

# **AQAR 2021-22**

**Number of Programmes where SYLLABUS REVISION was  
carried out during the year**

**AQAR 2021-22**

1.1.2 Number of programmes where syllabus revision was carried out during the year

Year	2021-22
Number	26

1.2.2 Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

Year	2021-22
Number	57

S. No.	Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during the year, Percentage of content added or replaced
1	CE	B.Tech. Civil Engineering	2009	Yes	2009	2021-22	<b>58</b>
2	ME	B.Tech. Mechanical Engineering	2009	Yes	2009	2021-22	<b>62</b>
3	PE	B.Tech. Polymer Engineering	2009	Yes	2009	2021-22	<b>37</b>
4	AE	B.Tech. Aeronautical Engineering	2010	Yes	2010	2021-22	<b>30</b>
5	AU	B.Tech. Automobile Engineering	2011	Yes	2011	2021-22	<b>44</b>
6	EE	B.Tech. Electrical & Electronics Engineering	2009	Yes	2009	2021-22	<b>68</b>
7	EC	B.Tech. Electronics & Communication Engineering	2009	Yes	2009	2021-22	<b>44</b>

**Dr. N. RAJA HUSSAIN**  
**Registrar**

S. No.	Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during the year, Percentage of content added or replaced
8	EI	B.Tech. Electronics & Instrumentation Engineering	2009	Yes	2009	2021-22	28
9	CS	B.Tech. Computer Science & Engineering	2009	Yes	2009	2021-22	57
10	AIDS	B.Tech. Artificial Intelligence & Data Science	2020	Yes	2020	2021-22	25
11	CYS	B. Tech. CSE (Cyber Security)	2020	Yes	2020	2021-22	3
12	IOT	B. Tech. CSE (IoT)	2020	Yes	2020	2021-22	3
13	IT	B.Tech. Information Technology	2009	Yes	2009	2021-22	61
14	BT	B.Tech. BioTechnology	2014	Yes	2014	2021-22	45
15	AR	B.Arch.	2010	Yes	2010	2021-22	28
16	DES	B.Des.	2017	Yes	2017	2021-22	81
17	BP	B. Pharmacy	2017	Yes	2017	2021-22	13
18	BBL	BBA LLB (Hons)	2017	Yes	2017	2021-22	8
19	BAL	B.A. LLB (Hons)	2019	Yes	2019	2021-22	Nil
20	BCA	B.C.A.	2016	Yes	2016	2021-22	68
21	BCS	B.Sc. Computer Science	2016	Yes	2016	2021-22	73
22	BBT	B.Sc. Biotechnology	2017	Yes	2017	2021-22	86
23	CGN	B.Com. (General)	2017	Yes	2017	2021-22	83

S. No.	Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during the year, Percentage of content added or replaced
24	CAF	B.Com (Accounts & Finance)	2017	Yes	2017	2021-22	83
25	CGH	B.Com. (Hons.)	2019	Yes	2019	2021-22	37
26	BBF	BBA (Financial Services)	2017	Yes	2017	2021-22	63
27	BBG	BBA (General)	2019	Yes	2019	2021-22	84
28	BAE	B.A English (Hons)	2019	Yes	2019	2021-22	96
29	BIS	B.A. Islamic Studies	2010	Yes	2010	2021-22	35
30	BAP	B.A. Public Policy	2021	Yes	2021	2021-22	New Programme
31	SE	M.Tech. Structural Engineering	2010	Yes	2010	2021-22	Nil
32	CEPM	M.Tech. Construction Engineering & Project Management	2009	Yes	2009	2021-22	Nil
33	CADM	M.Tech. CAD CAM	2009	Yes	2009	2021-22	Nil
34	AVI	M.Tech Avionics	2019	Yes	2019	2021-22	Nil
35	PSE	M.Tech. Power Systems Engineering	2009	Yes	2009	2021-22	Nil
36	VLSI	M.Tech. VLSI & Embedded Systems	2013	Yes	2013	2021-22	Nil
37	CSEN	M.Tech. Computer Science Engineering	2013	Yes	2013	2021-22	Nil
38	MAIDS	M.Tech. Artificial Intelligence and Data Science	2021	Yes	2021	2021-22	New Programme
39	INTE	M.Tech. Information Technology	2009	Yes	2009	2021-22	Nil



S. No.	Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during the year, Percentage of content added or replaced
40	BTE	M.Tech. Biotechnology	2013	Yes	2013	2021-22	Nil
41	MFB	M.Tech. Food Biotechnology	2021	Yes	2021	2021-22	New Programme
42	ARCH	M.Arch	2018	Yes	2018	2021-22	Nil
43	MBA	MBA	2009	Yes	2009	2021-22	29
44	MIEV	MBA (IEV)	2021	Yes	2021	2021-22	New Programme
45	MCA	MCA	2009	Yes	2009	2021-22	20
46	AS	M.Sc. Actuarial Science	2011	Yes	2011	2021-22	Nil
47	CHY	M.Sc. Chemistry	2010	Yes	2010	2021-22	Nil
48	PHS	M.Sc. Physics	2014	Yes	2014	2021-22	Nil
49	MBT	M.Sc. Biotechnology	2013	Yes	2013	2021-22	Nil
50	MCB	M.Sc. Microbiology	2013	Yes	2013	2021-22	Nil
51	MBM	M.Sc. Biochemistry & Molecular Biology	2017	Yes	2017	2021-22	Nil
52	MCM	M.Com.	2020	Yes	2020	2021-22	Nil
53	IST	M.A. Islamic Studies	2016	Yes	2016	2021-22	Nil
54	ODL	MBA	2021	Yes	2021	2021-22	New Programme

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S. No.	Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Year of revision (if any)	If revision has been carried out in the syllabus during the year, Percentage of content added or replaced
55	ODL	MCA	2021	Yes	2021	2021-22	New Programme
56	OL	MBA	2021	Yes	2021	2021-22	New Programme
57	OL	MCA	2021	Yes	2021	2021-22	New Programme

  
**REGISTRAR**

## ANNEXURE 1.1.2

Programmes where Syllabus Revision was carried out  
during the year 2021-22

<b>S. No</b>	<b>Details</b>	<b>Page No</b>
1.	Excerpts of 18 <sup>th</sup> Academic Council Meeting Minutes held on 24.02.2022	2
2.	BoS Meeting minutes of Aerospace Engineering and BoS Meeting minutes of Commerce	16

*Excerpts of Minutes of Academic Council Meeting*



**Minutes of the**

**Eighteenth meeting of the Academic Council  
of**

**B.S. Abdur Rahman Crescent Institute of Science and Technology**

**held on**

**February 24, 2022**

**Online Meeting**



	Projects		
CEDX 16	Advanced Concrete Technology	3	25 %
CEDX 41	Air and Noise Pollution Control	3	20 %
CEDX 42	Solid Waste Management	3	20 %

The Curriculum and syllabi of the courses (III & IV Semester) of B.Tech., Civil Engineering under R 2021 are given in [Annexure 18.6.1](#). The Academic Council may consider and approve the same for implementation from the academic year 2022-2023.

**Resolution:**

After deliberations, the agenda item was approved.

**Item 18.6.2**

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

**Note on Agenda:**

Based on the feedback from faculty members and students, the course 'CEC 4107 - Water Resources Engineering' is introduced as a core course in the VII Semester of B.Tech. Civil Engineering under Regulations 2017.

This was discussed in the 16<sup>th</sup> meeting of Board of Studies of the Department of Civil Engineering and the board has recommended the same for approval. The revised curriculum and syllabus of the course 'CEC 4107 - Water Resources Engineering' of B.Tech Civil Engineering under Regulations 2017 are given in [Annexure 18.6.2](#).

The Academic Council may consider and approve the same.

**Resolution:**

After deliberations, the agenda item was approved.

**SCHOOL OF MECHANICAL SCIENCES**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Item 18.7**

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

**Item 18.7.1**

**To consider and approve the syllabi of (III & IV semester core courses and the elective courses) of B.Tech. Mechanical Engineering under Regulations 2021.**

**Note on Agenda:**

The major revision in the curriculum of B.Tech. Mechanical Engineering under R 2021 & Syllabi of I & II Semester courses were approved in the 17<sup>th</sup> meeting of the Academic Council and accordingly implemented from the year AY 2021-2022.

In the 19<sup>th</sup> meeting of the Board of Studies of Mechanical Engineering Department which was held on 21.12.2021, the syllabi of III & IV Semester Core Courses and the elective courses were deliberated. After deliberations, the board has recommended the same for approval in the Academic Council.

The salient features of the B.Tech. Mechanical Engineering curriculum under R 2021 with respect to 'Introduction of New Courses' and 'Courses with Syllabus Revision' are as follows:

**I. Semester I & II (AY 2021-22)**

**a) New Course introduced:**

Course Code	Course Title	Credits
MED 1211	Engineering Materials	3

**b) Courses with Syllabus revision:**

Course Code	Course Title	Credits	Revision (%)
GED 1101	Engineering Graphics	3	25%
GED 1102	Engineering Design	2	25%
GED 1103	Manufacturing Practices Laboratory	1	20%
GED 1201	Engineering Mechanics	4	20%
MED 1212	Design Appreciation Laboratory	1	20%

**II. Semester III and IV (AY 2022-23)**

**a) New Courses Proposed:**

Course Code	Course Title	Credits
MED 2105	Machine Drawing Laboratory	1
MED 2214	Materials Engineering and Technology	3
MED 2215	Machine Tools and Metrology	4
MEDX61	Advanced Welding Processes	3
MEDX62	Advanced Casting and Forming Process	3
MEDX 81	Powder Metallurgy	3

MEDX 89	Materials for Energy Technologies	2
MEDX 92	Physical Metallurgy	1

**b) Courses with syllabus revision (Proposed):**

Course Code	Course Name	Credits	Revision (%)
MED 2101	Solid Mechanics	3	20%
MED 2102	Engineering Thermodynamics	3	20%
MED 2103	Theory of Machines	4	35%
MED 2104	Basic Manufacturing Processes	3	20%
MED 2106	Mechanics Laboratory	1	20%
MED 2211	Thermal Engineering	4	20%
MED 2212	Fluid Mechanics and Machinery	4	20%
MED2213	Design of Machine Elements	4	20%
MEDX 02	Design of Hydraulics and Pneumatics	3	20%
MEDX03	Noise, Vibration and Harshness	3	20%
MEDX 33	Nuclear Engineering	3	20%
MEDX 43	Combustion of Fuels	2	20%
MEDX 44	Alternate Fuels	1	20%

The curriculum and syllabi of III & IV semester core and elective courses of B.Tech. Mechanical Engineering under R 2021 are given in [Annexure 18.7.1](#). The Academic Council may consider and approve the same for implementation from the academic year 2022-23.

**Resolution:**

After deliberations, the agenda item was approved.

**Item 18.7.2**

**To consider and approve the syllabi of Ph.D. courses offered to Ph.D. Scholars of Mechanical Engineering Department.**

**Note on Agenda:**

In the 19<sup>th</sup> meeting of the Board of Studies of Mechanical Engineering Department, which was held on 21.12.2021, the syllabi of the following courses offered to Ph.D. scholars were deliberated. After deliberations, the board has recommended the same for approval in the Academic Council.

Course Code	Course Name	Credit
MEZ 931	Formulation and Characterization of Friction	3

**SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**Item 18.11**

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

**Item 18.11.1**

To consider and approve the syllabi (III & IV semester) of B.Tech. EEE under Regulations 2021.

**Note on Agenda:**

The major revision in curriculum of B. Tech EEE under R 2021 & Syllabi of I & II Semester courses was approved in the 17th meeting of Academic Council and accordingly implemented from the year AY 2021-2022.

In the 16th meeting of Board of Studies of EEE Department, which was held on 13th December 2021 the syllabi of III and IV semester courses including the professional elective courses were deliberated. After deliberations the board has recommended the same for approval in the Academic Council.

The salient features of the B. Tech. EEE curriculum under R 2021 with respect to 'Introduction of New Courses' and 'Courses with Syllabus Revision' are as follows:

**I. Semester I & II (AY 2021-22)**

**a) New Courses introduced:**

Course Code	Course Title	Credits
GED 1202	Basic Electrical and Electronics Engineering	4
GED 1204	Basic Electrical and Instrumentation Engineering	4
GED 1203	Basic Electrical Engineering	4
EED 1202	Signals and Systems	3
EED 1201	Electric and Magnetic Circuits	3

**b) Courses with Syllabus revision:**

Course Code	Course Name	Credits	Revision (%)
GED 1103	Manufacturing Practices Laboratory	1	20%
EED 1203	Electric Circuits Laboratory	1	60%

## II. Semester III and IV (AY 2022-23)

### a) New Courses Proposed:

Course Code	Course Title	Credits
EED 2104	Transmission and Distribution	3
EED 2205	Python for Electrical Engineers	3
EEDX62	Solar Energy Technology	3

### b) Courses with syllabus revision (Proposed):

Course Code	Course Name	Credits	Revision (%)
EED 2101	Electronic Devices	3	25%
EED 2102	Electro Magnetic Theory	3	25%
EED 2103	Electromechanical Energy Conversion	3	50%
EED 2105	Electronic Devices Laboratory	1	30%
EED 2106	Electromechanical Energy Conversion Laboratory	1	20%
EED 2201	AC Machines	3	25%
EED 2202	Digital Electronics	3	25%
EED 2203	Electrical Measurement and Instrumentation	3	40%
EED 2204	Power System Protection	3	25%
EED 2206	AC Machines Laboratory	1	20%
EED 2207	Digital Electronics Laboratory	1	20%
EEDX02	Electric Energy Generation, Utilization and Conservation	3	20%
EEDX 12	Network Analysis and Synthesis	3	20%

The curriculum and syllabi of the courses (III & IV semester) of B. Tech. EEE under R 2021 are given in [Annexure 18.11.1](#). The Academic Council may consider and approve the same for implementation from the academic year 2022-23.

### **Resolution:**

After deliberations, the agenda item was approved.



### **Item 18.11.2**

To consider and ratify the revision in the curriculum & syllabi of M.Tech Power Systems Engineering under R 2019.

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

The course EEDY 040 - 'Electric Vehicle and Power Management' was included as an elective course in the curriculum of M.Tech. (Power Systems Engineering) under Regulations 2019. This revision was deliberated in the 16<sup>th</sup> Meeting of Board of Studies of the Department of Electrical and Electronics Engineering and the board has recommended the same for ratification with effect from AY 2021-22.

The ratified curriculum of M.Tech PSE under R 2019 & syllabus of the course EEDY 040 -'Electric Vehicle and Power Management' are given in [Annexure 18.11.2](#).

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

#### **Resolution:**

The agenda item was ratified with effect from the academic year 2021-22.

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **Item 18.12**

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

#### **Item 18.12.1**

**To consider and approve the syllabi of III & IV semester (Core and Professional elective courses) of B.Tech. ECE under Regulations 2021.**

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

The major revision in curriculum of B.Tech. ECE programme under R 2021 & Syllabi of I & II semester courses was approved in the 17<sup>th</sup> meeting of Academic Council and accordingly implemented from the year AY 2021-2022.

In the 22<sup>nd</sup> meeting of Board of Studies of B.Tech. ECE Department which was held on 14-12-2021, the syllabi of III & IV Semester Courses including professional elective courses of B.Tech. ECE programme under R 2021 were deliberated. After deliberations, the board has recommended the same for approval in the Academic Council.

The salient features of the B.Tech. ECE curriculum under R 2021 with respect to

BTDX72	Transport phenomena in Bioprocess	3	20%
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The curriculum and syllabi of the courses (III to VIII Semester) of B.Tech. Biotechnology under R 2021 are given in [Annexure 18.18.1](#)

The Academic Council may consider and approve the same for implementation from the academic year 2022-23.

**Resolution:**

After deliberations, the agenda item was approved.

**Item No.18.18.2**

**To consider and approve the syllabi (III to VI semester) of B.Sc. Biotechnology under Regulations 2021.**

**Note on Agenda:**

The major revision in curriculum of B.Sc. Biotechnology under R 2021 & Syllabi of I & II Semester courses was approved in the 17<sup>th</sup> meeting of Academic Council and accordingly implemented from the AY 2021-2022.

In the 8<sup>th</sup> meeting of Board of Studies of School of Life Sciences, which was held on 05 July 2021, the syllabi of III to VI Semester Courses were deliberated. After deliberations the board has recommended the same for approval in the Academic Council.

The salient features of the B.Sc. Biotechnology curriculum under R 2021 with respect to 'Introduction of New Courses' and 'Courses with Syllabus Revision' are as follows:

**I. Semester I & II (AY 2021-22)**

**a) New Courses introduced:**

Course Code	Course Name	Credits
LSD 1201	Biomolecules	4
LSD 1202	Biomolecules Laboratory	2
LSD 1204	Basics of Genetics Laboratory	2
LSDX 003	Environmental Biotechnology	4
LSDX 004	Environmental Biotechnology Laboratory	2
LSDX 005	Pharmacology	4
LSDX 006	Pharmacology Laboratory	2
LSDX 007	Biopharmaceutics and Pharmacokinetics	4
LSDX 008	Biopharmaceutics and Pharmacokinetics Laboratory	2

LSDX 009	Waste Management	4
LSDX 010	Waste Management Laboratory	2
LSDX 012	Herbal Technology Laboratory	2

**b) Courses with syllabus revision:**

Course Code	Course Name	Credits	Revision (%)
LSD 1101	Cell Biology	4	20%
LSD 1102	Cell Biology Laboratory	2	20%
LSD 1103	Microbiology	4	20%
LSD 1104	Microbiology Laboratory	2	20%
LSD 1203	Basics of Genetics	4	20%

**II. Semester III and IV (AY 2022-23)**

**a) New Courses Proposed:**

Course Code	Course Name	Credits
LSD 2106	Enzymology Laboratory	2
LSD 2104	Molecular Biology Laboratory	2
LSD 2204	Medical Biotechnology Laboratory	2
LSDX 014	Biostatistics and experimental designing Laboratory	2
LSDX 016	Bioinstrumentation Laboratory	2
LSDX 017	Phytochemistry	4
LSDX 018	Phytochemistry Laboratory	2
LSDX 019	Artificial Intelligence in Medicine	4
LSDX 020	Artificial Intelligence Laboratory	2
LSDX 021	Intellectual Property Rights	4
LSDX 022	Patent drafting and application Laboratory	2
LSDX 023	Bioentrepreneurship	4
LSDX 024	Bioentrepreneurship Laboratory	2

**b) Courses with syllabus revision (Proposed):**

Course Code	Course Name	Credits	Revision (%)
LSD 2101	Biochemistry	4	20%
LSD 2102	Biochemistry Laboratory	2	20%
LSD 2103	Molecular Biology	4	20%

LSD 2105	Enzymology	4	20%
LSD 2201	Bioprocess Technology	4	20%
LSD 2202	Bioprocess Technology Laboratory	2	20%
LSD 2203	Medical Biotechnology	4	20%
LSD 2205	Bioinformatics	4	20%
LSD 2206	Bioinformatics Laboratory	2	20%

### III. Semester V & VI (AY 2023-24)

#### a) New Courses Proposed:

Course Code	Course Name	Credits
LSDX 052	Disease Management Laboratory	2
LSDX 054	Cytogenetics Laboratory	2
LSDX 056	Agricultural Biotechnology Laboratory	2
LSDX 058	Nanobiotechnology Laboratory	2
LSDX 059	Regenerative Medicine	4
LSDX 060	Regenerative Medicine Laboratory	2
LSDX 062	Cancer Biology Laboratory	2
LSDX 063	Developmental Biology	4
LSDX 064	Developmental Biology Laboratory	2
LSDX 066	Food Biotechnology Laboratory	2
LSDX 068	Biofertilizer Technology Laboratory	2
LSDX 069	Computer aided Drug Design	4
LSDX 070	Computer aided Drug Design Laboratory	2
LSDX 071	Biomass and Bioenergy	4
LSDX 072	Biomass and Bioenergy Laboratory	2
LSDX 074	rDNA Technology Laboratory	2
LSDX 076	Industrial Biotechnology Laboratory	2
LSDX 077	Molecular Farming	4
LSDX 078	Molecular Farming Laboratory	2
LSDX 080	Biophysics Laboratory	2
LSDX 081	Molecular Diagnostics	4
LSDX 082	Molecular Diagnostics Laboratory	2
LSDX 083	Downstream Process	4

LSDX 084	Downstream Process Laboratory	2
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**b) Courses with syllabus revision (Proposed):**

Course Code	Course Name	Credits	Revision (%)
LSD 3101	Plant Biotechnology	4	20%
LSD 3102	Plant Biotechnology Laboratory	2	20%
LSD 3103	Animal Biotechnology	4	20%
LSD 3104	Animal Biotechnology Laboratory	2	20%
LSD 3201	Immunotechnology	4	20%
LSD 3202	Immunotechnology Laboratory	2	20%
LSD 3203	Genomics and Proteomics	4	20%
LSD 3203	Genomics and Proteomics Laboratory	2	20%

The curriculum and syllabi of the courses (III to VI Semester) of B.Sc. Biotechnology under R 2021 are given in [Annexure 18.18.2](#).

The Academic Council may consider and approve the same for implementation from the academic year 2022-23.

**Resolution:**

After deliberations, the agenda item was approved.

**Item No. 18.18.3**

**To consider and approve the syllabi (III & IV semester) of M.Tech. Food Biotechnology under Regulations 2019.**

**Note on Agenda:**

The major revision in curriculum of M.Tech. Food Biotechnology under R 2019 & Syllabi of I & II Semester courses was approved in the 17<sup>th</sup> meeting of Academic Council and accordingly implemented from the AY 2021-2022.

In the 8<sup>th</sup> meeting of Board of Studies of School of Life Sciences, which was held on 05 July 2021, the syllabi of III & IV Semester Courses were deliberated. After deliberations, the board has recommended the same for approval in the Academic Council.

The salient features of the M.Tech. Food Biotechnology curriculum under R 2019 with respect to 'Introduction of New Courses' and 'Courses with Syllabus Revision' are as follows:

**I. Semester I & II (AY 2021-22)**



LTD 7112	Project Work (Phase I)	6
LTD 7121	Project Work (Phase II)	18
LTDY 086	Dairy Technology	3
LTDY 087	Food Nutrigenomics	3
LTDY 088	Food Product Design and Development	3
LTDY 089	Food Regulatory Affairs and Food Certification	3
LTDY 090	Global Food Marketing Development & Aid Policy	3
LTDY 091	Food Safety Assessment	3

The curriculum and syllabi of the courses (III to IV Semester) of M.Tech. Food Biotechnology under R 2019 are given in [Annexure 18.18.3](#).

The Academic Council may consider and approve the same for implementation from the academic year 2022-23.

**Resolution:**

After deliberations, the agenda item was approved.

**CRESCENT SCHOOL OF BUSINESS**  
**DEPARTMENT OF MANAGEMENT STUDIES**

**Item No. 18.19**

**To consider and approve the recommendations of the board of studies of the Crescent School of Business**

**Item No. 18.19.1**

**To consider and approve the syllabi of (III & IV semester) of MBA under Regulations 2021**

**Note on Agenda:**

The major revision in the curriculum of MBA under R 2021 & syllabi of I & II semester courses was approved in the 17<sup>th</sup> meeting of Academic Council and accordingly implemented from the AY 2021-2022.

In the 12<sup>th</sup> meeting of Board of Studies of Crescent School of Business, which was held on 28<sup>th</sup> January 2022, the syllabi of III & IV semester courses were deliberated. After deliberations, the board has recommended the same for approval in the Academic Council.

The salient features of the MBA curriculum under R 2021 with respect to 'Introduction of New Courses' and 'Courses with Syllabus Revision' are as follows:

**I. Semester I & II (AY 2021-22)**

**a) New Courses introduced:**

Course Code	Course Name	Credit
MSE 6103	Statistics for Decision Making	4
MSE 6108	Computer Applications in Business Lab	1
MSE 6109	Business Communication Lab	1
MSE 6203	Corporate Finance	4
MSE 6204	Operations Management	4

**b) Courses with Syllabus revision:**

Course Code	Course Name	Credits	Revision (%)
MSE 6104	Accounting for Managers	4	80%
MSE 6204	Operations Management	4	80%

**II. Semester III & IV (AY 2022-23)**

**a) New Courses (Proposed):**

Course Code	Course Name	Credit
MSE 7101	Managing Disruptive Technologies	4
MSEY 016	Behavioural and Personal Finance	4
MSEY 018	Financial Management	4
MSEY 064	Materials Management	4
MSEY 069	Applied Operations Research	4
MSEY 086	Managing Family Business	4
MSEY 131	Fundamentals of Banking	4
MSEY 132	Legal Aspects of Banking	4
MSEY 133	Risk Management in Banks	4
MSEY 134	Retail Banking	4
MSEY 135	Treasury and Derivative Management	4
MSEY 136	International Banking and Forex Management	4
GEEY 127	Food and Agri Tech Business	4
GEEY 130	NGO Management	4

**b) Courses with Syllabus revision (Proposed):**

Course Code	Course Name	Credits	Revision (%)
MSEY 019	Financial Markets and Services	4	90%
MSEY 020	Financial Technology	4	70%
MSEY 036	Strategic Human Resource Management	4	60%
MSEY 061	Supply Chain Management	4	80%
MSEY 121	R Programming for Business Research Analytics	4	60%
MSEY 122	Python Programming	4	50%
MSEY 123	Data Visualization	4	90%
MSEY 141	Design Thinking and Innovation	2	90%
MSEY 142	Strategic Leadership and Governance	2	90%
MSEY 143	Sustainability Management	2	90%
MSEY 144	Balanced Score Card	2	90%
GEEY 128	Research Methodology and Data Analysis	4	70%
GEEY 129	Business Analytics	4	40%
GEEY 131	Management of Rural Business	4	60%

The curriculum and syllabi of the courses (III & IV Semester) of MBA under R 2021 are given in [Annexure 18.19.1](#)

The Academic Council may consider and approve the same for implementation from the academic year 2022-23.

**Resolution:**

After deliberations, the agenda item was approved.

**Item No. 18.19.2**

**To consider and approve the syllabi (II semester) of MBA IEV under Regulations 2021**

**Note on Agenda:**

The new curriculum of MBA IEV under R 2021 and syllabi of I semester courses was approved in the 17<sup>th</sup> meeting of Academic Council and accordingly implemented from the AY 2021-2022.

The Academic Council may consider and approve the same for implementation from the academic year 2022-23.

**Resolution:**

After deliberations, the agenda item was approved.

**Vote of thanks by Dean (Academic Affairs)**

The Dean AA thanked all the members of the Academic Council, in particular, the expert members from Academia and industry for their valuable time, active participation and excellent suggestions for the holistic development of the institution.

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**REGISTRAR**  
REGISTRAR  
B.S. Abdur Rahman  
**Crescent**  
Institute of Science & Technology  
Vandalur, Chennai-600 048

**VICE CHANCELLOR**



## DEPARTMENT OF AEROSPACE ENGINEERING

### Minutes of 15<sup>th</sup> Board of Studies (BoS) meeting of Aerospace Engineering Department

The BoS Meeting of Aerospace Engineering Department, BSACIST was held on 11.12.2021 at 10.00 am through google meet online platform to discuss and decide detailed syllabi for courses offered in 3<sup>rd</sup> & 4<sup>th</sup> Semesters of B.Tech (Aeronautical Engineering) program under Regulation 2021. The following members participated in the meeting:

S. No	Name of the Person	Particulars
1.	Dr.P.N.Kadiresh	Chairman BoS, Aerospace Dept, BSACIST
2.	Dr. S. Rasool Mohideen	Ex-officio, Professor & Dean (SMS), BSACIST
3.	Dr.G.Balamurugan	External - Member Sc 'G', Head – Structural Design Group, NAL, Bangalore
4.	Dr.K.M.Parammasivam	External - Member Professor, Department of Aerospace Engg., MIT Campus, AU Chennai
5.	Dr.S.K.Karthick	Special Invitee. Post-Doctoral Fellow, Faculty of Aerospace Engineering, Israel institute of Technology, Haifa, Israel.
6.	Mr.S.Karthikeyan	AP, Aerospace Dept., BSACIST
7.	Mr.S.V.Karthikeyan	AP, Aerospace Dept., BSACIST
8.	Mr.M.Magesh	AP, Aerospace Dept., BSACIST
9.	Mr.Sri Nithya Mahottamananda	AP, Aerospace Dept., BSACIST
10.	Mr. S.Arul Mozhiselvar	AP, Aerospace Dept., BSACIST

The BoS chairman, HoD of Aerospace Engineering Department, welcomed all the BoS members & representatives and introduction of members were done. Then HoD had given briefing about periodic major curriculum revision carried out at Crescent at every 4<sup>th</sup> year and guidelines to be followed (from AICTE Model Curriculum) for drafting the R2021 curriculum for B.Tech (Aeronautical Engineering) program. Then semester-wise (III, IV and Elective) draft syllabus was presented to the BoS members for discussion. The following points have emerged out from the detailed discussion carried out:

*P.N. Kadiresh*





**Semester III**

Sl.No	Course code & Name	Experts Suggestions
1.	AED 2101 Solid Mechanics	Module IV – Leaf spring concept needs to be introduced Module V – Thick -walled pressure vessel topic needs to be introduced
2.	AED 2102 Engineering Thermodynamics	Module III – add introduction to electric vehicles Module IV – Aircraft Cabin Air conditioning topic can be added
3.	AED 2103 Fluid Mechanics	Module I – In pressure measurement devices topic - introduce latest measuring techniques Module IV – Thermal boundary layer topic needs to be included In reference electronic version of "Gallery of Fluid" to be added
4.	AED 2104 Aircraft Materials and Manufacturing Processes	Module V – Riveting topic needs to be added
5.	AED 2105 Aircraft Component and Assembly Drawing laboratory	In first experiment delete the word "introduction" Change word "Design" to "modelling" in respective experiments. Change "control system" to "Control Surfaces" Change 11 <sup>th</sup> experiment name to "CAD modelling software"

*P. N. Radhank*

PROFESSOR & HEAD  
Department of Aerospace Engineering  
B.S. Abdur Rahman  
**Crescent**  
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Vandalur, Chennai-600 048.



**Semester IV**

Sl.No	Course code & Name	Experts Suggestions
1.	AED 2211 Low Speed Aerodynamics	Module V – Thermal boundary layer topic needs to be included
2.	AED 2212 Aircraft Structural Mechanics	Module V – Introduce composite failure theory as case study
3.	AED 2213 Propulsion I	Module II – Change title to propeller theory Add helicopter, drone, and marine propellers.
4.	AED 2214 Aircraft Systems and Instruments	Module IV – Add topic "Cabin Pressurisation control System" Module V – Wheel speed Transducer, and INS topic must be added
5.	AED 2215 Experimental Aerodynamics	In Module I and II title remove the word "introduction" Module III – Introduce Skin friction drag calculation Module IV – add Oil Flow Visualization topic Textbook for hypersonic facilities need to be added
6.	AED 2216 Solid Mechanics Laboratory	No changes

**Elective Courses**

Sl.No	Course code & Name	Experts Suggestions
1.	AEDX 01 Industrial Aerodynamics	Module I – add Thermal Boundary layer topic Module II – Formula I racing car aerodynamics - topic can be added Module IV – Introduce Urban heat dispersion in the content Module V – Introduce Volcanic eruption and nuclear bomb explosion topic as case study
2.	AEDX 08 Space Mechanics	Module I – add topics related to ionosphere
3.	AEDX 16 Machine Design	Module IV – Instead of balancing of IC engine, Gas turbine engine balance to be considered

*P. N. Kadhim*  
 PROFESSOR & HEAD  
 Department of Aerospace Engineering  
 B.S. Abdur Rahman  
**Crescent**  
 Institute of Science & Technology





The salient features of the B.Tech Aeronautical Engineering curriculum under R 2021 with respect to 'Introduction of New Courses' and 'Courses with Syllabus Revision' are as follows:

**I. Semester I & II (AY 2021-22)**

**a) New Courses introduced:**

Course Code	Course Title	Credits
AED 1211	Basics of Aeronautical Engineering	3

**b) Courses with Syllabus revision:**

Course Code	Course Name	Credits	Revision (%)
	NIL		

**II. Semester III and IV (AY 2022-23)**

**a) New Courses Proposed:**

Course Code	Course Title	Credits
AED 2014	Aircraft Material and Manufacturing Processes	3
AED 2213	Propulsion I	3
AED 2215	Experimental Aerodynamics	4
AEDX 08	Space Mechanics	3
AEDX 16	Machine Design	3
AEDX 25	Aviation Rules and Regulation	3

**b) Courses with syllabus revision (Proposed):**

Course Code	Course Name	Credits	Revision (%)
AED 2102	Engineering Thermodynamics	4	25%
AED 2103	Fluid Mechanics	4	25%
AED 2105	Aircraft Component and Assembly Drawing Laboratory	1	30%
AED 2214	Aircraft Systems and Instruments	4	25%

**Other Points:**

- Changes made in the 14<sup>th</sup> BoS had been approved by the members
- Committee member have suggested to add relevant case studies in courses to have better understanding of the concepts taught.
- Latest or updated version of text books and references need to be added in the syllabus.

At the end of BoS meeting, Prof. P.N.Kadiresh, HoD/Aero, thanked the expert members, special invitee and other participating members for their valuable time and suggestions. The entire discussion session was recorded for the future reference.

Dr. G. Balamurugan  
(External Member)

Dr. K.M. Parammasivam  
(External Member)

Dr. S.K. Karthick  
(Special Invitee)

Dr. P.N. Kadiresh, HOD-Aerospace Engg  
(Chairman-BOS)

Dr. S. Rasool Mohideen, Dean (SMS)  
(Ex-officio)

PROFESSOR & HEAD  
Department of Aerospace Engineering  
B.S. Abdur Rahman  
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**Department of Commerce**

**Minutes of the Online BOS Meeting for Regulation 2021 of B.Com (General), B.Com (Accounts & Finance), B.Com (Honours), BBA (General), and BBA (Financial Services) – Syllabi from third semester to sixth semester held on 11.12.2021 at 10:30 a.m. and 13.12.2021 at 2:00 p.m.**

**Online platform: Google Meet**

**The following members were present:**

<b>NAME</b>	<b>DESIGNATION</b>
Dr. Ayub Khan Dawood	Dean
Dr. Afzalur Rahman	HOD
Ms. Ifra Fathima.I	Assistant Professor
Ms. S. Farzana	Assistant Professor
Dr. Mohsin Khan	Assistant Professor
Dr. Krupa B Nair	Assistant Professor
Dr. Indumathi	Assistant Professor
Dr. Radhika .R	Assistant Professor
Dr. Porkodi T	Assistant Professor
Dr. Vidhya S	Assistant Professor
Dr. M.S. Haji Sheik Mohammed	Dean (Academics Affairs)
Dr. B. Devamaindhan	External Member Associate Professor & Head, Dept. of Management Studies, IDE, University of Madras
Dr. K. Soundarapandiyan	External Member Professor of Management Studies, Sri Sairam Institute of Management Studies
Mr. R.G. Newton Reginald	External Member General Manager: IPR India Filling PVT Ltd. Chetpet, Chennai
Dr. Syed Shaukath Hussain	External Member Director (Administration) AFCIL Industries Ltd
Dr. R. Panchalan	External Member Professor & Head Department of Commerce, Institute of Distance Education, University of Madras
Dr. C. Vethirajan	External Member Professor and Head Dept. of Corporate Secretaryship, School of Management, Alagappa University

Ms. M. Sandhya	Alumna BBA (Financial Services) Batch: 2017-20
Ms. Afreen Begum S	Alumna B.Com (Accounts and Finance) Batch: 2017-20

Dr. Afzalur Rahman, Head of the Department of Commerce, chaired the meeting and welcomed all the members to the Board of Studies meeting. Having confirmed the quorum of the meeting, the following agenda item was taken up for discussion:

- To review and finalise the syllabi for all programmes from the third to sixth semesters for Regulation 2021.
- To discuss the evaluation pattern of one credit and the NSS course

The following are the agenda items presented in the meeting and subsequent deliberations:

1. **To discuss and finalise the curriculum and syllabi for B.Com. (General) – Annexure 1**

#### **Deliberations and outcomes**

- The content of all courses from the third semester to the sixth semester for B.Com. General has been presented and approved by board members.

#### **The following suggestions were also provided by the board members:**

- Dr. Panchalan and other board members suggested including the topic “Independent director” and new amendments to the company's Act 2013 in Corporate Law (COD 2102). The suggestion taken into consideration.
- Dr. Panchalan suggested to include topics related to Operating Research in Business Mathematics and Statistics (COD 2103). The suggestion is not taken into consideration.
- Mr. Panchalan suggested to change the title of "Fundamentals of Financial Management" to "Financial Management" (COD 2202). The suggestion taken into consideration.
- Dr. Panchalan and Dr. B. Devamaindhan suggested that the title should be changed to "Entrepreneurial Development" rather than "Entrepreneurship Development" (COD 2203). The suggestion is not taken into consideration.
- Dr. C. Vethirajan and Dr. Panchalan suggested changing the title of Module II as “Funds Flow and Cash Flow Analysis” in the course Financial Statement Analysis and Reporting (CODX 03). The suggestion taken into consideration.



- Dr. Panchalan and other board members suggested including Employee Attrition (retention), Employee Engagement, and E-HRM in Training and Development and also adding Quality of Work-Life by Dr. K. Soundarapandiyam in Human Resource Management (CODX 11). The suggestion taken into consideration.
- Dr. R. Panchalan suggested including Government Programmes on the start up of a business in any of the modules in Business Incubation (CODX 12). The suggestion taken into consideration.
- Dr. K. Soundarapandiyam suggested incorporating
  - i. PPF, NPF, and Adult Pension Yojana (APY) into any one of the modules and
  - ii. having a sub-division in negotiable instruments and non-negotiable instruments in Module II for better understanding in Personal Finance and Planning (CODX 13). Point one only taken into consideration.
- Dr. Panchalan and other board members suggested splitting the paper into two divisions as “Industrial Relations” and “Labour Laws” in Industrial Relation and Labour Laws (CODX 22). The suggestion is not taken into consideration.
- Dr. R. Panchalan and Dr. B. Devamaindhan suggested updating the new amendments in the Consumer Protection Act 2019 in Module-III and also updating the syllabus as per the new amendment in the paper entitled Consumer Affairs (CODX 23). The suggestion taken into consideration.
- Dr. R. Panchalan and other board members suggested removing the word "personal" from the course name and having it as "Tax Planning and Tax Management" in Personal Tax Planning and Tax Management (CODX 33). The suggestion taken into consideration.
- Dr. R. Panchalan suggested changing the Module-I title as “Tax Planning and Management” in place of “Tax Planning and Tax Management” for the paper entitled Business Tax Procedures and Management (CODX 42). The suggestion taken into consideration.
- Dr. R. Panchalan suggested updating the concept of demonetisation and its impact in any one of the modules in the course entitled Indian Economy (CODX 52). The suggestion taken into consideration.
- Dr. R. Panchalan suggested to add the “latest developments in the Banking Sector” and “Mergers and Acquisitions in banking” in the paper entitled "Banking and Insurance (CODX 61)". The suggestion taken into consideration.
- Dr. R. Panchalan suggested that in Module-III Business Communication Topic was too vast. Instead, we could include the role of communication in team building in the course entitled Event Management (CODX 62). The suggestion taken into consideration.
- Module – V title changed from “DEMAT Account” to “Online Trading” in the course entitled "Stock Market Operation” (CODX 72). The suggestion taken into consideration.

- Dr. R. Panchalan suggested including the concept of digitalisation in any of the modules in the course entitled "Public Administration and Business (CODX 81)". The suggested topic already exists in the course contents.
  - Dr. R. Panchalan and other board members suggested incorporating the concept of payment banks and small finance banks in any of the banking related topic in the course entitled "Rural Development (CODX 82)". The suggestion taken into consideration.
2. **To discuss and finalise the curriculum and syllabi for B.Com. (Accounts and Finance). - Annexure 2**

#### **Deliberations and outcomes**

- The contents of all courses from the third semester to the sixth semester for B.Com. Accounts and Finance have been presented and approved by board members.

#### **The following suggestions were also provided by the board members:**

- In the course Corporate and Business Law (COD 2111), Mr. R.G. Newton Reginald proposed changing the title of Module – I “Preliminary to Companies Act 2013” to “Prelude to Companies Act 2013”. The suggestion is not taken into consideration.
- It was decided to consider the same suggestions for common courses.

3. **To discuss and finalise the curriculum and syllabi of B.Com. (Honours) - Annexure 3**

#### **Deliberations and outcomes**

- The contents of all courses from the third semester to the sixth semester for B.Com. Honours have been presented and approved by board members.

#### **The following suggestions were also provided by the board members:**

- Dr. B. Devamaindhan recommended including Yunus theory in any of the modules in the course entitled Micro Finance (CODX 252). The suggestion taken into consideration.
- It was decided to consider the same suggestions for common courses.

4. **To discuss and finalise the curriculum and syllabi of BBA (General) - Annexure 4**

#### **Deliberations and outcomes**

- Board members reviewed and approved the content of all BBA (General) courses from the third to the sixth semesters.
- Courses integrated as per the ACCA curriculum have been highlighted and deliberated.

#### **The following suggestions were also provided by the board members:**

- Dr. R. Panchalan suggested changing the title of Module II to “International Trade Theories” instead of “International Trade” in the course entitled International Business (COD 2231). The suggestion taken into consideration.
  - Dr. R. Panchalan suggested changing the title of Module IV to “Strategic Formulation and Implementations” in the course entitled Strategic Management (COD 3231). The suggestion taken into consideration.
  - Dr. R. Panchalan suggested changing the title of Module I “Introduction” in the course entitled Operational Research (COD X 302). The suggestion taken into consideration.
  - Dr. R. Panchalan suggested changing the title of Module-II as "Process of IMC Communication" in the course entitled Integrated Marketing Communication (COD X 303). The suggestion taken into consideration.
  - Dr. R. Panchalan suggested changing the suitable titles of Module – IV and Module – V associated with the content of the syllabus in the course entitled Industrial Relation and Legislation (COD X 311). The suggestion is not taken into consideration.
  - Dr. R. Panchalan suggested including the word "Recent trends in CRM" in Module-V of the course entitled Customer Relationship Management (CODX 321). The suggestion taken into consideration.
  - Dr. B. Devamaindhan recommended including “up-selling and cross-selling” in the course entitled Selling Skills and Application Process (CODX 322). The suggestion is not taken into consideration.
  - Dr. R. Panchalan suggested giving an attractive title according to the supporting document for the course entitled Mutual Fund Market Research and Sales (CODX 361). The suggestion is not taken into consideration.
  - Board members suggested considering the same suggestions for common courses.
5. **To discuss and finalise the curriculum and syllabi of BBA (Financial Services) - Annexure 5**

### **Deliberations and outcomes**

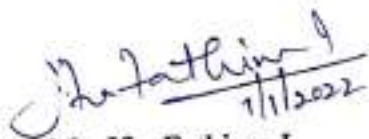
- The content of all courses from the third semester to the sixth semester for BBA (Financial Services) has been presented and approved by board members.
- Courses integrated as per the CIMA curriculum have been highlighted and deliberated.

### **The following suggestions were also provided by the board members:**

- Board members suggested considering the same suggestions for common courses.
- Dr. R. Panchalan suggested adding FEMA Act to the course entitled "International Finance (COD 3241)". The suggestion taken into consideration.

- Dr. R. Panchalan suggested adding FEMA Act to the course entitled "International Finance (COD 3241)". The suggestion taken into consideration.
  - Dr. R. Panchalan suggested including latest amendment of company law (2013) in Module-III in the course entitled Introduction to Business Law (CODX 401). The suggestion taken into consideration.
  - Dr. R. Panchalan suggested including the topic of "Cultural Environment" in the course Business Environment (CODX 411). The suggestion taken into consideration.
6. **To discuss and finalise the NSS and one-credit paper evaluation procedure - Annexure 6**
- The evaluation procedure for the following courses, such as "COD 1105 Introduction to Indian Constitution," "COD 1204 Public Speaking and Presentation Skills," "COD 2104 Book Review," "COD 2204 Blog Writing," "COD 3104 Case Study Analysis," "COD 3203 Current Business Affairs," and "COD 3103 National Service Scheme" offered for B.Com and B.B.A Programmes under the regulations of 2021 has been presented and approved by the board members.


The meeting adjourned with a vote of thanks.

  
1/1/2022

Ms. Ifra Fathima I  
Co-ordinator, BOS

  
7/01/22

Dr. Afzalur Rahman  
Chairman, BOS

  
6/1/2022

Dr. Ayub Khan Dawood  
Dean, School of Social Science and Humanities