

MINUTRES OF THE 38th MEETING OF THE ACADEMIC COUNCIL TO BE HELD

ON 2nd SEPTEMBER,2020(Wednesday) AT 11.00 A.M. IN THE BOARD ROOM, TEZPUR UNIVERSITY

Members present:

- | | |
|---|----------------------------|
| 1. Prof. V.K. Jain, Vice Chancellor | : Chairman (Offline) |
| 2. Prof. D.K. Saikia, Pro Vice Chancellor | : Member (Offline) |
| 3. Prof. Harish Kr. Sharma | : External Member(Online) |
| 4. Prof. N.C. Talukdar | : External Member (Online) |
| 5. Prof. D.K. Bhattacharyya, Dean, Academic Affairs | : Member (Offline) |
| 6. Prof. P.K. Das, Dean, H&SS. | : Member (Offline) |
| 7. Prof. Ramesh Ch. Deka, Dean, SoS | : Member (Offline) |
| 8. Prof. Papori Baruah, Dean, School of Management Scs. | : Member (Offline) |
| 9. Prof. S.K. Sinha, Dean, SoE | : Member (Offline) |
| 10. Prof. Dhanapati Deka, Dean, Students' Welfare | : Member (Online) |
| 11. Prof. P. Nath, Dean i/c, Research and Development | : Member (Offline) |
| 12. Prof. B.K. Danta, Head, Department of English | : Member (Online) |
| 13. Prof. U.K. Das, Head, Department of CE | : Member (Online) |
| 14. Prof. M. Bhuyan,Head, Department of EE | : Member (Online) |
| 15. Prof. Nilakshi Das, Head, Department of Physics | : Member (Online) |
| 16. Prof. C.K. Sharma, Head, Department of Social Work | : Member (Online) |
| 17. Prof. Joya Chakraborty, Head, Department of MCJ | : Member (Offline) |
| 18. Prof. Suryakant Tripathi, Head, Department of Hindi | : Member (Online) |
| 19. Prof. Chandan Goswami, Head, Department of BA | : Member (Online) |
| 20. Prof. D. Das, Director, CODL | : Member (Online) |
| 21. Prof. S.S. Sarkar, Head, Department of Commerce | : Member (Online) |
| 22. Prof. Ruli Borah, Head, Department of Chemical Sciences | : Member (Online) |
| 23. Prof. Munmun Hazarika, Head, Dept. of Math Scs. | : Member (Online) |
| 24. Prof. Robin Doley, Head, Department of MBBT | : Member (Offline) |
| 25. Prof. Nil Ratan Roy, Head, Department of Education | : Member (Online) |
| 26. Prof. Rabin Deka, Head, Department of Sociology | : Member (Online) |
| 27. Prof. Bhogeswar Borah, Head, Department of CSE | : Member (Online) |
| 28. Prof. P.P. Sahu, Head, Department of ECE | : Member (Offline) |
| 29. Prof. Nandan Sit, Head, Department of FET | : Member (Online) |
| 30. Prof. D.C. Baruah,Head, Department of Energy | : Member (Offline) |
| 31. Prof. Tapan K. Gogoi, Head, Department of ME | : Member (Online) |
| 32. Prof. Nayan.M. Kakoty, Head, Department of Design | : Member (Online) |
| 33. Prof. Sarat Saharia, Head, Computer Centre | : Member (Online) |
| 34. Prof. P. Nath, Head, SAIC | : Member (Offline) |
| 35. Dr. P.R. Kumar, Head, Department of Law | : Member (Online) |
| 36. Dr. Subrat J. Neog, Head, Department of Assamese | : Member (Online) |
| 37. Dr. Ashalata Devi, Head, Dept. of EVSc | : Member (Online) |
| 38. Dr. Dipak Nath, Head, Centre for Disaster Management | : Member (Online) |
| 39. Dr. Parasmoni Dutta, Head, Department of Cultural studies | : Member (Online) |
| 40. Dr. Madhurima Goswami, Head, CSCWS | : Member (Online) |
| 41. Dr. Rajeev K. Doley,Director, CID | : Member (Online) |
| 42. Dr. Bhim Pd. Sarmah, Assoc. Professor | :Member (Offline) |
| 43. Dr. Riku Chutia, Asstt. Professor | : Member (Online) |
| 44. Dr. Reetamoni Narzary, Asstt. Professor | :Member (Online) |
| 45. Prof. M. K. Sarmah, Director, TLC | :Spl. Invitee (Online) |
| 46. Prof. N. Deka Baruah, Dept. of Math. Scs | :Spl. Invitee (Online) |

47. Dr. M. Saikia, Librarian
 48. Dr. Biren Das, Registrar
 49. Dr. L. Boral, Controller of Examinations


: Member (Offline)
 : Member (Online)
 : Ex-Officio Member Secretary
 (Offline)

At the very outset, the Registrar, with due permission from the Chair, informed the house about the sad demise of Shri Pranab Mukherjee, former President of India and former Visitor of the University on 31st August, 2020 and read out the condolence message. The house observed one-minute silence for the rest of his soul in peace. The Vice Chancellor welcomed the members. He also offered a warm welcome to all the new members of the Academic Council and expressed his sincere gratitude to the outgoing members of the Academic Council for their valuable contribution in the growth of the University. The Vice Chancellor advised the faculty members to update the information in the University website at a regular interval which is essential for the better ranking of the University.

The Vice Chancellor also informed that Prof. S.P. Singh, Head, School of Energy and Environmental Sciences, Devi Ahilya Vishwavidyalaya and UGC nominee to the Academic Council of the University passed away recently. The house also observed one-minute silence for the untimely demise of Prof. Singh.

The Vice Chancellor called upon the Controller of Examinations to present the agenda items. The agenda items with notes and decisions of the meeting are as follows:

Item No.	Agenda with notes
AC.38/2020/ 1/1.1 Note	Confirmation of the Minutes of the 37th meeting of the Academic Council held on 15th November 2019 The minutes of the meeting of the Academic Council have been circulated to all members for perusal and comments. No comment has been received. Submitted for perusal and consideration of confirmation of the minutes.
Decision	Confirmed.
AC.38/2020/ 1/1.2 Note	Proposal for acceptance the Action Taken Report on the Minutes of the 37th meeting of the Academic Council held on 15th November 2019 Action Taken Report on the decisions of 37 th meeting of the Academic Council is placed at Annexure -I, pp: 1-15 Submitted for perusal and consideration of acceptance.
Decision	Accepted.
AC.38/2020/ 1/1.3	Proposal for acceptance of the Minutes of the 68th meeting of the Research Committee held on 17 August 2020


 Controller of Examinations
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Note	The minutes of the 68 th meeting of the Research Committee is placed at Annexure -I I, pp:16-27 Submitted for perusal and consideration of acceptance.
Decision	Accepted.

Items for approval (AC.38/2020/ 1/2):

AC.38/2020/ 1/2.1	Course structure and syllabi of the Ph. D programme of the Department of Commerce																								
Note	<p>The School Board, School of Management Sciences recommended the following course structure for the Ph.D programme of the Department of Commerce:</p> <table border="1"> <thead> <tr> <th>No</th> <th>Course Code and Name</th> <th>Course type</th> <th>L-T-P-CH- CR</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>RP 799: Research and Publication Ethics</td> <td>Core Course</td> <td>2-0-0-2-2</td> </tr> <tr> <td>2</td> <td>IC701: Research Methodology in Commerce</td> <td>Core Course</td> <td>3-0-1-5-4</td> </tr> <tr> <td>3</td> <td>IC702: Quantitative Modelling</td> <td>Core Course</td> <td>1-0-1-3-2</td> </tr> <tr> <td>4</td> <td>IC 703 Term Paper</td> <td>Core Course</td> <td>1-0-3-7-4</td> </tr> <tr> <td>5</td> <td>IC 704 Trends in Business and Economics Research</td> <td>Elective Course *</td> <td>4-0-0-4-4</td> </tr> </tbody> </table> <p>*Students may be allowed the option to take courses from related Departments offered during the semester subject to recommendation of the Supervisor.</p> <p>The UGC vide notification no. F.1-1/2018(Journal/Care) dated- December 2019 made mandatory to offer a 2 credit course on "Research & Publication Ethics (RPE)" for all Ph.D students as part of their course work. The UGC has also provided syllabus for the course.</p> <p style="text-align: right;">Annexure -III, pp:28-34</p> <p>Submitted for perusal and consideration of approval.</p>	No	Course Code and Name	Course type	L-T-P-CH- CR	1	RP 799: Research and Publication Ethics	Core Course	2-0-0-2-2	2	IC701: Research Methodology in Commerce	Core Course	3-0-1-5-4	3	IC702: Quantitative Modelling	Core Course	1-0-1-3-2	4	IC 703 Term Paper	Core Course	1-0-3-7-4	5	IC 704 Trends in Business and Economics Research	Elective Course *	4-0-0-4-4
No	Course Code and Name	Course type	L-T-P-CH- CR																						
1	RP 799: Research and Publication Ethics	Core Course	2-0-0-2-2																						
2	IC701: Research Methodology in Commerce	Core Course	3-0-1-5-4																						
3	IC702: Quantitative Modelling	Core Course	1-0-1-3-2																						
4	IC 703 Term Paper	Core Course	1-0-3-7-4																						
5	IC 704 Trends in Business and Economics Research	Elective Course *	4-0-0-4-4																						
Discussion	Prof. N.C. Talukdar suggested that Case Study may also be incorporated in the syllabus of "Research & Publication Ethics".																								
Decision	Approved. However, the Department will incorporate list of text books and reference books in the syllabus as per format. The course on Research and Publication Ethics be offered compulsorily to all PhD students as course work of the PhD programme w.e.f. the academic session 2020-21. All the Departments may review the course content of the Research																								

methodology and content of Ethics in research may be segregated out to adjust the total credit requirement up to 16 credits.

AC.38/2020/ 1/2.2

Note

Revised syllabus for the M. Sc in MBBT programme:

The School Board, School of Sciences has recommended the following revised syllabi of the M.Sc in MBBT programme prepared in line with DBT guidelines to be implemented w.e.f. Academic year 2020-21:

Course Structure

Course Code	Course Name	L-T-P	CH	CR	Remarks
Semester I					
BT441	Biochemistry	3-0-0	3	3	Core
BT443	Cell Biology	3-0-0	3	3	Core
BT445	Microbiology	3-0-0	3	3	Core
BT447	Molecular Genetics	3-0-0	3	3	Core
BT449	Basics of Mathematics and Statistics	2-0-0	2	2	DCE
BT451	Basics of chemistry and Physics	2-0-0	2	2	DCE
BT453	Lab-I Biochemistry and Analytical Techniques	0-0-3	6	3	Core
BT455	Lab-II Microbiology	0-0-3	6	3	Core
	Total			22	
Semester II					
BT440	Molecular Biology	3-0-0	3	3	Core
BT442	Immunology	3-0-0	3	3	Core
BT444	Developmental Biology	3-0-0	3	3	Core
BT446	Bioinformatics	2-0-1	5	3	DCE
BT448*	Genomics and Proteomics	3-0-0	3	3	DCE
BT454	Biophysical methods and emerging technologies	2-0-0	2	2	DCE
BT450	Lab-III Molecular Biology	0-0-3	6	3	Core
BT452	Lab-IV Immunology	0-0-3	6	3	Core
	Total			23	
Semester III					
BT457	Genetic Engineering	3-0-0	3	3	Core
BT459	Molecular Diagnostics	2-0-0	2	2	
BT461	Bioprocess Engineering and Technology	3-0-0	3	3	Core
BT463/ BT465/ BT467/477/ 479/499	Elective- I/ Plant/Animal/Microbial biotechnology/Computational Biology/Nanobiotechnology/e nvironmental biotechnology	3-0-0	3	3	DCE
BT469	Intellectual Property rights, Biosafety and Bioethics	2-0-0	2	2	DCE
BT471	Lab-V Genetics Engineering	0-0-3	6	3	Core
BT473	Lab-VI Bioprocess Engineering and Technology	0-0-3	6	3	Core

BT475	Critical analysis of classical papers and scientific communication skills	0-1-1	2	2	DCE
Total				21	
Semester IV					
BT462	Project	0-0-40	40	20	Core
BT466	Bioentrepreneurship	2-0-0	2	2	Core
Total				22	

The syllabi incorporated the programme objective, learning outcome & course objectives

Annexure -IV, pp:35-71

Submitted for perusal and consideration of approval.

Decision

Approved.

AC.38/2020/ 1/2.3

Note

Reshuffling of the courses of MA in Cultural Studies programme
The School Board, School of Humanities & Social Sciences has recommended the proposal of the Department of Cultural Studies for reshuffling of the following courses of MA in Cultural Studies w.e.f Autumn semester 2020-21 as follows:

Sl.No.	Name of the Courses	Reshuffling
1	CT427: Cultural Policy	4 th sem to 3 rd sem
2	CT524: Fundamentals of Photography & Documentary	3 rd sem to 4 th sem
3	CT527: Reading India through the Cinematic Lens	4 th sem to 3 rd sem

Annexure -V , pp:72-79

Submitted for perusal and consideration of approval.

Decision

Approved.

AC.38/2020/ 1/3.0

Items for Ratification

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Controller of Examinations
Tezpur University
Tezpur, Assam

AC.38/2020/ 1/3.1

Note

Proposal of the Department of Commerce for offering MOOCs of SWAYAM Platform

The School Board, School of Management Sciences has recommended the proposal of the Department of Commerce for offering of following MOOC courses of SWAYAM platform with transfer of credit in the Autumn Semester 2020-21:

Course Code	Name of the Course	Host Institution	Credit to be accepted	Duration
IC382 CS 350	Computer Networks	Devi Ahilya Viswavidyalaya, Indore	3	12 weeks
IC383 CS 351	Course in Information technology	Savitribhai Phule Pune University	3	8 weeks
IC 384	Fitness management	Manipur University	3	8 Weeks
IC385	Introduction to Political Ideologies: Contexts I dead and Practices	IIT Madras	3	12 weeks
IC386	Management of Commercial Banking	IIT Kharagpur	3	12 weeks
IC 387	Retail Management	Devi Ahilya Viswavidyalaya, Indore	3	12 weeks

Annexure -VI, pp:80-103

Subject to ratification by the AC, the courses have been offered in the current semester with approval of the competent authority.
Submitted for perusal and consideration of ratification.

Decision

Ratified. However, as a policy MOOCs be offered only after first semester in all Master programmes other M.Tech and after 4th semester in B. Tech and Integrated M.Sc programmes.

A course co-ordinator be appointed by the concerned Head of the Department for each MOOC offered by the Department.

Further, MOOC may also be offered as Open elective course.

AC.38/2020/ 1/3.2

Note

Proposal for offering of MOOCs by the FET, ME, EE and Civil Engineering Under the School of Engineering:

The School Board, School of Engineering has recommended the following MOOCs to offer by the Departments of FET, ME, EE, and Civil Engineering under School of Engineering in the Autumn semester, 2020-21:

Dept. of FET			
Course Code	Course Details	Duration (Weeks)	Credit
FT492	Foundation of computational fluid Dynamics	8	2

FT493	Functional foods and Nutraceuticals	15	4
FT494	Chemical Engineering thermodynamics	12	3
FT495	Chemical Reaction Engineering I	12	3
FT696	Academic writing	15	4
Dept. of ME			
ME46 2	Automation in Manufacturing	12	3
ME46 3	Heat Exchangers; Fundamentals and Design Analysis	12	3
ME46 4	Principles of Metal Forming Technology	8	2
ME46 5	Bio MEMS and Microfluidics	8	2
ME46 6	Product design and development	4	1
Dept. of EE			
Course Code	Course Details	Duration (Weeks)	Credit
EE 605	Applied electromagnetics for engineers	12	3
EE 606	Numerical methods for Engineers	12	3
EE 607	Probability foundation for Electrical engineers	12	3
CS670	Deep learning	12	3
EE609	Fundamentals of Artificial intelligence	12	3
EE610	Solar energy engineering and technology	12	3
EE611	Design of photovoltaic system	12	3
Dept. of CIVIL			
Course Code	Course Details	Duration (Weeks)	Credit
CE461	Municipal Solid Waste Management	12	3

Subject to the ratification of the Academic Council, the Vice Chancellor has approved the proposal and offered in the Autumn Semester, 2020-21.

Annexure -VII, pp:104-142

Submitted for perusal and consideration of ratification.

Decision	Ratified.
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AC.38/2020/ 1/3.3	Proposal of the Department of Physics for offering MOOCs:
Note	The School Board, School of Sciences has recommended the proposal of the Department of Physics for offering of the following MOOC courses under SWAYAM – NPTEL portal to be offered for the students of IV semester Integrated M. Sc in Physics programme w.e.f. Spring semester 2019-20:

Sl.No.1	TU Course Code	Course Name	Credits
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1	PI 231	Introduction to Atmospheric and Space Sciences	3
2	PI 232	Physics through Computational Thinking	2

Annexure-VIII , pp:143-

151

Subject to ratification by the Academic Council, the Competent Authority has accorded approval and accordingly offered the courses.

Submitted for perusal and consideration of ratification.

Decision

Ratified.

AC.38/2020/ 1/3.4
Note

Proposal for offering of MOOCS course in the Department of Mathematical Sciences

The School Board, School of Sciences has recommended the proposal of the Department of Mathematical Sciences to offer the following MOOCs for the M.Sc in Mathematics and Integrated M.Sc in Mathematics programme in the Spring Semester 2019-20:

Course Title: "Introduction to Algebraic Geometry and Cumulative Algebra".
 Course Code: MS 589 (for M.Sc in Mathematics) & MI 589(for Integrated M.Sc in Mathematics programme)
 Course type: DSE (Discipline Specific Elective)
 Credit: 4

Annexure -IX, pp:152-

158

Subject to ratification by the Academic Council, the Competent Authority has accorded approval and accordingly offered the courses.

Submitted for perusal and consideration of ratification.

Decision

Ratified.

AC.38/2020/ 1/3.5
Note

Proposal of the Department of Cultural Studies for offering MOOCs of SWAYAM platform

The School Board, School of Humanities & Social Sciences has recommended the proposal of the Department of Cultural Studies for offering of following two courses of SWAYAM platform in lieu of Open Elective Courses in the Spring semester 2019-20:

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Sl.No.	Course Code	Course Title	Instructor & Institution	Credit
1	HS401	Literature, Culture & Media	Prof. Rashmi Gaur, IIT Roorkee	3
2	HS402	Introduction to Cultural Studies	Prof. Avishek Parui, IIT Madras	3

Annexure -X, pp:159-163

163

Subject to ratification by the Academic Council, the Competent Authority has accorded approval and accordingly offered the courses.

Submitted for perusal and consideration of ratification.

Decision

Ratified.

AC.38/2020/1/3.6

Note

Proposal for offering Open Elective Courses by the Departments of Energy, Design and ECE

The School Board, School of Engineering has recommended the following new open elective courses to be offered in the Autumn semester 2020-21 by the Departments of Energy, Design and ECE:

Sl.No.	Course Code	Course Title	Department	Credit
1	EN 552	Climate change mitigation and energy management for crop-based livelihood	Energy	L-T-P-CH-CR 3-0-0-3-3
2	DD301	Introduction to Design	Design	L-T-P-S-CH-CR 1-0-0-2-3-3
3	EL 542	Advanced Power electronics	ECE	3-0-0-3,3

Subject to the ratification by the Academic Council, the Vice Chancellor approved the proposal and offered in the Autumn Semester, 2020-21.

Annexure -XI, pp:164-184

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Submitted for perusal and consideration of ratification.

Decision

Ratified. The Department of Design was also requested to consider making the course available to none- B.Tech. programmes too.

AC.38/2020/ 1/3.7

Note

Proposal of the Department of Electrical Engineering for offering new courses for the Ph.D programme

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The School Board, School of Engineering has recommended the proposal of the Department of Electrical Engineering to offer the following new courses in the Ph.D. programme w.e.f. Autumn Semester 2020-21:

Sl. No.	Course Code	Course Title	Credit L-T-P-Cr, CH
1	EE702	Nonlinear Dynamics and Chaos	2-1-1-4, 5
2	EE703	Fractional order Control System	2-1-1-4, 5
3	EE704	Transducer and Sensor Technology	2-1-1-4, 5
4	EE705	Embedded System and IoT	2-1-1-4, 5
5	EE708	Advance Power Electronics and drives	3-1-0-4, 5
6	EE709	Control Techniques in Power Electronics	3-1-1-5, 5
7.	EE 700	Seminar	0-0-1,1

Subject to the ratification by the Academic Council, the Vice Chancellor has accorded approval for offering the courses.

Annexure -XII, pp:185-203

Submitted for perusal and consideration of ratification.

Decision

Ratified.

AC.38/2020/ 2/3.8
Note

Revised eligibility criteria for admission to M. Tech in FET programme through GATE

School Board, School of Engineering has recommended the proposal of the Department of the FET to revise the following eligibility criteria for admission to M. Tech in FET programme through GATE (Direct Admission) w.e.f. Autumn Semester 2020-21:

Existing eligibility criteria:

Candidates having valid GATE score (i) For GATE holder with Food Technology as one of the optional subjects: 100% weightage for GATE Score.(ii) For GATE holder without food technology as one of the optional subject: GATE score (70% weightage) TUEE score (30% weightage).

Revised eligibility criteria:

Candidates having valid GATE score and with 'Food Technology' as one of the optional subjects in GATE examination will only be considered against GATE seats

	<p>for direct admission with GATE fellowship from AICTE. GATE seats remaining vacant will be filled up through Tezpur University Entrance Examination (TUEE).</p> <p>Eligibility criteria for Non-GATE candidates will remain unchanged.</p> <p style="text-align: right;">Annexure -XIII, pp:204-207</p> <p>Subject to the ratification by the Academic Council, the revised eligibility criteria have been implemented with the approval by the Competent Authority.</p> <p>Submitted for perusal and consideration of ratification.</p>
Decision	Ratified for the academic year 2020-21 with a condition that the eligibility criteria be reviewed for next academic year so that the multi-disciplinary character of the programme is not lost.
AC.38/2020/ 1/3.9	<p>Revised eligibility criteria for admission to M.A. in Hindi programme</p> <p>The Dean, School of Humanities & Social Sciences has recommended the following modifications in the eligibility criteria for admission to MA in Hindi programme:</p> <p>'Bachelor of Arts degree with at least 45% marks in Major/Honours in Hindi from a recognized University. Candidates not having Major/Honours in Hindi but having elective in Hindi with at least 50% of Marks in aggregate'.</p> <p>Subject to the ratification by the Academic Council, the revised eligibility criteria have been implemented with the approval by the Competent Authority.</p> <p style="text-align: right;">Annexure XIV, pp:208-209</p> <p>Submitted for perusal and consideration of ratification.</p>
Decision	Ratified.
AC.38/2020/ 1/3.10	<p>Revised course structure of the Department of Environmental Science</p> <p>The School Board, School of Sciences has recommended the proposal of the Department of Environment Science to shift one course(ES559: Environmental Physics) from 2nd semester to 1st semester and another course(ES 573: Environmental Extension and Field Survey) from 3rd semester to 2nd semester in the M. Sc in Env. Science programme.</p> <p>The students will register Open Elective Course in the 2nd Semester and 3rd Semester as per the revised structure. Earlier, the students were to register the open elective course in the 1st semester itself.</p> <p>Revised course structure placed at Annexure –XV, pp:210-214.</p> <p>Subject to the ratification by the Academic Council, the revised course structure have been implemented with the approval by the Vice Chancellor.</p>

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Submitted for perusal and consideration of ratification.

Decision

Ratified.

AC.38/2020/ 1/3.11

Proposal of the Department of Physics for offering dual Specialisation and revision of syllabus

Note

The School Board, School of Sciences has recommended the proposal of Board of Studies of the Department of Physics for (i) introduction of dual specialisation in M. Sc in Physics and Integrated M. Sc in Physics Programme and (ii) minor revision in the syllabi of some courses w.e.f. Autumn Semester 2020-21:

i. List of dual specialisation courses:

Sl. No.	Course code	Course name	Name of Specialization
1.	PH-416/PI-416	Condensed Matter Physics and Material Science	Condensed Matter Physics & Nanoscience
	PH-539/PI-510	Advanced Condensed Matter Physics and Materials Science/ Advanced Material Science	
	PH-562/PI-562	*Quantum Effects in Low Dimensional Systems	
	PH-563/PI-563	*Physics of Nano Devices	
2.	PH-416/PI-416	Condensed Matter Physics and Material Science	Condensed Matter Physics & Photonics
	PH-539/PI-510	Advanced Condensed Matter Physics and Materials Science/ Advanced Material Science	
	PH-557/PI-557	Photonics	
	PH-559/PI-559	Nanophotonics	
3.	PH-540/PI-540	*Particle Physics	High Energy Physics & Astrophysics
	PH-519/PI-501	Quantum Field Theory &	
	PH-564/PI-564	*Introductory Astrophysics	
	PH-565/PI-565	Elements of GTR and Cosmology	
4.	PH-564/PI-564	Introductory Astrophysics	Astrophysics & Plasma Physics
	PH-565/PI-565	*Elements of GTR and Cosmology	
	PH-545/PI-521	Fundamental of Plasma Physics	
	PH-547/PI-525	Nonlinear Plasma Physics	
5.	PH-545/PI-521	Fundamental of Plasma Physics	Plasma Physics & High Energy Physics
	PH-547/PI-525	Nonlinear Plasma Physics	
	PH-540/PI-540	Particle Physics	
	PH-519/PI-501	Quantum Field Theory	
6.	PH-557/PI-557	Photonics	Photonics & Electronics
	PH-559/PI-559	Nanophotonics	
	PH-524/PI-507	Digital Signal Processing	
	PH-523/PI-517	Microwave Systems and Antenna Propagation	
7.	PH-522/PI-508	Communication System	

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PH-523/PI-517	Microwave Systems and Antenna Propagation	Electronics & Communication
PH-524/PI-507	Digital Signal Processing	
PH-525/PI-516	Microprocessors and Digital Signal Processing Based Systems	

*The new syllabi.

ii. Minor revision of Elective Courses

Sl. No	Course Code	Course Name	Credits (L-T-P-CH-CR)
1	PH-519/PI-501	Quantum Field Theory	2-1-0-3-3
2	PH-557/PI-557	Photonics	2-1-0-3-3
3	PH-416/PI-416	Condensed Matter Physics & Material Science	2-1-0-3-3
4	PH-539/PI-510	Advanced Condensed Matter Physics & Materials Science/Advanced Material Science	2-1-0-3-3
5	PH-554/PI-554	Soft Condensed Matter Physics	2-1-0-3-3
6	PI-307	Basic Material Science	2-1-0-3-3

iii. New Elective Courses for Ph.D programme

Sl.No.	TU Course Code	Course Name	Credits (L-T-P-CH-Cr)
1	PH 728	Statistical Methods and Data Analysis Techniques	2-1-1-5-4

Subject to the ratification by the Academic Council, the revised course structure and new courses have been implemented with the approval by the Vice Chancellor.

Annexure -XVI, pp:215-255

Submitted for perusal and consideration of ratification.

Decision

Ratified.

AC.38/2020/ 1/3.12

Note

Proposal of the Department of the Chemical Sciences for revision of Course Structure

The School Board, School of Sciences has recommended the revised course structures of the M. Sc in Chemistry, Integrated M. Sc in Chemistry, Integrated B.Sc. B. Ed in Chemistry programme w.e.f. Spring Semester 2020.

i. In the Syllabus of the M.Sc in Chemistry and Integrated M.Sc in Chemistry the Code of the Course " Chemistry of materials" is changed from CH512 to CH536 and from CI512 to CI536 due to shift from Elective II to Elective III to be offered on 4th semester.

- ii. In the B.Sc. B.Ed. programme the course codes of some courses of 3rd to 6th semester have been changed.
- iii. The course name of CI 312 offered in the Integrated M.Sc in Chemistry in 4th semester has been changed from Polymer Chemistry to Introduction to Polymer Chemistry.

The School Board has also recommended the revised syllabi of the following of two elective courses of M.Sc / Integrated M.Sc in Chemistry :

Sl. No	Course Name		Credits (L-T-P-CH-CR)	Remark
1	CH 532/CI 532	Chemistry of Paints & Surface Coating Technology	3-0-0-3-3	DSE(Elective-I)
2	CH 534/CI 534	Industrial Polymer	3-0-0-3-3	DSE(Elective-II)

The department has obtained experts comments and incorporated.

Annexure -XVII, pp:256-282

Subject to the ratification by the Academic Council, the revised course structures have been implemented with the approval by the Vice Chancellor.

Submitted for perusal and consideration of ratification.

Decision

Ratified.

AC.38/2020/ 1/3.13

Note

Pre-requisites for admission to Ph.D programme in the Departments of Commerce, Electrical Engineering and Chandra Prabha Saikiani Centre for Women Studies

The School Boards of the concerned Schools have recommended the Pre-requisites for admission to Ph.D programme in the departments of Commerce and Electrical Engg, and Centre for Women Studies w.e. f. the Academic Session 2020-21:

Department/ Centre	Pre-requisite
Commerce	1. M.Com., 2. M.A./M.Sc. in Economics, 3. FCA/ FCMA/ FCS.
Electrical Engineering	(a) ME/MTech/MS in Electrical/ Electronics/Communication/ Power System/Power Electronics/ Instrumentation/Control/ Computer Science & Engineering/ MBBS with MD/MS and any other relevant discipline. (b) BE/BTech with 75% marks in aggregate or equivalent CGPA with a valid GATE Score. Minimum two recommendation Letters from the Institute/ University from where B.E./B.Tech degree was obtained.
Chandraprabha Saikiani Centre	Master's degree with at least 55% marks in Women Studies/ Humanities/ Social Sciences with consistently good

	for Women Studies	academic record. Candidates with master's degree in Humanities and Social Sciences having one course in the area of women studies will be preferred. Annexure -XVIII, pp:283-289
		Subject to the ratification by the Academic Council, the pre-requisites have been implemented for admission to the PhD programme in the Autumn Semester 2020 with the approval by the Competent Authority. Submitted for perusal and consideration of ratification.
Decision		Ratified. However, admission to the Centre for Women Studies be kept in hold till the time of extension of the Centre is received from the UGC.
AC.38/2020/ 1/3.14		Partial Fee Waiver for the continuing students for the Autumn Semester, 2020-21
Note		The continuing students through Student Council and individually appealed to University to reduce the amount of the fee for enrolment in the current semester due to financial hardship faced by their parents because of the Covid-19 pandemic and devastating flood. Subject to ratification by the Academic Council the competent authority approved the partial waiver of some of the fees for the Autumn semester, 2020 (continuing students) as given below with a condition that the students will pay full amount if they return to the campus during the semester: <ol style="list-style-type: none"> 1. Transport fee, medical fee, laboratory (including computer uses), Hostel admission, Fan electricity & water charges are not charged as the services are not used. 2. Consumable Charges of the Department of FET, Energy, Chemical sciences, MBBT, Environmental Science and Fee for outdoor activities of MTTM program are not charged. 3. Library fee, Development fund fee, Infrastructure and amenity fee are reduced partially. <p>The reduced fee structure of the Autumn semester, 2020 for continuing students is given in the Annexure -XIX, pp:290-291</p> Submitted for perusal and consideration of ratification.
Decision		Ratified.
AC.38/2020/ 1/3.15		Changes in teaching, learning and assessment process in the Spring Semester, 2019-20
Note		The University asked the students to vacate the hostels on 18.03.2020 due to Covid-19 pandemic. They could not return to the campus during the Spring Semester, 2020 due to subsequent declaration of lock down by the Central and state Governments. However, the teaching learning process continued through e-mode. Prior to the

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leaving the University by the students the Midterm was partly completed. The Mid term test of the remaining courses and End term examination were done together in online mode.

The meeting of the Deans and Heads of the Departments held on 20.5.2020 resolved the following the modalities for the assessment in the Spring Semester, 2019-20:

1. The project viva shall be conducted in online mode.
2. The course instructor shall plan the online/electronic- mode examination with dates of assessment/examination and obtain approval of the concerned DAC.
3. If any student fails to take the online examinations due to poor network connectivity or other genuine reasons, there shall be one repeat online examination.
4. The duration of the online examination shall be of at most 2 hours.
5. For the online /e-mode assessment the course instructors shall use google classroom or Moodle.

Annexure -XX, pp:292-295

Submitted for perusal and consideration of ratification.

Decision

Ratified. The Council expressed high appreciation of the tremendous effort put in by the faculty and staff for conducting the curriculum delivery and assessment process in the e-mode despite limitations in the infrastructure and lack of prior experience. The council also appreciated the co-operation extended by the students.

AC.38/2020/ 1/3.16

Note

(i) **Modality for Assessment and (ii) revised Academic Calendar for the Autumn Semester, 2020-21 (continuing students)**

1. In view of fact that curriculum delivery is to be made through e- mode in the Autumn Semester, 2020-21 due to COVID-19 pandemic, a committee with Prof. N. Deka Baruah was constituted to revise and recommend modalities for assessment in the Autumn Semester, 2020-21 (Continuing students). The Dean's committee in its meeting held on 04.08.2020 recommended the report of the committee and the competent authority has accorded approval. The modalities have been notified.

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Annexure- XXI, pp: 296-

2. Another committee with Prof. M.K. Sarma as Chairman was constituted to revise the Academic Calendar for Autumn Semester, 2020-21 (continuing students). The revised Academic calendar with Approach Note has been recommended by the Deans' committee with a suggestion of minor corrections. The recommended Academic calendar (with minor changes) with Approach Note has been notified after approval of the Vice- Chancellor.

Annexure- XXII, pp:304-307

Submitted for your perusal and consideration of ratification.

Decision	<ol style="list-style-type: none"> 1. Ratified the Modalities for assessment with an observation that the last date of completion of Sessional test I be changed from 11September to 18 September. 2. The Academic calendar of continuing students be modified as per discussion in the meeting and approval be obtained from the Vice Chancellor. 3. The Academic calendar for the Fresh batch of students be prepared by the same committee. 4. Classes will be conducted in online mode for the entire semester even if the university is open for the students. However, classes of both the batches of students will be converged in the next semester.
AC.38/2020/ 1/3.17 Note	<p>Result of the Spring Semester End Examinations, 2019-20</p> <p>The Semester End Examinations of the Spring Semester, 2019-20 were conducted in e- mode during 15th June , 2020 to 15th July, 2020 (the exams of final semester B. Tech in Civil Engineering was conducted on 10.06.2020) as the students were not on the campus due covid-19 pandemic and results were declared on 31 July, 2020. The statements of results of the outgoing students and continuing students are placed at Annexure- XXIII pp: 308-314.</p> <p>Submitted for your perusal and consideration of ratification.</p>
Decision	<p>Ratified. Members noted that the large number of students were put under 'I' (Incomplete) grade due to non-completion of Practical Examinations and suggested the following:</p> <ol style="list-style-type: none"> 1. All 'I' grades be converted to 'X' (extended) grade and revised result with SGPA and CGPA be prepared based on the regular grade. 2. All the Departments under the Schools of Engineering and Sciences should explore the possibility of conducting the practicals through virtual lab. <p>The Council expressed happiness that the examinations could be completed by 15th July, 2020 and the results could be published without much delay.</p>
AC.38/2020/ 1/3.18 Note	<p>Change in selection procedure for admission to various programmes of study</p> <p>The University could not conduct the Entrance Examination for admission to various programmes of study for the Academic session 2020-21 due to Covid-19 pandemic. As per decision of the Admission Committee and TUEE committee meetings held on 01.07.2020 and 13.07.2020, selection of candidates for admission will be made on the basis of marks of the qualifying examinations.</p> <p>Minutes of the meetings approved by the Chairman, Admission Committee are placed at Annexure-XXIV, pp:315-319</p> <p>Submitted for perusal and consideration of ratification.</p>
Decision	<p>Ratified.</p>


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Proposals of different Departments for Programme Educational Objectives, Programme Outcome and Course Objectives/Outcome

The Board of Studies of concerned Schools have recommended the Programme Educational Objectives and Programme Outcome of the following programmes:

1. Department of Chemical Sciences

- i. PhD courses (syllabi of the courses with Learning outcome)
- ii. B.Sc. B.Ed (Chemistry) (syllabus with PO and Learning objectives of courses)
- iii. Integrated M.Sc. in Chemistry (syllabus with PO and Learning objectives of courses)
- iv. M.Sc. in Chemistry (syllabus with PO and Learning objectives of courses)

2. Department of Molecular Biology and Biotechnology

- i. Integrated M.Sc. in Life sciences (syllabus with programme objectives and course objectives)

3. Department of Environmental Science

- i. M.Sc. in Environmental Science (syllabus with PO and learning course objectives and course outcome)

4. Department of Physics

- i. M.Sc. in Physics (course structure with PO and LO)
- ii. Integrated M.Sc. in Physics (course structure with PO and LO)
- iii. Integrated B.Sc. B.Ed (Physics) (course structure with PO and LO)

5. Department of Mathematical Sciences

- i. PhD courses – two new elective courses with course objectives

6. Department of Business Administration

- i. Master of Business Administration (programme outcome and learning outcome)
- ii. Master of Tourism and Travel Management (MTTM) (programme outcome and learning outcome)

7. Department of Commerce

- i. Integrated M.Com (PO and LO mapping matrix)

8. Department of Social Work

- i. M.A. in Social Work (revised syllabus PO, course objective and course outcome)

9. Department of Mass Communication and Journalism

- i. MA in MCJ (revised syllabus PO, course objective and course outcome)
- ii. MA in *Communication for Development* (revised syllabus PO, course objective and course outcome)

10. Department of electronics and Communication Engineering

- i. M.Tech in Electronics and Design Technology (PO and PEO)
- ii. M.Tech in Bioelectronics (PO and PEO)

AC.38/2020/1/ 4.1

Note

	<p>11. Department of Computer Science and Engineering</p> <ol style="list-style-type: none"> 2 year MCA programme (course structure, PO and PEO) with proposal to reduce the duration from 3-year to 2-year. M.Tech in IT (course structure, PO and PEO) M.Tech in CSE (course structure, PO and PEO) B.Tech in CSE (Revised syllabi with PO, PEO and course outcome) <p>12. Department of Electrical Engineering</p> <ol style="list-style-type: none"> B.Tech in Electrical Engineering (PO and Learning outcome of courses) PhD in Electrical Engineering (Learning outcome of courses) <p>13. Department of Energy Technology</p> <ol style="list-style-type: none"> M.Tech in Energy technology (PO, PEO and LOs of courses) <p>14. Department of Food engineering and Technology</p> <ol style="list-style-type: none"> M.Tech in food Engineering and Technology (PO, and PEO) B.Tech in Food Engineering and Technology PO,PEO, LO with syllabus) <p>15. Department of Civil Engineering</p> <ol style="list-style-type: none"> B.Tech in Civil Engineering (PO and PEO) M.Tech in Civil Engineering (PO and PEO) <p>16. Department of Applied Sciences</p> <ol style="list-style-type: none"> B.Tech (Course objectives and LOs) <p>17. Department of Mechanical Engineering</p> <ol style="list-style-type: none"> B.Tech in Mechanical Engineering (PO,PEO and Course outcome) M.Tech in Mechanical Engineering (PO,PEO and Course outcome) <p>Submitted for discussion and consideration of approval.</p>
Decision	<ol style="list-style-type: none"> Approved in principle. A committee is constituted with Prof. D.K. Bhattacharyya, Prof. R. R. Hoque, Prof. D.C.Baruah and Controller of Examinations as Convener to verify the Programme Outcome and Learning Outcome of the syllabi and recommend to the Vice Chancellor. The Vice Chancellor is authorized to approve the recommendation of the Committee. Approved the proposal for offering 2- year MCA programme with syllabi in lieu of 3-year programme in view of the advisory issued by the AICTE vide No. AICTE/AB/MCA/2020-21 dated 03.07.2020. The 2-year programme be started w.e.f. the Academic Session 2020-21.

As there was no other item to discuss, the meeting ended with Vote of thanks to and from the Chair.


7/9/20
(L. Boral)

Controller of Examinations & Member Secretary


7/9/20
(Prof. V.K. Jain)

Vice Chancellor & Chairman of AC