Ph.D level courses.

S.No	Course Code	Course Name	No. of Credits
1	MEZ 921	Boundary Layer Theory	3

2	MEZ 922	Multirate Analysis and Wavelet Transform	3
3	MEZ 923	Non Destructive Testing	3
4	MEZ 924	Surface Engineering	3
5	MEZ 925	Advanced Physical Metallurgy	3
6	MEZ 926	Nano mechanics & Tribology	3

Note on Agenda:

The special courses for the Ph.D scholars were recommended by the concerned Doctoral Committees. The syllabi for these courses were recommended by the Board of Studies to the Academic Council for ratification. The syllabi are enclosed in **Annexure 7.5.2**.

The Academic Council may consider and ratify this item.

Resolution:

After detailed discussions, the academic council resolved to ratify inclusion of above mentioned Ph.D level courses.

APPROVAL OF ACADEMIC ITEMS
ACADEMIC REGULATIONS & CURRICULUM

ITEM 7.6

To consider and approve Academic matters decided in the meetings of Deans, Directors, HODs and COE.

Item 7.6.1

To consider and approve the amendment with regard to Attendance requirement in Clause No.15.1 of B.Tech. Regulation, 2013 and Clause No.11.2 of M.Tech Regulation, 2013.

Note on Agenda:

At present a student shall earn 100% attendance in the contact periods of every course, subject to a maximum relaxation of 25% (for genuine reasons such as medical grounds or representing the University in approved events etc.) to become eligible to appear for the semester-end examination in that course, failing which the student shall be awarded "I" grade in that course. If the course is a core course, the candidate should register and repeat the course when it is offered next.

Those students who were awarded “I” grade can register a maximum of three courses in Summer Term offered by the concerned department.

Conducting Summer Term course is putting hardship to the staff members for handling the courses. Most of the staff members are engaged in Summer Term courses. The staff members are not getting time to do Research and other activities. Further, teaching learning process for the Summer Term course is not effective. In order to avoid this problem it is proposed to bring the following amendments in the B.Tech. and M.Tech. Regulations of 2013.

A student should secure not less than 75% overall attendance in that semester taking into account of the total no. of periods in all courses put together attended by the student as against the total no. of periods in all courses offered during that semester. If a student who could secure overall attendance between 65% and 74% only in a particular semester due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level sports events with prior permission from the Officials concerned shall be given exemption from the prescribed attendance requirement and he / she shall be permitted to appear for the current semester examinations.

The students who do not fulfill the above attendance requirement will not be permitted to write the semester end examination and will not be permitted to move to next semester. Such students should repeat all the courses of the semester in the next Academic year.

This amendment will be implemented from the academic session starting from July 2014 onwards for the students admitted from the Academic year 2011-12 onwards.

However to facilitate students who have already been awarded the “I” grade in courses, the summer term courses shall be conducted as per the existing regulation.

For students who are admitted during the academic year 2014-15 the provision for summer term courses as provided by section 16.0 of the B.Tech regulation and section 7.7 of the M. Tech regulations are withdrawn. Academic council may approve to make necessary modifications in

the B.Tech and M.Tech regulations in consistent with the above amendments. B.Tech and M.Tech regulations are enclosed in **Annexure 7.6.1.a & 7.6.1.b**.

Academic Council may consider and approve this item.

Discussions:

Prof. Syed Mahdi Abbas Rizvi commented that attendance problem is common to all university. He suggested to think several times well before changing the existing system. Since operational problem is faced by the University, he recommended to approve this item, and suggested to review and analyze the result of the students who get less than required attendance.

Mr. Bhaskar, Alumni member suggested to combine the internal marks secured by the student with the attendance. Vice Chancellor told that this will not be viable due to practical difficulties.

Vice Chancellor told staff members should have time to do research and also informed that this it was discussed in the Advisory Committee before coming to Academic Council the level of students, first generation students, rural students etc. Hence he also suggested to have this modification for the smooth operational activities.

Resolution :

It was resolved to approve the below mentioned amendment with regard to Attendance requirement in Clause No.15.1 of B.Tech. Regulation, 2013 and Clause No.11.2 of M.Tech Regulation, 2013 from the academic session starting from July 2014 onwards for the students admitted from the Academic year 2011-12 onwards.

“A student should secure not less than 75% overall attendance in that semester taking into account of the total no. of periods in all courses put together attended by the student as against the total no. of periods in all courses offered during that semester. If a student who could secure overall attendance between 65% and 74% only in a particular semester due to medical reasons (hospitalization / accident / specific illness) or due to participation in the College / University / State / National / International level sports events with prior permission from the Officials concerned shall be given exemption from the prescribed attendance requirement and he / she shall be permitted to appear for the current semester examinations.

The students who do not fulfill the above attendance requirement will not be permitted to write the semester end examination and will not be permitted to move to next semester. Such students should repeat all the courses of the semester in the next Academic year”.

However, in order to facilitate students who have already been awarded the “I” grade in courses, the summer term courses shall be conducted as per the existing regulation.

For students who are admitted during the academic year 2014-15 the provision for summer term courses as provided by section 16.0 of the B.Tech regulation and section 7.7 of the M.Tech regulations are withdrawn. Academic council approved to make the necessary modifications in the B.Tech and M.Tech regulations in consistent with the above amendments.

Item 7.6.2

To consider and approve credit transfer from B.Tech Biotechnology to the following M.Sc programs offered by the School of Life Sciences

- a) Microbiology**
- b) Biosciences**
- c) Biotechnology**
- d) Biochemistry & Molecular Biology**
- e) Genetics**

Note on Agenda:

Students who had completed B. Tech Biotechnology program in B. S. Abdur Rahman University may opt to specialize further in specific areas of life sciences by joining M.Sc programs like Microbiology, Biosciences, Biotechnology, Biochemistry & Molecular Biology and Genetics. It is proposed to permit credit transfer from B.Tech Biotechnology to the above said M.Sc programs to avoid duplication of undergoing the courses.

The Academic Council may consider and approve the above item.

Resolution :

After detailed discussion this item was approved by the Academic Council

Item 7.6.3

To consider and approve the shifting of the core course SSB7181 Society, Technology and Sustainability to the list of electives in all the M. Tech programs

Note on Agenda

In the current curriculum of all the M.Tech programs, a course SSB 7181 Society, Technology and Sustainability was introduced as a core course - **Annexure 7.6.3**. In many programs this was the fourth or the fifth course in the third semester which has to be undertaken along with project work Phase I. Hence it is proposed to move this course to the list of electives, so that students can spend more time on project work Phase I.

The Academic Council may consider and approve the above item.

Resolution :

After detailed discussion the shifting of the core course SSB7181 Society, Technology and Sustainability to the list of electives in all the M. Tech programs was approved by the Academic Council

ACADEMIC POLICIES

ITEM 7.7

To consider and approve (i) the policy of making Ph.D. as a preferred qualification, (ii) students' evaluation of faculty performance and (iii) semester abroad programme

Item 7.7.1

To consider and approve the policy of making Ph.D. as a preferred qualification for the entry level Teaching position.

Note on Agenda:

In order to improve the standard of the University, It is proposed to bring a policy of recruiting faculty members preferably with Ph.D. qualification for the entry level teaching position. However the faculty members already recruited, who do not possess Ph.D. degree, shall be asked to register for the Ph.D program within one year.

The Academic Council may consider and approve this item

Discussions:

Vice Chancellor informed that this policy of making Ph.D. as entry level qualification is already implemented and several activities are in progress. Hence this item may be ratified.

Resolution :

After detailed discussion this item was ratified by the Academic Council

Item 7.7.2

To consider and approve the concept of students' feedback and evaluation of faculty performance

Note on Agenda:

In order to assess the quality of the faculty members it is proposed to have students' feedback and evaluation of faculty performance system. Based on that feedback, the quality of the teachers will be assessed and corrective action will be taken. This will improve the Teaching Learning process and enhance the quality of Teachers. The evaluative format is enclosed in the **Annexure 7.7.2**

The Academic Council may consider and approve this item.

Discussions:

Prof. Syed Mahdi Abbas Rizvi informed that this feedback mechanism will be a useful information for NBA and other accreditation body. However, he appealed that the feedback should be properly analyzed and action should be initiated based on the performance of faculty members.

Prof. Syed Islam also appreciated and informed that in Australia the same system is followed and this is linked with the staff promotion. He also commented that this is a diagnosis tool for delivery mechanism of the course. He also suggested to include the following in the feedback template.

- i) Feedback on the comments given by the students on the internal Assessment Test.*
- ii) Overall satisfaction of the students on the course taught by the faculty..*

Resolution :

After detailed discussion introduction of students' feedback and evaluation of faculty performance system was approved.

Item 7.7.3

To consider and approve establishing semester abroad programme at our University

Note on Agenda:

Our university has entered into international academic partnerships through MoUs with many overseas universities for establishing student exchanges, faculty exchanges, joint research and joint academic programs.

Based on the interest expressed by our students and availability of academic partnership with overseas universities, it is proposed to establish Semester Abroad Program (SAP), allowing our students to choose and study courses in any one of partner universities abroad for a semester and allow credit transfer at our university. The details of the Semester Abroad Program (SAP) will be worked out in detail after due evaluation of individual cases.

The Academic Council may consider and approve in principle

Resolution :

After detailed discussion establishing semester abroad programme was approved in principle by the Academic Council.

NEW PROGRAMMES PROPOSED

ITEM 7.8

To consider and approve the following new programmes proposed by respective Schools and Departments

Sl.No.	Programme	Proposed by
1.	BBA	Crescent Business School
2.	Integrated BBA-MBA	Crescent Business School
3.	Integrated BCA-MCA	Dept. of Computer Applications

4.	M.Sc. Mathematics	Dept. of Mathematics
5.	B.Com	School of Social Sciences & Humanities
6.	B. Tech Bio Technology B. Tech Cancer Bio Technology B. Tech Food Bio Technology	School of Life Sciences

CRESCENT BUSINESS SCHOOL

Item 7.8.1

To consider and approve the Curriculum & Syllabi for the proposed BBA Program.

Note on Agenda

It is proposed to start BBA programme which could act as a feeder to MBA programme. The curriculum and syllabi approved by the Board of Studies and recommended to the Academic Council. The curriculum and syllabus is given in **Annexure 7.8.1**.

The Academic Council may consider and approve this item.

Item 7.8.2

To consider and approve the Curriculum and Syllabi of Integrated BBA-MBA programme

Note on Agenda

This would be offered as 5 year integrated programme (3 year BBA with the proposed curriculum / syllabi and 2 year MBA that is presently being offered). A lateral exit provision to get BBA degree after 3 years is given to the students. The curriculum and syllabi recommended by Board of Studies is enclosed in the **Annexure 7.8.2**.

The Academic Council may consider and approve this item.

DEPARTMENT OF COMPUTER APPLICATIONS

Item 7.8.3

To consider and approve the curriculum and syllabi for Five Years BCA-MCA Integrated degree programme with a provision for Lateral Exit at the end of third year with BCA degree proposed by department of Computer Applications

Note on Agenda:

Introduction of an integrated five year BCA-MCA degree programme with lateral exit is proposed. The flexibility of the curriculum and syllabi to fit in the second year of regular MCA programme is discussed.

The curriculum and syllabi for BCA-MCA Integrated programme was approved by the Board of Studies and recommended the same to the Academic Council. The curriculum and syllabi for BCA-MCA Integrated degree programme is enclosed in **Annexure 7.8.3**.

The Academic Council may consider and approve this item.

DEPARTMENT OF MATHEMATICS

Item 7.8.4

To consider and approve the Introduction of M.Sc. Mathematics programme in the department of Mathematics

Note on Agenda:

The department of Mathematics has decided to start M.Sc. Mathematics in B.S. Abdur Rahman University. The curriculum and syllabi of M.Sc. Mathematics has been prepared and approved by the Board of Studies. The curriculum and syllabi is enclosed in **Annexure 7.8.4**.

The Academic Council may consider and approve this item.

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES.

Item: 7.8.5

To consider and approve the regulations, curriculum and syllabus of B.Com programme (General)

Note on Agenda:

The regulations, curriculum and syllabus is approved by the Board of Studies and recommended the same to the Academic Council. The regulations, curriculum and syllabus for B.Com. programme is enclosed in **Annexure 7.8.5**.

The Academic Council may consider and approve the above item.

SCHOOL OF LIFE SCIENCES

Item 7.8.6

To consider and approve the curriculum and syllabi for B.Tech. Biotechnology, B.Tech. Food Biotechnology and B.Tech. Cancer Biotechnology as recommended by the Board of Studies of School of Life Sciences

Note on Agenda:

It is proposed to start B.Tech. programme in Biotechnology, B.Tech. Food Biotechnology and B.Tech. Cancer Biotechnology by the School of Life Sciences. The curriculum and syllabi were framed in consultation with Academicians and experts and approved by the Board of Studies conducted on 13.5.2014 and recommended for the approval in Academic council. The curriculum and syllabi is enclosed in **Annexure 7.8.6**

The Academic Council may consider and approve this item.

Resolution :

The members approved all the above new programmes taking into consideration the employability market survey, viability and sustainability of programmes.

VALUE ADDED PROGRAMMES

ITEM 7.9

To consider and approve the following Value Added Certificate / Diploma programmes proposed by respective Schools and Departments

Sl. No.	Title of the Programme	Certificate / Diploma	Proposed by
1.	(i) Corporate Behaviour & Effectiveness (ii) Six-Sigma	Certificate	Crescent Business School
2.	Game Modeling and Design	Diploma	Apple iOS Application Development Centre
3.	iOS Application Development	Certificate	Apple iOS Application Development Centre
4.	Android Application Development	Certificate	Apple iOS Application Development Centre
5.	Cyber Security	Certificate	Dept. of Computer Science & Engg.

6.	VLSI Design	Certificate / Diploma	Dept. of Electronics & Communication Engg.
7.	Industrial Automation	Certificate / Diploma	Dept. of Electronics & Instrumentation Engg.
8.	Robotics	Certificate / Diploma	Dept. of Mechanical Engg.
9.	Composite Technology	Certificate / Diploma	Dept. of Polymer Engg.
10.	Gene Technology	Diploma & PG Diploma	School of Life Sciences
11.	Genomics	Diploma & PG Diploma	School of Life Sciences
12.	Molecular Diagnostics	Diploma & PG Diploma	School of Life Sciences
13.	Functional Arabic	Certificate	School of Islamic Studies
14.	Communicative Arabic	Diploma	School of Islamic Studies

CRESCENT BUSINESS SCHOOL

Item 7.9.1

To consider and approve the curriculum and syllabi for Diploma / Certificate programs in (i) Corporate Behaviour & Effectiveness and (ii) Six-Sigma

Note on Agenda

The curriculum and Syllabi proposed for the six months Diploma / Certificate programme were discussed in the Board of Studies (total 12 credits – 4 courses with 3 credits each) and recommended for approval in Academic Council. The curriculum and syllabi for the Diploma / Certificate programme is enclosed in **Annexure 7.9.1**.

The Academic Council may consider and approve this item.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Item 7.9.2

To consider and approve the introduction of Diploma and Certificate programmes in BSAU Apple iOS Application Development Centre

Note on Agenda:

In order to enhance the quality of the graduates of this University and also to improve the employability a Value Added Certificate / Diploma Programme in “VLSI Design” has been proposed by the department of Electronics and Communication Engineering. The curriculum and syllabi for the Value Added “Certificate / Diploma Programme in VLSI Design” was discussed and approved by the Board of Studies and recommended to the Academic Council for approval and the same is enclosed in **Annexure 7.9.4**.

The Academic Council may consider and approve this item.

DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGG.

Item 7.9.5

To consider and approve syllabi of Diploma / Certificate Course in Industrial Automation

Note on Agenda:

To enhance the quality of the students and improve employability a value added Diploma / Certificate programme in Industrial Automation using PLC and DCS has been proposed. The syllabus was framed and approved by the Board of Studies and enclosed in **Annexure 7.9.5**

The Academic Council may consider and approve this item.

DEPARTMENT OF MECHANICAL ENGINEERING

Item 7.9.6:

To consider and approve the curriculum and syllabi for the certificate program and diploma program on Robotics.

Note on Agenda:

In order to enhance the quality of students, it is proposed to start Value Added Certificate and Diploma Programme on Robotics by the department Mechanical Engineering. The curriculum and syllabus is approved by Board of studies and recommended to Academic Council for approval. The curriculum and syllabi is enclosed in **Annexure 7.9.6**

The Academic Council may consider and approve this item.

DEPARTMENT OF POLYMER ENGINEERING

Item 7.9.7

To consider and approve the curriculum and syllabi for Diploma / Certificate programme in Composite Technology by the department of Polymer Engineering

Note on Agenda:

In order to enhance knowledge of students in Composite Materials Manufacturing which is one of the trust area, it is decided to offer a Diploma / Certificate programme in Composite Technology by the department of Polymer Engineering from the Academic year 2014-15 onwards. The curriculum and syllabi for the above programme is approved by the Board of Studies and recommended the same to the Academic Council.

The curriculum and syllabi for Diploma / Certificate programme in Composite Technology programme is enclosed in **Annexure 7.9.7**.

The Academic council may consider and approve this item.

SCHOOL OF LIFE SCIENCES

Item 7.9.8

To consider and approve the curriculum and syllabi for 3 Diploma and 3 PG Diploma programmes (Gene Technology, Genomics and Molecular Diagnostics) by the School of Life Sciences.

Note on Agenda:

It is proposed to start 3 Diploma and 3 PG Diploma programmes (Gene Technology, Genomics and Molecular Diagnostics) by the School of Life Sciences. The curriculum and syllabi were framed in consultation with Academicians and experts and approved by the Board of Studies conducted on 27.6.2014 and recommended for the approval in Academic council. The curriculum and syllabi is enclosed in **Annexure 7.9.8**.

The Academic Council may consider and approve this item.

SCHOOL OF ISLAMIC STUDIES

Item 7.9.9:

To consider and approve the curriculum and syllabus for the Certificate programme in Functional Arabic and Diploma programme in Communicative Arabic by the School of Islamic Studies

Note on Agenda:

It is proposed to have Value Added Certificate programme in Functional Arabic and Diploma programme in Communicative Arabic in School of Islamic Studies. The curriculum and syllabi was approved by Board of Studies and recommended to Academic Council for approval and enclosed in **Annexure 7.9.9**

Academic Council may consider and approve the above item.

Resolution :

It was resolved to approve by the Academic Council, all the value added certificate and diploma programmes with about six credits for certification and about 12 credits for diploma to all students of our University depending on their specialization. Further, it was resolved to approve the introduction of PG Diploma programme in the School of Life Sciences for students with PG qualification.

**MINOR MODIFICATIONS OF CURRICULUM / SYLLABUS
IN VARIOUS SCHOOLS AND DEPARTMENTS**

SCHOOL OF COMPUTER INFORMATION AND MATHEMATICAL SCIENCES

ITEM 7.10

To consider and approve the recommendation of Board of Studies of School of Computer Information and Mathematical Sciences

Item 7.10.1

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

Item 7.10.1.1

To rename the program M.Tech (Computer and Predictive Analytics) as M.Tech (Computer Science and Engineering) with specialization in Big Data Analytics and modification of curriculum and syllabus by the department of Computer Science and Engineering.

Note on Agenda:

In order to attract takers it is proposed to rename the program M.Tech (Computer and Predictive Analytics) as M.Tech (Computer Science and Engineering) with specialization in Big Data Analytics. Further, minor modifications in curriculum and syllabus also proposed.

The renaming of the programme and also the curriculum and syllabi of M.Tech (Computer Science and Engineering) with specialization in Big Data Analytics is approved by the Board of Studies and recommended the same to the Academic Council.

The curriculum and syllabi M.Tech (Computer Science and Engineering) with specialization in Big Data Analytics programme is enclosed in **Annexure 7.10.1.1**.

The Academic Council may consider and approve this item.

Resolution :

The Academic Council approved to rename the program M.Tech (Computer and Predictive Analytics) as M.Tech (Computer Science and Engineering) with specialization in Big Data Analytics and modification of curriculum and syllabus.

Item 7.10.1.2

To approve the minor modifications in the contents of the syllabi for the following courses in M.Tech (Computer Science and Engineering), M.Tech (Software Engineering) and M.Tech (Network Security) programmes.

Course Code	Course Name	Program
CSB6212	Network Security	M.Tech (CSE)
CSBY09	Software Quality Assurance	M.Tech (CSE)
CSBY15	Language Technology	M.Tech (CSE)

CSBY30	Team Software Process	M.Tech (SE)
CSB6252	Applied Cryptography & Network Security	M.Tech (NS)

Note on Agenda:

In order to improve the effectiveness of the courses some minor modifications were carried out in the above courses. It was approved by the Board of Studies and recommended the same to the Academic Council. The syllabi is enclosed in **Annexure 7.10.1.2.**

The Academic Council may consider and approve this item.

Resolution :

This item was approved by the Academic Council

Item 7.10.1.3

To consider and approve the following special elective courses for Ph.D programmes

- CSBZ01 - Data Science and Big Data Analytics
- CSBZ02 - Visualization Techniques
- CSBZ03 - High Performance Computing
- CSBZ04 - Green Computing

Note on Agenda:

It is proposed to include the above courses for the Ph.D. scholars as per the recommendations of the members of Doctoral Committee as special electives in the M.Tech. Computer Science and Engineering programmes. The syllabus for the above courses are approved by Board of Studies and recommended the same to the Academic Council for approval and enclosed in the **Annexure 7.10.1.3.**

The Academic Council may consider and approve this item.

Resolution :

This item was approved by the Academic Council

Item 7.10.2

To consider and approve recommendations of Board of Studies of department of Computer Applications

Item 7.10.2.1

To consider and approve the modification in the curriculum and syllabi for MCA degree programme proposed by department of Computer Applications to accommodate Lateral entry students

Note on Agenda:

From the Academic year 2014-15 onwards Lateral Entry scheme for BCA, B.Sc., (Computer Science) and B.Sc., (Information Technology) students is introduced to study directly from the second year regular MCA degree programme. The following modifications are carried out in the curriculum of MCA programme.

- A course on CAB7104 – Data Mining and Data Warehousing is introduced as a core course in Third Semester.
- A course on the CAB7101 – Object Oriented Analysis and Design shifted to Third Semester from existing Fourth Semester.
- A new core course on CAB7211 – Advanced Programming Techniques is introduced in Fourth Semester
- In Fifth Semester new core courses CAB8101 - Cloud Computing, CAB8102 - Android Programming and CAB8103 - Mobile Applications Development Lab are introduced.
- The following courses are included in the list of electives
 - CABY25 - C# and .NET Framework
 - CABY26 - PHP Programming
 - CABY27 - Probability and Statistics
 - MSB6281 - Accounting and Financial Management

All the above items were approved by Board of Studies and recommended the same to the Academic Council. The revised curriculum and syllabi for MCA degree programme is enclosed in **Annexure 7.10.2.1**.

The Academic Council may consider and approve this item.

Resolution :

This item was approved by the Academic Council

Item 7.10.3

To consider and approve recommendations of Board of Studies of Mathematics Department.

Item 7.10.3.1

To consider and approve to change the name of the Department of Mathematics as Department of Mathematics and Actuarial Science.

Note on Agenda:

The department of Mathematics is offering M.Sc. Actuarial Science programme in addition to Mathematics. Three faculty members registered for Ph.D. programme in Actuarial Science. Hence it is recommended to change the name of the department of Mathematics as department of Mathematics and Actuarial Science.

The Academic Council may consider and approve this item.

Resolution :

The Academic Council approved to change the name of the Department of Mathematics as Department of Mathematics and Actuarial Science.

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

ITEM 7.11

To consider and approve the recommendation of Board of Studies of School of Electrical and Communication Sciences

Item 7.11.1

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

Item 7.11.1.1

To consider and approve the inclusion of the following elective courses for the M.Tech. programme in Communication Systems

Note on Agenda:

The following courses are added to the list of Electives for M.Tech. Communication Systems

- ECBY24 – Quantum Computing
- ECBY25 – Error Control Coding

It was approved by the Board of Studies and recommended to the Academic Council for approval. The same is enclosed in **Annexure 7.11.1.1**

The Academic Council may consider and approve this item.

Resolution :

This item was approved by the Academic Council

Item 7.11.2

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

Item 7.11.2.1

To consider and approve the modification of syllabus for the three courses and introduction of special elective for M.Tech. (Electronics and Instrumentation Engineering) programme

Note on Agenda:

- Course EIB6105 – Process Control Laboratory is revised and modified.
- Course EIB6215 – Modelling and Simulation Laboratory is revised and modified.
- Course EIBY063 – Applied Soft Computing is revised and modified.
- Course EIBY065 – Introduction to Cognitive Neuroscience is included as a Special Elective.

The syllabus was approved by the Board of Studies and will be applicable from the academic year 2014-15 onwards.

The syllabus of the above courses is enclosed as **Annexure 7.11.2.1**.

The Academic Council may consider and approve this item.

Resolution :

This item was approved by the Academic Council

Item 7.11.2.2

To consider and approve the shifting of the course EIB6217 – Industrial training from II semester to III semester for M.Tech. (Electronics and Instrumentation Engineering) programme

Note on Agenda:

The students will undergo inplant training during the summer vacation and they will be assessed during the III semester to award grades. Hence it is decided to shift the course from Second Semester to Third Semester and approved by the Board of Studies. The shifting of the course will be applicable from the Academic Year 2014-15 onwards.

The Academic Council may consider and approve this item.

Resolution :

This item was approved by the Academic Council

SCHOOL OF MECHANICAL SCIENCES

ITEM 7.12

To consider and approve the recommendation of Board of Studies of School of Mechanical Sciences

Item 7.12.1

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

Item 7.12.1.1:

To consider and approve the inclusion of “AUX017 – Automotive Vehicle Dynamics” as elective course for the students admitted in the year 2011-12 and 2012-13 and also modification of syllabus AUB4101 – Vehicle Dynamics for the students admitted in the 2013-14 onwards.

Note on Agenda:

It is proposed to introduce “AUX017 – Automotive Vehicle Dynamics” as one of the elective courses for the Automobile Engineering programme as this course is very important for the Automobile Engineering. It was approved by the Board of Studies and recommended to the Academic Council for approval and enclosed in **Annexure 7.12.1.1.**

The Academic Council may consider and approve this item.

Resolution :

This item was approved by the Academic Council

Item 7.12.1.2

To consider and approve the special elective courses to be offered as course work for Ph.D candidates admitted in the department of Automobile Engineering.

Note on Agenda:

The following special elective courses are decided to offer as a special elective for Ph.D. candidates admitted in the department of Automobile Engineering as per the recommendation of Doctoral Committee.

1. AUBY01 Automotive engine management and emission controls
2. AUBY02 Vehicle vibration and dynamics control
3. AUBY03 Aerodynamics for automobile engineers
4. AUBY04 Automotive safety system
5. AUBY05 Combustion thermodynamics and heat transfer
6. AUBY06 Instrumentation and experimental techniques
7. AUBY07 Vehicle control systems

The above elective courses are approved by the Board of Studies and recommended to the Academic Council for approval and enclosed in **Annexure 7.12.1.2.**

The Academic Council may consider and approve the above item.

Resolution :

This item was approved by the Academic Council

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

ITEM 7.13

To consider and approve the recommendation of Board of Studies of School of Social Sciences and Humanities

Item: 7.13.1

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

Item: 7.13.1.1

To consider and approve the syllabi for the following courses :

- General English paper I, paper II for UG programme to be offered in the I & II semester BBA, BCA, B.Com., and B.Sc.
- Business Communication for BBA programme to be offered in the IV semester BBA.

To consider and approve the syllabi for the following courses for all B.Tech programmes:

- French, English and Arabic Language courses
- Confidence Building and Behavioral Skills
- Career building and People Skills.
- Written Communication
- Oral Communication

Note on Agenda:

The syllabi for the English Paper I, English Paper II and Business Communication for the proposed BBA, BCA, B.Com., and B.Sc. programmes are framed and discussed and approved in the meetings of Board of Studies and enclosed in **Annexure 7.13.1.1**

In order to give option to choose foreign languages to the first year B.Tech students, it was decided to include French, Arabic and English language courses in the First year curriculum.

The syllabus for French and English Course was approved by the Board of Studies and recommended to the Academic Council for approval.

The syllabi for Confidence Building and Behavioral Skills and Career building and People Skills were modified and approved by the Board of Studies.

The syllabus for Arabic language course was approved by the Board of Studies of School of Islamic Studies and recommended to the Academic Council for approval.

The syllabus for English, French, Arabic, Confidence Building & Behavioral Skills and Career building & people skills are enclosed in **Annexure 7.13.1.2** and will be implemented from the academic year 2014 – 15.

The Academic Council may consider and approve the above item.

Resolution :

This item was approved by the Academic Council

SCHOOL OF ISLAMIC STUDIES

ITEM 7.14:

To consider and approve the recommendations of the Board of Studies of School of Islamic Studies

Item 7.14.1:

To consider and approve the syllabus for the Arabic Language course for the proposed BBA / B.Com programmes by the School of Islamic Studies

Note on Agenda:

The syllabus for the Arabic Language course for the proposed BBA / B.Com programmes was framed by the School of Islamic Studies and approved by the Board of Studies and recommended to the Academic Council for approval and enclosed in **Annexure 7.14.1**

The Academic Council may consider and approve the above item.

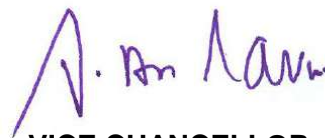
Resolution :

This item was approved by the Academic Council

The Academic Council Meeting ended with vote of thanks by the Registrar.



REGISTRAR



VICE CHANCELLOR