

ACADEMIC YEAR: 2015 - 16

Analysis on Students Feedback: Action Taken Report

Date: 03.08.16

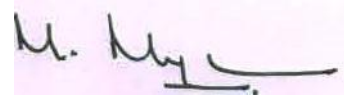
- A. Feedback from students was obtained through a.** Exit survey from passing out students of 2015 – 16 in the department level during April 2016; b. Level II – Feedback from students about the courses obtained during ODD and Even Semester 2015-16.

The following points were arrived based on the above feedback process for further action taken process:

- ❖ B1 : Laboratory oriented theory courses in P.G.
 - ❖ B2 : Provision of 1 / 2 credit courses in the P.G. curriculum to accommodate courses in emerging areas.
 - ❖ B3 : Flexibility in curriculum
 - ❖ B4 : Providing skill based courses / courses on cutting edge technology
 - ❖ B5 : Introduction of new elective courses in P.G. programmes
 - ❖ B6 : Recommendation for deletion / addition of courses (i.e., Revision in curriculum & syllabus)
- B. The point B1 & B2 was considered and approved in the Ninth meeting of Academic Council which was held on 29.07.2016. Agenda item 9.3.2 & 9.3.3 (page no. 5 & 6 of minutes of ninth Academic Council meeting).
- C. The point B3 was considered and approved in the Ninth meeting of Academic Council which was held on 29.07.2016. Agenda item 9.5.1 & 9.6.1 (page no. 15 & 16 of minutes of ninth Academic Council meeting).
- D. The point B4 was approved in the respective BoS of Departments. Minutes of 5th meeting of BoS of Department of Automobile Engg. Which was held on 25.06.16 is attached as evidence.

- E. The point B5 was approved in the respective BoS of Departments. Minutes of 7th meeting of BoS of Department of Computer Applications which was held on 25.06.16 is attached as evidence.
- F. The point B6 was considered and approved in the Ninth meeting of Academic Council which was held on 29.07.2016. Agenda item 9.15.1 (page no. 26 of minutes of ninth Academic Council meeting).

Annexure : Highlighted pages from minutes of Ninth meeting of Academic Council and other relevant BoS meeting minutes.



Dean, Academic Affairs

ANNEXURE : 9th Academic Council Meeting Minutes

**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 Ninth Meeting of the
Academic Council
(Correction Incorporated and Finalized)
B.S.A. University, Convention Centre
July 29, 2016**

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

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.

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.

8/11/2016

B . S. Abdur Rahman University
School of Mechanical Sciences
Department of Automobile Engineering

The Fifth meeting of the Board of Studies for the Department of Automobile Engineering was held on 25.06.2016 at 10.00AM in Automobile Department. The following members were present

1. Dr. M. Subramanian, Professor & Head / Automobile
2. Dr. G. Devaradjane, Professor of Automobile Engg., MIT, Anna University
3. Mr. K. Sethubaskaran, General Manager (Engines Division), Ford India Pvt. Ltd
4. Dr. M. Murugan, Dean School of Mechanical sciences
5. Dr. S. Prince Arockia Doss, Professor / Mechanical
6. Mr. V. Deepan, Assistant Professor / Automobile
7. Dr. K. Prabu , Assistant Professor / Automobile
8. Mr. C. K. Arvinda Pandian, Assistant Professor / Automobile
9. Mr. S. Karthikeyan, Assistant Professor / Automobile

Invited members

10. Mr. D. Roshan , Assistant Professor / Automobile
11. Mr. C. Dineshkumar, Assistant Professor / Automobile

The meeting started with a welcome address by the chairman. The following agenda points are taken up for discussion

1. Modified programme objective and outcome
2. Modified course objective and outcome
3. Minor modification in the content of the syllabus
4. Addition of general elective courses and programme elective courses
5. Introduction of Industry required electives
6. Addition of new courses for Ph.D course work

➤ **Modified programme objective and outcome**

The members reviewed the programme outcome and suggested modification in the programme specific objectives. Modification is implemented. (Annexure: 1)

➤ **Modified course objective and outcome**

The members thoroughly reviewed the syllabus and course outcomes of the subjects and correction are incorporated. (Subject listed in Annexure: 2)

➤ **Introduction of Additional Electives for B. Tech Program**

▪ **Additional General Electives**

- i) Automotive Pollution control
- ii) Motor vehicle act & insurance
- iii) Vehicle maintenance

➤ **Introduction of Industry required electives**

The Board members suggested to introduced the following subjects

- i) Embedded systems (available as general elective for VIII semester students)
- ii) Networking and Internet of Things (requested the Chairman Board of Studies, Computer Science Engineering to prepare the syllabus and approve in BOS)

➤ **Introduction of Special Electives for Ph.D course**

- i) Automotive Chassis
- ii) Automotive Engines and subsystems
- iii) Automotive Transmission

The members reviewed the above courses and their suggestions are incorporated. The Board members approved for implementation of the same for the necessary approval by the Academic Council of the University. The revised curriculum and syllabi will be effective from the academic year 16-17 onwards. Finally, the chairman thanked all the members.

M. Subramanian
12/7/16

Chairman

Board of Studies (Automobile Engineering)

Fifth Board of Studies minutes on 25.06.2016

Annexure : 1

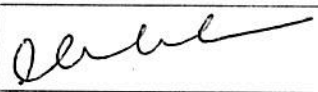
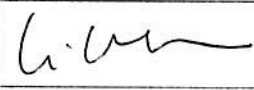

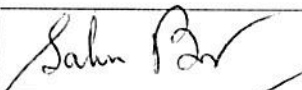
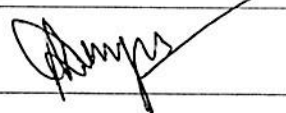
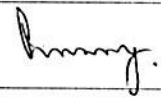
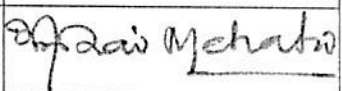
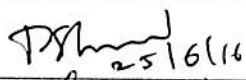
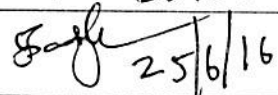
List of Subjects - Modified Course objectives and outcomes

S. No	Sem	Course Code	Course Name
1	IV	AUB2211	Automotive Chassis
2	IV	AUB2212	Mechanics of Machinery
3	IV	AUB 2213	Mechanical Metallurgy
4	V	AUB 3101	Two and Three Wheelers
5	V	AUB 3102	Design of Machine Elements
6	V	AUB 3103	Petrol Engines
7	V	AUB 3104	Computer Aided Drafting
8	V	AUB 3105	Engine Components lab
9	VI	AUB 3211	Diesel Engines
10	VI	AUB 3212	Design of Automotive Components
11	VI	AUB 3213	Automotive Electrical & Electronics
12	VI	AUB 3214	Fuels and lubricants lab
13	VI	AUB 3215	Automotive Electrical & Electronics lab
14	VI	AUB 3216	Four Wheeler lab
15	VI	AUB 3217	Modeling and Analysis lab
16	VII	AUB 4101	Vehicle Dynamics
17	VII	AUB 4102	Automotive Transmissions
18	VII	AUB 4103	Engine Management system and emission control
19	VII	AUB 4104	Vehicle Maintenance lab
20	VII	AUB 4105	Manufacturing Tech & CNC lab
21	VII	AUB 4106	Engine Testing and Emission lab
Professional Elective Courses			
22		AUBX01	Finite Element Methods for Automotive Applications
23		AUBX03	Modeling and Simulation of Vehicle Systems
24		AUBX04	Evaluation of Vehicle Performance
25		AUBX05	Automotive Aerodynamics
26		AUBX06	Automotive Safety Systems
27		AUBX07	Combustion Thermodynamics and Heat Transfer
28		AUBX08	Jet Engines
29		AUBX09	Alternative Energy Vehicle
30		AUBX10	Noise Vibration and Pollution Control
31		AUBX11	Composites Materials for Automobiles
32		AUBX12	Vehicle Comfort System & Ergonomics
33		AUBX13	Traffic Engineering
34		AUBX14	Fuel Cell Technology
35		AUBX15	Simulation of IC Engines
36		AUBX16	Off Road Vehicles
37		AUBX17	Surface Engineering
38		AUBX18	Advanced Material Testing & Failure Analysis
39		AUBX19	Alternate Propulsion
40		AUBX20	Tractor and Agricultural Machines
41		AUBX21	Fleet Management
42		AUBX22	Applied Hydraulics and Pneumatics
43		AUBX23	Computer Aided Design and Manufacturing
44		AUBX24	Statistics and Quality Management
45		AUBX25	Vehicle Body Engineering
46		AUBX26	Professional Ethics in Engineering
47		AUBX27	Modern and intelligent vehicle systems
48		AUBX28	Motorsport Engineering

B.S ABDUR RAHMAN UNIVERSITY, CHENNAI-48
SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES
DEPARTMENT OF COMPUTER APPLICATIONS

25.6.2016

The enclosed minutes of the seventh meeting of the Board of Studies in Computer Applications Department held on 25.6.2016 is approved.

S.No	Members of Board of Studies	Signature
1.	Mr.Sivaramakrishnan Senthatty (External Member) Global Head- Converged Network Services, Chennai	
2	Mr.Gajendran Ganesapandian (External Member) MTS 2 Engineer, Paypal India	
3	Mr.B.Kirthivasan (External Member) Senior Program Manager CSS Corp Pvt. Ltd.	-
4	Dr.P.AnandhaKumar (External Member) Professor and Head, Dept. of Information Technology, Madras Institute of Technology, Chennai.	
5.	Mr.Sankaran Biswas (Special Invitee) Academic Head, Cloud and ITIMS, Chennai	
6	Mr.DhanyaDivakaran Babu (Special Invitee) Sr.Mentor , Mobile Applications, iNurture	
7	Dr.V.M.Periasamy (Special Invitee) Vice Chancellor, BSAU	-
8	Dr.V.Murugesan (Special Invitee) The Registrar, BSAU	-
9	Dr.T.R.Rangaswamy (Special Invitee) Dean(Academic Affairs), BSAU	-
10	Dr.P.S.Sheik Uduman (Special Invitee) HOD/Mathematics, BSAU	
11	Dr.Revathi Viswanathan (Special Invitee) HOD/English	-
12	Dr.K.M.Mehata (Internal Member) Professor & Dean(SCIMS), BSAU	
13	Dr. P. Sheik Abdul Khader (Internal Member) Professor and Director (University Data Centre)	 25/6/16
14	Mr. I. Sathik Ali (Internal Member) Associate Professor, CA	 25/6/16

15	Mr. M. Syed Masood (Internal Member) Assistant Professor (Selection Grade), CA	<i>M. Masood</i>
16	Ms.S.Shahar Banu (Internal Member) Assistant Professor (Selection Grade), CA	<i>Shahar Banu</i>
17	Dr. A. Anny Leema (Internal Member) Assistant Professor (Senior Grade), CA	<i>AL</i>
18	Dr.A.Jaya (Chairman) Professor & Head, Department of CA	<i>A. Jaya</i>

B.S.ABDUR RAHMAN UNIVERSITY, CHENNAI -48
SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES
DEPARTMENT OF COMPUTER APPLICATIONS

Minutes of the Seventh Meeting of Board of Studies

Date: 25.06.2016

The seventh Board of Studies for the Department of Computer Application was held at 10.00 a.m. on 25.06.2016 in the Seminar Hall of the Department of Computer Applications. The following members were present.

1.	Dr.A.Jaya	Chairman
2.	Mr.Sivaramakrishnan Senthatty	External Member
3.	Mr.Gajendran Ganesapandian	External Member
4.	Dr.P.AnandhaKumar .	External Member
5.	Dr.K.M.Mehata	Internal Member
6.	Dr. P. Sheik Abdul Khader	Internal Member
7.	Mr. I. Sathik Ali	Internal Member
8.	Mr. M. Syed Masood	Internal Member
9.	Ms.S.Shahar Banu	Internal Member
10	Dr. A. Anny Leema	Internal Member
11	Dr.P.S.Sheik Uduman	Special Invitee
12	Mr.Sankaran Biswas	Special Invitee
13	Mr.DhanyaDivakaran Babu	Special Invitee

A. Jaya

Dr.A.Jaya

Professor and Head
 Chairman, Board of Studies

The Chairman welcomed all the members and special invites and informed that the minutes of the sixth meeting of the Board of Studies were approved by the Academic Council of the University. The Chairman briefed the agenda items and is taken up for discussion by the members.

Item 7.1 To ratify the revision of MCA curriculum and syllabi with outcome based teaching and flexible times proposed by Computer Applications Department.

7.1.1 To approve the MCA flexible Curriculum Structure

The Chairman of Board of Study briefed, Our University has introduced flexible timing for working professionals in attending the classes, flexibility in the selection of courses to be undertaken in the semester. Dr.K.M.Mehata, Dean (SCIMS) conveyed that this program is targeted industry professionals and the objective is to bring the industry and academicians together. The program is highly specialized to train the students in appropriate tools. **Mr.Sivaramakrishnan Senthatty** conveyed that the syllabus should be framed in alignment with industry to develop the skill sets of the students. **Mr.Gajendran** insisted to enhance the programming skills of the students in the latest technology and more practice on programs and scripting languages should be given to meet the requirements of the industry. The Chairman said that the curriculum and syllabi is redesigned on par with regular MCA programme and industry requirement without compromising content, quality, rigor and delivery.

After detailed discussion it was resolved to approve the curriculum and syllabi for the MCA flexible curriculum structure. The revised curriculum and syllabi for MCA degree programme with Outcome based Teaching are enclosed in ANNEXURE I-1 & I-2



Dr.A.Jaya

Professor and Head
Chairman, Board of Studies

7.1.2 To consider and ratify the inclusion in the following new electives in MCA programme and to be implemented for the Academic Year 2016-17

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 .Hence the following courses were suggested by staff members and this may be added as electives in Master of Computer Applications programme to provide an opportunity for the students to choose higher level electives to improve their technical skills and placement opportunities.

S.No	Course Code	Course Name
1.		Online Computer Advertising
2.		Web Mining
3.		Big data and its Analytics
4.		Digital Marketing
5.		Information Storage and Management
6.		Information Retrieval
7.		Social Media Analysis
8.		Human Computer Interaction
9.		Semantic Web
10.		Healthcare Analytics
11.		Human Resource Management Systems
12.		Python Programming
13.		Multimedia Systems and Algorithms
14.		Bio-Informatics
15.		Unix and Network Programming
16.		Microprocessor and its applications
17.		Advanced Programming Techniques
18.		Data Mining and Data Warehousing
19.		Cloud Computing
20.		Special Elective



Dr.A.Jaya

Professor and Head
Chairman, Board of Studies

After detailed discussion, the members of the committee agreed on the introduction of the following courses in the curriculum to provide insight into the recent technologies. To enhance the programming skills of the students in the latest technology and provide computational knowledge for research some of the courses were included. **Dr. P.AnandhaKumar** insisted the importance of the course Digital Image Processing for the biometric projects. **Mr.Sivaramakrishnan Senthatty** suggested Bio-Informatics, Python programming, Software Testing and Probability and Statistics are ambitious courses and they are highly related to industry demand. **Mr. Gajendran Ganesapandian** suggested to include IOS programming in Mobile application development course and also agreed to give the syllabus for this subject.

Unix and Network Programming and Data Mining and Data Warehousing have been moved to the list of electives to accommodate the introduction of the new courses. The committee suggested to remove the courses which are not application oriented from the elective list. Hence the following subjects were removed from the electives list.

S.No	Course Name
1	Principles of Compiler Design
2	Component Based Technology
3	Software Agents

After detailed discussion, it was resolved to approve the curriculum and syllabi of flexible mode MCA degree programme with these modifications and recommended the same to the Academic Council. The syllabi for the electives is enclosed in the ANNEXURE II



Dr.A.Jaya
Professor and Head
Chairman, Board of Studies

7.1.3 To consider and approve the revision in the syllabi contents of the following courses in Master of Computer Applications.

Based on the feedback from the staff members, the syllabi of the following subjects are revised without affecting the objective of the course

S.No	Course Code	Course Name	Programme
1		Data Mining and Data Warehousing	MCA
2	CABY10	Business Processes	MCA
3	CAB7218	Advanced Web Design And Development	MCA

The committee gone through the syllabus of the courses and **Mr. Gajendran Ganesapandian** suggested to include NOSQL DB in the syllabus of DBMS and give more emphasis on Javascript advanced functional programming and PHP in the syllabus of Advanced Web Design and Development. **Mr.Sivaramakrishnan Senthatty** suggested to include the overview of SDN (Software Defined Network) in the syllabus of Computer Networks. The external members gave the opinion that there should be Special elective in the fifth semester of the curriculum to learn the latest technology as per the industry need.

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 2016-17. The detailed syllabus is enclosed in ANNEXURE III is placed for approval.



Dr.A.Jaya
Professor and Head
Chairman, Board of Studies

7.4 Any other matter with the permission of Chair.

To approve the curriculum and syllabi of B.Sc degree programme proposed by Department of Computer Applications. Expert members suggested to include the following courses:

- Probability and Statistics
- Technical Communication
- Spoken English
- Computer Security
- Software Testing
- Digital Electronics

Dr. P. S. Sheik Uduman, HoD / Maths, suggested to include Probability and statistics in Semester II for B.Sc., Computer Science. **Dr. P. Anandha Kumar** suggested to include Digital Electronics for B. Sc Computer Science. **Mr.Sivaramakrishnan Senthatty** commented the framed curriculum is neat and balanced framework.

After detailed discussion it was resolved to approve the curriculum and syllabi for the B. Sc Programme. The curriculum and syllabi for B. Sc degree programme with Outcome based Teaching are enclosed in **ANNEXURE VI**



Dr.A.Jaya
Professor and Head
Chairman, Board of Studies