



REVA
UNIVERSITY
Bengaluru, India

PROCEEDINGS
of the
ACADEMIC COUNCIL MEETING

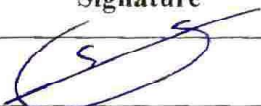
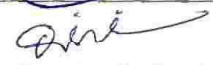

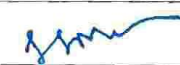



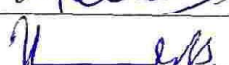
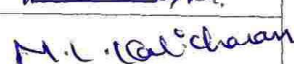
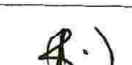



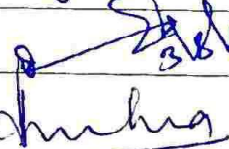
2018-19

ACADEMIC COUNCIL MEETING

Date: 3rd August, 2018

Time: 11.00 AM

Venue: Conference Hall, Administrative Block

Sl. No	Name of the Members	Designation	Signature
1	Dr. S Y Kulkarni, Vice Chancellor	Chairperson	
2	Dr. M Dhananjaya Registrar	Member Secretary	
3	Dr. P Ramachandra Registrar (Evaluation)	Member	
4	Deans of Faculties		
(i)	Dr. Sunil Kumar Manvi, Dean of Engineering & Technology	Member	
(ii)	Dr. N Ramesh Dean, Training, Placement and Planning and Dean, Faculty of Science and Technology	Member	
(iii)	Dr. M. Dhananjaya Registrar and Dean, Faculty of Commerce and Management Studies	Member	
(iv)	Dr. G Beena Dean, Faculty of Arts and Humanities	Member	
(v)	Dr. Vimala Swamy Faculty of Architecture	Member	
(vi)	Prof. M L Kalicharan Faculty of Law	Member	
5	Directors of Schools		
(i)	Prof. R C. Biradar Director, School of Electronics and Communication Engineering	Member	
(ii)	Prof. Y Ramalinga Reddy Director, School of Civil Engineering	Member	
(iii)	Dr. Rajashekar Mandi Director, School of Electrical and Electronics Engineering	Member	 3/8/2018
(iv)	Dr. Narayanaswamy K S Director, School of Mechanical Engineering	Member	 3/8/18
(v)	Dr. Shubha A Director, School of Commerce & Management Studies	Member	

(vi)	Dr. S Senthil, Director, School of Computer Science & Applications	Member	S. Senthil 3/8/18
(vii)	Dr. Payel Dutta Chowdhury Director, Faculty of Arts and Humanities	Member	Payel
(viii)	Dr. Vasanth Kiran Rayasam Director, School of Performing Arts	Member	V. Kiran
6	Professors Nominated by the Vice-Chancellor		
(ii)	Dr. R Venkata Shiva Reddy Professor, School of Electronics & Communication Engineering	Member	R. Reddy
(iii)	Dr. P Shivananda Professor, School of Civil Engineering	Member	P. Shivananda
7	Associate Professors		
(i)	Dr. Prof. B S Raju School of Mechanical Engineering	Member	B. S. Raju 3/8/17
(ii)	Dr. D V Sunitha, School of Physical Science	Member	D. V. Sunitha
(iii)	Prof. Shubhi Sonal School of Architecture	Member	-
(iv)	Dr. M. Subramanyam School of Commerce	Member	M. Subramanyam
8	Eminent Persons Nominated by the		
(i)	Dr. Sridhar Mitta Next Wealth Entrepreneurs, Bengaluru Mobile: 9845016080, e-mail: sridhar.mitta@nextwealth.in	Member	-
(ii)	Dr. V Ramachandra Vice-President (Technical) Ultratech Cement, Mumbai Ph:9743247985, Email ID: Ramachandra.v@adityabirla.com	Member	V. Ramachandra
(iii)	Dr. Hubert Reilard 16 C & D, KIADB Industrial Area, Attibele, Bengaluru-562107 Ph: 98450 29282, e-mail: ein@in.efdgroun.net	Member	-
(iv)	Dr. V G Talawar Advisor, REVA University	Member	V. G. Talawar



9	Dr. S R Shankapal Dean, Internal Quality and Assurance Cell, REVA University	Member	<i>S.R. Shankapal</i>
10	Dr. B P Divakar Dean, Research and Innovation Council	Member	<i>B.P. Divakar</i>
11	Dr. Shinu Abhi Director, Corporate Training	Member	<i>Shinu Abhi</i>
12	Dr. Kiran Kumari Patil Director University Industry Interaction Centre	Member	<i>Kiran Kumari Patil</i>
13	Smt. S Saraswathi Chief Librarian	Member	<i>Saraswathi S</i>
14	Dr. Deepak C S Director-Physical Education	Member	<i>Deepak C S</i>

Proceedings of the Fourteenth Academic Council meeting held on 3rd August, 2018 (11.00 AM) at the Conference Hall, Administrative Block, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru – 560 064

Members Present:

Sl. No	Name of the Members	Designation
1	Dr. S Y Kulkarni, Vice Chancellor	Chairperson
2	Dr. M Dhanamjaya Registrar	Member Secretary
3	Dr. P Ramachandra Registrar (Evaluation)	Member
4	Deans of Faculties	
(i)	Dr. Sunil Kumar Manvi, Dean of Engineering & Technology	Member
(ii)	Dr. N Ramesh Dean, Training, Placement and Planning and Dean, Faculty of Science and Technology	Member
(iii)	Dr. M. Dhanamjaya Registrar and Dean, Faculty of Commerce and Management Studies	Member
(iv)	Dr. G Beena Dean, Faculty of Arts and Humanities	Member
(v)	Dr. Vimala Swamy Faculty of Architecture	Member
(vi)	Prof. M L Kalicharan Faculty of Law	Member
5	Directors of Schools	
(i)	Prof. R C. Biradar Director, School of Electronics and Communication Engineering	Member
(ii)	Prof. Y Ramalinga Reddy Director, School of Civil Engineering	Member
(iii)	Dr. Rajashekar Mandi Director, School of Electrical and Electronics Engineering	Member
(iv)	Dr. Narayanaswamy K S Director, School of Mechanical Engineering	Member
(v)	Dr. Shubha A Director, School of Commerce & Management Studies	Member
(vi)	Dr. S Senthil, Director, School of Computer Science & Applications	Member
(vii)	Dr. Payel Dutta Chowdhury Director, Faculty of Arts and Humanities	Member
(viii)	Dr. Vasanth Kiran Rayasam Director, School of Performing Arts	Member
6	Professors Nominated by the Vice-Chancellor	
(ii)	Dr. R Venkata Shiva Reddy Professor, School of Electronics & Communication Engineering	Member

(iii)	Dr. P Shivananda Professor, School of Civil Engineering	Member
7	Associate Professors	
(i)	Prof. B S Raju School of Mechanical Engineering	Member
(ii)	Dr. D V Sunitha, School of Physical Science	Member
(iii)	Prof. Shubhi Sonal School of Architecture	Member
(iv)	Dr. M. Subramanyam School of Commerce	Member
8	Eminent Persons Nominated by the Chancellor	
(i)	Dr. V Ramachandra Vice-President (Technical) Ultratech Cement, Mumbai Ph: 9743247985, Email ID: Ramachandra.v@adityabirla.com	Member
(ii)	Dr. V G Talawar Advisor, REVA University	Member
9	Dr. S R Shankapal Dean, Internal Quality and Assurance Cell, REVA University	Member
10	Dr. B P Divakar Dean, Research and Innovation Council	Member
11	Dr. Shinu Abhi Director, Corporate Training	Member
12	Dr. Kiran Kumari Patil Director University Industry Interaction Centre	Member
13	Smt. S Saraswathi Chief Librarian	Member
14	Dr. Deepak C S Director-Physical Education	Member

Members Not Present:

1	Dr. Sridhar Mitta Next Wealth Entrepreneurs 468, 80 Feet Main Rd, Venkappa Garden, Ejipura, Bengaluru - 560095 Mobile: 9845016080, e-mail: sridhar.mitta@nextwealth.in	Member
2	Dr. Hubert Reilard 16 C & D, KIADB Industrial Area, Attibele, Bengaluru-562107 Ph: 98450 29282, e-mail: ein@in.efdggroup.net	Member

aspiring for higher education as they suffer from physical disabilities of different kind, one of such disability being writing during the examination. Therefore, the University with an objective of making provision for appointment of Amanuenses to assist such students to write the examinations, has prepared draft "REVA University Rules for Appointment of Amanuenses, 2018" and these are placed before the house for kind consideration and decision. The members after examining the provisions provided in the draft and after detailed discussion, decided as under.

Decision:

The house unanimously resolved to approve the draft "REVA University Rules for Appointment of Amanuenses, 2018"

Agenda: AC-14.7 ✓

REVA University Regulations for M Tech / MS (Cyber Security) Programs, 2018

The Vice-Chancellor explained to the august house that considering the importance of PG Degree program in Cyber Security and the proposal to introduce M Tech / MS (Cyber Security) Programs in REVA University a draft regulation for M Tech / MS (Cyber Security) Programs, 2018 was prepared and placed before the Academic Council in its meetings held on 03.08.2018 has unanimously approved the draft regulations. Therefore the draft REVA University Regulations for M Tech / MS (Cyber Security) Programs, 2018 is placed before the august house for consideration and decision.

Decision:

After detailed deliberations all the members of the Board of Management unanimously decided to approve the REVA University Regulations for M Tech / MS (Cyber Security) Programs, 2018 and to recommend to place before the Board of Governors.

Agenda: AC14.8

Consideration of Proceedings of the Seventh meeting of the Faculty of Engineering and Technology held on 2nd July, 2018 at 11.00 am in the Conference Hall, Administrative Block, REVA University, Bengaluru

The Vice-Chancellor explained that the University proposed to make some of the subjects like Yoga, Sports, dance, music, theatre compulsory under the title RULO (REVA University Unique Learning

Offerings) for all students with a hope that the study of these subjects would help them to develop their all round personality. Accordingly the Board of Studies of respective subjects have revised incorporating these subjects and also updated the curriculum of almost all the programs. The revised scheme of instruction and detailed syllabus prepared by respective Board of Studies under the Faculty of Engineering and Technology were placed before the meeting of the Faculty of Engineering and Technology held on 2nd July, 2018. He requested Dr. Sunilkumar Manvi, Dean, Faculty of Engineering and Technology to explain the discussions on the agenda and decisions of the faculty. Dr. Sunilkumar Manvi briefly explained the agenda of all the Boards of Studies under Faculty of Engineering & Technology and the decisions taken in the faculty meeting. He said that the Proceedings of the meeting of Faculty of Engineering and Technology are placed before the Academic Council for consideration and decision. After examining the scheme of instruction and detailed syllabus of various programs under the Faculty of Engineering & Technology and detailed discussion on each of the agenda, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to introduce M Tech (Cyber Security) program in REVA University from the academic year 2018-19 and approved the scheme of instructions and syllabus of M. Tech (Cyber Security) program provided at **Annexure BOS (Cyb) – I, and BOS (Cyb) – II** respectively. The Academic Council also approved revised scheme of instructions and syllabus of the following programs, approved by the Faculty of Engineering & Technology, and recommended to the University to adopt the same from the academic year 2018-19.

- (a) **B Tech (CSE)**, M. Tech (CNE), M Tech (CSE) and M Tech (DECC) programs and attached at **Annexure BOS (CSE) – I, BOS (CSE) – II, BOS (CSE) - III, BOS (CSE) - IV and BOS (CSE) – V** respectively.
- (b) **B. Tech Civil Engineering, M. Tech - Computer Aided Structural Engineering, M Tech - Transportation Engineering and Management, One Year Certificate Course on “Plumbing and Irrigation Systems, and One Year PG Diploma on “Entrepreneurship and Construction Management”** programs attached at **Annexure BOS (CIVIL) – I, BOS (CIVIL) – II, BOS (CIVIL) – III, BOS (CIVIL) – IV, BOS (CIVIL) – V, BOS (CIVIL) – VI, BOS (CIVIL) – VII and BOS (CIVIL) – VIII** respectively.
- (c) **B. Tech - Electronics & Communication Engineering, M. Tech in DCN, M Tech in VLSI, M Tech in Embedded Systems (FT), and M Tech in Embedded Systems (PT) Programs** attached at **annexure BOS (ECE) – I & BOS (ECE) – II, III, IV, V, VI, VII and VIII** respectively.

(d) B. Tech – (Mechanical Engineering), and M Tech (Machine Design) Programs provided at Annexure BOS (MECH) – I BOS (MECH) – II, BOS (MECH) – III, and BOS (MECH) – IV respectively.

(e) B Tech – Electrical & Electronics Engineering, M Tech - Power Electronics (Full Time), M Tech Power Electronics (Part Time), and Syllabus for Ph D course-2 for two research scholars who joined for Ph D during the year 2018

Agenda: AC-144

Proceedings of the Meeting of Faculty of Science and Technology held on 30th June, 2018 in the Conference Room, Administrative Block, Rukmini Knowledge Park, Bengaluru - 560064

The Vice-Chancellor explained to the members about the introduction of the subjects like Yoga, Sports, dance, music, theatre as compulsory under the title RULO (REVA University Unique Learning Offerings) for all students and accordingly the Board of Studies in respective subjects under the Faculty of Science and Technology have revised the Scheme and syllabus of various subjects. The Proceedings of various Boards of Studies under the Faculty of Science and Technology along with Scheme of Instruction and Detailed Syllabus were placed before the Faculty of Science and Technology in its meeting held on 30th June, 2018, and he requested Dr. N. Ramesh, Dean, Faculty of Science and Technology to explain the discussions on the agenda and decisions of the faculty. Dr. N. Ramesh briefly explained the agenda of all the Boards of Studies under Faculty of Science & Technology and the decisions taken in the faculty meeting. He said that the Proceedings of the meeting of Faculty of Science and Technology are placed before the Academic Council for consideration and decision. After examining the scheme of instruction and detailed syllabus of various programs under the Faculty of Science & Technology and detailed discussion on each of the agenda, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to approve the revised scheme of instructions and syllabus of the following programs, approved by the Faculty of Science & Technology, and recommended to the University to adopt the same from the academic year 2018-19.

(a) B Sc (Physics, Mathematics and Statistics) (PMSt), B Sc Physics, Chemistry, and Mathematics (PCM), B Sc Mathematics, Statistics and Computer Science (M St Cs), and B Sc program with Bioinformatics – Bio-Science, Mathematics and Computer Science (BMCs) programs provided at Annexures – BOS (PMSt) - I & BOS (PMSt) – II, BOS (PCM) - I & BOS (PCM) – II, BOS (M St Cs) - I & BOS (M St Cs) – II, and BOS (BMCs) - I & BOS (BMCs) – II respectively.

- i) revised scheme of instructions and syllabus of MPA program, specialised courses to be offered under Course Work of PhD in Performing Arts (**Annexure BOS (PA) - I**);
- j) Course Structure, Credits pattern for L:T:P of education for along with Syllabus for Certificate Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure BOS (PA) - I**);
- k) Course Structure, Credits pattern for L:T:P of education for along with syllabus for Diploma Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure - BOS (PA) - II**);
- l) Modified syllabus of three Open Electives viz., Dramatics, Indian Classical Dance and Vocal Music for PG students (**Annexure BOS (PA) - III**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) for UG students (**Annexure BOS (PA) - IV**);
- m) Modified Scheme of Instruction, Scheme of Examination and detailed Syllabus of MPA program (**Annexure BOS (PA) - V, BOS (PA) - VI, and BOS (PA) - VII**);
- n) Scheme of instructions and detailed syllabus (**Annexure BOS (PA) -VIII & BOS (PA) - IX** respectively) prepared by the Board of Studies in Performing Arts;
- o) Course structure and the syllabus of all the courses including Dance and Drama and Music (**Annexure- BOS (PA) - X**); and
- p) Detailed Syllabus of Dramatics, Indian Classical Dance and Vocal Music courses for PG students (**Annexure BOS (PA) - XI**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) courses for UG students (**Annexure BOS (PA) - XII**) to offer under RULO.
- q) scheme of instructions BA – JEP, M.A. Communication and Journalism, Modified syllabus of I-IV M.A. Journalism and Communication, Modifications in the Journalism Courses syllabus of I-IV Semester BA (JEPs), and detailed syllabus of Psychology Courses of I-VI Semester BA(PaEPs) provided at **Annexures BOS (MP) - I, II, III, IV, V and VI** respectively.

Agenda: AC 14.12

Consideration of the Proceedings of the meeting of Faculty of Architecture held on 8th June, 2018 at the Board Room, Administrative Block , REVA University, Rukmini Knowledge Park, Bengaluru - 560 064.

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Board of Studies in Architecture revised the syllabus of B Arch program and the Faculty of Architecture in its meeting held on 8th

June, 2018 has approved the new scheme of instruction and detailed syllabus, and also the revised scheme and syllabus of VII to X semesters of existing B Arch program. He requested Dr. Vimala Swamy, Director of School of Architecture to explain the discussions on the agenda and decisions of the faculty of Architecture. Dr Vimala Swamy briefly explained the agenda and the decision taken in the faculty meeting. She said that the Proceedings of the meeting of Faculty of Architecture are placed before the Academic Council for consideration and decision. After examining the scheme of instruction and detailed syllabus of B Arch program and detailed discussion, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to approve the new Scheme of Instructions and Syllabus of B Arch program and the Scheme and Syllabus of VII to X semesters of existing B Arch program provided at **Annexure – BOS (Arc) – I, BOS (Arc) – II, and BOS (Arc) – III** respectively and recommended to the University to adopt the same from the academic year 2018-19.

Agenda: AC 14.13

Consideration of the Proceedings of the meeting of Faculty of Law held on 11th June, 2018 at the Conference Hall, Administrative Block, REVA University, Rukmini Knowledge Park, Bengaluru - 560 064

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Board of Studies in Legal Studies revised the Scheme of Instructions and Syllabus of BALLB (Hons), BBALLB (Hons) and LLM (Business and Corporate Law) programs, and the Faculty of Law in its meeting held on 11th June, 2018 has approved the new scheme of instruction and detailed syllabus of the said programs. He requested Dr Kalicharan, Dean, Faculty of Law to explain the discussions on the agenda and decisions of the Faculty of Law. Dr Kalicharan briefly explained the agenda and the decisions taken in the Faculty meeting. He said that the Proceedings of the meeting of Faculty of Law are placed before the Academic Council for consideration and decision. After examining the scheme of instructions and the detailed syllabus of BALLB (Hons), BBALLB (Hons) and LLM (Business and Corporate Law) programs and detailed discussion, the Academic Council decided as under.

(b) **BCA** and B Sc (Honors) in Computer Science with specialization in Cloud Computing and Big Data programs provided at **Annexure – BOS (CSA) – I, BOS (CSA) – II, Annexure – BOS (CSA) - III & BOS (CSA) - IV** respectively and recommended to the University to adopt the same from the academic year 2018-19.

(c) Scheme of instructions and syllabus of MCA program provided at **Annexure – BOS (CSA-PG) – I, BOS (CSA-PG) – II, BOS (CSA-PG) – III, BOS (CSA-PG) – IV** respectively and recommended to the University to adopt the same from the academic year 2018-19.

(d) Scheme of Instructions and Syllabus of M. Sc (Chemistry) program provided at **Annexure – BOS (Chem) – I and BOS (Chem) – II** respectively and modified scheme of Instruction of III and IV Semesters of existing M Sc (Chemistry) program provided at **Annexure – BOS (Chem) – III.**

(e) Scheme of Instructions and Syllabus of M. Sc (Biochemistry) program provided at **Annexure – BOS (Bioch) – I and BOS (Bioch) – II** respectively.

(f) Scheme of Instructions and Syllabus of M. Sc (Physics) program provided at **Annexure – BOS (Phy) – I and BOS (Phy) – II** respectively

(g) Scheme of Instructions and Syllabus of M. Sc (Mathematics) program provided at **Annexure – BOS (Mat) – I and BOS (Mat) – II** respectively.

Agenda: AC 14.10

Proceedings of the Meeting of the meeting of the Faculty of Commerce and Management Studies held on 9th July, 2018 in the Conference Room, Administrative Block, Rukmini Knowledge Park, Bengaluru - 560064

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Boards of Studies under the Faculty of Commerce and Management Studies have revised the Scheme of Instruction and Syllabus of all the subjects falling under the Faculty of Commerce & Management Studies, and the Faculty of Commerce & Management Studies in its meeting held on 9th July, 2018 has approved the scheme and detail syllabus of these programs. He requested Dr. Shubha A, Director of School of Commerce & Management Studies to explain the discussions on the agenda and decisions of the faculty of Commerce & Management Studies. Dr. Shubha A briefly explained the agenda of all the Boards of Studies under Faculty of Commerce & Management Studies and the decisions taken in the faculty meeting. She said that the Proceedings of the meeting of Faculty of Commerce & Management Studies are placed before the Academic Council for consideration and decision. After examining the scheme of instructions and detailed syllabus of various programs under the Faculty of Commerce &

Management Studies and detailed discussion on each of the agenda, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to introduce BBA (Entrepreneurship), program in REVA University from the academic year 2018-19 and approved the scheme of instructions and syllabus of BBA (Entrepreneurship) program provided at **Annexures BOS (BE) – I, and BOS (BE) – II** respectively. The Academic Council also approved revised scheme of instructions and syllabus of the following programs, approved by the Faculty of Commerce & Management Studies and recommended to the University to adopt the same from the academic year 2018-19.

(a) Scheme of Instructions and Syllabus of B.Com (Industry Integrated), B.Com (Honors), M.Com programs and Syllabus of Research Methodology and Subject Specific Courses of Course Work for Ph.D in Commerce provided at **Annexures BOS (COM) – I, BOS (COM) – II, BOS (COM) – III, BOS (COM) – IV, BOS (COM) – V, BOS (COM) – VI, and BOS (COM) –VII** respectively.

(b) Scheme of Instructions and Syllabus of BBA (Industry Integrated), BBA (H) and MBA programs and Syllabus of Research Methodology and Subject Specific Courses of Course Work for Ph.D in Management Studies provided at **Annexures BOS (MS) – I, BOS (MS) – II, BOS (MS) – III, BOS (MS) – IV, BOS (MS) – V, BOS (MS) – VI, and BOS (MS) – VII** respectively.

Agenda: AC 14.11

Consideration of Proceedings of the meeting of the Faculty of Arts & Humanities held on 14th June, 2018 at 9:30 AM in the Conference Hall, Administrative Block, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru – 560 064

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Board of Studies under the Faculty of Arts & Humanities have revised the Scheme of Instruction and Syllabus all the subjects falling under the Faculty of Arts & Humanities, and the Faculty of Arts & Humanities in its meeting held on 14th June, 2018 has approved the scheme and detailed syllabus of these programs. He requested Dr. Beena G, Dean of the Faculty of Arts & Humanities to explain the discussions on the agenda and decisions of the Faculty. Dr. Beena G briefly explained the agenda of all the Boards of Studies

under Faculty of Arts & Humanities and the decisions taken in the Faculty meeting. She said that the Proceedings of the meeting of Faculty of Arts & Humanities are placed before the Academic Council for consideration and decision. After examining the scheme of instructions and detailed syllabus of various programs under the Faculty of Arts & Humanities and the detailed discussion on each of the agenda, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to approve the revised Scheme of Instructions and Syllabus of the following programs approved by the Faculty of Arts & Humanities, and recommended to the University to adopt the same from the academic year 2018-19.

- a) Revised scheme of instructions and syllabus of MA (English) program provided at **Annexures BOS (A&H) –I and BOS (A&H) –II** respectively.
- b) Literature and Language (Major Course) syllabus of I – VI Semesters of B.A. JEP and B.A. PaEP for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –III, and BOS (A&H) –IV**) respectively.
- c) Functional English syllabus of I & II Semesters of B.Sc. and Communicative English syllabus for I & II Semesters of B.A. JEP, B.A. PaEP, BBA, BBA (H), B.Com, B.Com (H), BCA, and III & IV Semester B.Sc. for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –V, BOS (A&H) –VI, and BOS (A&H) –VII**) respectively.
- d) Additional English syllabus of I – IV Semesters of B.A. JEP, B.A. PaEP and B.Sc. and I & II Semesters of BBA, BBA (H), B.Com, B.Com (H) and BCA for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –VIII, and BOS (A&H) –IX**) respectively.
- e) Technical English syllabus of I & II Semesters of B.Tech and B.Arch, and I Semester of BSc (H) in Computer Science with emphasis on Cloud Computing and Big Data for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –X, and BOS (A&H) –XI**)
- f) Approval of Law and Language syllabus of I & II Semester B.A. LL.B and BBA LL.B. for the batches starting from the academic year 2018-19 (**Annexure - BOS (A&H) –XII**)
- g) Advanced Communicative English syllabus of I & II Semester MPA and II Semester MCA (**Annexure - BOS (A&H) - XIII**)
- h) Modifications in the syllabus of Advanced Research Methodology of Ph.D in English Course Work for the batch starting from the year 2018-19 (**Annexure- BOS (A&H)-XIV**)

- i) revised scheme of instructions and syllabus of MPA program, specialised courses to be offered under Course Work of PhD in Performing Arts (**Annexure BOS (PA) - I**);
- j) Course Structure, Credits pattern for L:T:P of education for along with Syllabus for Certificate Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure BOS (PA) - I**);
- k) Course Structure, Credits pattern for L:T:P of education for along with syllabus for Diploma Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure - BOS (PA) - II**);
- l) Modified syllabus of three Open Electives viz., Dramatics, Indian Classical Dance and Vocal Music for PG students (**Annexure BOS (PA) - III**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) for UG students (**Annexure BOS (PA) - IV**);
- m) Modified Scheme of Instruction, Scheme of Examination and detailed Syllabus of MPA program (**Annexure BOS (PA) - V, BOS (PA) - VI, and BOS (PA) - VII**);
- n) Scheme of instructions and detailed syllabus (**Annexure BOS (PA) -VIII & BOS (PA) - IX** respectively) prepared by the Board of Studies in Performing Arts;
- o) Course structure and the syllabus of all the courses including Dance and Drama and Music (**Annexure- BOS (PA) - X**); and
- p) Detailed Syllabus of Dramatics, Indian Classical Dance and Vocal Music courses for PG students (**Annexure BOS (PA) - XI**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) courses for UG students (**Annexure BOS (PA) - XII**) to offer under RULO.
- q) scheme of instructions BA – JEP, M.A. Communication and Journalism, Modified syllabus of I-IV M.A. Journalism and Communication, Modifications in the Journalism Courses syllabus of I-IV Semester BA (JEPs), and detailed syllabus of Psychology Courses of I-VI Semester BA(PaEPs) provided at **Annexures BOS (MP) - I, II, III, IV, V and VI** respectively.

Agenda: AC 14.12

Consideration of the Proceedings of the meeting of Faculty of Architecture held on 8th June, 2018 at the Board Room, Administrative Block , REVA University, Rukmini Knowledge Park, Bengaluru - 560 064.

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Board of Studies in Architecture revised the syllabus of B Arch program and the Faculty of Architecture in its meeting held on 8th

(d) B. Tech – (Mechanical Engineering), and M Tech (Machine Design) Programs provided at Annexure BOS (MECH) – I BOS (MECH) – II, BOS (MECH) – III, and BOS (MECH) – IV respectively.

(e) B Tech – Electrical & Electronics Engineering, M Tech - Power Electronics (Full Time), M Tech Power Electronics (Part Time), and Syllabus for Ph D course-2 for two research scholars who joined for Ph D during the year 2018

Agenda: AC-14

Proceedings of the Meeting of Faculty of Science and Technology held on 30th June, 2018 in the Conference Room, Administrative Block, Rukmini Knowledge Park, Bengaluru - 560064

The Vice-Chancellor explained to the members about the introduction of the subjects like Yoga, Sports, dance, music, theatre as compulsory under the title RULO (REVA University Unique Learning Offerings) for all students and accordingly the Board of Studies in respective subjects under the Faculty of Science and Technology have revised the Scheme and syllabus of various subjects. The Proceedings of various Boards of Studies under the Faculty of Science and Technology along with Scheme of Instruction and Detailed Syllabus were placed before the Faculty of Science and Technology in its meeting held on 30th June, 2018, and he requested Dr. N. Ramesh, Dean, Faculty of Science and Technology to explain the discussions on the agenda and decisions of the faculty. Dr. N. Ramesh briefly explained the agenda of all the Boards of Studies under Faculty of Science & Technology and the decisions taken in the faculty meeting. He said that the Proceedings of the meeting of Faculty of Science and Technology are placed before the Academic Council for consideration and decision. After examining the scheme of instruction and detailed syllabus of various programs under the Faculty of Science & Technology and detailed discussion on each of the agenda, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to approve the revised scheme of instructions and syllabus of the following programs, approved by the Faculty of Science & Technology, and recommended to the University to adopt the same from the academic year 2018-19.

(a) B Sc (Physics, Mathematics and Statistics) (PMSt), B Sc Physics, Chemistry, and Mathematics (PCM), B Sc Mathematics, Statistics and Computer Science (M St Cs), and B Sc program with Bioinformatics – Bio-Science, Mathematics and Computer Science (BMCs) programs provided at Annexures – BOS (PMSt) - I & BOS (PMSt) – II, BOS (PCM) - I & BOS (PCM) – II, BOS (M St Cs) - I & BOS (M St Cs) – II, and BOS (BMCs) - I & BOS (BMCs) – II respectively.

(b) BCA and B Sc (Honors) in Computer Science with specialization in Cloud Computing and Big Data programs provided at **Annexure – BOS (CSA) – I, BOS (CSA) – II, Annexure – BOS (CSA) - III & BOS (CSA) - IV** respectively and recommended to the University to adopt the same from the academic year 2018-19.

(c) Scheme of instructions and syllabus of MCA program provided at **Annexure – BOS (CSA-PG) – I, BOS (CSA-PG) – II, BOS (CSA-PG) – III, BOS (CSA-PG) – IV** respectively and recommended to the University to adopt the same from the academic year 2018-19.

(d) Scheme of Instructions and Syllabus of M. Sc (Chemistry) program provided at **Annexure – BOS (Chem) – I and BOS (Chem) – II** respectively and modified scheme of Instruction of III and IV Semesters of existing M Sc (Chemistry) program provided at **Annexure – BOS (Chem) – III.**

(e) Scheme of Instructions and Syllabus of M. Sc (Biochemistry) program provided at **Annexure – BOS (Bioch) – I and BOS (Bioch) – II** respectively.

(f) Scheme of Instructions and Syllabus of M. Sc (Physics) program provided at **Annexure – BOS (Phy) – I and BOS (Phy) – II** respectively

(g) Scheme of Instructions and Syllabus of M. Sc (Mathematics) program provided at **Annexure – BOS (Mat) – I and BOS (Mat) – II** respectively.

Agenda: AC 14.10

Proceedings of the Meeting of the meeting of the Faculty of Commerce and Management Studies held on 9th July, 2018 in the Conference Room, Administrative Block, Rukmini Knowledge Park, Bengaluru - 560064

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Boards of Studies under the Faculty of Commerce and Management Studies have revised the Scheme of Instruction and Syllabus of all the subjects falling under the Faculty of Commerce & Management Studies, and the Faculty of Commerce & Management Studies in its meeting held on 9th July, 2018 has approved the scheme and detail syllabus of these programs. He requested Dr. Shubha A, Director of School of Commerce & Management Studies to explain the discussions on the agenda and decisions of the faculty of Commerce & Management Studies. Dr. Shubha A briefly explained the agenda of all the Boards of Studies under Faculty of Commerce & Management Studies and the decisions taken in the faculty meeting. She said that the Proceedings of the meeting of Faculty of Commerce & Management Studies are placed before the Academic Council for consideration and decision. After examining the scheme of instructions and detailed syllabus of various programs under the Faculty of Commerce &

Management Studies and detailed discussion on each of the agenda, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to introduce BBA (Entrepreneurship), program in REVA University from the academic year 2018-19 and approved the scheme of instructions and syllabus of BBA (Entrepreneurship) program provided at **Annexures BOS (BE) – I, and BOS (BE) – II** respectively. The Academic Council also approved revised scheme of instructions and syllabus of the following programs, approved by the Faculty of Commerce & Management Studies and recommended to the University to adopt the same from the academic year 2018-19.

(a) Scheme of Instructions and Syllabus of B.Com (Industry Integrated), B.Com (Honors), M.Com programs and Syllabus of Research Methodology and Subject Specific Courses of Course Work for Ph.D in Commerce provided at **Annexures BOS (COM) – I, BOS (COM) – II, BOS (COM) – III, BOS (COM) – IV, BOS (COM) – V, BOS (COM) – VI, and BOS (COM) –VII** respectively.

(b) Scheme of Instructions and Syllabus of BBA (Industry Integrated), BBA (H) and MBA programs and Syllabus of Research Methodology and Subject Specific Courses of Course Work for Ph.D in Management Studies provided at **Annexures BOS (MS) – I, BOS (MS) – II, BOS (MS) – III, BOS (MS) – IV, BOS (MS) – V, BOS (MS) – VI, and BOS (MS) – VII** respectively.

Agenda: AC 14.11

Consideration of Proceedings of the meeting of the Faculty of Arts & Humanities held on 14th June, 2018 at 9:30 AM in the Conference Hall, Administrative Block, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru – 560 064

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Board of Studies under the Faculty of Arts & Humanities have revised the Scheme of Instruction and Syllabus all the subjects falling under the Faculty of Arts & Humanities, and the Faculty of Arts & Humanities in its meeting held on 14th June, 2018 has approved the scheme and detailed syllabus of these programs. He requested Dr. Beena G, Dean of the Faculty of Arts & Humanities to explain the discussions on the agenda and decisions of the Faculty. Dr. Beena G briefly explained the agenda of all the Boards of Studies

under Faculty of Arts & Humanities and the decisions taken in the Faculty meeting. She said that the Proceedings of the meeting of Faculty of Arts & Humanities are placed before the Academic Council for consideration and decision. After examining the scheme of instructions and detailed syllabus of various programs under the Faculty of Arts & Humanities and the detailed discussion on each of the agenda, the Academic Council decided as under.

Decision

All members of the Academic Council unanimously decided to approve the revised Scheme of Instructions and Syllabus of the following programs approved by the Faculty of Arts & Humanities, and recommended to the University to adopt the same from the academic year 2018-19.

- a) Revised scheme of instructions and syllabus of MA (English) program provided at **Annexures BOS (A&H) –I and BOS (A&H) –II** respectively.
- b) Literature and Language (Major Course) syllabus of I – VI Semesters of B.A. JEP and B.A. PaEP for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –III, and BOS (A&H) –IV**) respectively.
- c) Functional English syllabus of I & II Semesters of B.Sc. and Communicative English syllabus for I & II Semesters of B.A. JEP, B.A. PaEP, BBA, BBA (H), B.Com, B.Com (H), BCA, and III & IV Semester B.Sc. for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –V, BOS (A&H) –VI, and BOS (A&H) –VII**) respectively.
- d) Additional English syllabus of I – IV Semesters of B.A. JEP, B.A. PaEP and B.Sc. and I & II Semesters of BBA, BBA (H), B.Com, B.Com (H) and BCA for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –VIII, and BOS (A&H) –IX**) respectively.
- e) Technical English syllabus of I & II Semesters of B.Tech and B.Arch, and I Semester of BSc (H) in Computer Science with emphasis on Cloud Computing and Big Data for the batches starting from the academic year 2018-19 (**Annexures- BOS (A&H) –X, and BOS (A&H) –XI**)
- f) Approval of Law and Language syllabus of I & II Semester B.A. LL.B and BBA LL.B. for the batches starting from the academic year 2018-19 (**Annexure - BOS (A&H) –XII**)
- g) Advanced Communicative English syllabus of I & II Semester MPA and II Semester MCA (**Annexure - BOS (A&H) - XIII**)
- h) Modifications in the syllabus of Advanced Research Methodology of Ph.D in English Course Work for the batch starting from the year 2018-19 (**Annexure- BOS (A&H)- XIV**)

- i) revised scheme of instructions and syllabus of MPA program, specialised courses to be offered under Course Work of PhD in Performing Arts (**Annexure BOS (PA) - I**);
- j) Course Structure, Credits pattern for L:T:P of education for along with Syllabus for Certificate Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure BOS (PA) - I**);
- k) Course Structure, Credits pattern for L:T:P of education for along with syllabus for Diploma Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure - BOS (PA) - II**);
- l) Modified syllabus of three Open Electives viz., Dramatics, Indian Classical Dance and Vocal Music for PG students (**Annexure BOS (PA) - III**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) for UG students (**Annexure BOS (PA) - IV**);
- m) Modified Scheme of Instruction, Scheme of Examination and detailed Syllabus of MPA program (**Annexure BOS (PA) - V, BOS (PA) - VI, and BOS (PA) - VII**);
- n) Scheme of instructions and detailed syllabus (**Annexure BOS (PA) -VIII & BOS (PA) - IX** respectively) prepared by the Board of Studies in Performing Arts;
- o) Course structure and the syllabus of all the courses including Dance and Drama and Music (**Annexure- BOS (PA) - X**); and
- p) Detailed Syllabus of Dramatics, Indian Classical Dance and Vocal Music courses for PG students (**Annexure BOS (PA) - XI**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) courses for UG students (**Annexure BOS (PA) - XII**) to offer under RULO.
- q) scheme of instructions BA – JEP, M.A. Communication and Journalism, Modified syllabus of I-IV M.A. Journalism and Communication, Modifications in the Journalism Courses syllabus of I-IV Semester BA (JEPs), and detailed syllabus of Psychology Courses of I-VI Semester BA(PaEPs) provided at **Annexures BOS (MP) - I, II, III, IV, V and VI** respectively.

Agenda: AC 14.12

Consideration of the Proceedings of the meeting of Faculty of Architecture held on 8th June, 2018 at the Board Room, Administrative Block , REVA University, Rukmini Knowledge Park, Bengaluru - 560 064.

The Vice-Chancellor said that in the light of the proposal to introduce Yoga, Sports, dance, music, theatre as compulsory for all students under the title RULO, the Board of Studies in Architecture revised the syllabus of B Arch program and the Faculty of Architecture in its meeting held on 8th



REVA
UNIVERSITY

Bengaluru, India

Proceedings
of
BOS Meeting



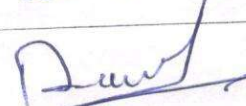
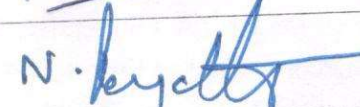

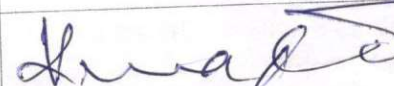
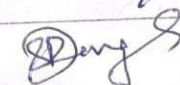
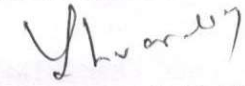
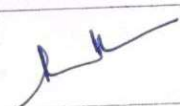
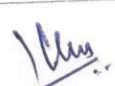
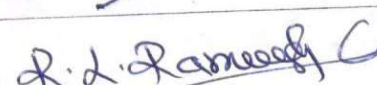
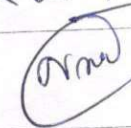

2018-19

REF: RU/CIVIL/BOS/2018-19/006

School of Civil Engineering

Proceedings of the meeting of the 6th Board of Studies in Civil Engineering held on 04/06/2018 at 10:00AM in the School of Civil Engineering, REVA University, Kattigenahalli, Yelahanka, Bangalore 560 064

Members Present:

1	Dr.Y.Ramalinga Reddy	Chairperson	
2	Dr.V.Ramachandra ✓	Member	
3	Dr.G.Anand ✓	Member	
4	Sri. N.Ranganath ✓	Member	
5	Dr.R.V.Ranganath ✓	Member	
6	Dr.K.M.Krishna Murthy ✓	Member	
7	Dr.Sunil Kumar Tengli	Member	
8	Dr.P.Shivananda	Member	
9	Dr.S.Harinath	Member	
10	Dr.S.P.Mahendra	Member	
11	Dr.R.L.Ramesh	Member	
12	Dr.N.Naga Maruthi Kumari	Member	
13	Dr.Gayathri K	Member	


5/5/18



Proceedings

1. At the outset, **Dr. Y. Ramalinga Reddy** Chairperson of the BOS in Civil Engineering welcomed all the members present, explained the purpose of the meeting and the agenda in brief. Then the agenda was taken up for discussion.

Agenda 1:

Preparation of Course Curriculum

- (i) **B.Tech Civil Engineering (2018-22)**
- (ii) **M.Tech Computer Aided Structural Engineering (2018-20)**
- (iii) **M.Tech Transportation Engineering and Management (2018-20)**
- (iv) **1 year certificate programme on “Plumbing and Irrigation Systems” 2018-19**
- (v) **1 year PG diploma on “Entrepreneurship and Construction Management” 2018-19**

The Chairperson explained briefly about the establishment of REVA University and the course(s) being introduced under REVA University. He also explained the features of CBCS/CAGP of education the University is committed to follow since its inception itself. He requested all the members to cooperate and to draft the curriculum as per the REVA University Regulations for CBCS-CAGP for UG & PG programs/ Diploma programs/ I year certificate programs.

The BOS members discussed the agenda in detail and drafted the course curriculum including the scheme of instruction, eligibility criterion, etc. The Board also drafted detailed syllabus.

Based on suggestions from BOS Chairperson, members and stake holders feedback the Following syllabus changes incorporated in the curriculum represented in Annexure II.

Chairperson has authorized to 20% changes in Curriculum.

(*Syllabus change, **BTCE16 subjects are incorporated** in BOS 2016)

Annexure VI

B.Tech(CIVIL)	
B18CE1030	C++ -Programming
B18CE1040	Building Materials
B18CE1060	Civil Workshop Practice
B18CE1070	C++-Programming Lab
B18CE2050	Building Construction
BTCE16F5100	Highway Engineering
BTCE16F5200	Soil Mechanics And Foundation Engineering

VI BOS Meeting held on 04-06-2018 at 10 AM

Approved Scheme and Syllabus



BTCE16F5330	Town and Country Planning
BTCE16F5340	Principles Of Planning And Construction Management
BTCE16F5410	Design Of Masonry Structures
BTCE16F5420	Air And Noise Pollution
BTCE16F5430	Mass Transit Facilities
BTCE16F5440	Remote Sensing And GIS
BTCE16F5520	Advanced Surveying
BTCE16F5530	Water Resources Engineering
BTCE16F5540	Non Destructive Testing
BTCE16F5600	Highway Engineering Lab
BTCE16F5800	Hydraulic Structures Design And Drawing
BTCE16F6100	Steel Structures
BTCE16F6200	Prestressed Concrete and Prefabricated Structures
BTCE16F6310	Design of tall structures
BTCE16F6320	Advanced Geotechnical Engineering
BTCE16F6330	Pavement Materials and Analysis
BTCE16F6340	Applications of GPS
BTCE16F6410	Matrix Methods of Analysis
BTCE16F6420	Ground Improvement Techniques
BTCE16F6430	Traffic Engineering
BTCE16F6510	Theory of Elasticity
BTCE16F6520	Hydraulic Machinery
BTCE16F6530	Occupational Hazard and Industrial Safety
BTCE16F6540	Basics of Structural Dynamics
BTCE16F6600	STAAD PRO and ETABS Lab
BTCE16F6700	RCC Design and Drawing - Manual



M.Tech.(CASE)	
M18SE1030	Advanced Design of RC Structures
M18SE1040	Advanced Solid Mechanics
M18SE1070	Structural Engineering Laboratory-I (Concrete Laboratory)
M18SE2020	Advanced design of foundations
M18SE2030	Advanced Design of Steel Structures
M18SE2040	Structural Health Monitoring
M18SE2051	Design of Earthquake Resistant Structures
M18SE2062	Advanced Design of Prestressed concrete
M18SE2070	Structural Engineering Laboratory-II (Software Lab)
M.Tech(TEM)	
M18TE1030	Ground Improvement Techniques
M18TE1040	Railways and Airways
M18TE1051	Geometric Design of Highways
M18TE1062	Road Safety and Management
M18TE1070	Highway Materials testing and Pavement Evaluation laboratory
M18TE2010	Applied Traffic Engineering
M18TE2020	Pavement Analysis and Design
M18TE2030	Urban Transport Planning
M18TE2040	Highway Economics and Finance
M18TE2061	Highway Construction and Maintenance
M18TE2070	Traffic Engineering Laboratory

Resolution:

The Board unanimously resolved to adopt new curriculum for B.Tech, M.Tech , diploma and certificate programs from the Academic Year 2018-19 and recommend the University to adopt detailed curriculum drafted, which is provided in **Annexure I, II, III, IV, V.**

As per feedback taken by the stakeholders, suggestions given by the BOS members and Industrial experts the syllabus has been revised in various subjects which are mentioned in Annexure VI.



Agenda 2:**Preparation of Scheme of Examination**

The Chairperson explained the guidelines relating to scheme of examination /and pattern of question papers setting and requested the Board to work out the Scheme of Examination and decide about the pattern of question paper to be adopted to the program. Accordingly the Board went through the guidelines provided Scheme of Examination.

Resolution

The Board worked the detailed Scheme of Examination and the pattern of question papers and resolved to recommend the same to the University to adopt it from the academic year 2018-19 same as previous years.

Agenda 3:**Preparation of Panel of Examiners**

The Chairperson requested the Board Members to prepare the Panel of Examiners for the semester end Examination for the CIVIL ENGINEERING program.

Resolution

The Board prepared the Panel of Examiners (internal and external) and resolved to recommend to the University, the said panel same as previous years.

Agenda 4

Any other matter with the permission of the chair.

-NIL- (in case no issue is discussed)

At the end, the Chairperson thanked all the members for having spared their valuable time and extended their cooperation.

04/06/18
Dr. Y. Ramalinga Reddy

Chairperson

School of Civil Engineering

Director

School of Civil Engineering
REVA University

Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

VI BOS Meeting held on 04-06-2018 at 10 AM

Approved Scheme and Syllabus



School of Computing and Information Technology


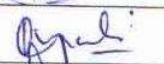
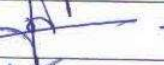
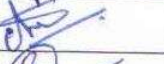
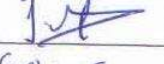



BOS meeting

02.06.2018



Proceedings of the meeting of the Board of Studies in Computer Science and Engineering held on 02.06.2018 at School of Computing and Information Technology, Swami Vivekananda Block, REVA University, Rukmini Knowledge Park, Bengaluru - 560 064.

Members Present:

Sl. No.	Name of the Member	Role	Signature
1.	Dr. Sunil Kumar S Manvi, School of C&IT, REVA University	Chairman	
2.	Dr. Mallikarjuna Shastry P.M., School of C&IT, REVA University	Member	
3.	Dr. Kiran Kumari Patil, School of C&IT, REVA University	Member	
4.	Dr. Mallikarjuna M. Kodabagi, School of C&IT, REVA University	Member	
5.	Dr. Ashwin kumar U.M, School of C&IT, REVA University	Member	
6.	Dr. Gopala Krishna Shyam, School of C&IT, REVA University	Member	
7.	Mr. Chetan Shivakumar, CEO and Co-Founder, Aikan Labs, Pvt. Ltd., Bengaluru.	Member	
8.	Mr. Muralidhar Jahagirdar, Practice Head Engineering, ATMECS Technology Pvt. Ltd.	Member	
9.	Mr. Ravikant Soni, Technical Manager, Solution Architect, Standard Chartered Bank, Bengaluru	Member	
10.	Dr. Sanjay, NITTE Meenakshi Institute of Technology, Bengaluru.	Member	



School of Computing & Information Technology

Proceedings of the Meeting of the Board of Studies in School of Computing and Information Technology held on 02.06.2018 are as detailed below:

Members Present:

Sl. NO.	Names	Designation
1	Dr Sunilkumar S Manvi	-Chairman
	Professor and Director, School of C & IT REVA University	
2	Dr Mallikarjun, M Kodabagi	-Member
	Professor, School of C & IT REVA University	
3	Dr MallikarjunaShastry PM	-Member
	Professor, School of C & IT REVA University	
4	Dr Kiran Kumari Patil	-Member
	Professor & Director, University Industry Interaction Cell, REVA University	
5	Dr Ashwin Kumar U.M	-Member
	Associate Professor, School of C & IT, REVA University	
6	Dr Rajan M.A	-Member
	Senior Scientist, Tata Consultancy Service Research and Innovation Lab	
7	Dr Raghavendra Kulkarni	-Member
	Professor and Head of the Department, Computer Science and Engineering,	

	Ramaiah University of Applied Sciences, Bengaluru	
8	Mr. Ravi Kant Soni	-Member
	Technical Manager, Solution Architect, Standard Chartered Bank, Bengaluru	

Members not Present:

Sl. No.	Names	Designation
1	Dr Arun Kumar Thangavelu Senior Professor, Vellore Institute of Technology	Member
2	Dr K Gopinath Professor, Computer Science and Automation, Indian Institute of Science, Bengaluru	Member
3	Dr Nagesh P.K Head of Computer Vision Continental, Bengaluru	Member
4	Dr Vivek Venkobarao Function Developer, Data Science and Machine Learning Practitioner, Vice-Chair Technical, CE, Bengaluru Chapter	Member

PROCEEDINGS

The meeting of the Board of Studies in School of Computing and Information Technology was held on 02/06/2018 at 10.00 am to discuss on the following: the new scheme and syllabi of UG (B.Tech CSE) program for 2018-22, PG (M.Tech CNE) program 2018-20 batch, and the rev

\

ision of schemes for PG (M.Tech DECC and M.Tech CSE) 2017-19 batch programs. The [/+Agenda was taken up for discussions and deliberations.

Agenda-1: Approval of New Scheme & Syllabus of B.Tech CSE program for 2018-22

Proposal: Approval of New Scheme and Syllabus of B. Tech in Computer Science and Engineering for 2018-22 batch.

Resolution: The committee members went through the new scheme and syllabus of B. Tech CSE program for the batch 2018-22 and approved the same.

NOTE: The scheme and syllabus of B.Tech CSE program for 2018-22 is appended in Annexure I.

Agenda-2: New scheme for second year M Tech in CSE and M Tech in DECC for 2017-19 and 2018-20 batch.

Proposal: Approval of New Scheme and Syllabus of second year M. Tech in Computer Science and Engineering and MTech in DECC for 2017-19 and 2018-20 batch batch.

Resolution: The committee members went through the new scheme for second year of M Tech in CSE and M Tech in DECC for 2017-19 and 2018-19 batch and approved the same.

NOTE: New Scheme and Syllabus of second year M Tech in CSE and M Tech in DECC are appended in Annexure II

To improve the curriculum, suggestions are taken from the following persons through email.

- Dr. Sajal K. Das, Missouri University, Rolla, USA
- Dr. Bhanuprasad, Texas A & M University, Florida, USA
- Mr. Anant Kolhar, Mphasis, Bengaluru

The BoS committee members who were absent have agreed to send their views and suggestions through email.

NOTE: The syllabi of some subjects are revised on the basis of feedback taken from stakeholders.

Chairperson


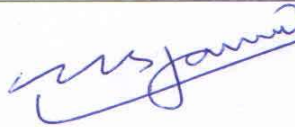
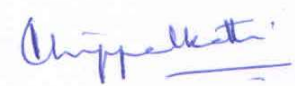
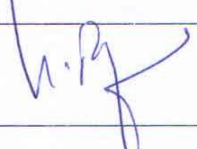

Dr. Sunilkumar S Manvi

School of Computing & Information Technology

Proceedings (Minutes) of the Combined BOS Meeting




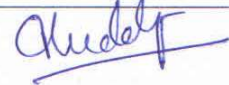


Proceedings of the 6th meeting of the Combined Board of Studies (BOS) in the School of Electronics & Communication Engineering held on 9th June 2018 at Aryabhata Seminar Hall at 10.00 AM in the School of Electronics and Communication Engineering, REVA University, Rukmini Knowledge Park, Yelahanka, Bangalore - 560 064.


Members Present:

Sl. No.	Name and Affiliation	Status	Signature
1	Dr. R C Biradar Director, School of ECE, REVA University, Bangalore.	Chair Person	
2	Dr. Rathna G. N. Principal Research Scientist, E&E Dept., IISc. Bangalore.	Member	Rathna.G.N.
3	Dr. G. S. Javed SMTS - Terminus Circuit Design, Bangalore.	Member	
4	Mr. Vinod Chippalkatti Vice President- SEBU Centum Electronics Ltd. Bangalore	Member	
5	Prof. Shivashankaran K. HOD, MNE, VIT, Vellore.	Member	— ABSENT —
6	Mr. Rajakrishnamoorthy Director, Cognizant, Bangalore.	Member	
7	Mr. Sanjeev Kubakkadi Proprietor. ITIE Knowledge Solutions Pvt. Ltd. Bangalore	Member	— ABSENT —
8	Dr. Bharathi S. H. Professor, School of ECE, REVA University, Bangalore.	Member	

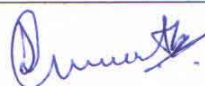
9	Dr. Mrinal Sarvagya, Professor, School of ECE, REVA University, Bangalore.	Member	
10	Dr. P. I. Basarkod Professor, School of ECE, REVA University, Bangalore.	Member	
11	Dr. Prashanth V. Joshi Assoc. Professor, School of ECE, REVA University, Bangalore.	Member	
12	Dr. Mohammed Riyaz Ahmed Assoc. Prof. School of ECE, REVA University, Bangalore.	Member	
13	Dr. Manjunath R. Kounte Assoc. Prof. School of ECE, REVA University, Bangalore.	Member	

Invited Members:



Sl. No.	Name and Affiliation	Status	Signature
1	Dr. S. Y. Kulkarni Vice Chancelolor, REVA University, Bangalore.	Invited Member	
2	Mr. Madhu Sudhana Rao Outstanding Scientist, ADA, Bangalore.	Invited Member	
3	Mr. Oswald Sunil Medonca Architect, Auto HW, NXP Semiconductors India Pvt. Ltd.	Invited Member	
4	Dr. Madhusudana Reddy M. B. Assoc. Prof. Chemistry, REVA University, Bangalore.	Invited Member	
5	Dr. M. Madesh Kumar Assoc. Prof. Physics, REVA University, Bangalore.	Invited Member	
6	Dr. Uday Kumar K. N. Assoc. Professor. Mathematics, REVA University, Bangalore	Invited Member	

Sl. No.	Name and Affiliation	Status	Signature
7	Mr. Mahesh L Sr. Asst. Professor, School of Mech. Engg REVA University, Bangalore.	Invited Member	

Alumni Member:

Sl. No.	Name and Affiliation	Status	Signature
1	Mr. Sumanth B Pathi Senior Lead Engineer, Qualcomm India Pvt. Ltd. Bangalore.	Alumni Member	

Current Student Members:

Sl. No.	Name and Affiliation	Status	Signature
1	Ms. Asma Suhani (M. Tech.DCN) REVA University, Bangalore.	Current Student Member	
2	Ms. Jyothi Sihag (B. Tech.ECE) REVA University, Bangalore.	Current Student Member	

(Note: Signature of all the members present to be obtained against the name of each member.)

Members Absent:

Sl. No.	Name and Affiliation	Absent Status
1	Prof. Shivashankaran K. HOD, MNE, VIT, Vellore.	Absent
2	Mr. Sanjeev Kubakkadi Proprietor. ITIE Knowledge Solutions Pvt. Ltd. Bangalore	Absent

PROCEEDINGS

Minutes of the Sixth combined Board of Studies (UG and PG) Meeting held on 9th July 2018 at 10.00 AM in the School of ECE, Aryabhata Seminar Hall, REVA University.

Dr. R. C. Biradar, Chairman (BOS) and Director, ECE, Chaired the meeting and welcomed all the members to the sixth BOS meeting. He welcomed and introduced the External and Internal members of BOS.

Chairman had explained about the credit pattern and about the academic activities, workshops, International Conferences & several other academic programmes conducted at REVA University and also explained the purpose of the meeting and the agenda in brief, then the agenda was taken up for discussion and the following resolutions were passed.

Agenda - 1

Item No. 1: Review of Scheme of Instructions and Syllabus of 2018-22 Batch of B. Tech. in Electronics and Communication Engineering Programme.

Resolution:

After lengthy discussion, the BOS resolved to recommend to the board the Scheme of 2018-22 and approval of the courses and the course contents proposed for B. Tech. Electronics and Communication Engineering Programme with the following points:

1. Additional soft-cores have been recommended.

2. Courses to be introduced as soft-cores for B. Tech., ECE are:
 - a) **Component Engineering**
 - b) **Software Engineering**
 - c) **Radar & Navigation**
3. Courses to be Renamed:
 - a) Operating System to be renamed as **UNIX and Operating System** by introducing UNIX concepts
 - b) DBMS be renamed as **RDBMS**
 - c) OOPS to be renamed as **OOPS Using C++**
4. Topics to be included:
 - a) The BOS members suggested to include Stress & Strain of materials, Thermal & Vibration concepts in Elements of Mechanical Engineering course of I Year.
 - b) The BOS members suggested including Project report writing, minutes of the report writing in Project management course of soft core.
5. Other BOS Suggestions:
 - a) The BOS suggested to introduce additional learning concepts for all theory and Lab courses highlighting the current applications.
 - b) The BOS suggested to reduce Technical English courses from Two to One and introduce a Foreign Language course.
 - c) The BOS also suggested to introduce evaluation mechanism for 16 additional credit courses like Sports/Yoga/Theater/Soft Skills etc.
6. The External BOS members appreciated the efforts of faculty and staff for their contributions in bringing out new scheme (2018-22) for UG.

The BOS members discussed the agenda in detail and the suggested modifications are incorporated as in **Annexure I**.

Agenda -2

Item No. 2: Review of Scheme of Instructions and Syllabus of 2018-20 batch of M. Tech. DCN programme.

The BOS Chairman explained the proposed Scheme of Instructions and Syllabus of 2018-20 batch of M. Tech. DCN programme and requested members to suggest modifications.

Resolution:

The BOS members discussed the agenda in detail and resolved to recommend to the board for approval of the Scheme, Syllabus and the Course contents proposed for M. Tech. DCN without any changes. The approved Scheme and Syllabus are as proposed in **Annexure II**.

Item No. 3: Review the modification for the syllabus (2017-19) of M. Tech VLSI and Embedded Systems (FT and PT) Programmes:

The Chairperson explained the proposed modifications in the courses proposed for M. Tech. VLSI & Embedded Systems (FT & PT) Programmes.

Resolution:

The Board considered the proposal and unanimously resolved to recommend some changes in Scheme of Instructions and Syllabus of I to IV Semester M. Tech. VLSI and Embedded Systems (FT) and I to VI Semester M. Tech. VLSI and Embedded Systems (PT) Programs as in **Annexure III, & IV** respectively.

Agenda -3

Item No. 4: Ratification for the regulations of Soft Core and internship of 2015 batch B. Tech. ECE 7th semester.

The Chairperson explained the proposed regulations of Soft Core and internship of 2015 batch B. Tech. ECE 7th semester

Resolution:

The Board considered the proposal and unanimously resolved to recommend the same As in **Annexure V**.

Based on the suggestions from BoS chair person, members & stake holders' feedback, the revisions are incorporated in syllabus. BoS chairperson has authorized to have 20% changes in curriculum.

Agenda -4

Item No. 5: Nomination of Panel of Board of Examiners (BOE) - Internal and External:

The Chairperson requested the Board Members to propose the Panel of Examiners for UG and PG Courses.

Resolution

The Board prepared the panel of Examiners (internal and external) for UG & PG Courses and resolved to recommend to the University, the said panel. The Board also decided to send the panel of examiners to the Registrar (Evaluation) directly as in **Annexure VI**.

Vice-chancellor shared the guiding factors and the syllabus framing themes with the BOS and thanked the BOS members for spending their valuable time and giving suggestions.

At the end, the Chairperson thanked all the members for having spared their valuable time for extending their cooperation.

Dr. R. C. Biradar
BOS Chairman, ECE

Proceedings of the meeting of Board of Studies in the Electrical and Electronics Engineering held on 9th June 2018 in Conference Room, 1st Floor, Administrative Block, REVA University, Rukmini Knowledge Park, Yelahanka, Bangalore – 560 064.

Member Present:

Sl. No.	Name of the Member	Designation	Affiliation
1	Dr. Rajashekar P Mandi	Chairperson	Director, School of EEE, REVA University, Bangalore
2	Dr. Divakar B.P	Member	Dean (R&I), REVA University, Bangalore
3	Dr. Narendranath Udupa	Member	Director, Philips, Bangalore
4	Mr. Nagaraj Hediyaal	Member	CEO, eNLiven Technologies, R&D centre & Design Consultants, Bangalore
5	Mr. Paramesh K.	Member	Dy. Director, KERC, Bangalore
6	Mr. Nagadev Singh	Member	Manager, EFD-Furnace Pvt. Ltd., Bangalore
7	Mr. K. Narayana Swamy,	Member	Associate Professor, School of EEE, REVA University, Bangalore
8	Mr. G. Raghavendra	Member	Assistant Professor, School of EEE, REVA University, Bangalore
9	Mr. Raghu C.N.	Member	Assistant Professor, School of EEE, REVA University, Bangalore
10	Dr. Harish Babu	Member	Professor, Dept. of Mathematics, REVA University, Bangalore
11	Mr. Sagar B S	Member	Assistant Professor, School of EEE, REVA University, Bangalore

Member Absent:

Sl. No.	Name of the Member	Designation	Affiliation
1	Dr. Ravishankar Deekshith	Member	Professor and HOD, BMSCE, Bangalore
2	Dr. C.S. Sharma		Director CEPO, Indian Space Research Organization (ISRO), Anthariksh Bhavan, New BEL Road, Bangalore

Proceedings

Dr. Rajashekar P Mandi, Chairperson of the Board of Studies in Electrical and Electronics Engineering welcomed all the BOS members present for the meeting and thanked them for sparing their valuable time and briefed about the outline of the meeting and requested all the members to deliberate on the agenda, and then the Agenda were taken up for discussion.

Agenda:

- 1) Swapping of one soft core course from/to 5th & 6th Sem for B Tech Batch 2016-20 & Batch 2017-21
- 2) Setting of New syllabus for B Tech. for 2018-22 batch.
- 3) Change of nomenclature of M Tech programme title from “Advanced Power Electronics” to “Power Electronics”.
- 4) Revision of syllabus for M Tech in Power Electronics for Batch 2018-20
- 5) Setting of Syllabus for new M Tech programme in Power & Energy Systems for full time for Batch 2018-20.
- 6) Setting of Syllabus for new M Tech programme in Power & Energy Systems for part time for Batch 2018-20.
- 7) Syllabus for PhD course 2 for two research scholars who joined for PhD during the year 2018.

Agenda topic BOS.AG1. Swapping of one softcore course from/to 5th & 6th Sem for BTech. Batch 2016-20 & Batch 2017-21

Discussion: The chair informed that the course Programming in Java (BTEE155604) included in the 5th semester for BTech at present requires knowledge of Data Structure using C++ which is included in the 6th semester. Hence requested members to consider swapping of the two courses for better integration of the two courses. The course Programming in Java (BTEE155604) is there in 2nd softcore group (SG) and in 6th semester Data structure using C++ course is there in 3rd softcore group. It is decided to shift the 5th sem softcore course “Programming in Java (BTEE155604)” to 6th semester and shift the 6th sem softcore course “Data Structure using C++ (BTEE156504)” to 5th semester.

Resolution: The Board unanimously agreed to swap the softcore courses from/to 5th semester and 6th semester.

Present:

5th Semester softcore course: Programming in Java (BTEE155604) and 6th semester softcore course: Data Structure using C++ (BTEE156504)

To be changed to:

5th Semester softcore course: Data Structure using C++ (BTEE185604) and 6th semester softcore course: Programming in Java (BTEE186504).

Agenda topic BOS.AG2. BTech. New syllabus for BTech. for 2018-22 batch

Discussion:

- The members deliberated on the distribution of credits for the new syllabus for BTech commencing in 2018. The chair briefed the members about the division of total credits into mandatory credits of 176 and additional credits of 16. While the various hardcore and softcore courses fall into the mandatory type the credits earned in yoga/sports/performing arts/ SWAYAM/MOOC/ skill development all put together fall into the second category of 16 credits.
- The members were briefed about the slight changes in the 1st semester. The Elements of Civil Engineering course is replaced with Engineering Mechanics course. It was deeply discussed that in many of the hardcore and softcore courses, some part of the basics is also covered, therefore, Basic Electrical Engineering (of 1st sem) and Basic Electronics Engineering (of 2nd sem) courses are merged into a single course as Basic Electrical and Electronics Engineering and is introduced in 1st sem. No changes in the remaining courses and labs, the total credits stand are 23.
- The changes in the 2nd sem were mentioned to the members. The Electrical Power Generation & Transmission course is brought in from 3rd semester to 2nd semester which require a pre-requisite of only basic electrical engineering which is covered in 1st sem. One of the members suggested that Bridge course must be taken for EEIM and EPG courses if other branch students are coming to electrical school with change of branch for 3rd sem. The chairperson appreciated the suggestion given by the member and assured that the bridge course for EPG will be taken during 3rd sem and EEIM will be taken up during 4th sem. The committee members had the opinion on removing of Computer Aided Engineering Drawing (CAED) in 2nd sem which deals with only basics of engineering drawing and is being handled by Mechanical School. The EEE students study Engineering electrical drawing in 7th sem in details along with basics of engineering drawing, detailed drawing of electrical machines and machine design. The Electrical & Electronic Instrumentation and Measurements is brought in from 3rd semester to 2nd semester which require a pre-requisite of only basic electrical engineering which is covered in 1st sem. The total credits allocated in 2nd sem are 23 credits.
- In 3rd sem, 6 hardcore courses and two labs are allocated. The Electrical circuit theory 1 and Electrical circuit theory 2 are merged into one course of Electrical circuit theory (ECT). The committee members have suggested that Analog electronic circuit design (AECD) and digital electronic circuit design (DECD) can be merged into one course with Analog electronic and digital electronic circuit design to accommodate additional hardcore courses. Theory and Applications of Linear Integrated Circuits (LIC) is brought in from 6th semester to 3rd semester. Committee members suggested that LIC is also an important course which needs to be studied by EEE students. Analog electronic circuit design lab and digital electronic circuit design lab are merged and made as one lab. Electrical and Electronics Measurements Lab is brought in from 4th semester to 3rd semester. One skill development program is introduced with 2 credits (additional credits). The total credits allocated (including mandatory & additional) in 3rd sem are 27 credits.

- In 4th sem, 4 hardcore courses (12 credits), 2 softcore courses (6 credits), 2 labs (4 credits) and soft skill of 2 credits are allocated along with sports/yoga/performing arts of 2 credits and SWAYAM/MOOC courses of 3 credits. Two softcore groups are introduced with each softcore group consisting of four courses each. In softcore group 1, Electrical power utilization, Electric drives, Digital System design with VHDL and Data base management system are introduced for the students to opt any one course from this group of their choice depending on their specialization. Similarly in softcore group 2, Management & Entrepreneurship, Electricity Act, Programmable logic controller and Data structure using C++ are introduced. Electrical Machine lab 1 is retained and microcontroller lab is brought in from 5th sem to 4th sem. SWAYAM/MOOC course for 3 credits online course and Yoga/Sports/Performing Arts/Meditation for 2 credits course are introduced as additional credits. The total credits allocated (including mandatory & additional) in 4th sem are 29 credits.
- In 5th sem, 3 hardcore courses (9 credits), 3 softcore courses (9 credits), 2 labs (4 credits) and soft skill of 2 credits are allocated along with skill development program for 2 credits. Power System Analysis, Switch Gear & Protection (SGP) & High Voltage Engineering courses are introduced as hardcore courses. Initially the SGP course was planned as softcore but one of the BoS members suggested to make SGP as hardcore course because this course is very essential for an electrical engineer. Therefore, SGP course is made as hardcore which is a compulsory. Three softcore groups are introduced with each softcore group consists of four courses. In softcore group 1, Design of Electrical Machines, Advanced Power Electronics, VLSI Circuits and Design & Python Programming are introduced for the students to opt any one course from this group of their choice depending on their specialization. Similarly in softcore group 2, Operation & Research, Electric & Hybrid Vehicles, Digital Image Processing & Web Programming are introduced. Similarly in softcore group 3, Electrical Power Quality, Electrical regulations and safety, Embedded Systems & IOT and Artificial Intelligence are introduced. Power electronic lab is moved in from 4th sem to 5th sem and Electrical Machine lab 2 is brought in from 6th sem to 5th sem. One Skill Development Program is introduced with 2 credits (additional credits). The total credits allocated (including mandatory & additional) in 5th sem are 26 credits.
- In 6th sem, 3 hardcore courses (9 credits), 3 softcore courses (9 credits), 2 labs (4 credits) and soft skill of 2 credits are allocated along with skill development program of 2 credits and SWAYAM/MOOC courses of 3 credits. Computer Aided Power System Analysis and Stability, Digital Signal Processing (DSP) & Control Engineering courses are introduced as hardcore courses. DSP course is made as hardcore course to enhance the skill of students in signal processing and signal processing lab (in 7th sem) is also introduced. Three softcore groups are introduced with each softcore group consists of five courses. In softcore group 1, Testing and Commissioning of Electrical Equipment, Energy storage systems, Electrical Engineering Materials, MEMS Technology and Big Data Analytics & Cloud Computing are introduced for the students to opt any one course from this group of their choice depending on their specialization. Similarly in softcore group 2, Power System Planning and Reliability, Modeling and Simulation of Electrical Machines, Industrial Instrumentation and Automation, Fundamentals of Robotics and JAVA Programming are introduced. Similarly in softcore group 3, Smart grid, Reactive power management, Advanced Electrical Machines, Analog & Digital Communication Systems and Cryptography & Network Security are introduced. Power system simulation lab is shifted from 7th sem to 6th sem and Control system lab 2 is retained. SWAYAM/MOOC course for 3 credits online course and one skill development Program of 2 credits course are introduced as additional credits. The total credits allocated (including mandatory & additional) in 6th sem are 29 credits.

- In 7th sem, one hardcore course (4 credits), 2 softcore courses (6 credits), one open elective course of 3 credits and 2 labs (4 credits) are allocated along with one skill development program of 2 credits. Computer Aided Electrical Drawing is introduced as hardcore with lab component. Project phase 1 is introduced for the students to carry out the literature review, writing synopsis or to carry out a mini project during this semester. Two softcore groups are introduced with five courses for SG 1 & four courses for SG 2. In softcore group 1, Advanced Control Engineering, Electrical Energy Conservation, Computer Control of Electric drives, Advanced microcontrollers & Software testing are introduced for the students to opt any one course from this group of their choice depending on their specialization. Similarly in softcore group 2, HVDC, Operation & Control of Power Systems, Optic Fiber Communications and Computer Networks Concepts & Protocols are introduced. One open elective course is introduced for the students to opt a course of their own choice from other schools (excluding own school). This will help students to develop their skills in different fields. One of the members suggested to introduce the signal processing lab to enhance the students' skill in the area for digital signal processing capabilities using MATLAB simulation. The chairperson welcomed the suggestion by the member and informed that in this semester Signal processing lab is introduced. One skill development program of 2 credits course is introduced as additional credits. The total credits allocated (including mandatory & additional) in 7th sem are 21 credits.
- In 8th sem, major project of 8 credits, one softcore course (3 credits) and Internship / Global Certification of 3 credits are allocated. The major project need to be carried out by the students at industry and there must be a hardware development with some simulation work. The major project will be reviewed periodically by the guides at industry/faculty and regular evaluation of IA1, IA2 & IA3 will be carried out for major project. One softcore group is introduced with four courses i.e., Trouble Shooting of Common Electrical Equipments, Introduction to Flexible AC transmission system, Wireless communication & Machine Learning Techniques are introduced for the students to opt any one course from this group of their choice depending on their specialization. The total credits allocated (including mandatory & additional) in 8th sem are 14 credits.
- All the board members have discussed in depth and praised that the syllabus is framed to suit the present day industrial applications.

Resolution: The Board unanimously agreed to adopt the new scheme and syllabus for BTech in Electrical & Electronics Engineering for 2018-22 Batch onwards.

Agenda topic BOS.AG3. M Tech Changing the name of the M Tech course title from “Advanced Power Electronics” into “Power Electronics”.

Discussion: Since the admission to M Tech course has dwindled during past three years for unknown reasons, the course title is renamed as only MTech. in “Power Electronics” to attract more students to M Tech program in Power Electronics

Resolution: The board unanimously resolved to adopt the new name for the M Tech course as M Tech in “Power Electronics” instead of Advanced Power Electronics.

Agenda topic BOS.AG4. M Tech: Revision of syllabus for M Tech in Power Electronics for Batch 2018-20

Discussion:

- The total number credits are retained with 96 credits.
- In 1st sem, four courses are hardcore (18 credits) and two courses are softcore (8 credits). Applied Mathematics, Analysis of Power Converters and Power semiconductor Devices and design issues courses are retained as hardcore courses. Advanced Electrical Machines course is changed from Softcore to hardcore to deal with advanced electrical machines for electric vehicles and other applications. Two softcore groups are introduced with each softcore group of four courses each. In softcore group 1, Computer Aided Power System Operation and Analysis (new course added), Power system Instrumentation (course retained), SCADA & PLC System and Application (new course added) and Wind energy System (new course added) are incorporated. In softcore group 2, FACTS Controller (course retained), Dynamics of linear systems (course retained), Grid Integration to Renewable Energy System (new course added) and Reactive Power Management (new course added) are incorporated. The total credits allocated in 1st sem are 26 credits.
- In 2nd sem, three courses are hardcore (14 credits) and three courses are softcore (12 credits). Analysis of power Conversion using DC-DC converters and HVDC Transmission hardcore courses are retained. AC-DC Drives course is changed from Softcore to hardcore course. Three softcore groups are introduced with four courses for SG1 & SG2 and five courses for SG3. In softcore group 1, Electric vehicle (course retained), Recent Trends in Grid Technology like Microgrid and Smart Grid (new course added), Environmental Impacts of Energy Conversion and Safety (new course added) and FPGA Application (new course added) are incorporated. One of the members suggested that the power electronic design component may be incorporated in one of the course. The chairperson welcomed the suggestion and informed to the committee members that to consider the design component in the hardcore subjects like Analysis of power converter and power semiconductor devices, the lab components are added and also senior faculties like Dr. Divakar B.P. & Prof. Narayana Swamy are taking up of additional tutorial and lab hours to enhance the skill of students in design aspect of power electronics. In softcore group 2, Power Quality and Harmonics Mitigation (course retained with change in title and slight modification in syllabus by adding few topics on harmonic filter design & application), Fuzzy logic system (course retained), Electricity Regulations (new course added) and Reliability Engineering (new course added) are incorporated. In softcore group 3, Multilevel Inverter (course retained), EMC / EMI / Power transients (course retained with modification in title and syllabus), Optimization Techniques (new course added), Grid Integration to Renewable Energy System (new course added) and Trouble shooting & Maintenance of Electrical equipment (new course added) are incorporated. Some of the members have suggested to discuss the case studies for subjects like Fuzzy logic system, FPGA Application, Power quality, etc. The chairperson accepted the suggestion given by the committee and informed the committee members that while framing the syllabus, the care was taken to incorporate the practical aspects for the courses. However, the chairperson had appreciated the committee members for the suggestions which will be implemented. The total credits allocated in 2nd sem are 26 credits.

- In 3rd sem, one softcore course of 4 credits, one open elective course of 4 credits, Skill development program / certification program of 4 credits, Mini project / Internship of 8 credits, MOOC/SWAYAM course with 2 credits and Yoga / sports / performing arts with 2 credits are incorporated. In softcore group there are four courses i.e., Application of ICs in the design of Power Electronic Circuits (course retained), Energy Conservation and Auditing (new course added), Power Economics and Trading (new course added) and Project Management & Report writing (new course added) are incorporated while Simulation of Power Electronic circuits is deleted because many of the concepts & topics are repeated. The total credits allocated in 3rd sem are 24 credits.
- In 4th sem, major project is retained as compared to earlier Scheme (207-19) with 20 credits. The major project need to be carried out by the students at industry and there must a hardware development with some simulation work. The major project will be reviewed periodically by the guides at industry/faculty and regular evaluation of IA1, IA2 & IA3 will be carried out for major project.

Resolution: The Board unanimously agreed to adopt the new scheme and syllabus for M Tech in Power Electronics for 2018-22 Batch onwards.

Agenda topic BOS.AG5. M Tech. Syllabus for new M Tech program in Power & Energy Systems (full time) for Batch 2018-20

Discussion:

- The total number credits are 96 credits.
- In 1st sem, four courses are hardcore (18 credits) and two courses are softcore (8 credits). Applied Mathematics, Computer Aided Power System Operation and Analysis, Power System Protection and Analysis of Power Converters are incorporated as hardcore courses. Two softcore groups are introduced with each softcore group consists of four courses each. In softcore group 1, Advanced Electrical Machines, Power system Instrumentation, SCADA & PLC System and Application and Energy Storage Technology are incorporated. Some of the members suggested that for SCADA, the industry visit or internship may be arranged for the students to see the actual SCADA system in field. The Chairperson had assured that the field visits are being arranged to showcase the actual practical application of SCADA system and also informed that the hands on workshop on PLC will be arranged for the students. In softcore group 2, FACTS Controller, Grid Integration to Renewable Energy System, Reactive Power Management and Recent Trends in Grid Technology (Smart Grid) are incorporated. The total credits allocated in 1st sem are 26 credits.
- In 2nd sem, three courses are hardcore (12 credits) and three courses are softcore (12 credits). Solar Energy System, Energy Conservation & Demand side Management and HVDC Transmission are incorporated as hardcore courses. Three softcore groups are introduced with each softcore group consists of four courses each. In softcore group 1, Electric vehicle, AC-DC Drives, Advanced Energy Systems and FPGA Application are incorporated. In softcore group 2, Power Quality and Harmonics Mitigation, EMC / EMI / Power Transients, Reliability Engineering and Wind energy System are incorporated. In softcore group 3, Multilevel Inverter, Environmental Impacts of Energy Conversion and Safety, Trouble shooting & Maintenance of

equipment and Green Building Technology are incorporated. One of the members suggested for inviting external expert to give lecture and share the industry experience on energy conservation and demand side management. The chairperson had informed that the case studies are included in the syllabus, it is also made mandatory that for each course minimum two external experts from industries are being invited to deliver expert lecture & share their industrial experience. The total credits allocated in 1st sem are 24 credits.

- In 3rd sem, one softcore course of 4 credits, one open elective course of 4 credits, **Skill development program / certification program** of 4 credits, Mini project / Internship of 8 credits, MOOC/SWAYAM course with 2 credits and Yoga / sports / performing arts with 2 credits are incorporated. In softcore group there are four courses i.e., Electricity Regulations, Power System Dynamics & Control, Power Economics & Trading and Project Management & Report writing are incorporated. The total credits allocated in 2nd sem are 24 credits.
- In 4th sem, only major project is incorporated. The major project needs to be carried out by the students at industry and there must a hardware development with some simulation work. The major project will be reviewed periodically by the guides at industry/faculty and regular evaluation of IA1, IA2 & IA3 will be carried out for major project.

Resolution: The Board unanimously agreed to adopt the new scheme and syllabus for MTech in Power & Energy Systems (Full time) for 2018-22 Batch onwards.

Agenda topic BOS.AG6. MTech. Syllabus for new MTech program in Power & Energy Systems (part time) for Batch 2018-21

Discussion:

- The MTech in Power & Energy System (part time) is conducted in six semesters of three years duration. The total number of credits are 96 credits.
- In 1st sem, two courses are hardcore (9 credits) and one course is softcore (4 credits). Applied Mathematics and Analysis of Power Converters are incorporated as hardcore courses. **One softcore group is introduced** with four courses i.e., Advanced Electrical Machines, Power system Instrumentation, SCADA & PLC System and Application and Energy Storage Technology are incorporated. The total credits allocated in 1st sem are 13 credits.
- In 2nd sem, two courses are hardcore (9 credits) and one course is softcore (4 credits). Computer Aided Power System Operation and Analysis and Power System Protection are incorporated as hardcore courses. One softcore group is introduced with four courses i.e., FACTS Controller, Grid Integration to Renewable Energy System, Reactive Power Management and Recent Trends in Grid Technology (Smart Grid) are incorporated. Some of the members felt that the simulation component may be added to the courses like FACTS controller, reactive power management, etc. For these subjects additional hours are being allotted to provide the simulation. The total credits allocated in 2nd sem are 13 credits.

- In 3rd sem, two courses are hardcore (8 credits) and one course is softcore (4 credits). Solar Energy System and Energy Conservation & Demand side Management are incorporated as hardcore courses. **One softcore group is introduced** with four courses i.e., Power Quality and Harmonics Mitigation, EMC / EMI / Power Transients, Reliability Engineering and Wind energy System are incorporated. The total credits allocated in 3rd sem are 12 credits.
- In 4th sem, one course is hardcore (4 credits) and two courses are softcore (8 credits). HVDC Transmission course is incorporated as hardcore course. **Two softcore groups are introduced** with each softcore group consists of four courses. In softcore group 1, Electric vehicle, AC-DC Drives, Advanced Energy Systems and FPGA Application are incorporated. In softcore group 2, Multilevel Inverter, Environmental Impacts of Energy Conversion and Safety, Trouble shooting & Maintenance of equipment and Green Building Technology are incorporated. The total credits allocated in 4th sem are 12 credits.
- In 5th sem, one softcore course of 4 credits, one open elective course of 4 credits, Skill development program / certification program of 4 credits, Mini project / Internship of 8 credits, MOOC/SWAYAM course with 2 credits and Yoga / sports / performing arts with 2 credits are incorporated. In softcore group there are four courses i.e., Electricity Regulations, Power System Dynamics and Control, Power Economics & Trading and Project Management & Report writing are incorporated. The total credits allocated in 5th sem are 24 credits.
- In 6th sem, only major project is incorporated. The major project needs to be carried out by the students at industry and there must a hardware development with some simulation work. The major project will be reviewed periodically by the guides at industry/faculty and regular evaluation of IA1, IA2 & IA3 will be carried out for major project.

Resolution: The Board unanimously agreed to adopt the new scheme and syllabus for MTech in Power & Energy Systems (Part time) for 2018-22 Batch onwards


Agenda topic BOS.AG7. PhD. Syllabus for PhD course 2 for two research scholars who joined for PhD during the year 2018.

Discussion:

- During the year 2018, two research scholars have got admitted for perusing PhD at School of EEE, REVA University under the guideship of Dr. Rajashekar P. Mandi, Director and Dr. Divakar B.P., Dean (R&I) one each.
- The course 2 syllabus is framed to suit the research work of Scholars. The following course titles are selected and framed the detailed syllabus for two research Scholars:
 - a) Modeling and Performance Evaluation of Three Phase Induction Motor
 - b) Modeling of Induction Motor and Power Electronics Devices

Resolution: The Board unanimously agreed to adopt the syllabus for course 2 for two PhD research scholars for 2018 Batch.

The Chairperson thanked the members of the Board for their valuable inputs. The meeting was then concluded.



Director
School of Electrical &
Electronics Engineering
REVA University, Rukmini Knowledge Park
Kattigenahalli, Yelahanka, Bengaluru-560 064

Chairperson
Director, School of EEE, REVA University, Bangalore



REVA
UNIVERSITY
Bangalore, India

School of Electrical & Electronics Engineering

Board of Studies in Electrical & Electronics Engineering

Attendance Sheet


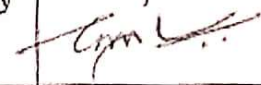


Date: 09-06-2018

Time: 10:30 AM

Venue: Board Room, Administrative Block

Sl. No.	Name of the Member	Designation	Affiliation	Signature
1.	Dr. Rajashekar P Mandi Director, School of Electrical & Electronics Engineering, REVA University	Chairperson	REVA University	
2.	Dr. Divakar B.P Dean, Research & Innovation, REVA University	Member	REVA University	
3.	Dr. Ravishankar Deekshith Professor and HOD, BMSCE, Bangalore	Member	BMSCE, Bangalore	
4.	Dr. C.S. Sharma, Director CEPO, Indian Space Research Organization (ISRO), Anthariksh Bhavan, New BEL Road, Bangalore	Member	ISRO, Bangalore	
5.	Dr. Narendranath Udupa, Director and Dept. Head Philips, Bangalore	Member	M/s.-Phillips, Bangalore <i>Independent Energy Consultants</i>	
6.	K Nagdev Singh Manager-Marketing-Special Applications, EFD Induction Private Limited, Bangalore	Member	M/s. EFD Induction Pvt. Ltd., Bangalore	
7.	Mr. Paramesha K Deputy Director (Power System) Karnataka Electricity Regulatory Commission, Bangalore	Member	KERC, Bangalore	
8.	Mr. Nagaraj Hediya Chief Executive Officer, eNLiven Technologies, R&D centre & Design Consultants, Bangalore	Member	M/s. eNLiven Technologies Pvt., Ltd., Bangalore	 9/6/18



9.	Mr. K.Narayana Swamy, Sr. Associate Professor, REVA University	Member	REVA University	
10.	Dr. Harish Babu Associate Professor, Maths Dept. REVA University	Member	REVA University	
11.	Mr. Raghavendra G., Asstt. Professor, School of Electrical and Electronics Engineering, REVA University	Member	REVA University	
12.	Mr. Raghu N. Asstt. Professor, REVA University	Member	REVA University	





SCHOOL OF MECHANICAL ENGINEERING

Proceedings of the Meeting of BOS held on 06.06.2018

The meeting started with welcoming of the board members by the Chairperson Dr. K S Narayanaswamy Director School of Mechanical Engineering. He briefed the agenda of the meeting and requested the board members for review of new curriculum proposed for the academic period 2018-22 and review of present syllabus of 2nd year to 4th year. Director also requested for approval of the new curriculum for the batch of 2018-19 and present syllabus with modification if required for the academic year 2018-19. Dr. S Y Kulkarni Vice chancellor REVA University highlighted the academic activities of the university and importance of new curriculum in the changing economy of the globe. Dr. Y Ramalingareddy Associate Dean, School of Civil and Mechanical Engineering enlightened the importance of curriculum with more focus on acquiring the skill, knowledge and employment through project based learning. Both the invitees acknowledged the external members for their presence and valuable input given for design of new curriculum. Then the agenda was taken for the discussion.

Members Present:

SI No	Name of the Member	Designation
1	Dr. K. S. Narayanaswamy Director, School of Mechanical Engineering, REVA University dir.me@reva.edu.in 9900799440	-Chairperson
2	Mr. S. Hareesha Senior Manager(Design), Stress Group, ARDC, HAL , Bangalore-37, hareeshhal@yahoo.co.in 9980235106	Member
3	Mr. M. G. Biradar R&D Manager-TH, Wipro Infrastructure Engineering biradar.g30@wipro.com ,9945026303	Member
4	Dr. Mallikarjuna Reddy HOD & Associate Professor, Department of Design & Automation, School of Mechanical Engineering Vellore Institute of Technology, Vellore, dmreddyitmt@gmail.com 9600845926	Member
5	Dr. Vidhya Sagar Professor, Dept of Mechanical Engg. UVCE, Bangalore hnv_sagar@hotmail.com , 9886494510	Member
6	Dr. Mahesh A.* Manager, Rolls-Royce India Ltd, Bangaluru ra.mahesh@gmail.com 9945067410	Member
7	Dr. Sharanappa Godiganur Professor, School of Mechanical Engineering REVA University sharanappag@reva.edu.in 9482230357	Member
8	Prof. C D Hampali Associate Professor, School of Mechanical Engineering REVA University, hampali@reva.edu.in 9845234050	Member
9	Dr. S H Manjunath Professor, School of Mechanical Engineering	Member

	REVA University manjunath.sh@reva.edu.in 9845566426	
10	Prof. Raju B. S Associate Professor, School of Mechanical Engineering REVA University, raju_bs@reva.edu.in 9880655105	Member
11	Dr. N. Jegadeeswaran Professor, School of Mechanical Engineering REVA University njagadeeswaran@reva.edu.in 9880231308	Member
12	Prof. L. R. Jagadeesh Associate Professor, School of Mechanical Engineering REVA University, jagadeesh_lr@reva.edu.in 9844074156	Member
13	Prof. Mahesh. L Assistant Professor, School of Mechanical Engineering REVA University, maheshl@reva.edu.in 9964272378	Member

Members Present:

- | | |
|---------------------------|-----------------|
| 1. Dr.S.Y.Kulkarni, | Special Invitee |
| 2. Dr. Y. Ramalinga Reddy | Special Invitee |
| 3. Dr.Uday Kumar | Special Invitee |

Sl No	Name	Designation	Affiliation	Signature
1	Dr. K. S. Narayanaswamy	Chairperson	Director, School of Mechanical Engineering	
2	Mr. S. Hareesha	External Member	Senior Manager(Design), Stress Group, ARDC, HAL, Bangalore-37	
3	Mr. M. G. Biradar	External Member	R&D Manager-TH, Wipro Infrastructure Engineering	
4	Dr. Mallikarjuna Reddy	External Member	HOD & Associate Professor, Dept of Design & Automation, School of Mechanical Engg, VIT, Vellore	
5	Dr. Vidyasagar H N	External Member	Professor, Dept of Mechanical Engg. UVCE, Bangalore	
6	Dr. Mahesh A	External Member	Manager, Rolls-Royce India Ltd, Bangalore	
7	Dr. Sharanappa Godiganur	Internal Member	Professor, School of Mechanical Engineering, REVA University	
8	Prof. C D Hampalli	Internal Member	Associate Professor, School of Mechanical Engineering, REVA University	
9	Dr. S. H. Manjunath	Internal Member	Professor, School of Mechanical Engg REVA University	
10	Prof. Raju B. S	Internal Member	Associate Professor, School of Mechanical Engineering, REVA University	
11	Prof. L. R. Jagadeesh	Internal Member	Associate Professor, School of Mechanical Engineering, REVA University	
12	Dr. N. Jegadeeswaran	Internal Member	Professor, School of Mechanical Engineering, REVA University	
13	Prof. Mahesh. L	Internal Member	Assistant Professor, School of Mechanical Engineering, REVA University	

The agenda of the meeting was

Agenda 1. Review of new curriculum for the academic period 2018-22 and approval for the academic year 2018-19.

Agenda 2. Revision of syllabus of 3rd semester to 8th semester for batches of 2015-16, 2016-17 and 2017-18.

Based on suggestions from BOS chairperson & members, and stakeholder's feedback, the following syllabus changes are incorporated in the curriculum. The chairperson of BOS has authorized to 20% changes in the curriculum.

Recommendations/Resolutions

The BOS members reviewed the entire curriculum and approved the syllabus for the academic year 2018-19 with the following changes.

Proceedings of Agenda 1: Review of new curriculum for the academic period 2018-22

1. The total credit of 192 for B.Tech in Mechanical Engineering is approved. In which 178 credit for academics and remaining 14 credit for Co curricular and extra co curricular activities
2. The scheme of instructions for the new curriculum for 2018-22 batch is approved.
3. Most of the courses in mechanical engineering are fundamental courses, hence these courses are retained in the new curriculum.
4. Number of Soft core courses are enhanced from 7 to 10 in new curriculum to satisfy CBCS.
5. Six software related courses with lab session are introduced in different semester to enhance the employment capability of mechanical students in software segment.

6. 1 year Courses

- **Mathematics-1** is introduced as **Calculus (B18ME1010)** based on the content of the course. Unit-3 Calculus 3 new contents such as Curves in space, tangents and normal, Velocity and acceleration related problems, scalar and vector point functions-Gradient, Divergence and curl, directional derivatives. Solenoidal and irrotational vector fields, Vector identities are introduced.
- Basic science courses such as **Engineering Chemistry and Engineering Physics** is renamed as **Applied Chemistry and Applied Physics** applicable to Mechanical engineering by introducing content related to mechanical.
- **Applied Chemistry (B18ME1020)**: the content related to principles of thermodynamics (thermodynamics laws, internal energy and enthalpy change) from **Unit-1** has been removed. **Unit -2** title has been changed as **Energy Storage and Conversion Devices**. In Unit-2 the content of primary and secondary batteries is made as specific study to Zn-MnO₂, lead-acid, lithium, lithium-ion batteries. **The topic on Fuels has been removed** from this unit. **Unit-3** title has been renamed as **Corrosion and its Control**. In this unit the new topics like galvanizing, tinning, organic and inorganic coatings have been introduced as corrosion control. From this unit **water technology** topic has been removed. In Unit-4, the **content in polymers** topic revised completely by adding new content such as Synthesis, advantages and

applications of polymer composites (Carbon fiber & Kevlar) and Conducting Polymer: Synthesis, mechanism and applications of polyacetylene. Properties on Carbon nano materials topic is removed.

- *Basic Electrical Engineering* and *Basic Electronic Engineering* courses are introduced as *Basic Electrical & Electronics Engineering* as one course with modification of content. Electrical circuits and machines are introduced.
- *Electrical Engineering lab* is introduced in 1st sem which is integrated with *Basic Electrical & Electronics* course. The experiments are on electrical tools, wiring, transformers, rectifiers and sensors.
- In *CAED* course auxiliary plane method is introduced in addition to change of position method in projection of solids.
- Part-A experiments of 3rd year *Energy Conversion Lab* of present syllabus has been shifted to *Applied Chemistry Lab*.
- In second semester *Linear Algebra and Laplace Transform (B18ME2010)* course is replaced by engineering mathematics.
- In *Applied Physics*, Fluid Properties and Fluid Statics of 2nd year *Fluid Mechanics* syllabus is introduced in Unit-1 & Unit-2. Unit-3 Measurement & measurement system and intermediate modifying devices of 2nd year *Mechanical Measurements & Metrology* course is introduced as Unit-4 in Applied Physics.
- An experiment on pressure gauge, thermocouple, LVDT and strain gauge in 2nd year *Metrology lab* is shifted to *Applied Physics Lab*.
- *Manufacturing Technology* course is introduced which is the core subject in mechanical engineering.
- *Computer Concept & C programming* is introduced as *C Programming* with addition of Computer graphics in Unit-4.
- *Elements of civil engineering* is renamed as *engineering mechanics*. The topic on elements of civil engineering and civil engineering materials are added in Unit-1.
- The remaining courses of present scheme are retained in 2018-19 scheme.

7. II year Courses

- In 3rd sem, *Mathematics -3* is introduced as *Numerical Methods & Probability* specific to the content. Markov's Chains are introduced in Unit-4.
- *Basic Thermodynamics* course is renamed as *Engineering Thermodynamics* without any modification in the course content.
- In *Material Science and Metallurgy Course (B18ME3150/4150)* major modification has been done.
- In *Mechanical Measurement & Metrology*, advancement in metrology topic is introduced in Unit-4. Measurement of Force, Torque, Temperature and Strain, force, torque, temperature and strain measuring devices.
- *Fluid Mechanics* course is introduced as *Fluid Mechanics & Fluid machinery* with addition of centrifugal pumps and hydraulic turbines.

- *Manufacturing Technology –II* is introduced as *Theory of Metal Cutting & Machine Tools* without any changes in the content.
- *Machine shop* is renamed as *Metal Cutting & Machine Tools Lab* with use of metrology instruments to check the accuracy of the model.
- *Material Science lab* renamed as *Materials Testing & Characterization Lab*.
- *Manufacturing Technology Lab* is introduced as *Casting & Forging Lab*.
- Five soft core courses are introduced in 4th semester; student has to select one of the soft core.
- *Advanced Materials* and *Plastic Engineering* are the new courses introduced as soft core courses.
- One software course *OOPS with C++* is introduced as a soft core to enhance employment capability of the mechanical students in software segment.
- *Placement Training* is introduced as 2 credit course in each semester from III semester to VI semester.
- *Sports/yoga/music/dance/theatre course* is introduced as 2 credit course.
- The remaining courses like *Material Science & Metallurgy, Applied Mathematics; Applied Thermodynamics & CAMD* of present scheme are retained in the new curriculum without any changes in the content.

8. III Year Courses

- *Theory of Machines-II* in present scheme is renamed as *Dynamics of Machines* with addition of belt drives.
- A new course *Metal Forming Process* is introduced.
- Ten soft core courses are introduced in two groups in 5th semester in which one course must be selected from each group.
- *DBMS & Java Programming* are the two software courses are recommended.
- *Internal Combustion Engines lab* is introduced by considering Part-B experiments of the *Energy Conversion lab* of the 2017-18 scheme.
- *CIM & Automation Lab* is shifted from 7th semester of 2017 scheme to 5th & 6th semester in new scheme.
- *Design Lab* in 7th semester 2017 scheme is renamed as *Design & Dynamics Lab* and introduced in 5th and 6th semester integrated with MAT Lab.
- *Design Machine Elements-2* in 6th semester of present scheme is renamed as *Design of Transmission Elements* with relevant to the course content.
- Fifteen soft core courses are introduced in three groups in 6th semester in which one course must be selected from each group.
- Two new software courses *Machine learning programming using Python* and *Artificial Intelligence* are introduced in 6th semester as soft core courses.
- *Fracture Mechanics* course is recommended for 6th semester as a soft core.

9. IV Year Courses

- *FEM* and *Control Engineering* (Control systems in old scheme) are retained in the new scheme without any changes in the course content.
- *Control Engineering* is integrated with Lab component. The students have to solve some numerical using Mat Lab.
- *Operation Research* and *Mechanical Vibrations* are considered as soft core courses in new scheme which are hard core courses in 2017 scheme.
- Ten soft core courses are introduced in 7th semester in two groups in which student has to select on one course from each group.
- *Safety Engineering* from 8th semester is introduced as soft core course.
- *Data Analytics Using R-Programming* is introduced in 7th semester as a soft core subject.
- Two open elective courses I,e *Project Management and Automobile Engineering* are recommended for the students of other schools.
- 6th semester *CAMA Lab* of 2017 scheme is renamed as *Structural Analysis Lab* which is recommended to 7th semester in new scheme.
- New lab *Product Design & Concept lab* is proposed for 7th semester. This lab is project based in which student has to design new product and get 3D model using RP machine. For the evaluation students have submit the report and give presentation.
- Ten soft core courses are introduced in two groups in 8th semester. The students have to select one from each group.
- Four new soft core courses are recommended in 8th semester which are
 - a) *Electric vehicles & Hybrid Vehicles*
 - b) *Advanced Foundry Technology*
 - c) *Energy Audit & Management*
 - d) *Internship*
- Students have to do internship for 21 days in one slot or 15 days each two slots to earn 3 credits.
- One certification course of minimum 3 credits has to be done through *MOOC or Swayam or NPTEL* by registering in the beginning of the 8th semester.

Proceedings of Agenda 2: Revision and approval of scheme and syllabus of 3rd semester to 8th semester for the batches of 2015-16, 2016-17 and 2017-18.

- Scheme and content of 3rd semester to 6th semester is retained without any changes in the content except CAMD course in which assembly of Tool head of the shaper is removed and it is approved.
- In 7th semester *Operation Research* was 3 credit courses, which is converted to 4 credit course.
- Five soft core courses in 7th semester such as *Cryogenics Engineering, Product Design & Development, Engineering Economics & Financial Management & Theory of Plasticity* having 4 credits is converted into 3 credits courses.

7th November 2017
To,
Vice-Chancellor,
REVA University,
Bengaluru.

Sub: Board of Studies Committee in Architecture

Sir,
With reference to earlier discussion with you we have framed Board of Studies for a period of 2018-19 to 2020-2021. We have selected members from Profession and Academics. The committee comprises of eminent architects from profession and academics. Dr. Bhooshan eminent professional, academician and researcher. Dr. Abhijit natu academician and research guide for architecture research scholars. Dr. Nagendra H. N. director of School of Architecture & planning, academician and research guide in Architecture & planning. Ar. Neeta Kembhavi winner of many awards for her projects.

BOARD OF STUDIES-ARCHITECTURE

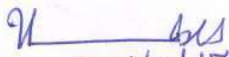
Board of Studies members 2018-19 to 2020-21

	Name	Address	Contact No.	Email	
1	Dr. Vimala Swamy	Director, School of Architecture, REVA University	9535836886	dir.arch@reva.edu.in	Chairperson
2	Dr. B.S. Bhooshan	656 B, Fifth Cross, Saraswathipuram, Mysore	0821 -2510148 9845106500	Shashi.bhooshan@gmail.com	Member
3	Dr. H. N. Nagendra	Director, SPA, Manasagangotri, Mysore	9448957979	nagendrahnn@gmail.com	Member
4	Dr, Abhijit Natu	Professor, BKPS College of Architecture, Pune	9035015861	asnatu@bkps.edu	Member
5	Ar. Neeta Kembhavi	1872, S Building, 38 A Cross, 11 th A Main, 5 th T Block, JayaNagar, Bengaluru-560041	080-22442734 080-22441557	Kaf.blr@kembhaviarchitects.com	Member
6	Ar. Rajesh. M.	Professor, School of Architecture, REVA University.	9845307887	rajeshmalik@reva.edu.in	Member
7	Ar. Vidya Srikanth	Associate Professor, School of Architecture, REVA University.	9972256670	vidyasrikanth@reva.edu.in	Member
8	Ar. Shubhi Sonal	Associate Professor, School of Architecture, REVA University.	9901777455	shubhisonal@reva.edu.in	Member
9	Ar. Kokila .M	Assistant Professor, School of Architecture, REVA University.	9916823216	kokilamohan@reva.edu.in	Member

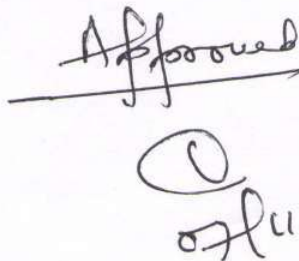
I request you to Kindly approve the same.

Thanking you.

Yours Sincerely


Director 17.

School of Architecture
REVA University, Bengaluru-560 064.



School of Architecture, REVA University
BOARD OF STUDIES MEETING – 4th May 2018

MINUTES OF MEETING

Board of studies meeting for approval of syllabus for the existing and forthcoming batches was convened on 4th May 2018 at the Board room, Admin Block on 4th May 2018

The meeting was attended by the following members-

1. Dr. Nagendra H N
2. Dr. Bhooshan S B
3. Ar. Neeta Kembhavi
4. Dr. Vimala Swamy
5. Ar. Vidya Srikanth
6. Ar. Rajesh Malik
7. Ar. Shubhi Sonal
8. Ar. Kokila Mohan

Minutes of meeting recorded by Ar. Anup K. Prasad

The following were the main points of discussion during the meeting.

- The meeting began with an introduction to the School of Architecture and its achievements by Director Dr. Vimala Swamy. She showcased some mentionable projects and live projects carried out by the students, publications, REVA Rachana 2018 and community outreach.
- Brief Preamble of the syllabus was presented highlighting the need for Outcome based education.

Scheme- 2015 batch- Semesters 7,8,9 and 10

- Scheme was presented for the 2015 batch- Semesters 7,8,9 and 10.
- Dr. Bhooshan requested better clarity regarding courses offered by other schools for the students of Architecture under the category of open electives. He advised that all subjects should be linked to architecture.
- Urban design studio(7th sem) to concentrate on focussed projects such as bus terminal design etc. Large scale, macro level projects to be avoided.
- He suggested that writing skills should be improved as students pick up the skills step by step in subjects such as Communicative English, Architectural research writing and Architectural Journalism.
- Dr. Bhooshan expressed the need for balancing the emphasis on research and design for thesis/ AD studios. Ar. Neeta Kembhavi suggested that the same can be achieved by effective mark distribution to enhance the output.

Scheme- 2018 batch

- The BOS members were satisfied with the subjects included across semester and expressed that the onus for effective course delivery lies with the concerned faculty members.
- Dr. Bhooshan suggested the use of computer based softwares as designing tools rather than just drafting aids.



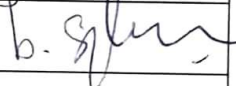

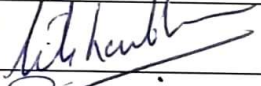
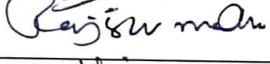
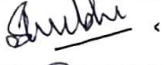

Detailed syllabus- 2018 batch, sem- 1 to 6

- Dr. Bhooshan suggested that Architectural representation studio should be assisted by a mechanical Engineer to enable better understanding of the subject.
- Environmental studies syllabus appeared to be broad based. Course delivery to ensure architectural aspects are covered.
- 3D modelling softwares to be used for climatology
- In the Modelmaking course(sem-2), Dr. Bhooshan suggested use of latest equipment such as CnC machines. Lab to be equipped accordingly.
- For Sem-4 Rural documentation studio contextual analysis to be carried out ~~after~~ along with documentation.
- For Housing course(sem-4), Ar. Kembhavi suggested the need to include Byelaws along with policies.
- In all sem History of Architecture, Ar. Neeta Kembhavi suggested introduction of timeline concept where understanding of global context could be explored.
- Sem-5- Structural systems and building construction- Dr. Bhooshan suggested upgradation of syllabus to reflect state of the art composite systems.
- AR. Neeta Kembhavi suggested inclusion of new approach required in Building services related to tall buildings.
- Urban planning syllabus – references to be upgraded to reflect cultural and scientific validity
- The BOS deliberated on the course content for Pre thesis. Dr. Nagendra suggested that synopsis and preliminary studies to be completed ahead of design. Dr. Bhooshan suggested the inclusion of dissertation during the pre thesis stage. This can be helpful in reiterating the skills learnt in Communicative English And Architectural research Writing.
- Dr. Nagendra expressed concern over number of subjects offered along with thesis. The committee finally deliberated that a few subjects are necessary to maintain academic discipline and ensure attendance.

The committee finally approved the proposed syllabi for 2018 batch and 2015 batch- Semesters 7,8,9 and 10 with minor suggestions as listed above.

Board of Studies- Architecture

Members Participated in BOS Meeting no 5, held on 4th May, 2018

SL.NO	Name	Designation	Signature
1	Dr. Vimala Swamy	Chairman	
2	Ar. Vidya Srikanth	Member, Coordinator	
3	Dr. Bhooshan B.S	Member	
4	Dr. Aghijit Nathu	Member	ABSENT
5	Dr. Nagendra H.N	Member	
6	Ar. Neeta Kembhavi	Member	
7	Ar. Rajesh Malik	Member	
8	Ar. Shubhi Sonal	Member	
9	Ar. Kokila Mohan	Member	

PROCEEDINGS:



REVA UNIVERSITY

Bengaluru, India


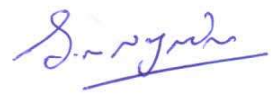


SCHOOL OF MANAGEMENT STUDIES

BOARD OF STUDIES

Proceedings of the Board of Studies (BOS) Meeting at Conference Room, Administrative Block, REVA University , Bengaluru-64 held on 26th June 2018 at 2:00 PM

Members Present:

Sl. No	Name of the Member	Designation	Signature
1.	Dr. M. Dhanamjaya Dean, Faculty of Commerce & Management Studies REVA University registrar@reva.edu.in +91-80-66226622	Chairperson	
2.	Prof. Shubha A Director School of Commerce and Management, REVA University 8095491949 dir.comm@reva.edu.in/ shubha@revainstitution.org	Member	 25/6/18
3.	Prof. Narayana Reddy Group Director, Sanskrithi Group of Institutions, Puttaparthi, Anantapur, Andhra Pradesh. 515134. Cell: 73493 37819, 9440117409. Email: groupdirector@sseptp.org profpnr@yahoo.co.in 9440114709	External Member	
4.	Prof. Ravi Kumar Professor of HR, IIMB, Bengaluru rrk@iimb.ac.in	External Member	
5.	Mr.Raja Shanmugam CPO, Happiest Minds Technologies Pvt.Ltd. rajavshanmugam@hotmail.com 9845346770	External Member	

6.	Mr. Vinay Kumar CEO, Data wise, Hyderabad	External Member	
7.	Mr. Vaijayanth M K Vaijayanth@gmail.com 8095111262	External Member	
8.	Dr. Shinu Abhi Professor, School of Management, REVA University shinuabhi@reva.edu.in 9972916030	Member	
9.			
10.	Prof. Nagendra SM Assistant professor School of Management, REVA University nagendra@reva.edu.in 9742056799	Member	
11.	Dr. B R Santosh Associate professor School of Management, REVA University santosh.br@reva.edu.in 7892236977	Member	
12.	Dr. S K Prasad Professor School of Management, REVA University skprasad@reva.edu.in 9739731827	Member	



Dr. Shubha A

Director

School of Management Studies
Studies



Dr. M. Dhanamjaya

Dean

Faculty of Commerce and Management



REVA
UNIVERSITY
Bengaluru, India

SCHOOL OF MANAGEMENT STUDIES

Agenda of the Meeting of the Board of Studies in Management Studies, 25-06-2018 at 2.00 PM Conference Room, REVA University, Administrative Block, Rukmini Knowledge Park, Bangalore.

Agenda:

1. Introduction of New Syllabus for BBA, BBA(H) and MBA
2. Approval of Course work curriculum for Ph.D and Subject specific Syllabus of Individual Research Scholars of 2018 batch.
3. Open electives for UG and PG.
4. Any other matter with permission of chair.

MEMBERS PRESENT

- | | |
|---------------------------|----------------------|
| 1. Dr.M Dhanamjaya | - Chairperson |
| 2. Prof. Shubha A | - Member |
| 3. Prof. P.Narayana Reddy | - Member |
| 4. Dr. Shinu Abhi | -Member |
| 5. Prof. B.R. Santhosh | -Member |
| 6. Dr.S.K Prasad | -Member |
| 7. Prof.Nagendra SM | - Member |

Proceedings:

At the outset Dr.Shubha A, Director, School of Commerce and Management Studies, REVA University welcomed the members of BOS for the deliberations. She highlighted few aspects to be focused in the BOS.

Dr. Kulkarni S Y, Hon'ble Vice –Chancellor, REVA University, has presided over the curriculum. The curriculum discussed and designed for lifelong learning with an adoption of

technology. It also includes life skills, self-learning and RULO component, Yoga/Sports/Dance/Music/Theatre. The curriculum also includes more skill oriented courses, which will enable the students to get jobs or start a Business.

The detailed discussions were held as for the agenda as follows:

Agenda No. 1 Introduction of New Syllabus for BBA (II), BBA (H) and MBA

a) Introduction of New Syllabus for BBA (II): The discussion began with BBA (II) syllabus. The following issues were discussed **(Annexure-I)**

Resolution: The members of the BOS discussed in detail about introduction of new syllabus for BBA (II) Program from the academic year 2018-19 onwards. The members are deliberated on Structure and Syllabus of BBA (II) with Finance, Human Resources management, Tourism and Marketing Management, noticed that there are no modifications needed, hence the syllabus was approved as it is without modifications.

The members of the BOS had suggested regarding the summer internship/ Minor project that First year should be a Group project (May be four or Five student), for Second and Third year it can be an Individual.

b) Introduction of New Syllabus for B.BA (H): **(Annexure-II)**

Resolution: The members of the BOS discussed in detail about introduction of new syllabus for BBA (H) Program from the academic year 2018-19 onwards. The members are deliberated on Structure and Syllabus of BBA (H) with Finance, International Business, Human Resources management, Entrepreneurship and Marketing Management, noticed that there are no modifications needed, hence the syllabus was approved as it is without modifications.

c) Introduction of New Syllabus for MBA **(Annexure-III)**

Resolution: After through discussion, regarding the restructuring of MBA course structure and syllabus with five specializations i.e Finance, Human Resource Management, Marketing Management, International Business, Banking and Insurance, Operation Management and Mass Communication. The members present were felt that there is need for restructuring MBA course with the five specializations, hence approved the same as it is. The present curriculum also includes one Skill development course for every semester, which will enable the students to get Jobs/Start Business.

Agenda No. 2 Approval of Course work curriculum for Ph.D and Subject specific Syllabus of Individual Research Scholars of 2018 batch (Annexure-IV)

Resolution: After through discussion, the members present were, approved the course work syllabus for Advanced Research Methodology and Subject Specific Courses for fifth batch Ph.D scholars of School of Management Studies.

Agenda No. 3: Open electives for UG and PG.

Resolution: After through discussion, the members present were, approved the open elective subjects. i.e Introduction to Management for Post graduate students and Career Planning and Development and Ethical Values for Business for UG.

Agenda No. 4: Any other matter with the permission of the Chair

Resolution: The calendar of events for the Semesters I , III and V of BBA/ BBA(H) and I, III MBA was approved.

The meeting ended with vote of thanks by Dr.Shubha A, Director, School of Commerce and Management Studies,.



**Chairperson
Dr.M Dhanamjaya
DEAN**

Faculty of Commerce and Management Studies
REVA University, Bangalore



**Proceedings (Minutes) of the BOS Meeting
School of Computer Science & Applications
Faculty of Science and Technology**

**Choice Based Credit System (CBCS) &
Continuous Assessment Grading Pattern (CAGP)**

June 2018

Proceedings of the meeting of the Board of Studies in Computer Science and Applications held on Thursday, 31st May 2018 from 9.30 a.m. to 5.00 p.m. in the Conference Room of Placement office, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru – 560064.



5th Board of Studies – Computer Science and Applications

BOS Meeting - External BoS Members for BCA/MCA Programmes

Date: 31-05-2018

Venue : Placement Conference Room

Time : 9.00 a.m

Sl. No	Details of BOS Member	Role
1.	Dr. Arunkumar Thangavelu Professor and Dean School of Computer Science and Engineering, VIT, Vellore 9994626191 arun.netresearch@gmail.com	Member
2.	Dr. Illango Veluchamy Professor and Head Department of MCA New Horizon College of Engineering Bangalore. 9449532944 banalysist@yahoo.com	Member
3.	Mr.Ambareesha Arunagiri Command centre operations Manager-IBM, Manyata Embassy Park, G1, Bangalore 080-43032139 amby.arunagiri@in.ibm.com	Member
4.	Mr.Raja Krishnamoorthy Director, Cognizant Technologies, Bangalore. 8861204050 rajakc@gmail.com	Member



Chairman - BOS
(Dr. Senthil)

School of Computer Science & Applications
REVA University, Kattigenahalli,
Bangalore - 560 064.



5th Board of Studies

– Computer Science and

Applications

BOS Meeting - Internal BoS Members for BCA/MCA Programmes

Sl. No	Details of BOS Member	Role
1.	Dr. S. Senthil Director, School of Computer Science and Applications, REVA University	Chairperson
2.	Mr. Lokesh C.K Assistant Professor & Deputy Director School of Computer Science and Applications - REVA University	Member
3.	Mrs. Vijayalakshmi. K Associate Professor School of Computer Science and Applications - REVA University	BOS Co-ordinator
4.	Mrs. B.G. Deepa Assistant Professor School of Computer Science and Applications - REVA University	MCA – BOS Co-ordinator
5.	Mrs. Manjusree M Assistant Professor School of Computer Science and Applications - REVA University	MCA – BOS Co-ordinator
6.	Mrs. Shreetha Bhat Assistant Professor School of Computer Science and Applications- REVA University	BCA – BOS Co-ordinator
7.	Mr. Thirunaavukkarasu Assistant Professor School of Computer Science and Applications - REVA University	BCA – BOS Co-ordinator

Chairman – BOS
(Dr. S. Senthil)

School of Computer Science & Applications
REVA University, Kattigenahalli,
Bangalore - 560 064.

5th Board of Studies – Computer Science and Applications
BOS Meeting - External BoS Members for BCA/MCA Programmes
Attendance Report

Date: 31-05-2018

Venue : Placement Conference Room

Time : 9.00 a.m

Sl. No	Name	Role	Designation, Affiliation, Address & Contact Number	Signature
1.	Dr. Arunkumar Thangavelu	Member (Academics)	Professor and Dean School of Computer Science and Engineering, VIT, Vellore 9994626191 arun.netresearch@gmail.com	
2.	Dr. Illango Veluchamy	Member (Academics)	Professor and Head Department of MCA New Horizon College of Engineering Bangalore. 9449532944 hanalysist@yahoo.com	- ABSENT -
3.	Mr. Ambareesha Arunagiri	Member (Industry)	Command centre operations. Manager-IBM, Manyata Embassy Park, G1, Bangalore 080-43032139 amby.arunagiri@in.ibm.com	 31/05/18
4.	Mr. Raja Krishnamoorthy	Member (Industry)	Director, Cognizant Technologies, Bangalore. 8861204050 rajake@gmail.com	

BOS Meeting - Internal BoS Members for BCA/MCA Programmes

Sl. No	Name	Role	Affiliation	Signature
1.	Dr. S. Senthil	Chairperson	Director, School of Computer Science and Applications, REVA University	 31/5/18
2.	Mr. Lokesh C.K	Member	Assistant Professor & Deputy Director School of Computer Science and Applications - REVA University	
3.	Mrs. Vijayalakshmi. K	BOS Co-ordinator	Associate Professor School of Computer Science and Applications - REVA University	
4.	Mrs. B.G. Deepa	MCA – BOS Co-ordinator	Assistant Professor School of Computer Science and Applications - REVA University	
5.	Mrs. Manjusree M	MCA – BOS Co-ordinator	Assistant Professor School of Computer Science and Applications - REVA University	
6.	Mrs. Shretha Bhat	BCA – BOS Co-ordinator	Assistant Professor School of Computer Science and Applications - REVA University	 31/05/2018
7.	Mr. Thirunavukkarasu	BCA – BOS Co-ordinator	Assistant Professor School of Computer Science and Applications - REVA University	

Proceedings

At the outset, Dr. S.Senthil, the Chairperson, of BOS in Computer Science and Applications introduced all the BOS external members to the respected Vice Chancellor Dr. Kulkarni sir and welcomed all the members to the BOS meeting for the academic year 2018-19. He explained the agenda and the purpose of the meeting. Followed by VC sir addressed the importance of the new pattern of the BOS especially about REVA Unique Learning Objectives (RULO). Then the meeting for the approval of scheme and syllabus for **PG & UG programs** was started with the following were considered for discussion:

- 1. Scheme of instructions and syllabus for BCA programme.(Afternoon)**
- 2. Any other matter with the permission of the chair.**

1. Scheme of instructions and syllabus for BCA programme.

The BOS Coordinator briefed about the BCA Programme which is a 3 years programme. The scheme and syllabus of this programme of REVA University needed to be completely designed based on RULO and it is based on current market IT trends. Hence the scheme and syllabus was prepared by the Internal BOS members and presented for review with VC sir. Further the changes recommended by him also incorporated and presented for external BOS members recommendations. As per the REVA University Regulations for CBCS-CAGP for UG / PG programs/ Diploma programs, the BOS members has designed the curriculum. The External members suggested their views and recommendations during the meeting.



5thBoard of Studies – Computer Science and Applications BCA Programme – Recommendations by BOS members

Sem	Subjects	Suggestions given by BOS members	Incorporated in scheme and Syllabus (Y/N)	Remarks by coordinator (if any)
1	Basic Mathematics	Good, No changes required	-	
	Digital Logic and Computer Architecture		-	
	Problem solving using C		-	
2	Probability and Statistics	Good, No changes required	-	
	Data Structures using C		-	

	Object Oriented Programming using C++		-	
3	Design & Analysis of Algorithms	Good, No changes required	-	
	Computer Networks		-	
	Java Programming		-	
	Relational Database Management System		-	
	System Software		-	
	E-Commerce		-	
	Principles of Accountancy		-	
	Enterprise Resource Planning		-	
4	Data Mining & Data Warehousing	Number of Algorithms can be reduced	Yes	
	Software Engineering	Case study can be included	Yes	
	Operating Systems with Linux	Good, No changes required	-	
	Python Programming		-	
	Mobile Computing		-	
	Computer Graphics		-	
	Artificial Intelligence		-	
	OOAD using UML	This course can be considered for hard core.	Yes	
	Advanced Computer Networks	Open source tools may be included for this course like PHP/MySQL	No (As these included in Advanced Web Technology course)	
Software Project Management	Good, No changes required	-		
5	Fundamentals of Cloud Computing	1. This course may be moved to soft core.	Yes	

		2. Change the title to “Cloud Computing: instead of “ Fundamentals of Cloud Computing”		
	.NET Programming using C#	Good, No changes required	-	
	Web Technology		-	
	Mobile App Development		-	
	Computer Animation		-	
	Machine Learning		-	
	Software Testing & Quality Assurance		-	
	Network Administration		-	
	Cyber Security		Unit titles have to be changed.	Yes
6	Data Analytics using R	Good, No changes required	-	
	Advanced Web Technologies		-	
	Internet Of Things		-	
	Digital Marketing		-	

General suggestion given by the committee members for all programmes

1. OOAD using UML, Network Administration, Python Programming, Software Testing and Quality Assurance are required courses. We are happy that you have it in your syllabus. Good job.
2. Include L T P C format instead of L T P.
3. For Course Objectives write it as CO1, CO2, etc as per the norms.

Resolution

The Board approved the Scheme and syllabus of this BCA programme. Few minor changes were suggested by the BOS members as listed above and all these changes are almost incorporated in the scheme and syllabus. This approved scheme and syllabus is for the candidates those who are admitting for this BCA programme during 2018-2019.

Note:

The scheme is given in **Annexure-1-BCA - June 2018** and the detailed Syllabus is given in **Annexure-2-BCA - June 2018**

1. Approval of Scheme of instructions and Syllabus for B. Sc (Honors) in Computer Science with Specialization in Cloud Computing and Big Data Programme (New) 1-8 Semesters, for the students Joining in the Academic year 2018-19 onwards.

- **Scheme of instructions and Syllabus for Bachelor of Science B. Sc (Honors) in Computer Science with Specialization in Cloud Computing and Big Data programme.**

The BOS Coordinator briefed about the **B. Sc (Honors)** in Computer Science with Specialization in Cloud Computing and Big Data BS Programme which is a 4 years programme tie up with an IT Industry. The scheme and syllabus of BS in Cloud Computing programme is designed keeping in view the current situation and possible future developments based on RULO, both at national and global levels. The scheme and syllabus was prepared by the Internal BOS members by taking the subject experts views and opinions and presented the content for approval with Vice chancellor sir. Further the changes recommended by him also incorporated and presented for external BOS members recommendations. As per the REVA University Regulations for CBCS-CAGP for UG / PG programs/ Diploma programs, the BOS members have designed the curriculum. The External members suggested their views and recommendations during the meeting.

5th Board of Studies – Computer Science and Applications

B. Sc (Honors) in Computer Science With Specialization In Cloud Computing And Big Data Programme – (New Scheme) Recommendations by BOS members

Sem	Subjects	Suggestions given by BOS members	Incorporated in scheme and Syllabus (Y/N)	Remarks by coordinator (if any)
1	Operating System	Swapped with Digital Electronics in 2nd sem	Yes	Other Subjects, No Changes
2	Digital Electronics	Swapped with OS in 1st sem	Yes	Other Subjects, No Changes
3	Design and Analysis of Algorithms	Moved to IV Semester in Place of Data mining & Data warehousing	Yes	
	E-Commerce	Replace with Introduction to Data Science of V Semester	Yes	
	Data mining & Data warehousing	Moved to III Semester in place of ADA	Yes	
	Advanced Computer Networks	Add SDN, VPN,NFV, GRE	Yes	

5	Introduction to Data Science	Replace with Introduction to Data Science using Tableau of VI Semester		
	Big Data Analytics using Hadoop	Big Data and Analytics Foundation. Maybe reviewed to increase concepts	Yes	
	Cloud Database Lab	Delete HBASE. Added Postgres. Elaborate experiments.	Yes	
	Web programming	Unit 4 To Add Angular JS, web socket, html 5, Json concepts.	Yes	
	Information Security and Cryptography	To Add cloud Security	Yes	
6	Data Science using Tableau	Replace with Data Analytics using R of VII Semester	Yes	
	Big Data and Hadoop on AWS and Azure	Rewrite Unit 4	Yes	
	Automation Tools for Cloud Deployment	Unit 1 Review concepts	Yes	
7	Data Analytics using R	Introduced Machine Learning in the place of Data Analytics using R	Yes	
	Big Data Technologies on Google Cloud	Rewrite the Whole Syllabus	Yes	
	Devops	In Unit 3: Add Dockerkubernets.	Yes	
8	Cloud Storage Using Open Stack Swift	Unit 1 & 2 Swift and Unit 3 & 4 Ceph storage..	Yes	

Resolution

The Board approved the Scheme and syllabus of this BS programme. Few minor changes were suggested by the BOS members as listed above and all these changes are almost incorporated in the scheme and syllabus. This approved scheme and syllabus is for the candidates those who are admitted for this B. SC (HONORS) IN COMPUTER SCIENCE WITH SPECIALIZATION IN CLOUD COMPUTING AND BIG DATA programme during 2018-2019 onwards.

Note:

The scheme is given in **Annexure-1-B.Sc(Honors) - June 2018** and the detailed Syllabus is

given in **Annexure-2- B.Sc(Honors)- June 2018**

3. Scheme of instructions and syllabus for B.SC(HONORS) in Computer Science with Specialization in Cloud Computing and Big Data Programme(current) 5-8 Semesters, for the students Joined in the Academic years 2016-17 and 2017-18.

- **Scheme of instructions and syllabus for B.SC(HONORS) in Computer Science with Specialization in Cloud Computing and Big Data Programme .**
The BOS Coordinator briefed about the B.SC(HONORS) WITH SPECIALIZATION IN CLOUD COMPUTING AND BIG DATA Programme which is a 4 years programme tie up with an IT Industry. The scheme and syllabus of B.SC(HONORS) WITH SPECIALIZATION IN CLOUD COMPUTING AND BIG DATA in Cloud Computing programme is designed keeping in view the current situation and possible future development both at national and global levels. The scheme and syllabus for 5-8 semesters was prepared by the Internal BOS members by taking the subject experts views and opinions and presented the content for approval with Vice chancellor sir. Further the changes recommended by him also incorporated and presented for external BOS members recommendations. As per the REVA University Regulations for CBCS-CAGP for UG / PG programs/ Diploma programs, BOS members have designed the curriculum. The External members suggested their views and recommendations during the meeting.

4. Scheme of instructions and syllabus for MCA programme.(Forenoon)

The BOS Coordinator briefed about the MCA Programme with regular and lateral entry. The scheme and syllabus of this programme of REVA University needed to be completely designed based on RULO and it is based on current market IT trends. Hence the scheme and syllabus was prepared by the Internal BOS members and presented for review with VC sir. Further the changes recommended by him also incorporated and presented for external BOS members recommendations. As per the REVA University Regulations for CBCS-CAGP for UG / PG programs/ Diploma programs, the BOS members has designed the curriculum. The External members suggested their views and recommendations during the meeting.

5. Any other matter with the permission of the chair.


Dr.S.SENTHIL
Director
School of Computer Science & Applications
REVA University, Kattigenahalli,
Bangalore - 560 064.



REVA
UNIVERSITY

Bengaluru, India



SCHOOL OF COMMERCE

Proceedings of the Meeting of the Board of Studies in Commerce, 25-06-2018 at 11.00 AM at Conference Room, REVA University, Administrative Block, Rukmini Knowledge Park, Bangalore.

Agenda:

1. Introduction of New Syllabus for B.Com (II), B.Com (H) and M.Com.
2. Approval of Course work curriculum for Ph.D and Subject specific Syllabus of Individual Research Scholars of 2018 batch.
3. Open electives for UG and PG.
4. Any other matter with permission of chair.

MEMBERS PRESENT

- | | |
|---------------------------|---------------|
| 1. Dr.M Dhanamjaya | - Chairperson |
| 2. Prof. Shubha A | - Member |
| 3. Prof. P.Narayana Reddy | - Member |
| 4. Prof. AV Ramana | -Member |
| 5. Prof. B.Ramesh | -Member |
| 6. Prof. Vatsala | -Member |
| 7. Phalguna Iyenger | - Member |
| 8. Dr.M Subramanyam | - Member |
| 9. Prof. Kantha Raju G | -Member |
| 10. Dr.M Lokanadha Reddy | -Member |



Proceedings:

At the outset Dr. Shubha A, Director, School of Commerce and Management Studies, REVA University welcomed the members of BOS for the deliberations. She highlighted few aspects to be focused in the BOS.

Dr. Kulkarni S Y, Hon'ble Vice-Chancellor, REVA University, has presided over the curriculum. The curriculum discussed and designed for lifelong learning with an adoption of technology. It also includes life skills, self-learning and RULO component, Yoga/Sports/Dance/Music/Theatre. The curriculum also includes more skill oriented courses, which will enable the students to get jobs or start a Business.

The detailed discussions were held as for the agenda as follows:

Agenda No. 1 Introduction of New Syllabus for B.Com (II), B.Com (H) and M.Com

a) Introduction of New Syllabus for B.Com (II): The discussion began with B.Com syllabus. The following issues were discussed **(Annexure-I)**

Resolution: The members of the BOS discussed in detail about introduction of new syllabus for B.Com (II) Program from the academic year 2018-19 onwards. The members are deliberated on Structure and Syllabus of B.Com (II) with Accounting and Taxation, Finance, Banking and Insurance, Human Resources management and Marketing Management, noticed that there are no modifications needed, hence the syllabus was approved as it is without modifications.

The members of the BOS had suggested regarding the summer internship/ Minor project that First year should be a Group project (May be four or Five student), for Second and Third year it can be an Individual.

b) Introduction of New Syllabus for B.Com (H): **(Annexure-II)**

Resolution: The members of the BOS discussed in detail about introduction of new syllabus for B.Com (H) Program from the academic year 2018-19 onwards. The members are deliberated on Structure and Syllabus of B.Com (H) with Accounting, Finance, International Business, Human Resources management and Marketing Management, noticed that there are modifications needed, hence the syllabus was approved as it is with modifications.

c) Introduction of New Syllabus for M.Com

(Annexure-III)

Resolution: After through discussion, regarding the restructuring of M.Com course structure and syllabus with five specializations i.e Accounting, Finance, Human Resource Management, Marketing Management and International Business. The members present were felt that there is need for restructuring M.Com course with the five specializations, hence approved the same as it is. The present curriculum also includes one Skill development course for every semester, which will enable the students to get Jobs/Start Business.

Agenda No. 2 Approval of Course work curriculum for Ph.D and Subject specific Syllabus of Individual Research Scholars of 2018 batch

(Annexure-IV)

Resolution: After through discussion, the members present were, approved the course work syllabus for Advanced Research Methodology and Subject Specific Courses for fifth batch Ph.D scholars of School of Commerce.

Agenda No. 3: Open electives for UG and PG.

Resolution: After through discussion, the members present were, approved the open elective subjects. i.e Financial management for Post graduate students and E-commerce and Personality development and Leadership for UG.

Agenda No. 4: Any other matter with the permission of the Chair

Resolution: The calendar of events for the Semesters I, III and V of B.Com/ B.Com(H) and I, III M.Com was approved.

The meeting ended with vote of thanks by Dr.Shubha A, Director, School of Commerce and Management Studies,.



Director
School of Commerce
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 084



Chairperson
Dr.M Dhanamjaya
DEAN

Faculty of Commerce and Management Studies
REVA University, Bangalore



SCHOOL OF COMMERCE

BOARD OF STUDIES

Proceedings of the Board of Studies (BOS) Meeting at Conference Room,
Administrative Block, REVA University , Bengaluru-64 held on 25th June 2018
at 10:00 AM

Members Present:

Sl. No	Name of the Member	Designation	Signature
1.	Dr. M. Dhanamjaya Dean, Faculty of Commerce & Management Studies REVA University registrar@reva.edu.in +91-80-66226622	Chairperson	
2.	Prof. Shubha A Director School of Commerce, REVA University dir.com@reva.edu.in/ shubha@revainstitution.org 8095491949	Member	 25/6/18
3.	Prof. Narayana Reddy Group Director, Sanskrithi Group of Institutions, Puttaparthi, Anantapur, Andhra Pradesh. 515134. Cell: 73493 37819, 9440117409. Email: groupdirector@sseptp.org profpr@yaho.co.in 9440114709	External Member	
4.	Prof. S Ramesh Dean, Mount Carmel College, Bengaluru deanpgcom@mccb1r.co.in 9844022611	External Member	
5.	Prof. AV Ramana S K University, Anantapur skuramana@yahoo.com 9511840473	External Member	
6.	Prof. B.Ramesh Goa University brames@rediffmail.com 9511840473	External Member	
7.	Prof. Vatsala Director of Commerce, Sheshadripuram First Grade College, Bengaluru	External Member	 Vatsala-4.

	drvatsala35@gmail.com 9880941320		
8.	Shri. Nagendra HDFC	External Member	AB
9.	Phalguan Iyengar Director SPHADRA adoptadeptachieve@gmail.com 9738128890	External Member	<i>Phalguan</i>
10.	CA. Ravindra CS Chartered Accountant and Company Secretary ravindra@rsca.co.in 9900859639	External Member	AB
11.	Ms.Uzma Khadeer Manager- Fresher Hiring, Capgemini technology services India Ltd. Bengaluru-37 Uzma.khadeer@capgemini.com 8884174333	External Member	AB
12.	Mr.Guru Prasad HR – KPMG 9886124645	External Member	AB
13.	Dr.M Subramanyam Associate Professor School of Commerce, REVA University drmutyala@reva.edu.in 9632390819	Members	<i>Mutyala</i> on <u>25/6/18</u>
14.	Prof. Kantha Raju G Assistant professor School of Commerce, REVA University gkantharaju@reva.edu.in 8105836968	Member	<i>Kantha Raju</i> on <u>25/6/18</u>
15.	Dr.M Lokanadha Reddy Associate professor School of Commerce, REVA University lokanadhareddy@reva.edu.in 9148475500	Member	<i>Lokanadha</i> on <u>25/6/18</u>

Shubha

Dr. Shubha A

Director

School of Commerce

Director
School of Commerce
REVA University

Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

Dhanamjaya

Dr. M. Dhanamjaya

Dean

Faculty of Commerce and Management Studies



SCHOOL OF LEGAL STUDIES

Agenda of the eighth meeting of the Board of Studies in Legal Studies held on 19th May 2018
at 10:00 A.M., Conference Room, 1st floor, Administrative Block, REVA University.

Board Members Present:

- | | |
|------------------------------------|----------|
| 1. Prof. Dr. M.L. Kalicharan | Chairman |
| 2. Prof. Dr. V.B. Coutinho | Member |
| 3. Prof. Dr. Shubha A. | Member |
| 4. Prof. Dr. Beena G. | Member |
| 5. Prof. Dr. Payel Datta Choudhary | Member |
| 6. Dr. Sandeep M.N. | Member |

Members not present:

- | | |
|-----------------------------------|--------|
| 1. Prof. Dr. Sairam Bhat | Member |
| 2. Prof. Dr. Sarasu Esther Thomas | Member |
| 3. Dr. Anil R. Nair | Member |

1. Agenda –BOS LS 8.1: Consideration of modifications / changes in the syllabus
2. Agenda- BOS LS8.2: Revision of BALLB (Hons) and BBALLB (Hons) syllabus for the academic year 2018-19
3. Agenda- BOS LS 8.3: Revision of LLM syllabus
4. Agenda- BOS LS8.5: Any other matter connected to syllabi and law programmes.

Chairman

Board of Studies (School of Legal Studies)



SCHOOL OF LEGAL STUDIES

Proceedings of the eighth meeting of the Board of Studies in Legal Studies held on 19th May 2018 at 10:00 a.m., Conference Room, 1st floor, Administrative Block, REVA University.

Board Members Present:

- | | |
|------------------------------------|----------|
| 1. Prof. Dr. M.L. Kalicharan | Chairman |
| 2. Prof. Dr. V.B. Coutinho | Member |
| 3. Prof. Dr. Shubha A. | Member |
| 4. Prof. Dr. Beena G. | Member |
| 5. Prof. Dr. Payel Datta Choudhary | Member |
| 6. Dr. Sandeep M.N. | Member |

Members not present:

- | | |
|-----------------------------------|--------|
| 1. Prof. Dr. Sairam Bhat | Member |
| 2. Prof. Dr. Sarasu Esther Thomas | Member |
| 3. Dr. Anil R. Nair | Member |

Prof. M.L. Kalicharan, Chairman of the Board of Studies in Legal Studies welcomed Prof. V.B. Coutinho and other esteemed members present for the meeting and thanked them for sparing their valuable time.

Based on feedback on curriculum collected by students and faculties the Agenda were taken up for discussion:

Agenda –BOS LS 8.1: Consideration of modifications / changes in the syllabus of 2016-17
BALL.B

The Chairman explained the need of incorporating Political Science IV (Comparative Government and Politics) and Sociology III (Gender and Law) in place of German I/French I and German II/French II. The syllabi of the same along with recommended text books and suggested readings were discussed. The Chairman opined that the law programs in REVA University commenced in 2015-16 and have completed almost three academic years and during these academic years' certain recognizable limitations were found that is sought to be clarified and rectified in the next agenda. All the members went through the syllabi and scheme of instruction and unanimously resolved as under:

Resolution –BOS LS8.1:

The Board unanimously ratified the changes already made in the existing syllabus and recommended to the University to adopt **Political Science IV (Comparative Government and Politics)** and **Sociology III (Gender and Law)** in place of German I/French I and German II/French II.

The Board recommended to check the possibility of shifting the Political Science paper course 'Comparative Government and Politics' currently offered in the second year to the third or fourth year as there is no rule mandating non law courses to be completed in the first two years of 5-year law programme.

The board appreciated the addition of mandatory courses as RULO (REVA Unique Learning Outcome) with 12 credits for both the courses RULO to include MOOC, SWAYAM, EDX, CM Certificate, soft skill courses as per the University norms. The board unanimously affirmed the renaming of few courses as per the standards of BCI. Details are as follows

SL No.	Original Name	Changed Name
1.	Political Science	Political Theory
2	Legal Writing and Legal Methods	Legal Methods and Legal Systems
3	Organizational Behaviour	OB and Behavioral Psychology
4	General English	Law and Language-I

5	Legal Language and Communication	Law and Language-II
6	Criminology	Criminology & Penology
7	Labour and Industrial Law – I	Labour Law -I
8	Labour and Industrial Law – II	Labour Law-II
9	Company Law	Corporate Law
10	Environmental Studies and Environmental Law	Environmental Law
11	Law of Crimes-II Criminal Procedure Code	Criminal Procedure Code, Probation of Offenders Act & Juvenile Justice Act
12	Organizational Behaviour	OB and Behavioral Psychology

Agenda- BOS LS8.2: Revision of BALLB (Hons) and BBALLB (Hons) syllabus for the academic year 2018-19

The Chairman provided the draft of the revised syllabus of both BALLB (Hons) and BBALLB (Hons) and explained the necessity of major changes sought to be brought in the syllabi. The Board members reviewed the draft and felt that the syllabus of both BALLB (Hons) and BBALLB (Hons) need improvement and unanimously resolved as under:

Resolution – BOS LS8.2:

The Board approved the revised detailed syllabus for BALLB (Hons) and BBALLB (Hons) (**Annexure – I and II respectively**) and changes introduced in the curriculum by new course or change in the nomenclature, further recommended to the University to adopt the same with the changes suggested. The changes suggested by the Board are as follows:

- 1) The course titled ‘Research Methodology’ shall be offered in the third semester instead of ninth semester.

- 2) The credits for courses in English in the first two semesters shall be L-2 T-1 P-1 = C-4. The Board members appreciated the importance of English in appellate courts and recommended more focus to be provided to students in speaking skills.
- 3) The Board also observed that the questions in the Q.P. for all non-law and law courses shall reflect all the units and all the modules mentioned in the syllabi.
- 4) There has to be modifications made to the list of books of the course titled 'Legal Methods and Legal Systems' such as incorporation of the book of C.K. Allen titled 'Law in the Making' and to remove the outdated work of 'Indian Legal System, Joseph Minattur, Indian Law Institute'. The repetition made in the list of books should also be removed.
- 5) 'MV Accidents Protection' should be shifted from 'Law of Torts' (First Semester) to 'Banking and Insurance Law' (Seventh Semester). The divisions of marks in 'Law of Torts' shall be 75% for Torts and 25% for Consumer Protection.
- 6) Unit I in the course 'Law and Social Changes in India' offered in the II semester shall include issues related to SC, ST and OBC before dealing with issues of women and children. The Board decided that this course will deal more with the sociological issues rather than the constitutional dimensions. The Board also recommended to bring this course to the third semester.
- 7) The module on 'sources of law' shall be deleted from the course 'Jurisprudence'. Moreover last module in Unit III should be changed to "Revival of Natural Law – Human Rights – Human Development and Issues of Justice". In place of "Revival of Natural Law – Rawls theory of Justice – Theory of Amartya Sen".
- 8) Cinematic dramas can be a good tool for moot court training in the initial semesters.
- 9) The course 'Exploration in Social Inequalities' shall be offered in the II semester in place of Law and Social Changes in India' and the Law and Social Changes in India will be offered in III Semester.

10) The word 'Gateway' in Unit II of the course 'Constitutional Law I' shall be removed. The book on Constitution of India by DD Basu shall be added to the list of books.

11) The Board recommended to remove Articles and Sections (eg: Article 21, Section 120 etc) from the syllabi and to replace it with concepts in courses like Constitutional Law, CPC, Family Law, Law of Evidence etc.

12) Latest issue on Chitty on contracts shall be added to the list of books and due arrangements should be made to ensure that the same is procured and kept in the law library.

13) Unit II of the course titled 'International Law' shall contain 'Effect of globalisation on sovereignty'. Unit III of the course shall only be titled 'Law of the Sea' and the remaining concepts unrelated to Law of the Sea can be taken to Unit II. Unit IV of the course shall contain Refugees, Immigration, ICC, International Crimes such as war crimes, crimes against humanity and genocide.

14) Landmark case laws (subject to a maximum of 10) shall be incorporated in the all the course syllabus.

15) Managerial Economics in BBALL.B (Hons) and BA. LL. B (Hons) requires thorough revision and its contents overlap with Principles of Economics and board decided to introduce new course titled '**Money, Banking and Public Finance and Trade in service**'. The Board observed the importance of the course 'Trade in service' in the curriculum and recommended the same.

16) A course on Basic Accounting should be given to BBALL.B (Hons) students in the first semester. Further, the board recommended for the introduction of new courses titled '**Talent Management**' and '**Brand Management**' to the curriculum.

- 17) The title of Unit II of the course titled 'Administrative Law' shall be changed to 'Aspects of Administrative Discretion'. Unit III shall be titled 'Judicial Control of Administrative Action' and Unit IV shall be changed to 'Judicial Review and Ombudsman'.
- 18) Unit II of the Law of Evidence shall be titled as 'Relevancy and Admissibility of Evidence'. Specific mentioning of 'Documentary evidence – primary, secondary and tertiary' is required in the syllabus.
- 19) List of books to be added to 'Corporate Law'.
- 20) 'Methods of resolving Industrial Disputes, Compulsory Jurisdiction, Arbitration, Conciliation, Collective Bargaining' shall be incorporated in Unit I of 'Labour and Industrial Law I'. Concept of 'Relief' should be added in Unit II.
- 21) Latest edition of Kelkar's CrPC (2018) shall be added to the list of books of CrPC and necessary arrangements should be made to ensure that the same is procured and kept in the law library.
- 22) Workmen's Compensation Act in Unit II of 'Labour and Industrial Law II' shall be changed to Employees' Compensation Act.
- 23) Unit III of the course titled 'Environmental Law' should be changed to International Regulation and Environmental Protection' and Unit IV of the same shall be changed to 'Protection of Environment in India'.
- 24) The title of Unit I of 'International Human Rights' shall be changed to 'Law of Human Rights'.

- 25) The syllabus of 'Maritime Law' shall consist of two units of Shipping Law and two units of Marine Insurance and shall be redrafted accordingly.
- 26) 'Civil Liability to Nuclear Damage Act, 2010' shall be included in the syllabus of 'Infrastructure Laws'.
- 27) The Board recommended considering 'Research Paper' for 100 marks on any original topic instead of 'Dissertation'. The Board also recommended that the maximum pages for 'Research Paper' can be 30.
- 28) The Board recommended to reduce the list of books to a maximum number of 5 after verifying the availability of books in the law library.
- 29) The Board resolved to restructure the Units in the Course Civil Procedure Code & Limitation Act shall be restructured. (**Annexure – III**)

Agenda- BOS LS 8.3: Revision of LLM syllabus (Business and Corporate Law)

The Chairman explained to all the members of the board about necessity of major changes sought to be brought in the one year LL.M (Business and Corporate Law) syllabus. The Board members reviewed the draft syllabus of one year LL.M in (Business and Corporate Law) and unanimously resolved as under:

Resolution BOS LS 8.3:

The Board approved the revised detailed syllabus for one year LLM program (**Annexure – IV**) and recommended that 'Journal articles' shall also be given as part of recommended readings for every course. The Board also recommended that 'Fraud in Banks' shall be incorporated in 'Banking and Insurance Law' and that Unit III of the same requires re-drafting. The Board recommended to the university to adopt the syllabus of one year LLM course after incorporating the recommendations.

Agenda- BOS LS8.4:

Any other matter with the permission of the chair.

The Board recommended to conduct workshops on Infrastructure Laws and Competition Law (possibly in a day where first half discussions can be related to Infrastructure laws and second half session can be related to Competition laws) so that the syllabi of both can be framed aptly.

The Board also recommended to increase the LLM intake to 40 from 10.

The Chairman thanked the members of the Board for their valuable input. The meeting was then concluded.

**Chairman Board of Studies (School of Legal
Studies)**



School of Arts & Humanities
Meeting of Board of Studies – Arts & Humanities
(Media Studies and Psychology)
BA JEP 2018

Proceedings

The Board of Studies in Media Studies and Psychology, REVA University, Bengaluru, met on Friday, 1st June, 2018 at 11:00 in the Conference Hall, 1st Floor, Administrative Block, REVA University, Bengaluru to discuss and ratify the contents of the curriculum drawn up for the UG and PG courses at REVA University.

The Meeting of the Board of Studies in Media Studies and Psychology commenced with a formal welcome and introduction of all the members by Mr. Manjunath M, Member, BOS. He then placed the agenda before the members and initiated the deliberations.

Agenda – BOS 2:1 Consideration of the modifications in the Scheme of Instructions (Curriculum Design) of BA – JEP (Journalism and Psychology Courses)

Mr. Manjunath M briefed the members regarding the changes in the Schemes of Instructions of B.A. – JEP in terms of Journalism and Psychology Courses and M.A. Journalism and Communication curriculum to be implemented from the academic year 2018-19. This was followed by a detailed discussion on the modifications.

Decisions Taken: The Board unanimously decided that the Schemes of Instructions of B.A. – JEP in terms of Journalism and Psychology Courses and M.A. Journalism and Communication presented during the meeting are very contemporary and prepared with the overall development of the learners in mind. The increase in the Soft Core component would give the learners more options to choose courses of their interests. The introduction of courses under RULO was well appreciated.

Schemes of Instructions attached (Attachment # 1, 2)

Agenda – BOS 2:2 Consideration of the modifications in the syllabus of I-IV M.A. Journalism and Communication for the batch starting 2018-19

Mr. Manjunath M briefed the members regarding the changes proposed as per the feedback received from students and teachers on the M.A. Journalism and Communication syllabus. This was followed by a detailed discussion on the modifications

Agenda – BOS 2:3 Consideration of the modifications in the Journalism Course syllabus of I-IV Semester BAJEP for the batches starting 2018-19

Mr. Manjunath M briefed the members regarding the modifications suggested in the Journalism Courses syllabus of B.A. – JEP program.

Decisions Taken: The panel discussed the modifications in the syllabus, credits, distribution of hard core, soft core, and open elective courses of Journalism Courses Syllabus of B.A. – JEP program. The following modifications suggested were discussed and approved by the Board –

[B.A. – JEP]:

In Semester VI, soft core Technology for Communication has been replaced by Development Communication. Technology for Communication was found to be too advanced for undergraduate program and hence it was decided to introduce Development Communication to generate awareness on media activism for environmental and developmental purposes. The syllabus was approved.

The syllabus for all I-V semesters courses remains unchanged.

Syllabus of Journalism Courses syllabus of B.A. JEP attached. (Attachment # 4)

Agenda – BOS 2:4 Consideration of the modifications in the Psychology syllabus of I-IV B.A.JEP for the batch starting 2018-19

Dr. Hemantha Kumara V briefed the members regarding the changes proposed as per the feedback received from students and teachers on the BA Psychology syllabus. This was followed by a detailed discussion on the modifications

Decisions Taken: The following modifications suggested were discussed and approved by the Board –

1st Semester BA Psychology –

Changes in Foundations of Psychology–I, The contents of the syllabus have been modified and condensed.

2nd Semester BA-Psychology

Changes in Foundations of Psychology–II, The contents of the syllabus have been modified and condensed.

3rd Semester BA-Psychology

We have introduced New Course-Social Psychology instead of Developmental Psychology-I.

4th Semester BA-Psychology

Developmental Psychology-II is merged with Developmental Psychology-I and modified as Developmental Psychology. The contents of the syllabus have been modified and condensed

5th Semester BA-Psychology

Changes in Paper-V (Soft Core-Abnormal Psychology-I or Health Psychology-I). The contents of the syllabus have been modified and condensed.

Paper-VI-Industrial Psychology-I No changes.

6th Semester BA-Psychology

Changes in Paper-VII (Soft Core-Abnormal Psychology-II or Health Psychology-II). The contents of the syllabus have been modified and condensed.

Paper-VIII-Industrial Psychology-II No changes.

Syllabus of Psychology Courses syllabus of B.A. JEP attached. (Attachment # 5)

Agenda – BOS 2:5 Approval of Psychology Courses syllabus of I-VI Semester BAPaEP for the batches starting 2018-19

For B.A. PaEPThe same syllabus has been approved by the BOS with minor modifications

1st Semester BA (PaEP) Psychology

Changes in Foundations of Psychology–I, The contents of the syllabus have been approved

2nd Semester BA (PaEP) Psychology

Changes in Foundations of Psychology–II, The contents of the syllabus have been approved

3rd Semester BA(PaEP) Psychology

We have introduced New Course- The contents of the syllabus have been approved

4th Semester BA(PaEP) Psychology

Developmental Psychology The contents of the syllabus have been approved

5th Semester BA(PaEP) Psychology

Changes in Paper-V (Soft Core-Abnormal Psychology-I or Health Psychology-I). The contents of the syllabus have been approved.

Paper-VI-Industrial Psychology-I The contents of the syllabus have been approved.

6th Semester BA(PaEP) Psychology

Changes in Paper-VII The contents of the syllabus have been approved.

Syllabus of Psychology Courses syllabus of B.A.PaEP attached (Attachment # 6)

Agenda – BOS 2:6 Approval of Psychology Certificate Courses for program BAJEP for the batches starting 2018-19

The syllabus for certificate courses has been approved by BoS (Guidance and Counseling, Learning Disability and Special Education)

Syllabus of Psychology Certificate Courses for B.A.JEP attached (Attachment # 7)

Agenda – BOS 2:7 Approval of Psychology Open Elective Course (UG) offered to other schools for the batches starting 2018-19

The syllabus for Open Elective course has been approved by BoS (Guidance and Counseling Skills)

Syllabus of Psychology Open Elective Course (UG) attached (Attachment # 8)

Agenda – BOS 2:8 Approval of Kannada Language Courses for program BAJEP for the batches starting 2018-19

The syllabus for I-IV Kannada Language Courses for program BAJEP has been approved by BoS.

Syllabus of Kannada Language Courses for program BAJEP attached (Attachment # 9)

Agenda – BOS 2:9 Approval of Hindi Language Courses for program BAJEP for the batches starting 2018-19

1st Semester BAJEP, the following modification has been made in the syllabus of **Hindi I-**

सूचना : पाठ३. प्रणाम और ६. निराला : एक आकर्षित व्यक्तित्व के स्थान पर ३.
शरत के साथ बिताया हुआ कुछ समय और ६. जेल जीवन की झलक पाठ को चयन करके,
पाठ्यक्रम में संशोधन किया गया है।

The syllabus for II-IV Hindi Language Courses for program BAJEP has been approved by BoS.

Syllabus of Hindi Language Courses for program BAJEP attached (Attachment # 10)

Agenda – BOS 2.10 Any other matter connected to the syllabus, question paper pattern and scheme of valuation.

In terms of Certificate Courses in Media Studies, the board gave suggestions on certificate courses like Human Communication, Life Skills, and Gender Sensitivity that would help the students develop holistic psychological and communication skills to negotiate their interpersonal relationships in an increasingly impersonal gadget mediated world.

Note: The Chair Person is empowered to change 20% of syllabus.

The meeting was concluded by Dr. Payel Dutta Chowdhury Chairperson and Mr. Manjunath thanking the members for their valuable inputs and observed that the department was looking forward to their continued association and interaction in future.



**Director
School of Arts & Humanities**



REVA UNIVERSITY

School of Arts & Humanities

5th Board of Studies – Arts & Humanities (English)

Date: Thursday, 24th May 2018

Time: 11:00

Venue: Conference Hall, Administrative Block, REVA University, Rukmini Knowledge Park

Constitution of BOS Members:

Sl No	Name	Designation	Institutional Affiliation	Email ID
1	Dr. Payel Dutta Chowdhury	Chairperson	REVA University	payeldutta.c@reva.edu.in
2	Dr. Beena G.	Member	REVA University	beena@reva.edu.in
3	Dr. Chamundeshwari	Member	REVA University	chamundeshwari.c@reva.edu.in
4	Dr. Premalatha S.	Member	REVA University	premalatha.s@reva.edu.in
5	Prof. Nasreen Ghani	Member	REVA University	nasreenghani@reva.edu.in
6	Prof. Shyla Abraham	Member	REVA University	shyla.abraham@reva.edu.in
7	Dr. Anuradha Roy	Member (External Expert)	Principal, Seshadripuram Degree College, Bengaluru	roy.anuradha@gmail.com
8	Dr. Prakruthi H.N.	Member (External Expert)	Professor & HOD, PG Dept. of English, Jain University, J.C. Road, Bengaluru	hnp14sept@gmail.com

The Meeting of the Board of Studies in English commenced with a formal welcome and introduction of all the members by Dr. Payel Dutta Chowdhury, Chairperson, BOS. She then placed the agenda before the members and initiated the deliberations.

Agenda of the 5th meeting of the Board of Studies in Arts & Humanities (English) to be held on 24th May 2018:

Agenda – BOS (E) 5:1 Consideration of the modifications in the Scheme of Instructions (Curriculum Design) of B.A. – JEP and M.A. English from the academic year 2018-19.

Agenda – BOS (E) 5:2 Consideration of the modifications in the syllabus of I – IV M.A. English for the batch starting 2018-19.

Agenda – BOS : 5

MA English

Changes were made in **English Literature – I (From Chaucer To The Augustans)**. New chapters like Wife Of Bath, Anglo Saxon Poems-Beowulf , Caedmon And Cynewulf, Astrophel And Stella, Hamlet, The Flee, Gulliver's Travels added in unit 1, 2,3

In **American Literature I**, Harlem Renaissance, Leaves of the grass, Because I could not stop for Death has to be added in Unit 1 and 2

In **Indian Writings in English – I**, History of Indian writing English, Nizzam Ezekiel: Hymns in Darkness, Dr Ambedkar: Relation of Caste, Bhamani Bhattacharya: So Many Hungers needs to be included

In **Introduction To Linguistics** Theories- Piaget, Noam Chomsky, Skinner, IC Analysis, Transformational Grammar, Pragmatics, Neurolinguistics will be included.

In **English Language Education**, Challenges and benefits of English as Second language teaching, Presentations and Explanations, Second language Pedagogy, Supplementary materials, Individualisation chapters in unit 1,2,3 and 4 needs to be added.

In **Advanced Communicative Skills**, Paragraph writing, Paraphrasing needs to be added in unit 1, Listening for a Purpose will be deleted, in unit 2- presentation skills will be deleted,while topics like Developing Listening Communication Skills, Reviewing Thesis will be added in unit 3 and 4, chapter 3 and 4 needs to be interchanged and replaced. Footnotes will be deleted from unit 4.

In English Literature – II (from Romantic Age to 20th century British Literature)

Coleridge: Frost at Midnight, Charlotte Bronte: Jane Eyre (Text), Thomas Hardy: Tess of D'Urbervilles (Film text, W B Yeats: Second Coming, Ted Hughes: Thought Fox ,Wilfred Owen: Strange Meeting should be included, Wordsworth: Extract from Lines Composed a Few Miles Above Tintern Abbey needs to be deleted.

It is decided to add chapters like History of American Education, Principals of Multicultural Education, Modernism in American literature Characteristics, Modernism in American Literature Themes in unit 1 and 2

In Indian Writings in English – II, chapters like Nissim Ezekiel: Night of the Scorpion, Goodbye Party for Miss Pushpa T, Deepa Mehta: Earth (Film Text) will be deleted and few chapters like Chitra

Banerjee Divakaruni: Palace of Illusions, JahnviBaruah – Next Door, MeenaKandaswamy: Evil Spirits, ManjuKapur: **Difficult Daughters would be replaced.**

In **New Literatures in English** Sally Morgan: Extract from My Place Buchi Emecheta's Joys of Motherhood ,Gregory Maguire's Confessions of an Ugly, AktharuzammanElias: The Raincoat(Film Text)have been replaced, Jack Davis: The Dreamers, Dorothy Allison: Bastard Out of Carolina, Kiran Desai: The Inheritance of Loss have been added, Agha Shahid Ali: The Wolf's Postscript to Little Red Riding Hood would be **deleted.**

In **Cultural Studies**, Politics and Cultural Studies, Postmodern and Poststructural Critical Theory., Lukas : Theory of Novel, Douglas and Wildavsky's- Risk and culture should be included while chapters like ChetanBhagat: Two States, Meera Nair: Monsoon Wedding,Ian Fleming: Dr No,J .K. Rowling: Harry Potter series would be replaced.

In **English for Specific Purposes** Aims and Objectives of teaching ESP, Course designing and development of ESP, Materials Production, **Teaching for Academic Purposes-Goals and challenges will be added.**

Poets like Robert Burns, Robert Frost,Ananya s Guha, Robin S Ngangom will be added, dramatists like Girish Karnad and U R Ananthamurthy will be **added,** while few novelists and dramatists like HabeebTanweer, Tom Stoppard, Gabriel Garcia, Marquez Bharati Mukherjee, IsmatChughtai KhaledHossenini would be **deleted** from **Critical Reading – Poet Critical Reading -Dramatist Critical Reading – Novelist**

Gender studies needs to be verified.

In **Critical Theories - I (From Classical to Victorian Age)** Anandavardhana – Rasa &Dhvani Theories (Ref: Indian Literary Criticism: Theory & Interpretation by G.N. Devy), Johnson: *Preface to Shakespeare*, Wordsworth: Preface to *Lyrical Ballads* (First Section on Poetic Diction) would be deleted from unit 1, 2 and 3.

In Film Studies, modification would be done by removing Kinds of Films: Fiction, documentary, newsreels, educational and instructional films, multinational and advertising films; characteristic of animation of films, Film festival and film awards, Akira Kurosawa, Adoor Gopalakrishnan in unit 1,2 and 4.

In **English Language Teaching – I** Chapters like Bobbitt, Taba. Value of errors, Classroom presence and control, monitoring of adult learners would be modified or deleted from unit 2, 3and 4.

Complete revision would be done for the **Sociolinguistics** paper.

We need to verify Biographies of Great Personalities (Open Elective)

In **Critical Theories – II (from Liberal Humanism to the Present)** Gerard Genette: Structuralism and Literary Criticism, L Cahoone: What Postmodernism Means..., Leela Gandhi: *Postcolonial Theory* (Introduction) would be deleted from unit 2, 3 and 4 respectively.

No Changes would be done in the paper – Research Methodology.

In the paper **Literatures from India in Translation** few chapters like Banabhatta & Bhushanabhatta: *Kadambari*, Gopala Krishna Adiga: *Kupamanduka*, Dilip Chitre: *Father Returning Home*, Joy Goswami: *In the Evening Sadness Comes* needs to be deleted. Chapters like V.S. Khandekar: *Yayati - A Classic Tale of Lust*, Banabhatta & Bhushanabhatta: *Kadambari*, Kalidasa: from *Meghadoota*, A. K. Ramanujan: *Hymns for the Drowning*, Kuvempu: *Kanuru Heggadithi* (Film Text), Vaidehi: *Gulabi Talkies* would be replaced.

Spoken and Written communication needs to be added as one chapter in **English Language Teaching – II**, while Bruner's theory of learning, Behavioral learning theory and its application, Benefits of Action Research, Effects of Action Research, Written Academic Communication, Level of Errors – (Grammar errors, Discourse errors, Text errors, Lexical errors) would be revised or deleted. Few chapters that could be replaced are Listening and Reading in Academic Contexts, Language Development.

No major changes in Major Research Project and Skill Development.

Agenda – BOS (E) 5:3 Approval of Literature and Language (Major Course) syllabus of I – VI Semester B.A. JEP and B.A. PEP for the batches starting 2018-19.

Agenda – BOS (E) 5:4 Approval of Functional English syllabus of I & II Semester B.Sc. and Communicative English syllabus for I & II Semester B.A. JEP, B.A. PEP, BBA, BBA (H), B.Com, B.Com (H), BCA, and III & IV Semester B.Sc. for the batches starting 2018-19.

Agenda – BOS (E) 5:5 Approval of Additional English syllabus of I – IV Semester B.A. JEP, B.A. PEP and B.Sc. and I & II Semester BBA, BBA (H), B.Com, B.Com (H) and BCA for the batches starting 2018-19.

Agenda – BOS (E) 5.6 Approval of Technical English syllabus of I & II Semester B.Tech and B.Arch. and I Semester BS Cloud Computing for the batches starting 2018-19.

Agenda – BOS (E) 5.7 Approval of Law and Language syllabus of I & II Semester B.A. LL.B and BBA LL.B. for the batches starting 2018-19.

Agenda – BOS (E) 5.8 Approval of Advanced Communicative English syllabus of I & II Semester MFA and II Semester MCA.

Agenda – BOS (E) 5.9 Consideration of the modifications in the syllabus of Advanced Research Methodology of Ph.D. English Course Work for the batch starting 2018-19.

Agenda – BOS (E) 5.10 Any other matter connected to the syllabus, question paper pattern and scheme of valuation.

Based on the suggestions from the BOS Chair member and stakeholders feedback the following revisions have been incorporated in the curriculum.

Note: The Chair Person is empowered to change 20% of syllabus.

The meeting was concluded by Dr. Payel Dutta Chowdhury thanking the members for their valuable inputs and observed that she was looking forward to their continued association and interaction in future.



Director
School of Arts & Humanities

Minutes of Meeting

The BOS meeting for M.Sc. Biochemistry program was conducted on 02.06.2018. The following members (List of attachment) were present. Syllabus was discussed in detail. Members contributed valuable inputs and they expressed suggestions and may be incorporated into the upcoming syllabus for the benefit of students.

The following Agenda has be discussed

Modifications in the scheme of instructions and credit distributions of the program:-

- Credits for MS17BC101 (Biophysical chemistry) and MS17BC204 (Biochemical Genetics) to be revised to 4 since total no of hours for the course is 52.
- Bioenergetics and metabolism (MS17BC103) is too lengthy. Hence Bioenergetics and metabolism I and II to be split along with Biomolecules (MS17BC105)
- To balance one of the soft core from II SEM to be shifted to SEM I.

SHUFFLING

SEMESTER 1	SEMESTER 2
Metabolism 1	Metabolism 2
Food Technology	Bioinformatics

Revision of the syllabus as per the modified scheme of instructions:-

The following changes have been made with respect to the units and course codes as per their advice.

Course code	Topics (to be included)	Unit
MS17BC101	mechanism of action of free radicals	Unit-1
	Principle and application of toxicity in industry and health; applications. Environmental damage, toxin and contaminants analysis	unit-4
MS17BC102	Tissue and pathophysiology of organ systems	Unit-1
MS17BC103	Bacterial ETC and mechanism of oxidative phosphorylation;	Unit-1
	metabolism of fluid molecules and disorders of carbohydrate metabolism; Lipids	Unit-2
	Amino acid metabolism	Unit-3
	clinical significance	Unit-1, 2, 3,4
MS17BC104	standardisation and validation methods to suit industry	Unit-4
MS17BC201	3-D structural feature of chymotrypsin	Unit-1

	Industrial application such as drug development , active site modifications, competitors, ATP mimics	Unit-4
MS17BC202	Maxim-Gilbert method and short gun sequencing	Unit-3
MS17BC203	Modern vaccines and applications, Immunotherapy on cancer	Unit-4
MS17BC215	Application of drug discovery and development with examples of approved drugs.	
MS17BC225	proximate analysis of food and analysis of normal and adulterated food; FSSAI Guidelines in Food technology	Unit-2
MS17BC301	Gene concept and gene therapy to be included. mutation or mutagens	Unit-4
MS17BC302	nutrition relation and current regulations	

Assessment of quality of question papers of internal test and semester end examination:-

Equal weight age should be given to all the units and questions to be shuffled accordingly. Not to mention unit number on the question papers.

Preparation of panel of examiners:-

There were no suggestions and all the examiners in the panel were accepted.

Sl.No.	Name of the Member	Designation
1	Dr.N.Ramesh Dean, Faculty of Science and Technology REVA University dir.planning@reva.edu.in	Chairperson (Present)
2	Dr. U.V Babu Head- Phytochemistry, Research and Development, Himalaya Drug Company.Bangalore dr.babu@himalayawellness.com	Member (Present)
3	Dr. Arumugam Muruganandam Managing Director & CEO Affigenix Bio Solutions radhasanand@gmail.com	Member (Absent)



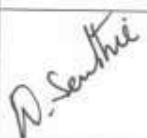



4	Dr. Senthil Duraisamy Founder- Managing Director PharmaGenica Healthcare Pvt Ltd senthildu@gmail.com	Member (Present)
5	Dr. Renuka Srihari, Professor, Department of Biochemistry, MLACW, Bangalore rsh1_thesis@rediffmail.com	Member (Present)
6	Prof. Jayashree.S Professor & Head School of Chemical and Biological Science REVA University jayashrees@reva.edu.in	Member (Present)
7	Dr. Veeraraghavan Professor , School of Chemical and Biological Science, REVA University veeraraghavan@reva.edu.in	Member (Present)
8	Prof. T.P. Charan Raj Assistant Professor School of Chemical and Biological Science REVA University charanraj.tp@reva.edu.in	Internal Member (Present)

School of Biochemistry

Meeting of the Board of Studies for M.Sc Biochemistry program

Scheduled date : 02nd June 2018

List of members

Sl.No.	Name of the Member	Designation	Signature
1	Dr.N.Ramesh Dean, Faculty of Science and Technology REVA University dir_planning@reva.edu.in	Chairperson	
2	Dr. U.V Babu Head- Phytochemistry, Research and Development, Himalaya Drug Company, Bangalore dr.babu@himalayawellness.com	External Member	
3	Dr. Arumugam Muruganandam Managing Director & CEO Affigenix Bio Solutions radhasanand@gmail.com	External Member	absent.
4	Dr. Senthil Duraisamy Founder- Managing Director PharmaGenica Healthcare Pvt Ltd senthildu@gmail.com	External Member	
5	Dr. Renuka Srihari, Professor, Department of Biochemistry, MLACW, Bangalore rsh1_thesis@rediffmail.com	External Member	
6	Prof. Jayashree.S Professor & Head School of Chemical and Biological Science REVA University jayashrees@reva.edu.in	Internal Member	
7	Dr. Veeraraghavan Professor , School of Chemical and Biological Science, REVA University veeraraghavan@reva.edu.in	Internal Member	
8	Prof. T.P. Charan Raj Assistant Professor School of Chemical and Biological Science REVA University charanraj.tp@reva.edu.in	Internal Member	

Agenda

1. Modifications in the scheme of instructions and credit distributions of the program.
2. Revision of the syllabus as per the modified scheme of instructions.
3. Assessment of quality of question papers of internal test and semester end examination.
4. Preparation of panel of examiners.
5. Any other matter with the permission of the Chair.

Noted the contents of the agenda and discussed each point with required inputs suggestion.

Alexander
2/6/18

Agenda

1. Modifications in the scheme of instructions and credit distributions of the program.
2. Revision of the syllabus as per the modified scheme of instructions.
3. Assessment of quality of question papers of internal test and semester end examination.
4. Preparation of panel of examiners.
5. Any other matter with the permission of the Chair.

** FSSAI guidelines should be included in Food technology (MS17BC225) - paper - VI.*

*Conr
04/06/2018*

Agenda

1. Modifications in the scheme of instructions and credit distributions of the program.
2. Revision of the syllabus as per the modified scheme of instructions.
3. Assessment of quality of question papers of internal test and semester end examination.
4. Preparation of panel of examiners.
5. Any other matter with the permission of the Chair.

Equal weightage should be given to all the units and mixed questions accordingly. Not to mention unit # on the question paper papers.

A. Senthil
02/06/2018

NOTIFICATION

Under the direction of the Hon'ble Chancellor and as per the provisions REVA University Statutes relating to Formation of the Boards of Studies, their powers and functions, 2013 the Board of Studies in Biochemistry (PG) comprising of following members is reconstituted

Sl.No.	Name of the Member	Designation
1	Dr.N.Ramesh Dean, Faculty of Science and Technology REVA University dir_planning@reva.edu.in	Chairperson
2	Dr. U.V Babu Head- Phytochemistry, Research and Development, Himalaya Drug Company,Bangalore dr.babu@himalayawellness.com	Member
3	Dr. Arumugam Muruganandam Managing Director & CEO, Affigenix Bio Solutions radhasanand@gmail.com	Member
4	Dr. Senthil Duraisamy Founder- Managing Director PharmaGenica Healthcare Pvt Ltd senthildu@gmail.com	Member
5	Dr. Renuka Srihari, Professor, Department of Biochemistry, MLACW, Bangalore rsh1_thesis@rediffmail.com	Member
6	Prof.Jayashree.S Professor & Head School of Chemical and Biological Science, REVA University jayashrees@reva.edu.in	Member
7	Dr. Veeraraghavan Professor , School of Chemical and Biological Science, REVA University veeraraghavan@reva.edu.in	Member
8	Prof. T.P. Charan Raj Assistant Professor School of Chemical and Biological Science REVA University charanraj.tp@reva.edu.in	Internal Member

The tenure of office of members of the Board of Studies in Biochemistry (PG) shall be for a period of three years or until further orders.


REGISTRAR

REVA University
School of Applied Sciences (Biochemistry)

Proceedings of Board of Studies Meeting

Date: 30th May 2018

The meeting of the Board of Studies in School of Biochemistry was held on 30/05/2018 at 10.30 am to discuss on **the revision of PG (MSc. Biochemistry) syllabus of 2018 batch programs.**

At the outset, the Dr. Jayashree S, Chairperson of the BOS in Biochemistry welcomed all the members present, explained the purpose of the meeting and the agenda in brief. Then, the agenda was taken up for discussion.

The Proceedings of the meeting are as below:

Agenda: Approval of Scheme & Syllabus of 2018-20 M.Sc. Biochemistry program.

Resolution: The committee members went through the scheme and detailed syllabus of M.Sc. Biochemistry program for the batch 2018-20 and approved the same with the following modifications.

M.Sc. Biochemistry

1. The committee recommendations for **I-Semester** are the following
 - a) M18BC1030 - Bioenergetics and Intermediary Metabolism and Biomolecules was replaced with Metabolism-I
 - b) Shuffled M18BC1050 – Research Methodology and Statistics
 - c) Introduced additional two laboratories

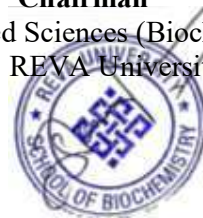
2. The committee experts suggested following for **II-Semester**
 - a) Rearranged contents of M18BC2020- Biotechnology
 - b) Incorporation of Metabolism-II with Chemistry of Biomolecules
 - c) Introduced RULO
 - d) Couple of lab courses added

3. Members of the committee advised the below for **III-Semester**

- a) Shifting of Biochemical genetics from II sem to III semester
 - b) MS17BC3041, 42,43 were shifted to III sem
 - c) IV semester lab has been shifted to III semester
 - d) Plant Biochemistry and Industrial Biochemistry were clubbed into one subject
 - e) Clinical Biochemistry and Clinical diagnostics were clubbed into one subject
 - f) Pharmacovigilance and SAS were clubbed into one subject
4. The expert committee advised no changes to **IV-Semester**

The detailed syllabus of M.Sc courses has been attached as Annexure I.

Chairman
School of Applied Sciences (Biochemistry)
REVA University.




Proceedings of the Meeting of the Board of Studies in Physics held on 30th May 2018 in Conference Room. Administrative Block, Rukmini Knowledge Park, Bengaluru - 560064

Members Present

Sl. No.	Name of Members	Designation
1.	Dr. D V Sunitha	Chairperson
2.	Dr.J. Malleshappa	External Member
3.	Prof. Chandrabhas Narayana FRSC FNASc FASc	External Member
4.	Dr.Manohar Rao	External Member
5.	Dr.K.M. Eshwarappa	External Member
6.	Dr J B Prasanna Kumar	External Member
7.	Dr. Madeshkumar	Internal Member
8.	Mrs. Bharathi Devi	Internal Member
9.	Dr. JaydevPattar	Internal Member
10.	Dr. S Naresh Kumar	Internal Member
11.	Dr. P Anjaneyulu	Internal Member
12.	Dr.D.Prakashbabu	Internal Member
13.	Dr. K.Munirathnam	Internal Member
14.	Dr.Hareesh.K	Internal Member
15.	Mrs. S.K.Usha	Invitee
16.	Mr. Ranjith Kumar	Invitee
17.	Mr. Deepak	Invitee

Members Not Present

Nil


HEAD OF THE DEPARTMENT
SCHOOL OF PHYSICAL SCIENCES
REVA UNIVERSITY
KATTIGENAHALLI YALAHANKA
BANGALORE -560064

PROCEEDINGS

The meeting of the Board of Studies in School of Applied sciences (Physics) was held on 30/05/2018 at 10.30 am to revise the scheme and syllabus of PG (MSc. Physics) program.

At the outset, Dr. D.V. Sunitha, Chairperson of the BOS in Physics welcomed all the members present, explained the purpose of the meeting and the agenda in brief. Then, the agenda were taken up for discussion.

Agenda-1: Revision of Scheme & Syllabus of 2017-19 M.Sc. Physics program.

The Chairperson explained to the members that the M.Sc programme was introduced in REVA University in 2017-18. The University has taken a decision to incorporate few special courses such as Yoga, sports, dance, theater to develop overall personality of the students. The University also considered that it is important for students have to learn some of the online programmes such as MOOC, Swyam, etc. These courses with eight credits are made compulsory for all master degree programmes and are offered under the title RULO (REVA University Unique Learning Offerings). Therefore, revised draft scheme and syllabus of M.Sc programme prepared by the core group of faculty members in the school and placed before the BOS members for consideration and decision. She invited the inputs from the members and requested to contribute to enrich the quality of the programme being offered. The members made the following observations and suggestions.

1. To make shuffling of some of the courses for easy understanding of the program like Quantum mechanics II has been replaced by Electrodynamics course of II Sem.
2. To shift Condensed matter Physics (Gen) course in place of Quantum mechanics-I of II Semester.
3. To change the Electrodynamics in place of Quantum mechanics II paper of II Sem and Condensed matter Physics (Gen) course of I Sem has been shifted in place of Electrodynamics.

4. The committee experts also advised to that RULO has to be introduced as a part of curriculum in II Sem for 2 credits.
5. To make both Internship and Project work compulsory and fix **two** and **twelve** credits respectively.
6. To offer either of the music dance, sports, yoga and theater course of two credits and skill development course of two credits under RULO during II semester.
7. To offer MOOC/ Swayam such other online courses of four credits during IV semester.
- 8 **Internship (2 credits):** Minimum of six-week duration internship should be carried out by the student either in industry or in an R&D organization, including educational institutes with excellent research culture. In case, if a student is unable to secure internship either in industry or in an R&D organization, a project may be carried out within the university. The student is expected to submit a formal report at the end of the internship programme. The student shall be awarded the marks for internship based on the (a) presentation and (b) comprehensive viva by the panel of examiners constituted by the school.
9. **Major Project: 12 credits**

The Major Project should be based on preliminary research-oriented topics both in theory and experiment. The teachers who will act as supervisors for the projects will float projects and any one of them will be allocated to the student. The research projects floated should be completed in 16 weeks. After the completion of the project the student shall submit project report in the form of dissertation on a specified date by the School/University.

After detailed discussion the members of the BOS resolved as under.

Resolution:

The members of the BOS in Physics prepared the revised scheme of instruction and detailed syllabus of M Sc Physics program and unanimously resolved to recommend to the University to adopt the revised Scheme of Instruction and detailed syllabus (**Annexure I**) from the Academic Year 2018-19.

Agenda 2:

Preparation of Scheme of Examination

only
HEAD OF THE DEPARTMENT
SCHOOL OF PHYSICAL SCIENCE
REVA UNIVERSITY
KATTIGENAHALLI YALAHANKA
BANGALORE - 560064

The Chairperson explained the existing guidelines relating to scheme of examination/and pattern of question papers setting and requested for inputs from the members. The members after examining the guidelines decided as under.

Resolution

The members of Board unanimously decided to follow the existing Scheme of Examination and the pattern of question papers.

At the end the Chairperson thanked all the Members for having spared their valuable time and also for their active participation and inputs given in the meeting.



Dr.D.V.Subitha
BOS Chairman
School of Applied Sciences (Physics)
REVA University.

HEAD OF THE DEPARTMENT
SCHOOL OF PHYSICAL SCIENCES
REVA UNIVERSITY
KATTIGENAHALLI YALAHANKA
BANGALORE -560064



School of Applied Sciences

M. Sc. (Chemistry)

Proceedings of the BOS in Chemistry (PG)

2018

Rukmini Knowledge Park,
Kattigenahalli, Yelahanka, Bangalore - 560 064
Phone No: +91-080-66226622, Fax: 080-28478539

Rukmini Educational
Charitable Trust

www.reva.edu.in

Proceedings of the Meeting of the Board of Studies in Chemistry held on 5th June 2018 in the Conference Room, Administrative Block, Rukmini Knowledge Park, Bengaluru - 560064

Members Present:



Board of Studies for M.Sc., in Chemistry

Date of Meeting: 5th June 2018

Time: 10.00 AM

Sl.No.	Name of the Member	Designation	Signature
1	Dr. N. Ramesh Dean, Training, Placement and Planning REVA University Ph: +91-9880514718; dean.tpp@reva.edu.in	Chairman	
2	Dr. Vadiraj S Ekkundi Vice president, R&D (Global) VVF India Limited, (Retd) Mumbai, India. Ph: 09538926288 Email: vadiraj.ekkundi@yahoo.co.in	External Member	
3	Dr. Arun Kumar Gupta Research Director, Syngene International Limited, BBRC, A Biocon Group, Bangalore Ph: +91-9731133411	External Member	
4	Prof. S. Hariprasad Professor Department of Chemistry (Organic chemistry) Central College Campus, Bangalore University Mobile: +91 9448016944 E Mail: hariprasad@bub.ernet.in , hariprasad@dr.com	External Member	
5	Prof. V. Gayathri Professor Department of Chemistry (Inorganic chemistry) Central College Campus, Bangalore University Phone: +91 80 22961348 Mob: +91 9980514446 Email: gayathritvr@yahoo.co.in	External Member	
6	Dr. K. Hanumae Gowd Associate Professor Department of Chemistry, CUK, Kalaburagi Ph: +91- 9483824396 E-mail: hanumae@gmail.com	External Member	

7	Dr. Madhusudana Reddy M B Associate Professor, School of Chemical Science Reva University. +91-9480224757; E-mail: madhusudana@reva.edu.in	Internal Member	<i>Reddy</i> 5/6/18
8	Dr. Lakshmi B Associate Professor, School of Chemical Science, Reva University, +91-9902632762 E-mail: lakshmi@reva.edu.in	Internal Member	<i>Reddy</i> 5/6/18
9	Dr. Sakthivel Kandaiah Associate Professor School of Chemical Science Reva University Ph:+91-9742585588, E-mail: sakthivel@reva.edu.in	Internal Member	<i>Reddy</i> 5/6/18
10	Dr. Ramakrishna Reddy K Associate Professor School of Chemical Science Reva University Ph:+91-8748914290 E-mail: k.ramakrishnareddy@reva.edu.in	Internal Member	<i>Reddy</i> 5/6/18
11	Dr. S. Shivakumar Assistant Professor School of Chemical Science Reva University Ph:+91-9972599779 E-mail: s.shivakumara@reva.edu.in	Internal Member	<i>Reddy</i> 5/6/18
12	Dr. K.V. Jagannath Assistant Professor School of Chemical Science Reva University Ph:+91-9482084007 E-mail: jagannath.kv@reva.edu.in	Internal Member	<i>Reddy</i> 5/6/18

PROCEEDINGS

At the outset, Dr. N. Ramesh, Chairperson of the BOS in Chemistry welcomed all the members present, explained the purpose of the meeting and the agenda in brief. Then, the agenda were taken up for discussion.

Agenda-1: Approval of Scheme & Syllabus M.Sc. Chemistry program.

The Chairperson explained to the members that the M.Sc Chemistry programme was introduced in REVA University in 2017-18. The University has taken a decision to incorporate few special courses such as Yoga, sports, dance, theater to develop overall personality of the students. The University also considered it important for students to study some of the online programmes such as MOOC, SWAYAM, etc. These courses with eight credits are made compulsory for all master degree programmes and are offered under the title RULO (REVA University Unique Learning Offerings). Therefore, revised draft scheme and syllabus of M.Sc programme incorporating these courses has been prepared by the core group of faculty members in the school, and is placed before the BOS members for consideration and decision. He invited the inputs from the members and requested to contribute to enrich the quality of M Sc (Chemistry) program being offered by REVA University. The members having examined the scheme and syllabus of the program made the following observations and suggestions.

1. To introduce hardcore subjects in third semester and soft cores in fourth semester.
2. To strengthen the soft core contents with industry relevant topics.
3. To introduce additional labs and extended lab hours to improve the experimental skill sets and instrument handling ability of students
4. To interchange certain topics of semester II to Semester III of Inorganic and Organic chemistry to strengthen the foundation knowledge.
5. To include the bioinorganic content, modify the instrumental technique part in the chemistry of life in second semester soft core.
6. To add more of NMR related concepts in unit 4, structure elucidation with spectral data and move the unit four contents of ESR and Mossbauer to advanced inorganic chemistry of semester III.
7. To modify the contents of supramolecular and medicinal chemistry by merging unit I and unit II of supramolecular chemistry to a single unit. A new fourth unit shall be introduced with pharmaceutical chemistry and drug design contents.
8. To make minor changes in organometallics in organic synthesis
9. To introduce new named reactions in advanced organic synthesis
10. To modify the unit 1 content of industrial inorganic chemistry this is relevant to industrial catalysis.
11. To move the Part I content of unit II to unit I and Introduce electron spin resonance and Mossbauer spectroscopy in unit II of Advanced Inorganic Chemistry.

The detailed revision of each subject is given below

1. **Inorganic chemistry – I (M18CH1010)**
No changes in Unit-1, Unit-2 and Unit-3
In Unit-4,

Nuclear Chemistry - The atomic nucleus-elementary particles, quarks, classification of nuclides based on Z and N values, nuclear stability, nuclear potential, binding energy. Nuclear Models: Shell model-salient features, forms of the nuclear potential, filling of orbitals, nuclear configuration, Liquid drop model, Fermi gas model, Collective model and Optical model.

BOS(2018-19)
Department of Mathematics
B.Sc.(Mathematics, Statistics, Computer Science)



Board of Studies for B.Sc., in Mathematics, Statistics, Computer Science

Date of Meeting: 30th May 2018

Time: 10.30 AM

Sl.No.	Name of the Member	Designation	Signature
1	Dr. Harish Babu G A Professor and Coordinator Department of Mathematics, REVA University harishbabuga@reva.edu.in; 9845549977	Chairman	
2	Dr. Vishu Kumar M Professor Department of Mathematics, REVA University vishukumarm@reva.edu.in; 9845871372	Mathematics – Internal Member	
3	Dr. Hanumagowda B N Professor Department of Mathematics REVA University hanumagowdabn@reva.edu.in 9845871372	Mathematics – Internal Member	
4	Dr. Uday Kumar K N Associate Professor, School of Physical Science - Department of Mathematics REVA University udayakumarkn@reva.edu.in 9980923283	Mathematics – Internal Member	
5	Prof. Brinda Halmadi Assistant Professor, Department of Mathematics REVA University brinda@revainstitution.org; 9844659900	Mathematics – Internal Member	
6	Major. K Shivakumar Associate Professor, GFGC Yelahanka Shiva1962@gmail.com; 9448809881	Mathematics – External Member	
7	Ms. Mohankumari C Assistant Professor, Department of Statistics, REVA University mohankumaric@revainstitution.org 9741403154	Statistics – Internal Member	
8	Mr. Narayan Gowda N Assistant Professor, Department of Statistics, REVA University, mohankumaric@revainstitution.org kngowda@gmail.com; 9844011027	Statistics – Internal Member	
9	Mr. Shantappanavar S B Assistant Professor, Department of Statistics, Maharani Science College, Mysore. shantappanavar@gmail.com; 9448294319	Statistics – External Member	
10	Mr. Prasanna Kumar R B Assistant Professor, School of Computer Science and Applications, REVA University prasannakumar@reva.edu.in; 9342203018	Computer Science – Internal Member	
11	Mr. Kiran Kumar A N Senior Member Technical Staff, Oracle India Pvt Ltd, Thavarekere, Bangalore. kiran.f.kumar@oracle.com; 9945508652	Computer Science – External Member	

Proceedings

At the outset, Dr.Harish Babu.G.A, the Chairperson of the BoS, Professor and Coordinator of the Department Of Mathematics, welcomed all the members present, explained the purpose of the meeting and the agenda in brief. Then the agenda was taken up for discussion.

Agenda 1:

Preparation of Course Curriculum

The Chairperson explained briefly about the establishment of REVA University and the course being introduced under REVA University. He also explained the features of CBCS/CAGP of education the University is committed to follow since its inception itself. He requested all the members to cooperate and to draft the curriculum as per the REVA University Regulations for CBCS-CAGP for UG Applied Sciences program.

The BoS members discussed the agenda in detail and drafted the course curriculum including the scheme of instruction, eligibility criterion, etc. The Board also drafted detailed syllabus.

Resolution:

The Board unanimously resolved to adopt CBCS-CAGP of education for B. Sc – M St Cs (Mathematics, Statistics and Computer Science) from the Academic Year 2018-21 and recommend the University to adopt detailed curriculum drafted, which is provided in Annexure 2.















DR..HARISH BABU G A
BOS Chairperson

Date: 30.05.2018

Advisory Board

Proceedings of the meeting of the Board of Studies in Mathematics held on 7th June, 2018 at 9.30 am in the Department of Mathematics, Conference Hall, Admin Block, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064.

Board of Studies for M.Sc., in Mathematics			07.06.2018
Sl. No.	Name of Members	Designation	Signature
1.	Dr. Harish Babu G A Professor and Coordinator School of Physical Sciences (Mathematics) REVA University harishbabuga@reva.edu.in 9845549977	Chairperson	
2.	Prof. A.S. Vasudeva Murthy. Associate Professor, TIFR-CIM, Yelahanka Bangalore	External Member	
3.	Fr Joseph Varghese Kureethara CMI Associate Professor, Department of Mathematics Christ University, Hosur Road, 560029 Bangalore, INDIA +91.80.41116243(Res), +91.80.41116000 (Res Fax)	External Member	
4.	Sandeepa, M. S. Sr. Data Scientist, Sapient Consultancy, Bengaluru ,India Mob:- 9845445856, sandeepa.ms@sapient.com	External Member	
5.	Dr. Hanumagowda B N Professor, School of Physical Sciences (Mathematics) REVA University, hanumagowdabn@reva.edu.in 9845871372	Internal Member	
6.	Dr. Vishu Kumar M Professor, School of Physical Sciences (Mathematics) REVA University, vishukumarm@reva.edu.in 9845871372	Internal Member	
7.	Dr. Uday Kumar K M Associate Professor, School of Physical Sciences (Mathematics) REVA University, udayakumarkn@reva.edu.in 9980923283	Internal Member	
8.	Dr. R. Murugesan, Professor, School of Physical Science(Mathematics), REVA University. r.murugesan@reva.edu.in 9483543359	Internal Member	
9.	Dr.N.Naga Maruthi Kumari Associate Professor, School of Physical Sciences (Mathematics) REVA University, Bengaluru-64 Mob.No.8762600582, suma@reva.edu.in	Internal Member	
10.	Dr. Raju B T Associate Professor, School of Physical Sciences (Mathematics) REVA University, Bengaluru, rajubt@reva.edu.in, 9980 816 815	Internal Member	
11.	Dr. Vasantha D M Associate Professor, School of Physical Sciences (Mathematics) REVA University, dmvasantha@gmail.com, 8618769737	Internal Member	
12.	Dr. Srikumar K Associate Professor, School of Physical Sciences (Mathematics) REVA University, srikumark@reva.edu.in, 9740899883	Internal Member	

Proceedings

Date: 07/06/2018

Time: 9.30 AM

Venue: Conference Hall, Admin Block, RU

Proceedings of BOS (2018-19)

At the outset, Dr.Harish Babu, Professor, Department of Mathematics, The Chairperson of the BoS welcomed all the members present, explained the purpose of the meeting and the agenda in brief. Then the agenda was taken up for discussion.,

Agenda 1: Preparation of Course Curriculum

- The Vice Chancellor Dr.Kulakarni explained briefly about the establishment of REVA University and the course being introduced under REVA University.
- He also explained the features of CBCS/CAGP of education the University is committed to follow since its inception itself.
- He requested all the members to cooperate and to draft the curriculum as per the REVA University Regulations for CBCS-CAGP for PG programs.
- He insisted to incorporate Self Learning Programs(Swayam & Massive Open Online Course-MOOC) in the curriculum
- He insisted to incorporate Internships in the curriculum
- He informed to incorporate life skills(Sports and Co-Curricular Activities like Yoga) also in the curriculum
- Out of 96 credits, 8 credits are going to be given for Co-Curricular Activities
- Pre requisites for every Course in the Program must be well defined
- Curriculum should be posted in the WEBSITE
- At the end, He has insisted all the BOS members to do the deliberations very transparently.

Views and Suggestions by Experts

The BoS members discussed the agenda in detail and drafted the course curriculum including the scheme of instruction, eligibility criterion, etc. The Board also drafted detailed syllabus.

Resolution:

- The Board unanimously resolved to continue CBCS-CAGP of education for M.sc in Mathematics program in the Academic Year 2018-20 and recommend the University to adopt detailed curriculum drafted, which is provided in Annexure 2.
- Structure of M.Sc. (Mathematics syllabus) (The following changes were suggested by BOS External Examiners)
 - 1)Dr.Vasudeva Murthy, TIFR
 - 2) Dr.Joseph Varghese,Christ University
- In Algebra, Galois Theory can adjusted in 3rd and 4th Units by removing 4th unit.

- The Course Title **Magneto Hydro Dynamics** has to be changed as **Continued Mechanics & Fluid Dynamics or Computational Methods for PDE or Numerical Techniques for PDE**
- In Graph Theory, in Module 1, Representation of graphs can be added and Module 2 should be removed and Eigen Values and Applications should be incorporated in the last Unit.
- Module 2 (Digraph Theory) can give for Projects
- The text book for Finite Element Theory was suggested as “Finite Element Theory” by Sasikumar Ganeshan.
- In ODE and PDE Eigen value problems - Sturm-Liouville problems - Orthogonality of eigen functions, Green’s function method. Fundamental existence and uniqueness theorem-Picards method. **Removed**
- Acyclic Digraph, Multipartite Digraphs, Transitive Digraphs, Line Digraphs, Series-Parallel Digraphs, Quasi-Transitive Digraphs, Path-Mergeable Digraphs, Locally Semicomplete Digraphs, Planar Digraphs. **Replaced to** Perfect Graphs :The perfect graph theorem, Chordal graphs, Chordal bipartite graphs, Other classes of perfect graphs, Imperfect graphs, The strong perfect graphs conjecture, Optimization in perfect graphs.
- Mathematical Methods Title has to be changed(As the Title is not giving the clarity of Mathematicsl Methods for What)
- The course **Measures and Integration** has to be changed as **Measure Theory**
- Differential Geometry can be done by using **Mathematica**
- **The following Open Electives are suggested**
 - 1) **Linear Algebra**
 - 2) **Digraph Theory**
 - 3) **Computational Number Theory**
 - 4) **Cryptography**
 - 5) **Labeling of graphs**

Agenda 2: Preparation of Scheme of Examination

- The Chairperson explained the guidelines relating to scheme of examination /and pattern of question papers setting and requested the Board to work out the Scheme of Examination and decide about the pattern of question paper to be adopted to the program. Accordingly, the Board went through the guidelines provided Scheme of Examination.
- Resolution The Board worked on the detailed Scheme of Examination and the pattern of question papers and resolved to recommend the same to the University to continue it from the academic year 2018-20.
- Scheme of Examination for M.Sc. in Mathematics Pattern of Question Paper Duration: 3Hrs Max Marks: 100 (There are 4 questions. All questions must be answered. Each question carries 25 marks.) There are 2 main questions from each unit in the form of (a) or (b) each carrying 25 marks. Candidate has to answer any one (a or b). (Each main question can be split into subdivisions which carries totally 25 marks)
- **Agenda 3: Preparation of Panel of Examiners**

The Chairperson requested the Board Members to prepare the Panel of Examiners for the 1st and 2nd Semester end Examination for M.sc in Mathematics program Resolution. The Board prepared the Panel of Examiners (internal and external) and resolved to recommend to the University, the said panel. At the end, the Chairperson thanked all the members for having spared their valuable time and extended their cooperation.





DR..HARISH BABU G A
BOS Chairperson

Date: 30.05.2018

REVA UNIVERSITY
SCHOOL OF PERFORMING ARTS

BOS MEMBERS 2018-2019

1. Dr. Vasanth Kiran - Chair Person
2. Dr. Nagamani Srinath - Member 
3. Dr. Nagesh Bettakote - Member
4. 
5. Dr. Sheela Shridhar - Member
6. Prof. Maalyada Anand - Member *K. Maalyada Anand.*

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Dr. Vasanth Kiran
Director
School of Performing Arts
REVA University
Director
School of Performing Arts
REVA University
Rukmini Knowledge Park, Kattigenahalli,
Yelahanka Bengaluru - 560 064

Proceedings of the meeting of the Board of Studies in Performing Arts held on 28th of May, 2018 at Conference Hall in Administrative Block, REVA University, Kattigenahalli, Yelahanka, Bengaluru - 64.

Members Present:

1. Dr. Vasanth Kiran - Chairperson
2. Dr. Nagamani Srinath - Member
3. Dr. Nagesh Bettakote - Member
4. Dr. Sheela Shridhar - Member
5. Prof. Maalyada Anand - Member
6. Deepa Pillai - Student
7. Veena - Student

Members Not Present:

1. Manju Bargavee - Member
2. Sri Satyanarayana Raju - Member
3. Dr. Usha Datar - Member
4. Lakshmi Vishwanathan - Member

Proceedings

At the outset, Dr. Vasanth Kiran, Chairperson of the Board of Studies in **Performing Arts**, welcomed all esteemed BoS members present, and said that we feel honoured to have eminent artists/academicians of your calibre, as part of our BoS. explained the purpose of the meeting and the agenda in brief Then the agenda were taken up for discussion.

Dr. Vasanth Kiran explaining the purpose of the meeting and the agenda in brief said currently School of Performing Arts is offering MPA (Bharatanatyam /Kuchipudi), Diploma (Bharatanatyam /Kuchipudi /Mohiniattam), Certificate (Bharatanatyam /Kuchipudi /Mohiniattam) and is engaged in research leading to Ph. D in Performing Arts.

From this year our university has introduced RULO (REVA unique learning Objective) under which unique elective courses in the areas of performing arts, sports, yoga etc are being offered to students of all other Schools. Also some of the performing arts courses are being offered as Open Electives to students of other Schools. Credits for these courses under RULO and Open Elective are made mandatory. The University has also proposed to introduce three year BA program with combination of Performing Arts, English and Psychology. We therefore, look forward for your kind input to carry out these responsibilities effectively and efficiently and impart quality education to our students. The agenda were then taken up for discussion and decision.

Agenda 1:

Modification of Scheme of Instruction of Certificate Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam on L:T:P model

Dr. Vasanth Kiran, Chairperson of the Board explained that the Certificate Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam are being offered by REVA University from 2017-18. The syllabus has been prepared by the Board of Studies in Performing Arts and the same is being adopted. Since the University has adopted L:T:P of education for all its programs it is felt that we follow L:T:P of education in certificate courses also. Hence the matter is placed before the Board with a request to work out the credits pattern for L:T:P of education for three Certificate Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam. The Board members appreciated the initiative of School of Performing Arts for introducing credit pattern and L:T:P of education at certificate level. They worked out the credits pattern for L:T:P of education for all the three certificate courses and resolved as under.

Resolution:

The Board prepared the credits pattern for L:T:P of education along with syllabus for Certificate Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure - I**) and unanimously resolved to recommend to the University to adopt the same from the academic year 2018-19.

Agenda 2:

Modification of Scheme of Instruction of Diploma in Bharathanatyam, Kuchipudi, and Mohiniyattam on L:T:P model

The Chairperson of the Board of Studies in Performing Arts explained that the Diploma Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam are being offered by REVA University from 2017-18. The syllabus has been prepared by the Board of Studies in Performing Arts and the same is being adopted. Since the University has adopted L:T:P of education for all its programs it is felt that we follow L:T:P of education in certificate courses also. Hence the matter is placed before the Board with a request to work out the credits pattern for L:T:P of education for three Diploma Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam. The Board members appreciated the initiative of School of Performing Arts for introducing credit pattern and L:T:P of education at Diploma level. They worked out the credits pattern for L:T:P of education for all the three Diploma courses and resolved as under.

Resolution:

The Board prepared the credits pattern for L:T:P of education for along with syllabus for Diploma Courses in Bharathanatyam, Kuchipudi, and Mohiniyattam (**Annexure - II**) and unanimously resolved to recommend to the University to adopt the same from the academic year 2018-19

Agenda 3:

Review of Content and Syllabus of Open Electives offered by the School of Performing Arts

The Chairperson of the Board of Studies in Performing Arts explained that the School is offering three Open Electives for PG students and three more Open Electives for UG students of other Schools the syllabus was framed for these Open Electives by the earlier Board of Studies. It is felt that the syllabus of these Open Electives needs a review. Therefore the matter is placed before the Board for discussion and decision. The Board members examined the syllabus and made certain modifications and resolved as under.

Resolution:

All members of the Board of Studies in Performing Arts unanimously resolved and modified the syllabus of Open Electives being offered for PG and UG students of other Schools. The Board also resolved to recommend to the University to adopt modified syllabus of three Open Electives viz., Dramatics, Indian Classical Dance and Vocal Music for PG students (**Annexure - III**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) for UG students (**Annexure - IV**) from the Academic Year 2018-19

Agenda 4:

Introduction of Performing Arts Courses under RULO for UG and PG students and preparation of syllabus

The Chairperson of the Board of Studies in Performing Arts said that as informed to the respected members during introduction REVA University has introduced RULO (REVA Unique Learning Objective) from the academic year 2018-19 under which unique elective courses in the areas of performing arts, sports, yoga etc are being offered and these courses are mandatory for the students of other schools. Hence we will have to decide the Courses and prepare the syllabus to offer performing arts courses under RULO to students of other schools. He requested the members to give their input and prepare the syllabus. All BOS members unanimously appreciated the initiation of the university for making Performing Arts courses mandatory to all students. They discussed in detail, decided the courses to be offered, and prepared the syllabus and resolved as under.

Resolution:

All members unanimously resolved introduce Dramatics, Indian Classical Dance and Vocal Music for PG students (**Annexure - XI**) and Dramatics, Indian Classical Dance, and Percussion Instruments (Tablas and Mridangam) for UG students (**Annexure - XII**) under RULO and recommended to the University to adopt the Syllabus prepared by the Board for these courses, from the Academic Year 2018-19

Agenda 5:

Review of Content and Syllabus of MPA program

The Chairperson of the Board of Studies in Performing Arts explained that the Masters Degree in Performing Arts (MPA) with specialisations in Bharathanatyam and Kuchipudi is being offered by REVA University from 2017-18. The syllabus for MPA has been prepared by the Board of Studies in Performing Arts during previous year and the same has been adopted. It is felt that the syllabus of this program needs a review in view of the introduction of RULO courses in all the programs of REVA University. Therefore the matter is placed before the Board for discussion and decision. The Board members examined the MPA scheme of instruction, detailed syllabus and made certain modifications and resolved as under.

Resolution:

All members of the Board of Studies in Performing Arts unanimously resolved and modified the syllabus of MPA being offered by REVA University. The Board also resolved to recommend to the University to adopt modified Scheme of Instruction, Scheme of Examination and detailed Syllabus of MPA program (**Annexure V, VI, and VII** respectively) from the Academic Year 2018-19.

Agenda 6:

Introduction of Three Year BA Programme with combination of Performing Arts, English and Psychology and preparation of Scheme of Instruction and detailed Curriculum

The Chairperson of the Board of Studies in Performing Arts explained that the University has also proposed to introduce three year BA program with combination of Performing Arts, English and Psychology from the Academic year 2018-19 as there is a demand from students for this combination of subjects. The University has also prepared a model scheme for three year degree programs with specified number of courses in cognate subjects and foundation courses including languages during first, second and third year of studies of the degree program. Therefore the matter is placed before the Board to examine the issue and prepare the detailed syllabus for subjects related to Performing Arts. The Board discussed the issue in detail and appreciated the initiation of the University to offer Performing Arts subjects as one of the combination in three year degree program. The members also discussed the courses to be offered during first, second and third year of this proposed degree program, decided the titles of courses and also prepared the detailed syllabus for these courses and resolved as under.

Resolution:

The Board unanimously resolved to introduce Performing Arts as one of the combination of three year BA degree in REVA University and adopt the scheme of instruction and detailed syllabus (Annexure-VIII & IX respectively) prepared by the Board of Studies in Performing Arts from the academic year 2018-19.

Agenda 7:

Introduction of courses for Ph D course work

The Chairperson explained the structure of course work for Ph D program and requested the members to work on detailed syllabus for two Program Specific Courses, viz., i) Dance and Drama, and ii) Music to offer course work to Ph D scholars in Performing Arts. The members prepared the detailed syllabus and resolved as under:

Resolution:

The Board unanimously resolved to accept the course patten of Ph D course work and recommended to the University to adopt the course structure and the syllabus of all the courses including Dance and Drama and Music (Annexure-X) from the year 2018-19.

Agenda 8:

Preparation of Panel of Examiners for MPA and BA degree program with combination of Performing Arts, English and Psychology

The Chairperson requested the Board Members to propose the names of the external examiners in every subject including Practical for Semester End Examinations of MPA, BA degree program with combination of Performing Arts, English and Psychology, and Diploma in Fine Arts programs and examination for the Certificate Program. The Board prepared panel of examiners for the said program and resolved as under.

Resolution

The Board unanimously resolved to submit the panel of questions for MPA, BA degree program with combination of Performing Arts, English and Psychology and Diploma in Fine Arts program prepared by the Board of Studies in Performing Arts to the Registrar (Evaluation) in a sealed cover



Agenda 8

Review of Question Papers of previous Semesters

The Chairperson of the Board of Studies in Performing Arts explained that the University has commenced offering MPA and Diploma programs in Performing Arts from the academic year 2017-18 and the first semester and second semester examinations of first batch of MPA students and as well first batch of Diploma students has been conducted successfully. The question papers of these examinations are placed before the members of the Board of Studies with a request to review the quality of the question papers and give inputs to improve the quality of the programs being offered by our University. All the members examined the question papers of first and second semester of MPA and also the question papers of three Diploma courses in Performing Arts and resolved as under

Resolution:

All the members of the Board of Studies in Performing Arts after reviewing the question papers of previous year resolved to express that the question paper are set within the prescribed syllabus and maintained the high quality standards.

Agenda 8

Any other matter with the permission of the Chair

The Chairperson said that the School of Performing Arts in REVA University is an upcoming School and therefore called upon the members to give their input to take the School forward and offer quality education in Performing Arts. The members discussed various issues and made the following recommendations.

1. Introduction of a course entitled "Singing for Dance" in three year BA degree program with combination of Performing Arts, English and Psychology
2. Introduction of a courses entitled "Diet and Health for Dancers" under MPA program
3. The nomenclature of the course "Drama" shall be modified as "Theatre Arts"
4. Introduction of "Sanskrit" as one of the language course in three year BA degree program with combination of Performing Arts, English and Psychology
5. while awarding MPA degree the specialisations viz., Bharathanatyam, Kuchipudi as the case may be mentioned in the degree certificate which will carry more weightage and will be of help to the students in their career.
6. More weightage shall be given for practical components in both MPA and three year BA degree programs as Performing Arts is practice oriented discipline of study.
7. The School shall involve senior scholars, practice nurse and retired faculty members of other Universities and use their expertise for the progress of the School of Performing Arts
8. The School shall conduct regularly faculty development programs, workshops, conferences etc., and involve experts from outside the University.

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