Office of the Registrar

GIRIJANANDA CHOWDHURY UNIVERSITY, ASSAM

Main Campus: Hatkhowapara, Azara, Guwahati-781017

Constituent Campus: Kunderbari Rd, Dekargaon, Tezpur-784501

Minutes of the eleventh meeting of the Academic Council

Girijananda Chowdhury University, Assam

Date: 17th November 2025 (Monday)
Time: 10:30 a.m.
Venue: Conference room
(Ground floor, Main Academic Building)

The following members were present in the meeting:

1. Mr. Jasodaranjan Das-President, SSA Society
2. Prof. Kandarpa Das- Vice-Chancellor
3. Mr. Bijoyananda Chowdhury-Secretary, SSA Society – Attended Online
4. Ms. Sujata Chowdhury- Member, SSA Society– Attended Online
5. Mr. Arupananda Chowdhury, Joint Secretary, SSA Society (Special Invitee)
6. Ms. Kunki Chowdhury -Member, SSA Society– Attended Online
7. Dr. Geeta Dutta Baruah-Principal, SSA Senior Secondary School – Attended Online
8. Prof. Dipankar Saha, Registrar
9. Prof. Amar Saikia- Dean (Academics)
10. Mr. Kishor Kumar Choudhury- COE
11. Prof. Sunayan Bordoloi- Dean, School of Natural Sciences
12. Prof. S. Robert Ravi-Dean, School of Engineering and Technology
13. Prof. Shantanu Chakraborty- Dean, School of Humanities & Social Sciences
14. Prof. Gour Gopal Banik- Dean, School of Management & Commerce
15. Dr. Suman Hazarika
16. Dr. Abdul Baquee Ahmed-Principal, School of Pharmaceutical Sciences, Tezpur campus
17. Dr. Bhanu P Sahu-Dean, School of Pharmaceutical Sciences
18. Dr. Damiki Laloo-Head, Department of Pharmacognosy
19. Dr. Vidhya Srinivasan- Head, Department of MLT
20. Dr. Minakshi Gogoi-Head, Department of Computer Science and Engineering
21. Dr. Mukta Ranjan Singha, Head- Department of Computer Applications
22. Dr. Nilanjana Deb-Head, Department of Business Administration
23. Dr. Anindita Bora-Head, Department of Electronics and Communication Engineering
24. Dr. Rachel Kabi- Head, Department of Sociology and Social Work
25. Dr. Lipi Goswami- Head(i/c), Department of Physics

26. Dr. Jun Moni Kalita- Head, Department of Pharmaceutical Chemistry
27. Dr. Madhumita Mahanta- Head(i/c), Department of Mathematics
28. Dr. Swarnali Pathak- Head(i/c), Department of Chemistry
29. Dr. Sampurna Bhuyan –Head(i/c), Department of Economics
30. Dr. Sandip Bordoloi-Head, Department of Electrical Engineering
31. Dr. Debarshi Mallick- Head, Department of Mechanical Engineering
32. Manashi Devi- Head(i/c), Department of English and Foreign Languages
33. Dr. Puja Sen - Head (i/c), Department of Mass Communication and Journalism
34. Dr. Nijumoni Das – Head (i/c), Department of Law
35. Dr. Manoj Khaund- Head (i/c), Dept. of Commerce
36. Dr. Palakshi Sharma- Head (i/c), Dept. of Psychology
37. Dr. Bhaswati Sarmah- Head (i/c), Dept. of Political Science

Dr. Barsha Chhetri-Head (i/c), Department of Education was granted leave of absence, due to preoccupation.

AGENDA

Sl. No.	Agenda no	Agenda Items
1	AC.11/2025-11/01	*Welcome Address* and *Appraisal Report* by the Vice Chancellor.
2	AC.11/2025-11/02	Approval of the Minutes of the tenth meeting of the Academic Council.
3	AC.11/2025-11/03	Action Taken Report on the Minutes of the tenth meeting of the Academic Council.
4	AC.11/2025-11/04	Approval of the Minutes of Board of Studies: • School of Engineering & Technology • School of Humanities & Social Sciences • School of Allied Health Sciences
5	AC.11/2025-11/05	Approval of the Regulation and Course for 1-Year PG Programme (M.Sc. in Data Science) to be introduced under the Centre for Multidisciplinary Studies
6	AC.11/2025-11/06	Proposal for Introducing Dual Degree B.Tech. - MBA Programme (4+1)
7	AC.11/2025-11/07	Restructuring and Renaming of programmes and approval of new programmes

8	AC.11/2025-11/08	Restructuring & Renaming of programmes in School of Allied Health Sciences
9	AC.11/2025-11/09	Approval of PhD supervisors
10	AC.11/2025-11/10	Approval of Programme Committees (PC) and Departmental Advisory Committees (DAC)
11	AC.11/2025-11/11	Approval of Formative Assessment SOP
12	AC.11/2025-11/12	Any other matter.

At the outset, Professor Kandarpa Das, Vice-Chancellor called the meeting to order.

AC.11/2025-11/01:
Welcome Address and Appraisal Report by the Vice Chancellor.

The Vice-Chancellor, Prof. Kandarpa Das, extended a warm welcome to all members of the Academic Council and expressed his appreciation for their continued guidance and commitment to strengthening the academic and administrative progress of the University. He then presented a comprehensive appraisal of major developments since the last Academic Council meeting held on 11th April 2025. The Vice-Chancellor reported the appointment of two Professors of Practice, Dr. Bibhab Kr. Talukdar and Mr. Bibhu Bhuyan and the recruitment of 20 new faculty members across various disciplines, including one Professor and 19 Assistant Professors, thereby strengthening the teaching and research ecosystem of the University. Highlighting advancements in ranking and accreditation, he informed the Council of the extension of AICTE approvals for UG, PG, and Working Professional courses for the academic year 2025–26, the extension of PCI approvals for D.Pharm, B.Pharm, M.Pharm, and B.Pharm (Practice) programmes up to 2025–26, and the re-accreditation of the School of Pharmaceutical Sciences (SOPS) with NBA status for its Undergraduate programme for the period 2025–26 to 2027–28. He also noted the successful NBA team visit conducted from 24th to 26th October 2025. He further apprised the Council that the BA LLB programme under the Centre for Legal Studies received approval from the Bar Council of India on 16th July 2025. Prof. Das reported the launch of the School of Agriculture and Allied Sciences at the Tezpur Campus, which has appointed six faculty members and admitted seven students in its first cycle. He then briefed the Council on a series of major academic and co-curricular activities, including the Moot Court inauguration and competition, the Workshop on MOOC Development for SWAYAM (which resulted in the creation of 23 introductory videos), the Summer Internship Programmes across departments, the University's 3rd Foundation Day celebration, GCU MUN 2025, Russian Language Day celebration, the Wildlife Photography Workshop, and the Rural Learning and Community Engagement Camp.

In terms of student achievements, the Vice-Chancellor proudly highlighted the participation of Ms. Jyotishma Medhi and Mr. Ayon Chila Oja at the World Youth Festival Assembly held from 17–21 September 2025 in Nizhny Novgorod, Russia; the participation of the GCU Kabaddi Team in the AIU East Zone Inter-University Kabaddi Tournament at Dr. C.V. Raman University, Chhattisgarh; and the Runner-Up position secured by the GCU Girls' Kabaddi Team at SPIRIT 2025 organized by IIT Guwahati. He also spoke about the international recognitions received by Mr. Suman Kumar and Ms. Mayuri Sarmah Mazinder (PhD Scholar, CSE), and informed the Council about the INSA-funded

research project titled *"Exploration of Ancient Pottery Technology of Assam: A Historical Perspective,"* sanctioned with a total grant of six lakh rupees. He further noted the international visit of Dr. Damiki Laloo and Dr. Bhrigu Kumar Das to Mari State University and the participation of Prof. Girish Gogoi in the Vitaly Kostomarov Annual Forum in Russia, along with the successful conduct of the GCU Foreign Language Fiesta 2025.

Prof. Das reported PhD admissions in the Monsoon Session, with 33 scholars admitted. He emphasized the importance of effective social media handling and encouraged faculty members to actively publish their achievements with appropriate mention of the University, and to share relevant academic and research content to enhance GCU's visibility. He also stressed the need to increase newspaper coverage, particularly in *The Assam Tribune*. Additionally, he reminded that students of Allied Health Sciences must appear for the NEET examination as per regulatory requirements. The Vice-Chancellor concluded by thanking all faculty members, administrative staff, students, and collaborators for their dedicated efforts and reaffirmed the University's commitment to academic excellence, research innovation, and holistic student development. The members acknowledged and appreciated the University's sustained progress

Resolution: AC.11/2025-11/01:
The Council noted the deliberations and resolved:

1.1 Resolved that departments start developing e-content for hybrid-teaching learning mode.
1.2 Resolved that faculty members should take initiative about wide coverage of university events.
1.3 Resolved that news coverage be increased in The Assam Tribune.
1.4 Resolved that all Allied Health students must appear in the NEET examination as mandated by the National Commission for Allied and Healthcare Professions (NCAHP).

AC.11/2025-11/02:
Confirmation of the Minutes of the tenth meeting of the Academic Council held on 11th April'25

The Minutes of the tenth Academic Council Meeting held on 11th April'25 were placed before the Council for consideration and confirmation. The draft minutes had been circulated in advance to all Members for their comments and observations. Professor No observation was received, the Vice-Chancellor requested the Members once again for their observations, if any. Since, there was no observation, the Council recommended to accept the Minutes of the tenth Academic Council meeting. (placed at Annex-I)

GIRIJANANDA CHOWDHURY UNIVERSITY * ASSAM *

Annex-I

Office of the Registrar

GIRIJANANDA CHOWDHURY UNIVERSITY, ASSAM

Main Campus: Hatkhowapara, Azara, Guwahati-781017
Constituent Campus: Kanderbari Rd, Dekargaon, Tezpur-784501

Minutes of the tenth meeting of the Academic Council
Girijananda Chowdhury University, Assam

Date: 11th April'25 (Friday)
Time: 10:30 a.m.
Venue: Conference room
(Ground floor, Main Academic Building)

The following members were present in the meeting:

1. Mr. Jasodaranjan Das-President, SSA Society
2. Prof. Jayanta Deka-Chancellor (Special Invitee)
3. Prof. Kandarpa Das- Vice-Chancellor
4. Mr. Arupananda Chowdhury, Joint Secretary, SSA Society
5. Prof. Dipankar Saha, Registrar
6. Prof. Anwar Saikia- Dean (Academics)
7. Mr. Kishor Kumar Choudhury- COE
8. Dr. Sunayan Bordoloi- Dean, School of Natural Sciences
9. Prof. S. Robert Ravi-Dean, School of Engineering and Technology
10. Dr. Shantanu Chakraborty- Dean, School of Humanities & Social Sciences
11. Dr. Abdul Baquee Ahmed-Principal, School of Pharmaceutical Sciences, Tezpur campus
12. Dr. Bhanu P Sahu-Dean, School of Pharmaceutical Sciences
13. Dr. Dimiki Laloo-Head, Department of Pharmacognosy
14. Dr. Moyna Sarmah – Dean, Student Affairs
15. Dr. Minakshi Gogoi-Head, Department of Computer Science and Engineering
16. Dr. Mukta Ranjan Singha, Head- Department of Computer Applications
17. Dr. Nilanjana Deb-Head, Department of Business Administration
18. Dr. Anindita Bora-Head, Department of Electronics and Communication Engineering
19. Dr. Rachel Kalte- Head, Department of Sociology and Social Work
20. Dr. Lipi Goswami- Head(i/c), Department of Physics
21. Dr. Jun Moni Kalita- Head, Department of Pharmaceutical Chemistry
22. Dr. Madhumita Mahanta- Head(i/c), Department of Mathematics
23. Dr. Susmita Pathak- Head(i/c), Department of Chemistry
24. Dr. Sampurna Bhuyan -Head(i/c), Department of Economics
25. Dr. Sandip Bordoloi-Head, Department of Electrical Engineering
26. Dr. Debasish Mallick- Head, Department of Mechanical Engineering
27. Mamata Devi- Head(i/c), Department of English and Foreign Languages
28. Dr. Barsha Chhetri-Head (i/c), Department of Education
29. Dr. Puja Sen - Head (i/c), Department of Mass Communication and Journalism
30. Dr. Mijanoori Das – Head (i/c), Department of Law
31. Dr. Manaj Khanal- Head (i/c), Dept. of Commerce
32. Dr. Palakshi Sharma- Head (i/c), Dept. of Psychology
33. Dr. Subarna Shankar Das (PT)- Asst. Professor, Allied Health Sciences

Mr. Bijoyananda Chowdhury, Secretary, SSA Society; Ms. Kasiki Chowdhury, Member, SSA Society; Dr. Vidhya Sreenivasan- Head, Department of MLT and Dr. Sarma Hazarika were granted leave of absence.

AC.10/2025-04/01:
Welcome Address and Appraisal Report by the Vice Chancellor.

The Vice-Chancellor of Girijananda Chowdhury University (GCU), Prof. Kandarpa Das, warmly welcomed all members to the Academic Council meeting and expressed his appreciation for their continued engagement and support in furthering the university's mission. He then presented a comprehensive appraisal of the university's key developments since the last meeting held on 7th February 2025.

Prof. Das began by announcing the appointment of Prof. Jogen Ch Kalita, Professor of Zoology and Dean of the Faculty of Science at Gauhati University, as the Ombudsperson of GCU, effective from 24th March 2025 and the joining of several new faculty members across departments, including both senior and visiting appointments.

The Vice-Chancellor highlighted the successful organization of Varsity Week and cultural events across campuses, which saw enthusiastic student involvement. Among the major events since the previous meeting, the organization of "EUPHURISM-2025", at the Guwahati Campus held from 5th to 8th March, which featured over 28 cultural and sports competitions with enthusiastic student participation. Similarly, the Tezpur Campus hosted "RONGMON-2025" on 28th February, creating a vibrant platform for students to showcase their talents.

A significant achievement was GCU's participation in the 38th AIU National Inter-University Youth Festival at Amity University, Noida, from 3rd to 7th March 2025. Eight students represented GCU and won several awards: a Silver Medal in Western Solo Song (Charlene Mahalia), Bronze Medals in both Western Group Song and Mimicry (Ayon Chita Oja). These accomplishments reflected the growing excellence and national visibility of GCU's student community.

On the academic front, the Centre for Legal Studies submitted an application for approval of its BA LLB programme to the Bar Council of India on 23rd December 2024, which is currently under review. Regarding accreditations, the Vice-Chancellor informed that the pre-qualifier proforma for NBA accreditation for the departments of Computer Science and Engineering

(CSE) and Civil Engineering (CE) was submitted on 3rd April 2025. The Vice-Chancellor noted the successful completion of PhD admissions and declaration of end-semester results.

In terms of research, Prof. Das shared the news of a newly approved project funded by the Indian Council of Social Science Research (ICSSR). Titled *"Impact of the Ethnic Conflict on the Psycho-social Wellbeing of the Youth in Manipur"*, the project is led by Dr. Rachel Kabi (Principal Investigator) and Dr. Palakshi Sarmah (Co-Investigator), both from the School of Humanities and Social Sciences. The project received a grant of ₹10 lakhs and will run for a duration of 12 months starting from 7th March 2025.

The Vice-Chancellor reported notable recognitions received by GCU community members. Dr. Vidya Srinivasan was nominated by the Government of India as one of the five members of the National Medical Laboratory and Life Sciences Professional Council on 26th March 2025. In addition, Ms. Y. Alotshi Achumi, a research scholar under the guidance of Dr. Nirmala Devi, was selected for a prestigious scholarship under the Ministry of Tribal Affairs' "National Fellowship and Scholarship for Higher Education of ST Students" for 2024–2025.

The university also organized various initiatives including workshops, colloquia, educational tours, conferences, and an Industry-Academia Interface Meet at Garbhanga Reserve Forest, all aimed at enhancing academic engagement, industry collaboration, and experiential learning.

GCU's international engagements continued to expand with the signing of an MoU with HELP University, Malaysia, paving the way for academic exchanges, joint research, and student-faculty mobility. As part of this collaboration, a five-day international study tour was organized for MBA second-semester students from the Department of Business Administration. A team of 28 students, accompanied by faculty members Dr. Sampurna Bhuyan and Mr. Faruk Ahmed, visited HELP University from 10th to 14th March 2025, where they participated in the "Global Engagement & Enriching Student Experience Programme," along with campus visits, workshops, and local tours. Further strengthening global academic ties, GCU also hosted Dr. Bahar Farangis, Senior Staff Scientist and DAAD Coordinator from the University of Applied Sciences Freiburg, Germany, who delivered an inspiring lecture on renewable energy.

Prof. Das also reported on recent institutional collaborations. Since the last Academic Council meeting, GCU has signed new Memoranda of Understanding (MoUs) with Assam Startup-The Nest (AIDC), IIMCIP–Technology and Innovation Council, Numaligarh Refinery Limited (NRL), Marwari Hospitals, and Mangaldoi Commerce College. With these additions, the university has now signed a total of 59 MoUs.

In conclusion, Prof. Das extended his sincere thanks to the faculty, staff, and students for their tireless efforts and dedication. He reaffirmed GCU's commitment to academic excellence, holistic student development, and meaningful international and industry engagement. With this, he formally opened the meeting and invited the Registrar to present the first agenda item. The Council members acknowledged the report with appreciation and commended the university for its ongoing progress and achievements.

The Members took note of the activities and appreciated the University for its efforts.

Resolution: AC.10/2025-04/01:

No resolution taken.

Agenda AC.10/2025-04/02:

Confirmation of the Minutes of the ninth meeting of the Academic Council held on 7th Feb'25

The Minutes of the Ninth Academic Council Meeting held on 7th February 2025 were placed before the Council for consideration and confirmation. The draft minutes had been circulated in advance to all Members for their comments and observations. Mr. Arupananda Chowdhury, Joint Secretary of the SSA Society, submitted detailed observations and sought clarifications on several matters, including the report on mathematical excellence over the past three years, and a semester-wise list of students (excluding B.Tech and B.Pharm) with departmental breakdowns of marks.

Mr. Chowdhury emphasized on maintaining the quality of teaching learning and long standing reputation of the GIMT and the GIPS. He stressed that the number of seminar/conference and extra-curricular activities should be proportionate to the academic activities and under no circumstances academic quality should be diluted. He also emphasized on the quality of students admitted into the university. GCU should not become like any other private university. It should maintain its unique character and reputation of quality assurance. Mr. Arupananda Chowdhury also expressed his reservation regarding pass percentage being 40, just because the Government of Assam recommended it. He expressed the view that conferences and seminars should be restricted to the established schools only (Engineering & Pharmacy). He also expressed concern for not having handy-man on the lanes. Mr. Chowdhury also expressed his views that the university should admit only high quality student and should maintain a cut-off percentage while admitting students. Mr. Arupananda Chowdhury also expressed concern about proper functioning of the ERP.

Further deliberations were held on the suggestion to schedule events during the afternoon hours to avoid disruption to morning academic sessions. Mr. Chowdhury also raised queries regarding ongoing MOU-related activities and requested a briefing from the MOU Coordinator, Dr. Minakshi Gogoi. Emphasizing the importance of academic standards, Mr. Chowdhury reiterated the need to prioritise the enhancement of students' academic performance.

After detailed discussion, the Council recommended the confirmation of the Minutes. The Minutes of the Ninth Academic Council Meeting is placed at *Annex-I* for reference.

Resolution: AC.10/2025-04/02:

2.1 Resolved to approve the Minutes of the ninth Meeting of the Academic Council.

2.2 Resolved that events to be conducted in the afternoon not in the morning.

2.3 Resolved that MOU Coordinator, Dr. Minakshi Gogoi shall submit an MOU activity report to Mr. Arupananda Chowdhury.

GIRIJANANDA CHOWDHURY UNIVERSITY * ASSAM *

Agenda AC.10/2025-04/03:

Proposal for acceptance of the Action Taken Report on the decision of the ninth meeting of the Academic Council held on 7th Feb'25

The Action Taken Report of the resolution of the ninth meeting of the Academic Council held on 7th Feb'25 was placed before the council. The members discussed the report and noted the actions taken with appreciation.

Action Taken Report on resolution of the ninth meeting of Academic Council held on 7th Feb'25.

Sl. No.	Agenda	Resolution	Action Taken
1	AC.9/2025-02/01: Welcome Address and Appraisal Report by the Vice Chancellor.	**Resolution: AC.9/2025-02/01:** The Academic Council noted the deliberations and resolved the following: 1.1 To provide blazers for students representing Girijananda Chowdhury University at the AIU Youth Festival 2024-25, scheduled to be held at Amity University, Uttar Pradesh, from 3rd March to 8th March 2025. 1.2 To emphasize and encourage faculty members to actively engage in patent publication, fostering a culture of innovation and strengthening the university's research output. Additionally, a monitoring mechanism will be established to track faculty performance on key parameters, including the number of patents submitted, patents published, and patents granted, to assess and enhance research contributions.	Blazers provided to students who participated in the AIU festival. Initiative taken by Research & Development Cell
2	Agenda AC.9/2025-02/02: Confirmation of the Minutes of the eighth meeting of the Academic Council held on 20th Dec'24	**Resolution: AC.9/2025-02/02:** The Council resolved to approve the Minutes of the eighth Meeting of the Academic Council.	No action required.

3	Agenda AC.9/2025-02/03: Proposal for acceptance of the Action Taken Report on the decision of the eighth emergent meeting of Academic Council held on 20th December, 2024.	**Action: AC.9/2025-02/03:** The Council resolved to approve the Action Taken Report of the eighth Meeting of the Academic Council.	No action required.
4	Agenda AC.9/2025-02/04: Ratification of the recommendations of the meetings of the Board of Studies of: • School of Natural Sciences on 9th January 2025 • School of Humanities & Social Sciences held on 29th January 2025	**Resolution AC.9/2025-02/04** 4.1 Resolved to ratify the approved minutes of the fourth meeting of the BoS of Natural Sciences held on 9 Jan'25. 4.2 Resolved to ratify the approved minutes of sixth meeting of the BoS of Humanities & Social Sciences held on 29 Jan'25.	Resolution has been notified
5	Agenda AC.9/2025-02/05: Report of the Committee regarding modification of exam rules and regulations and adoption of the same in the academic regulation.	**Resolution AC.9/2025-02/05:** The Academic Council noted the deliberations and resolved the following: 5.1 To unanimously accept the minimum pass percentage of 40% for all courses, as mandated by the Government of Assam, and to adopt the minimum pass percentage for Pharmaceutical Sciences as per the Pharmacy Council of India (PCI) guidelines. 5.2 To identify slow learners within departments and organize extra and remedial classes for their academic support, ensuring equitable learning opportunities	Resolution has been notified Department is in the process of conducting remedial classes.

		for all students. 5.3 To prepare department-wise details for irregular students, highlighting their academic progress and attendance issues, for better management and intervention. 5.4 To compile a report on student attendance by department using data from the ERP system, which will be reviewed by the Dean Academic for effective monitoring and addressing attendance discrepancies. 5.5 To conduct departmental review meetings every month to evaluate academic progress, discuss challenges, and formulate strategies for continuous improvement in teaching and learning outcomes.	Details have been prepared and irregular students were identified. Mentors got in touch with parents/guardians of the irregular students. ERP work in going on. There is some snag in mapping certain data. In process
6	Agenda AC.9/2025-02/06: Creation of Baskets of SEC, VAC, AEC, MDC	**Resolution AC.9/2025-02/06:** The Academic Council noted the deliberations and resolved the following: The Dean, School of Humanities and Social Sciences to develop more Value-Added Courses (VACs) within the school.	In process
7	Agenda AC.9/2025-02/07: Review of semester results/ A Report by the COE	**Resolution AC.9/2025-02/07:** No resolution taken.	

8	Agenda AC.9/2025-02/08: Engagement of Professors in practice/Visiting Professors	**Resolution AC.9/2025-02/08:** The Academic Council noted the deliberations and resolved the following: To adopt the proposal for engagement of Professors in Practice as per the UGC guidelines and to place it before the Governing Body for final approval.	A Committee has been formed for the selection of Professors in Practice and a meeting of the committee was conducted on 16th April'25.
9	Agenda AC.9/2025-02/09: Approval of PhD supervisors	**Resolution AC.9/2025-02/09:** Resolved to approve the following faculty members as PhD supervisors: • Dr. Barab Das – Department of Electronics and Communication Engineering • Dr. Ummey Rumman Barlaskar – Department of Economics • Dr. Nandita Chitrakar – Department of Education	Resolution has been notified
10	AC.9/2025-02/10: Any Other Matter. 10.1 Declaration of Holiday on Janmotsav and Tithi of Shrimanta Shankardev 10.2 Change in Course Name from VLSI Design to VLSI Design for Semiconductors and approval of the course. 10.3: Official	**Resolution: AC.9/2025-02/10.1:** The Council resolved to approve the declaration of a holiday on the Janmotsav and Tithi Shrimanta Shankardev. **Resolution: AC.9/2025-02/10.2:** The Council resolved to approve the change in the course name from "VLSI Design" to "VLSI Design for Semiconductors" to the new, more relevant title as proposed.	Resolution has been notified Resolution has been notified

	Approval of RDC-Related Policies		
	10.3.1 Guidelines for the Operation of Consultancy Projects	**Resolution: AC.9/2025-02/10.3.1** In principle, the Council resolved to officially approve the Guidelines for the Operation of Consultancy Projects, pending final approval from the Board of management and the Governing Body.	Placed in BOM and GB meeting for final approval
	10.3.2 GCU-Incubation Centre (GCU-IC) Policy and Procedures	Resolution: **AC.9/2025-02/10.3.2** In principle, the Council resolved to officially approve the GCU-Incubation Centre (GCU-IC) Policy and Procedures, pending final approval from the Board of management and the Governing Body.	Placed in BOM and GB meeting for final approval
	10.4 Amendment to the Incentive Policy	**Resolution: AC.9/2025-02/10.4** In principle the Council resolved to approve the Amendment to the Incentive Policy as proposed, pending final approval from the Board of management and the Governing Body.	Placed in BOM and GB meeting for final approval

Resolution: AC.10/2025-04/03:

The Council resolved to approve the Action Taken Report of the ninth Meeting of the Academic Council.

Agenda AC.10/2025-04/04:

Ratification of the Recommendations of the Board of Studies Meeting – School of Pharmaceutical Sciences

The Minutes of the third meeting of the Board of Studies (BoS) of the School of Pharmaceutical Sciences, held on 27th February 2025 (Annex-II), were placed before the Council for approval. The Council was requested to ratify the recommendations made during the said meeting.

Resolution AC.10/2025-04/04

4.1 Resolved to ratify the approved minutes of the third meeting of the BoS of Pharmaceutical Sciences (Annex-II) held on 27th Feb'25.

4.2 Resolved to take an undertaking from research scholars who intend to discontinue or move out in the middle of the session.

Agenda AC.10/2025-04/05:

Introduction of a Course on Ancient Indian Medicine and its Traditional Approach as a Value-Added Course (VAC)

The School of Pharmaceutical Sciences has proposed the introduction of a new Value-Added Course (VAC) titled *"Ancient Indian Medicine and its Traditional Approach,"* placed at Annex-III. The course aims to provide students with foundational knowledge of traditional Indian medical systems and their relevance in contemporary healthcare. The proposal is placed before the Council for deliberation and necessary approval.

Resolution AC.10/2025-04/05:

Resolved to approve the introduction of the Value-Added Course (VAC) titled *"Ancient Indian Medicine and its Traditional Approach"* as proposed by the School of Pharmaceutical Sciences.

Agenda AC.10/2025-04/06:

Approval of the GCU-PhD Research Fellowship Policy

The *GCU-PhD Research Fellowship Policy (placed at Annex-IV)* has been formulated with the objective of encouraging high-quality research by providing financial assistance and academic support to eligible PhD scholars. The draft policy outlines the eligibility criteria, fellowship amount, duration, and monitoring mechanisms. The proposal was placed before the Council for discussion and necessary approval. The Members discussed the matter and resolved the following.

Resolution AC.9/2025-02/06:

Resolved to approve the GCU-PhD Research Fellowship Policy, pending final approval by the Board of Management and the Governing Body.

Agenda AC.10/2025-04/07 :

Approval of PhD supervisors

The applications of the following faculty members, seeking recognition as PhD supervisors, are placed before the Council for consideration and approval:

- Dr. Nayana Adhikari – School of Pharmaceutical Sciences, Guwahati
- Dr. Rajat Subhra Dutta – School of Pharmaceutical Sciences, Tezpur

The Council reviewed and approved these applications.

Resolution AC.9/2025-02/07:

Resolved to approve the following faculty members as PhD supervisors:

- Dr. Nayana Adhikari – School of Pharmaceutical Sciences, Guwahati
- Dr. Rajat Subhra Dutta – School of Pharmaceutical Sciences, Tezpur

Agenda AC.10/2025-04/08:

Formation of Examination Committee

In view of the growing academic needs and to ensure the smooth conduct of examinations in accordance with university regulations, a proposal for the formation of an Examination Committee was placed before the Academic Council for discussion and necessary approval.

Resolution AC.9/2025-02/08:

8.1 The Academic Council noted the deliberations and resolved that the Examination Committee be formed.

8.2 The Council further resolved that a draft AI Plagiarism Policy be prepared by Dr. Vidya Srinivasan, Dr. Minakshi Gogoi, and Dr. Sampurna Bhuyan.

AC.10/2025-04/09: **Any Other Matter:**

9.1 Proposal for setting up a Centre for Northeast Studies

Prof. Shantanu Chakrabarty, Dean of the School of Humanities & Social Sciences, apprised the Council of a proposal to establish a *Centre for Northeast Studies*. The Centre will promote multidisciplinary research on the region's history, culture, languages, politics, and society; document oral traditions and indigenous knowledge; provide policy input; and foster academic and institutional collaborations. Placed before the Council for discussion and necessary approval.

Resolution AC.10/2025-04/09.1:
Resolved to approve the proposal for setting up the *Centre for Northeast Studies*.

As there was no other matter for discussion the meeting ended with a Vote of Thanks to and from the Chair.

12/4/2025

Vice-Chancellor
Chairman

Registrar
Member Secretary

Resolution: AC.11/2025-11/02:

Resolved to approve the Minutes of the tenth Meeting of the Academic Council held on 11th April 2025.

Agenda AC.11/2025-11/03:

Proposal for acceptance of the Action Taken Report on the decision of the tenth meeting of the Academic Council held on 11th April'25

The Action Taken Report of the resolution of the tenth meeting of the Academic Council held on 11th April'25 was placed before the council. The members discussed the report and noted the actions taken with appreciation.

Action Taken Report on resolution of the tenth meeting of Academic Council held on 11th April'25

Sl. No.	Agenda	Resolution	Action Taken
1	**AC.10/2025-04/01:** Welcome Address and Appraisal Report by the Vice Chancellor.	**Resolution: AC.10/2025-04/01:** No resolution taken	No action required.
2	**Agenda AC.10/2025-04/02:** Confirmation of the Minutes of the ninth meeting of the Academic Council held on 7th Feb'25	**Resolution: AC.10/2025-04/02:** **2.1** Resolved to approve the Minutes of the ninth Meeting of the Academic Council. **2.2** Resolved that events to be conducted in the afternoon not in the morning. **2.3** Resolved that MOU Coordinator, Dr. Minakshi Gogoi shall submit an MOU activity report to Mr. Arupananda Chowdhury.	No action required. Notified and being implemented Activity Report submitted to Mr. Arupananda Chowdhury on May 28, 2025

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3	**Agenda AC.10/2025-04/03:** Proposal for acceptance of the Action Taken Report on the decision of the ninth meeting of the Academic Council held on 7th Feb'25	**Resolution: AC.10/2025-04/03:** The Council resolved to approve the Action Taken Report of the ninth Meeting of the Academic Council	No action required.
4	**Agenda AC.10/2025-04/04:** Ratification of the Recommendations of the Board of Studies Meeting – School of Pharmaceutical Sciences	**Resolution AC.10/2025-04/04** **4.1** Resolved to ratify the approved minutes of the third meeting of the BoS of Pharmaceutical Sciences (Annex-II) held on 27th Feb'25. **4.2** Resolved to take an undertaking from research scholars who intend to discontinue or move out in the middle of the session.	No action required. Undertaking Prepared
5	**Agenda AC.10/2025-04/05:** Introduction of a Course on Ancient Indian Medicine and its Traditional Approach as a Value-Added Course (VAC)	**Resolution AC.10/2025-04/05:** Resolved to approve the introduction of the Value-Added Course (VAC) titled *"Ancient Indian Medicine and its Traditional Approach"* as proposed by the School of Pharmaceutical Sciences.	Notified and in offer as one of the VAC courses
6	**Agenda AC.10/2025-04/06:** Approval of the GCU-PhD Research Fellowship Policy	**Resolution AC.10/2025-04/06:** Resolved to approve the GCU-PhD Research Fellowship Policy, pending final approval by the Board of Management and the Governing Body.	Placed for further approval of the Board of Management and the Governing Body.
7	**Agenda AC.10/2025-04/07 :** Approval of PhD supervisor/s	**Resolution AC.9/2025-02/07:** Resolved to approve the following faculty members as PhD supervisors: • Dr. Nayana Adhikari – School of Pharmaceutical Sciences, Guwahati • Dr. Rajat Subhra Dutta – School of Pharmaceutical Sciences, Tezpur.	Notified

8	**Agenda AC.10/2025-04/08:** Formation of Examination Committee	**Resolution AC.9/2025-02/08:** 8.1 The Academic Council noted the deliberations and resolved that the Examination Committee be formed. 8.2 The Council further resolved that a draft AI Plagiarism Policy be prepared by Dr. Vidya Sirinivasan, Dr. Minakshi Gogoi, and Dr. Sampurna Bhuyan.	Examination Committee formed and notified Policy drafted and approved by BOM and GB
9	**AC.10/2025-04/09: Any Other Matter:** 9.1 Proposal for setting up a Centre for Northeast Studies	Resolution AC.10/2025-04/09.1: Resolved to approve the proposal for setting up the Centre for Northeast Studies.	Centre Coordinator has been selected and notified and planning of the centre is in progress

Resolution: AC.11/2025-11/03:

The Council resolved to approve the Action Taken Report of the tenth Meeting of the Academic Council.

Agenda AC.11/2025-11/04:

Ratification of the Recommendations of the Board of Studies Meeting:

- **School of Engineering & Technology**
- **School of Humanities & Social Sciences**
- **School of Allied Health Sciences**

The minutes of the fourth meeting of the BoS of Engineering & Technology held on 7th Nov'2025; seventh meeting of the BoS of Humanities & Social Sciences held on 6th November, 2025; and fourth meeting of the BoS of Allied Health Sciences held on 7th Nov'2025 were placed before the council for approval. (placed at Annex-II)

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Annex-II

Engineering. The experts and other members discussed and reviewed the course structure and syllabus of the above-mentioned programmes and suggested various changes and modifications.

Resolution: BoS/2025/04/02: After detailed discussion, the BoS, School of Engineering and Technology formally approved the course structure and syllabus of semester I to VIII of B.Tech Electronics & Communication Engineering with suggestions pertaining to include the syllabus.

Agenda 3: Presentation of semester I to Semester VIII course structure and syllabus, for the below mentioned programme by the Head of the Department of Computer Science & Engineering:

B.Tech. Computer Science and Engineering (AI & ML)

The course structure and syllabus of the above-mentioned programme were placed before the experts and other members by Head of the Department of Computer Science & Engineering. The experts and other members discussed and reviewed the course structure and syllabus of the above-mentioned programmes and suggested various changes and modifications.

Resolution: BoS/2025/04/03: After detailed discussion, the BoS, School of Engineering and Technology formally approved the course structure and syllabus of semester I to VIII of B.Tech Computer Science & Engineering (AI&ML) with suggestions pertaining to include the syllabus.

Agenda 4: Presentation of Semester I,II,III & IV Course structure and Syllabus, for the below mentioned programmes by the Head of Department of ECE & EE.

M.Tech Electronics & Electrical Technology

The course structure and syllabus of the above-mentioned programme were placed before the experts and other members by Head of the Department of ECE & EE. The experts and other members discussed and reviewed the course structure and syllabus of semester I to IV of the above-mentioned programmes and suggested various changes and modifications.

Resolution: BoS/2025/04/04: After detailed discussion, BoS, School of Engineering and Technology formally approved the course structure and syllabus of semester I to IV of M.Tech Electronics & Electrical technology with suggestions pertaining to include the syllabus.

Agenda 5: Presentation of Semester I & II Course structure and Syllabus, for the below mentioned programmes by the Programme coordinator.

M.Sc.Data Science

The course structure and syllabus of the above-mentioned programme were placed before the experts and other members by the programme coordinator. The experts and other members discussed and reviewed the course structure and syllabus of semester I & II of the above-mentioned programmes and suggested various changes and modifications.

Minutes of the meeting of 4th Board of Studies, School of Engineering and Technology, Girijananda Chowdhury University, Assam held on 7th Nov'2025.

The following members were present in the meeting:

1.	Dean of the School	- Chairperson/Member Secretary
2.	Dean (Academics)	-Member
3.	All HoDs of School of Engg & Tech.	-Member
4.	Dr. Sampurna Bhuyan	-Member
5.	Dr Lipi Goswami, HoD (i/c) – Physics	-Member
6.	Mrs.Manashi Devi, HoD – ENRL	-Member
7.	Mrs.Shrabani Mallik – Faculty – CSE	-Member
8.	Prof. Hiren Kumar Deva Sarma Professor, Dept. of Information Technology Gauhati University.	-Expert Member
9.	Prof. Manoranjan Kalita Director (Technical) Assam Don Bosco University, Azara.	-Expert Member

At the outset, Dean, School of Engineering and Technology welcomed all the members of the Board of Studies, School of Engineering and Technology.

Agenda 1: Presentation of Semester I,II,III & IV Course structure and Syllabus, for the below mentioned programmes by the Head of Department of Civil Engineering:

M.Tech-Civil Engineering

The course structure and syllabus of the above-mentioned programmes were placed before the experts and other members by Head of the department of Civil Engineering. The experts and other members discussed and reviewed the course structure and syllabus of semester I,II,III & IV of the above-mentioned programmes and suggested various changes and modifications.

Resolution: BoS/2025/04/01: After detailed discussion, the BoS, School of Engineering and Technology formally approved the course structure and syllabus of semester I,II,III & IV of M.Tech. Civil Engineering with suggestions pertaining to include the syllabus.

Agenda 2: Presentation of Semester I, to Semester VIII Course structure and Syllabus, for the below mentioned programmes by the Head of Department of ECE:

B.Tech Electronics & Communication Engineering
(Hons. in AI&ML,IoT,DS,VLSI,5G tech etc)

The course structure and syllabus of the above-mentioned programme were placed before the experts and other members by Head of the Department of Electronics & Communication

Resolution: BoS/2025/04/05: After detailed discussion, BoS, School of Engineering and Technology formally approved the course structure and syllabus of semester I & II of M.Sc Data Science with suggestions pertaining to include the syllabus.

Agenda 6: Dean – Engg & Tech requested the experts and other members to give in principle approval for introducing MDC courses offered by the other dept either within the school or other school.

Resolution: BoS/2025/04/06: After detailed discussion, BoS, School of Engineering and Technology given in principle approval for introducing MDC courses offered by the other dept either within the school or other school.

Agenda 7: Any other matter

Minor courses for Computer Application programme were placed before the experts and other members by the Head of Dept.of Computer application and it was formally approved.

The meeting ended with a Vote of Thanks by the Chairperson.

Prof. S. Robert Ravi
Chairperson/Member Secretary
BoS, School of Engineering and Technology.

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Hatkhowapara Azara, Guwahati-781017

Minutes of the 7th Board of Studies Meeting of School of Humanities and Social Sciences, Girijananda Chowdhury University, Assam(BoS/2025/07) held on, 6/11/2025 at 2.00 P.M. at the Conference Room, GIMT building, Guwahati.

7th BOS Minutes

The following members were present in the meeting.

1. Prof. Shantanu Chakrabarty - Chairperson, BOS & Dean, School of Humanities and Social Sciences
2. Prof. Amar Saikia, Dean Academic, GCU, Assam
3. Prof. Pranjit Bora, Professor, Department of English, KKHSOU
4. Prof. Kalpana Sarathy –Professor, TISS Guwahati
5. Prof Jayanta Krishna Sharma –Professor, Department of Political Science, Gauhati University
6. Prof. S. Robert Ravi — Dean, School of Engineering & Technology
7. Dr. Debarshi Mallick — HoD, Dept. of Mechanical Engineering
8. Dr. Th Shanta Kumar - Associate Professor, Dept. of Computer Science and Engineering
9. Dr. Jonmoni Kalita, Associate Professor, Department of Pharmaceutical Chemistry, GCU
10. Dr. Sampurna Bhuyan –Member Secretary, BOS, School of Humanities and Social Science, GCU Associate Professor,& HoD(ic),Dept. of Economics
11. Dr. Rachel Kabi – – Assistant Professor& Head, Dept. of Sociology & Social Work
12. Ms Manashi Devi– HoD (ic) & Assistant Professor, Department of English & Foreign Language
13. Dr. Anisha Bordoloi –Head & Assistant Professor, Department of History
14. Ms Palakshi Sarmah, Head & Assistant Professor, Department of Psychology
15. Dr. Rohan Basu, Assistant Professor, Department of Mass Communication
16. Dr. Puja Sen, Head & Assistant Professor, Department of Mass Communicatioo
17. Dr. Bhaswati Sarmah , Head & Assistant Professor, Department of Political Science,
18. Dr. Farizi Saidin, Assistant Professor, Department of Psychology
19. Dr. Tejoswita Gogoi, Assistant Professor, Department of Psychology

14/11/25

Signature of Chairperson with seal — Signature of Member Secretary

Dean, School of Humanities and Social Sciences
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At the outset, the Member Secretary, BOS welcomed the members and other faculty members of various departments. The following discussions regarding the course structure and syllabus of undergraduate courses of School of Humanities and Social Sciences took place.

Agenda 1: Confirmation of 6th BOS Minutes

Discussion: Dr. Sampurna Bhuyan., Member secretary of BOS, SHSS informed that the minutes of the 6th BOS meeting was already circulated to the members through e mail and WhatsApp and no modifications were suggested till date .Further , she has presented the minutes before the BOS Committee members for acceptance of the same.

Resolution BoS/2025/07/01: The minutes of the 6th BOS meeting had been approved by the members present in the meeting.

Agenda 2: Placing the syllabi of BA 6th semester and MA 3rd and 4th semesters of History Department for approval.

Discussion: Dr. Anisha Bordoloi presented the above-mentioned syllabi along with the course structure in front of the BoS after passing them through the Programme Committees of UG (GCU/Hist/PC/2025/02) and PG (GCU/Hist/PC/2025/03). Few modifications were recommended by the external members of the BoS.

Resolution BoS/2025/07/02: The Board approved the syllabi of the History Department with the suggestions made to do minor modifications in different units of the syllabi. These modifications will be incorporated into the syllabi as per the recommendations of the external members.

Agenda 3: To place the revised syllabi of BA Journalism and Mass Communication from 1st to 3rd Semester, the newly created syllabus of BA 4th Semester, and the syllabus of MA (EC course: Media Literacy and Fact-Checking) for approval.

Discussion: Dr. Rohan Basu presented the above-mentioned syllabi before the BoS. The Board provided two major recommendations:

1. That the B.A. syllabi content be reduced and simplified. This revision was considered necessary to align with the students' capacity to grasp complex material and to address time constraints that can prevent effective course delivery.

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Signature of Chairperson with seal — Signature of Member Secretary

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2. That the National Education Policy (NEP) guidelines be verified for practical-based courses by benchmarking against NEP-aligned Journalism & Mass Communication programmes being taught at other major central and state universities.

3. The BoS also suggested minor changes such as:

a. incorporating mental health in the context of media and journalism;

b. refining the names and terminology of certain modules (e.g. 'Theory' to 'Model')

c. using video articles/clips as a means of instruction in the Film Appreciation course.

Resolution BoS/2025/07/03: In accordance with the Board's recommendations, the following actions were completed:

I. The B.A. syllabi for all relevant semesters (I, II, III, IV) have been substantially reduced and simplified.

2. The NEP guidelines were verified as they are currently being practiced in several key central and state universities. A relevant, NEP-aligned syllabus from a prominent central university is attached for reference.

3. All other changes have been implemented as per the recommendations.

Annexure 3.1: BA Syllabus (1st, 2nd, 3rd, 4th Semester)

Annexure 3.2: MA Syllabus for Media Literacy and Fact-Checking (IEC)

Annexure 3.3: Syllabus of Journalism & Mass Communication for UG Programme under NEP 2020 (FYUG), Assam University, Silchar.

Agenda 4: To place the syllabus of Skill Enhancement Course (SEC) offered by the Department of Political Science for UG 1st Semester students.

Discussion: Dr. Bhaswati Sarmah, Head, Department of Political Science presented the syllabus of SEC for UG 1st Semester which was already passed in the Programme Committee Meeting (GCU/PolSc/PC/2025/02) held on 15th September 2025. The BoS members suggested a few minor changes which are already incorporated in the syllabus.

Resolution: BoS/2025/07/04: The syllabus was approved by the BoS members with minor modifications as listed below:

a) To modify the title of the course.

Signature of Chairperson with seal

Signature of Member Secretary

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b) To include more content in the syllabus.

Agenda 5: To place the revised course structure and syllabi of Dept. of Psychology for approval.

Name of course: PG (2023): 3rd, PG (2025): 1st- 4th, UG- 6th, 7th, 8th

Discussion: Dr. Tejeswin Gogoi, Department of Psychology, presented the syllabi of UG 6th-8th semesters, which were already passed in the Programme Committee Meeting (PCRN/PSY/PC/2025/02) held on 23rd August 2025. A few minor changes have been suggested by the experts. The same are listed below:

For PG

a. To include Indian perspective in the paper Emergence of Psychology in 1st semester.

b. To mention tools for data collection in qualitative and quantitative research in 2nd semester

c. Boundaries in counselling to be included for the paper, Counselling Psychology in 3rd semester

d. The concepts, counselling and psychotherapy should be included in Unit I, followed by approaches to counselling for the paper, Counselling Psychology in 3rd semester

e. To integrate counselling with IKS for Counselling Psychology

f. To include recent books, particularly from Indian authors

g. To narrow down the content of Community Psychology and Mental Health in 4th semester

For UG

a. In positive psychology, Indian perspective should be included.

b. To include different levels of context in counseling for UG and PG respectively

Resolution BoS/2025/07/05: Modifications are incorporated for both UG and PG courses.

Agenda 6: To place the syllabus of Semesters seven and eight of the Bachelor of Social Work (BSW) Programme offered by the Department of Social Work.

Discussion: Dr. Rachel Kabi, Head, Department of Sociology and Social Work presented the syllabus of Undergraduate Programme (BSW) Semesters seven and eight which was already passed in the Programme Committee Meeting (PCRN/SSW/PC/2025/05/01) held on 30th October 2025. The esteemed members of the BOS recommended a few additions to be made in a few courses.

Signature of Chairperson with seal

Signature of Member Secretary

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Resolution: BOS/2025/07/06: The syllabi was approved by the BOS with the following modifications as listed below:

1. To include certain references in the Research Methodology course.
2. To change the fieldwork components in Sem 7 from research oriented to macro level exposure.
3. To include references from Indian authors in the Course – Counselling Skills for Social Work Practice.
4. To include History of Counselling and guidance from Indian perspectives in the course – Counselling Skills for Social Work Practice.
5. To include the legislations in the course on Gender and Social Work.

Agenda 7: To place the syllabi of the 6th and 7th semesters of BA in English from the Department of English and Foreign Languages.

Discussion: Ms. Manashi Devi, Head (I/c), Department of ENFL presented the syllabi of 6th and 7th semesters of BA in English, which had also been presented in the Programme Committee Meeting held on 27 October 2025. There were few minor changes recommended; the same were already incorporated in the syllabi.

Resolution BoS/2025/07/07: The syllabi have been approved by the committee, as these had already been approved in the PC meeting. A few minor changes have been suggested by the expert, Prof. Pranjit Bora. The same are listed below:

a) To incorporate the theoretical background of the genres in the course British Romantic Literature (6th sem).

b) To incorporate a poem of Ezra Pound in the course Poetry II (6th sem)

c) To incorporate the introduction of New Literature in the course New Literatures in English to highlight the relevance of the course (6th sem).

The meeting ended with a vote of thanks from Member Secretary, BOS, SHSS.

(N.B. For the Resolution number 2 to 7 Annexures are enclosed herewith)

14/11/25

Signature of Chairperson with seal

Signature of Member Secretary

14/11/25
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SHOOL OF ALLIED HEALTH SCIENCES

GIRIJANANDA CHOWDHURY UNIVERSITY, HATHKHOWAPARA, AZARA, GUWAHATI – 781017, ASSAM

Minutes of the Fourth meeting of Board of Studies (BoS), School of Allied Health Sciences held on 7th of November 2025.

Agenda	Discussion	Resolution
Discussion will be held on renaming Medical Laboratory Technology (MLT) – both UG and PG programs along with the department name to Medical Laboratory Sciences (MLS) in accordance with the NCAHP (National Commission for Allied and Healthcare Profession) guidelines.	The members discussed the proposal to rename the existing Medical Laboratory Technology (MLT) programs – both UG and PG along with the department name to Medical Laboratory Sciences (MLS) in line with the NCAHP (National Commission for Allied and Healthcare Profession) guidelines.	It was resolved to approve the renaming of Medical Laboratory Technology (MLT) programs and the department name to Medical Laboratory Sciences (MLS) in accordance with NCAHP guidelines.
Discussions will be held on revisions and adaptations in the MMLT and MMLS curriculum as per NCAHP: a) In MMLT 1st semester, *Pharmacology* will be replaced by *Research Methodology*. b) In MMLT 2nd semester, *Forensic Medicine* will be	The members considered on the need to revise the MMLT and MMLS curricula as per NCAHP guidelines. The following points were discussed: a) Replacement of Pharmacology with Research Methodology in the ongoing 1st semester of MMLT	It was resolved to approve the proposed revisions in the MMLT and MMLS curricula as per NCAHP guidelines, with the mentioned modifications implemented from the next academic session.
	a) Inclusion of 30 theory papers and 2 non-university examination papers.	
Discussion will be held on the inclusion of new Board of Studies members as per NCAHP	The inclusion of new Board of Studies External expert members in accordance with NCAHP norms as in circular dated 22.08.2025 was discussed. The proposed names of external experts are: 1. Dr. Bishay Chandra Deka (MLS) Professor and Managing Director, Regional College of Health Sciences, Khanpara, Sarusajai, Guwahati, Assam 781040 2. Dr. Pushpendra Yaduvanshi (PT) Associate Professor & Head, Physiotherapy Career Point University, Kota, Rajasthan 324005	Appropriate approval will be taken for the proposed External expert members for the school of Allied Health Sciences
Any other matter: Discussion will be held on the PSC subjects (Health	The committee discussed the DCS subjects for Ph.D. course work Health	It was resolved that the matter will be place before the Academic Council for

replaced by *Enzymology and Nutrition*. e) The MMLS specialization syllabus will be adapted from NCAHP	b) Replacement of *Forensic Medicine* with *Enzymology and Nutrition* in the ongoing 2nd semester MMLT. c) Adaptation of the MMLS specialization syllabus from NCAHP from the next academic session.	
Discussion will be held on adapting the Physiotherapy (UG and PG) syllabus from NCAHP.	The proposal to adapt the Physiotherapy (UG and PG) syllabi from NCAHP was discussed, emphasizing alignment with the official circular dated 24/04/2025.	It was resolved to adopt the Physiotherapy (UG and PG) syllabi as per NCAHP guidelines and the circular dated 24/04/2025.
Discussion will be held on implementing the yearly pattern for Physiotherapy (UG and PG) as per NCAHP including: a) Examination pattern. b) Internal and formative assessment as per NCAHP guidelines. c) Inclusion of 10 theory papers and 2 non-university examination papers.	The committee discussed implementing the yearly pattern for Physiotherapy (UG and PG) as per NCAHP. The following points were discussed: a) Examination pattern. b) Internal and formative assessment structure as per NCAHP.	It was resolved to implement the yearly pattern for Physiotherapy (UG and PG) following NCAHP guidelines, incorporating the mentioned examination and assessment structure.

Technology and Review of Literature for Ph.D. coursework, with Health Technology proposed for approval.	Technology and Review of Literature. It was noted that there is currently no department for Health Technology, and only one scholar has enrolled in the Ph.D. program, who is from an MBBS background.	consideration of transferring the enrolled scholar to the School of Humanities and Social Sciences, which aligns better with the scholar's academic background.

The meeting ended up with the vote of thanks to the chair.

Chairperson
Dr. Vidhya Shrivastava

Member Secretary
Mr. Paryesh Borah

Resolution AC.11/2025-11/04:

4.1 Resolved to ratify the approved minutes of the fourth meeting of the BoS of Engineering & Technology held on 7th Nov'2025.

4.2 Resolved to ratify the approved minutes of the seventh meeting of the BoS of Humanities & Social Sciences held on 6th November, 2025.

4.3 Resolved to ratify the approved minutes of the fourth meeting of the BoS of Allied Health Sciences held on 7th Nov'2025.

4.4 Resolved that the quality, functioning, and overall performance of the AICTE Idea Lab shall be strengthened and improved, with concerned departments directed to enhance utilisation, project output, and student engagement under the Lab's activities.

4.5 Resolved that all departments shall place greater emphasis on practical, hands-on learning experiences such as field visits, site visits, laboratory-based activities, and real-world exposure rather than relying predominantly on classroom-based teaching, to ensure improved learning outcomes and skill development.

Agenda AC.11/2025-11/05: Approval of the Regulation and Course for 1-Year PG Programme (M.Sc. in Data Science) to be introduced under the Centre for Multidisciplinary Studies

A proposal regarding the approval of the Regulation and Course structure for the 1-Year Postgraduate Programme (M.Sc. in Data Science) *(placed at Annex–III)* to be introduced under the Centre for Multidisciplinary Studies was placed before the Academic Council for deliberation and necessary approval. The programme is designed in alignment with contemporary academic and industry requirements, offering multiple academic frameworks based on UGC and NEP guidelines, and incorporating coursework, experiential learning, and research components.

Resolution: AC.11/2025-11/05:

Resolved to approve the Regulation and Course structure for the 1-Year PG Programme (M.Sc. in Data Science) *(placed at Annex–III)* to be introduced under the Centre for Multidisciplinary Studies, subject to the completion of all regulatory and administrative requirements.

Annex-III

GIRIJANANDA CHOWDHURY UNIVERSITY

Regulation and Courses

Master of Science (MSc) in Data Science

Experts Consulted:

1. Prof Joydeep Baruah, Professor and Director of Surya Kumar Bhuyan School of Social Sciences, Krishna Kanta Handiqui State Open University, Guwahati

(Email: joydeep.baruah@gmail.com)

2. **Dr. Hem Chandra Das**, Assistant Professor, Department of CST, Bodoland University, Assam

Internal Members of the Course Committee: (Notification dated 12/7/2025,Dean Academic Office)

1. Dr. Sampurna Bhuyan, Associate Professor, Department of Business Administration; Department of Economics (Convener)
2. Dr. Moytri Sarmah, Associate Professor, Department of Mathematics(Member)
3. Ms Shrabani Medhi, Assistant Professor, Department of Computer Science and Engineering (Member)
4. Mr. Adarsh Pradhan, Assistant Professor, Department of Computer Science and Engineering(Member)

MSc in Data Science

(1 Year Post Graduate Programme)

1. Aims & Objectives

The programme aims to produce learners who can meet the increasing demand for data science and data analytics professionals who are capable of analysing data and dissemination of lifelong understanding to solve real-world problems scientifically.

The objectives of this Programme–

- Apply quantitative techniques to the real-world socio-economic and business problems
- Analyse the data to recommend findings to be presented in a scientific way
- Employ cutting edge machine learning tools to use big data
- Use data mining software and algorithms to build machine intelligence
- Demonstrate knowledge of statistics, mathematics and econometrics concepts for further applicability in lifelong learning.

The Outcome of the Programme –

- Identify, formulate, and analyze complex data science problems using foundational principles of mathematics, statistics, and computing.
- Develop predictive and prescriptive models to solve real-world problems across domains.
- Conduct independent research in emerging areas of data science, contributing to academic and industry advancements.
- Collaborate effectively in multidisciplinary teams to solve data-centric problems
- Demonstrate project planning, execution, and management skills in data science initiatives.
- Explore entrepreneurial opportunities by leveraging data science for innovative product or service development.
- Engage in continuous learning to keep pace with evolving technologies, methodologies, and industry trends.
- Pursue certifications, workshops, and advanced studies to enhance professional growth.

2. Framework: There are three frameworks according to UGC 5years Integrated Post Graduate Programme (NEP) Guidelines. In this course following the UGC guidelines we have three frameworks as follows

Model Type	Course Particulars	Course Components	Coursework	Research	Total credits
1.	1-year PG	Coursework + Research	20	20	40
		OR			
2.	1-year PG	Coursework with Experiential Learning	40	-	40
3	1-year PG	Research	-	40	40
	Total credits	40			

3. Admission Criteria /Eligibility

1. 4-year Undergraduate (NEP) /Master Degree in any discipline with Mathematics/Statistics/Quantitative Techniques as a course in either HS or Undergraduate level with basic computing skills.

2. 4-year Undergraduate (NEP) /Master Degree in any discipline (in this case the student has to undergo a non-credit bridge course on mathematics and statistics simultaneously with first semester).

4. Assessment Pattern: Continuous & Comprehensive Assessment

The assessment of the courses incorporates both **Formative** (40% weightage) and **Summative** (60% weightage) evaluation methods. Formative assessment is carried out continuously during the learning process to monitor student progress and provide timely feedback. Summative assessment is conducted

at the end to evaluate overall student achievement. The final course evaluation is based on a combination of both these assessment types.

Formative Assessment – 40percent Continuous Evaluation will be assigned based on Presentation, Class participation, Case study, Quiz, Assignment, Class tests, Term Paper etc.

5. 1 The details of Courses for 1st semesters are as follows:

Semester I

Framework I : Coursework+ Research

Theory/ Practical	Sl. No	Course Type	Course Name	Hours per week			Credit
				L	T	P	C
T	1.		Quantitative Analysis	3	1	0	4
T	2.		ProgrammingforData Science	3	0	2	4
T	3.		Data Management	3	0	2	4
P	4		Minor Project	0	0	16	8
Total							**20**

Framework II: Coursework with Experiential Learning

Theory/ Practical	Sl. No	Course Type	Course Name	Hours per week			Credit
				L	T	P	C
T	1.		Quantitative Analysis	3	1	0	4
T	2.		Programming for Data Science	3	0	2	4
T	3.		Data Management	3	0	2	4
T	5		Business Analytics/ Advanced Econometrics with R/SPSS	3	0	2	4
T	6		AI tools and its application	3	0	2	4
Total							**20**

Semester II(Common for both Frame work I and II)

Theory/ Practical	Sl .No	Course Type	Course Name	Hours per week			Credit
				L	T	P	C
T	1.		Research Methods and Ethics	2	0	0	2
T	2.		Applied Machine Learning	3	0	2	4
T	3.		Statistics for Data Science	2	0	0	2
P	4		*Major Project	0	0	24	12
Total							**20**

5.2 The details for the third frameworkis as follows:

Research:

The ResearchCourse in Data Science provides a structured framework for students to engage in meaningful, in-depth research. Divided into four quarters, the course covers the entire research cycle—from identifying a research problem and designing methodology to data collection, analysis, and final presentation. Emphasizing critical thinking, academic writing, and ethical research practices, the course culminates in the submission of a well-documented dissertation and a formal presentation or demonstration of the work. Students work under the guidance of assigned mentors, with continuous assessments to ensure steady progress and academic rigor.

Quarter	Timeline	Key Focus	Weightage
Q1	1–3 Months	Research Problem Formulation & Research Design	20%
Q2	4–6 Months	Data Collection & Initial Results	25%
Q3	7–9 Months	Deep Analysis, Interpretation & Refinement	25%
Q4	10–12 Months	Final Dissertation & Final Review	30%
Total Weightage			**100%**

Course Objectives:

1. To enable students from diverse academic backgrounds to engage in structured, interdisciplinary research in data science.
2. To develop skills in research design, critical thinking, and methodological application.
3. To promote the formulation of meaningful research questions and problem-solving strategies.
4. To encourage academic writing, ethical research practices, and scholarly communication.
5. To produce a high-quality dissertation with potential for publication and/or real-world application.

Course Outcomes (COs):

- **CO1:** Identify and define a relevant interdisciplinary research problem in data science.
- **CO2:** Design an appropriate research methodology suited to the problem and discipline.
- **CO3:** Collect, analyze, and interpret data using appropriate statistical, computational, or qualitative techniques.
- **CO4:** Communicate findings through structured academic writing and visual/technical presentations.

- **CO5:** Demonstrate the ability to work independently under guidance and meet research milestones.
- **CO6:** Engage in scholarly dissemination through presentations and potential publications.

Detail Course Structure for the Research (Project/Dissertation)

Quarter	Timeline	Focus Area	Activities	Deliverables	Assessment Components
Q1	**1–3 Months**	**Research Problem Formulation &Research Design**	• Orientation on Research Methodology • Literature Review • Defining Research Problem& Research Questions • Selecting Research Design	• Problem Statement Document • Literature Review Summary • ResearchProposal(with Objectives, Scope, Methodology)	• Mentor Evaluation (10%) • Proposal Presentation + Viva (10%) **Total Weightage =20%**
Q2	**4–6 Months**	**Data Collection & Initial Analysis**	• Tool/Framework Selection • Data Collection • Ethical Clearance (if needed) • Begin Preliminary Analysis	• Data Collection Report • Methodology Documentation • Initial Findings / Frameworks Applied • Prepare Draft Research Paper (Desirable)	• Mentor Eval (10%) • Review (10%) • Draft Paper Bonus (5%) **Total Weightage =25%**

Q3	**7–9 Months**	**Deep Analysis, Interpretation & Refinement**	• In-depth Data Analysis • Model Evaluation • Interpretation of Results and Hypothesis Testing • Refining Methodology/ Comparative Studies • Feedback Incorporation from Review	• Comprehensive Data Analysis Report • Visualizations, Tables, and Metrics • Draft Dissertation Chapters	• Mentor Evaluation (10%) • Review (5%) • Pre-Final Presentation (10%) **Total Weightage =25%**
Q4	**10–12 Months**	**Final Dissertation & Presentation**	• Final Report Writing • Formatting, Proofreading,Citation Check • Presentation/ Demo Preparation	• Final Dissertation (Printed + Soft Copy) • Executive Summary • Final Presentation/ Demo	• Mentor Final Evaluation (10%) • Dissertation Quality and Format (10%), • Final Viva + Presentation (10%) **Total Weightage =30%**

Guidelines to be followed:

- Students should complete all the work related to the dissertation within the stipulated time-period.
- Students should select a complex and meaningful problem relevant to industry or research.
- Regular meetings and communication with the assigned mentor are mandatory, as per the guidance provided by the course mentor.
- Each student is required to maintain a logbook documenting their progress, which must be reviewed and signed by the mentor as per their instructions.

- Mentors may adjust timelines or activities based on individual project needs.
- Plagiarism, unethical practices, or misrepresentation should be strictly avoided.
- The dissertation must follow the University's academic and ethical standards.

Note:

This structure for the Research (Project/Dissertation) Course in Data Science serves as a general framework. However, each assigned mentor or authorized University member may modify the structure, timelines, or evaluation pattern to suit the nature of the research, student capability, or interdisciplinary demands.

CONTENTS OF THE COURSES

(With Course Objectives and Course Outcome, Reference Books)

Semester 1

Course 1: Quantitative Analysis

Course Objectives:

1. To achieve conceptual understanding of connection of complex numbers and trigonometry, matrices.
2. To gain proficiency in calculus computations and to calculate the higher order derivatives and apply them in proper situations.

Course Outcomes:

After successful completion of the course, the students will be able to

CO 1: demonstrate De Moivre's theorem in a number of applications and estimate the roots of complex numbers.

CO 2: describe the essential tool of matrices and linear algebra in a comprehensive manner.

CO 3: apply the concept of mean, median, mode etc. counting principles in data analysis.

Syllabus

Module 1: Complex variables

Polar representation of complex numbers, De Moivre's theorem and its applications. Roots of a complex number, Trigonometrical and exponential functions of complex arguments. Hyperbolic Functions.

Module 2: Exploring Data and Combinatorial techniques

Types of Data and Measurement Scales, Frequency Distributions, Measures of Central Tendency, Measures of Dispersion: Range, Mean Deviation, Standard Deviation, Variance. Counting Principle, Permutation and Combination.

Module 3: Linear Algebra

Matrices, Operations on matrices, determinant of a matrix, rank of a matrix. Vector Space, Basis and Dimension of vector space. Linear Transformation, Kernel and Image of Linear Transformation, Algebra of Linear Transformation. Eigenvectors and eigenvalues of a matrix.

Textbook(s):

1. Hoffman K., Kunze R.A., *Linear Algebra,* 2nd Edition, Prentice - Hall, Inc., Englewood Cliffs, New Jersey.
2. Miller I. & Miller M., John E.F., *Mathematical Statistics with Applications* (8th Edition), Pearson. Dorling Kindersley (India).2014.
3. Ross S.M. *Introduction to Probability Models* (11th Edition). Elsevier Inc., (2014).

Reference Books:

1. Andreescu T. and Andrica D., *Complex Numbers from A toZ.,* Birkhauser, Boston, USA.
2. Mood, A.M., Graybill, F.A. Boes, D.C., *Introduction to the theory of Statistics* (3rd Edition). McGraw-Hill Education Pvt. Ltd. Indian Edition (2017).

Course 2:Programming for Data Science

Prerequisites: Basic computer literacy recommended

Course Objectives:

1) To build a foundational understanding of Python programming for data science applications.
2) To develop logical thinking and problem-solving skills using Python's control structures and functions.
3) To gain proficiency in working with Python's built-in data structures and handling structured/unstructured text files.
4) To prepare learners from diverse disciplines to automate and script basic data-related workflows using Python.

Course Outcomes:

CO1: **Explain** core Python programming constructs including variables, data types, and expressions.

CO2: **Apply** conditional statements, loops, and user-defined functions to solve computational problems.

CO3: **Analyze** and manipulate data using strings, lists, dictionaries, and file operations.

CO4: **Develop** modular Python scripts to automate tasks such as data input/output and file parsing.

Syllabus

Module 1: Python Programming Basics

Introduction to Python and its role in Data Science, Installing Python, IDEs, and using Jupyter Notebook, Syntax, indentation, comments, Variables and basic data types: int, float, str, bool, Operators: arithmetic, logical, comparison, Type casting and input/output, Introduction to functions and built-in methods

Module 2: Control Structures and User-defined Functions

Conditional statements: if, elif, else, Loops: for, while, Loop control: break, continue, pass, Defining and calling functions, Function parameters, return values, Variable scope, recursion basics, Exception handling: try, except, finally

Module 3: Data Structures, Strings, and File Handling

Lists, Tuples, Sets, Dictionaries: creation, operations, and methods, List comprehensions and nested structures, String manipulation and formatting, Working with text files: read, write, append, Handling CSV and JSON files, Introduction to using OS and pathlib modules

Module 4: Data Handling and Manipulation

Introduction to NumPy for numerical operations, DataFrames and Series in Pandas, Importing and exporting data (CSV, Excel, JSON), Data Cleaning & Pre-processing

Textbooks and References:

1. Downey, A. B. (2015). Think Python: How to think like a computer scientist (2nd ed.). O'Reilly Media.
2. Severance, C. R. (2016). Python for everybody: Exploring data using Python 3. CreateSpace Independent Publishing.
3. Zelle, J. M. (2017). Python programming: An introduction to computer science (3rd ed.). Franklin, Beedle & Associates Inc.
4. McKinney, W. (2022). Python for data analysis: Data wrangling with pandas, NumPy, and Jupyter (3rd ed.). O'Reilly Media.
5. Lutz, M. (2013). Learning Python (5th ed.). O'Reilly Media.
6. Slatkin, B. (2015). Effective Python: 59 specific ways to write better Python. Addison-Wesley Professional.
7. Sweigart, A. (2020). Automate the boring stuff with Python: Practical programming for total beginners (2nd ed.). No Starch Press.
8. Liang, Y. D. (2023). Introduction to programming using Python (2nd ed.). Pearson.
9. Shaw, Z. A. (2017). Learn Python 3 the hard way: A very simple introduction to the terrifyingly beautiful world of computers and code. Addison-Wesley Professional.
10. Guttag, J. V. (2016). Introduction to computation and programming using Python: With application to understanding data (2nd ed.). MIT Press.

Course 3 Data Management

Prerequisites: Basic computer literacy recommended

Course Objectives:

1) To understand principles of data modeling, databases, and data storage.
2) To develop the ability to work with structured, semi-structured, and unstructured data.
3) To introduce tools and technologies for effective data management in real-world contexts.
4) To foster interdisciplinary thinking through domain-specific data use cases.

Course Outcomes:

CO1: **Explain** the principles of data modeling, normalization, and database systems.
CO2: **Apply** SQL and NoSQL techniques to retrieve and manipulate data.
CO3: **Evaluate** the suitability of different data management systems for varied data types and use cases.

CO4: **Develop** basic database solutions and workflows for real-world, interdisciplinary datasets.

Syllabus

Module 1: Introduction to Data Management & Relational Databases

Data Management: Roles and Challenges, Types of Data: Structured, Semi-structured, Unstructured, Database Systems: RDBMS vs NoSQL, Relational Data Model and Entity-Relationship (ER) Diagrams, Keys, Constraints, and Normalization (1NF to 3NF)

Module 2: Structured Query Language (SQL)

SQL Basics: SELECT, INSERT, UPDATE, DELETE, Filtering, Sorting, Aggregate Functions, JOIN operations (INNER, LEFT, RIGHT, FULL), Subqueries and Views, Transactions and Integrity Constraints

Module 3: NoSQL and Modern Data Management

Introduction to NoSQL: Key-Value, Document, Column, Graph Databases, NoSQL vs SQL, MongoDB Basics: Documents, Collections, CRUD operations, CAP Theorem, Scalability, and Consistency, JSON and Semi-structured Data

Module 4: Data Storage, Integration & Ethics

Data Warehousing Concepts and Architecture, Data Lakes vs Warehouses, ETL (Extract, Transform, Load) Pipelines Basics, Introduction to Cloud Data Storage (AWS S3, Google BigQuery - overview only), Data Governance, Quality, Privacy & Ethical Use of Data

Module 5: Secondary Database Management

Concept of Primary vs Secondary Databases, Importance of Secondary Data in Research and Analytics, major Indian and global secondary databases (NSSO, NFHS, LASI, IHDS, World Bank, UN Data, WHO), Structure and organization of secondary databases: file formats (CSV, JSON, Excel, APIs), metadata, codebooks, and data dictionaries, Methods of accessing and querying secondary databases

Textbooks and References:

1. Silberschatz, A., Korth, H. F., & Sudarshan, S. (2020). *Database system concepts* (7th ed.). McGraw-Hill Education.
2. Coronel, C., & Morris, S. (2018). *Database systems: Design, implementation, & management* (13th ed.). Cengage Learning.
3. Elmasri, R., & Navathe, S. B. (2016). *Fundamentals of database systems* (7th ed.). Pearson.
4. Harrison, G. (2019). *Next generation databases: NoSQL, NewSQL, and Big Data*. Apress.
5. Redmond, E., & Wilson, J. R. (2018). *Seven databases in seven weeks: A guide to modern databases and the NoSQL movement* (2nd ed.). Pragmatic Bookshelf.
6. Gupta, S. C. (2018). *Fundamentals of statistics*. Himalaya Publishing House.
7. Date, C. J. (2019). *Database design and relational theory: Normal forms and all that jazz* (2nd ed.). O'Reilly Media.
8. Sadalage, P. J., & Fowler, M. (2013). *NoSQL distilled: A brief guide to the emerging world of polyglot persistence*. Addison-Wesley.
9. Connolly, T., & Begg, C. (2015). *Database systems: A practical approach to design, implementation, and management* (6th ed.). Pearson.
10. Hellerstein, J. M., & Stonebraker, M. (2021). *Readings in database systems* (5th ed.). MIT Press. *(Also known as "The Red Book")*
11. Inmon, W. H. (2016). *Building the data warehouse* (4th ed.). Wiley.
12. Desai, S., & Vanneman, R. (2015). *India Human Development Survey-II (IHDS-II), 2011–12: User guide*. University of Maryland & National Council of Applied Economic Research.

Course 4: Minor Project

The Minor Project serves as the student's first step toward solving a real-world data problem using the fundamental tools and techniques learned during the course. It emphasizes identifying a straightforward problem, collecting and analyzing relevant data, and clearly presenting the findings.

Course Objectives:

1. To enable students to identify and define relevant problems in data science, setting clear project objectives.
2. To familiarize students with the process of data collection, cleaning, and basic exploration.
3. To develop foundational skills in applying statistical or machine learning methods for data analysis.
4. To cultivate effective communication of methodologies and findings through written and oral presentations.

Course Outcome:

CO1: Identify and articulate a relevant problem in data science, framing appropriate objectives for the project.

CO2: Apply suitable data collection, cleaning, and visualization techniques to explore and summarize datasets.

CO3: Analyze data using foundational statistical or machine learning methods to obtain meaningful patterns or insights.

CO4: Communicate project methodology and findings clearly through written reports and oral presentations.

Course components expected to be submitted:

- **Project Proposal** – A short document describing the problem you're solving, why it's important, and your goals.
- **Dataset** – The data you collected (can be from online sources or real-world datasets).
- **Data Preprocessing Report** – How you cleaned the data (removed errors, missing values, etc.).
- **Exploratory Data Analysis (EDA)** – Charts, graphs, and basic analysis that help you understand the data.
- **Basic Model or Analysis** – A simple machine learning or statistical method used to find patterns or answers.
- **Final Report** – A clear write-up of everything you did, from problem to solution.
- **Presentation & Viva** – A short presentation to explain your project, followed by Q&A with faculty.

Guidelines to be followed:

- Students should complete the project within the stipulated duration.
- Encouraged to be done individually or in small teams (max 2-3), as advised by course mentor.
- Use tools and techniques covered in class (e.g., Python, pandas, matplotlib, scikit-learn).
- Regularly update your mentor and show progress in reviews.
- Maintain a project logbook or file with weekly updates, as advised by course mentor.
- Use proper references and avoid copying others' work.

Minor Project Course Assessment:

CO	Description	Assessment Activity	Weightage
CO1	Identify a relevant data science problem and define objectives	Project Proposal & Problem Definition Review	10%
CO2	Data collection, cleaning, and visualization	Data Pre processing Report + EDA Submission	25%
CO3	Apply statistical or ML methods for basic analysis	Model/Analysis Implementation Report + Code Review	30%
CO4	Communicate findings through written and oral formats	Final Report + Presentation + Viva	35%
		Total	**100%**

Course 5.1: Business Analytics

Prerequisite: 10+2 level Concepts of Economics/Management/ Commerce

Course Objectives:

1. Develop foundational understanding of analytics in commerce and marketing contexts
2. Equip learners with analytical tools and techniques for decision-making
3. Enable financial insight through data-driven portfolio analysis

Course Outcomes

By the end of this course, learners will be able to:

1. CO1: Apply retail and e-commerce analytics to optimize customer engagement and demand forecasting
2. CO2: Evaluate marketing performance using key metrics and dashboards
3. CO3: Design and assess financial portfolios using risk and diversification principles
4. CO4: Integrate analytics across commerce, marketing, and finance for holistic business insights.

Syllabus:

Module 1: Analytics for Commerce

Introduction to retailing and e-Commerce; Introduction to retail analytics; Demand estimation; Customer segmentation; Customer lifetime value; e-Commerce analytics value chain; Methods and techniques for e-Commerce analytics; Analysing behavioral data

Module 2: Marketing Analytics

Introduction: Analytics for Planning &Forecasting, The Sales Funnel & Descriptive Marketing Metrics, Descriptive vs. Predictive Metrics, Return on Ad Spend (ROAS) And Return on Investment (ROI), Customer Profit, KPIs, Reports and Dashboards

Customer Lifetime Value and Why it Matters, Calculating Customer Lifetime Value.

Module 3: Financial Analytics

Introduction to Financial Analytics, Portfolio Theory: Introduction, Portfolio Theory: Risk of a Security, Portfolio Theory: Diversification.

Suggested Books :

1. Cox, E. (2011). *Retail analytics: The secret weapon.* Wiley.
2. Hair, J. F., Harrison, D. E., & others. (2024). *Essentials of marketing analytics* (1st ed.). Cengage Learning.
3. Kuruganti, S., & Basu, H. (2015). *Business analytics: Applications to consumer marketing.* McGraw-Hill Education.
4. Bodie, Z., Kane, A., & Marcus, A. J. (2014). *Investments* (10th ed.). McGraw-Hill Education.

Course 5.2: Advanced Econometrics with R/SPSS

Prerequisite: Basic Econometrics Concepts of Under Graduate Level

Course Objectives:

1. Build a strong foundation in advanced econometric estimation techniques

2. Equip learners with tools to model complex economic relationships
3. Enable proficiency in time series and panel data analysis for forecasting and policy evaluation

Course Outcome:

By the end of this course, learners will be able to:

1. CO1: Apply GLS and MLE methods to estimate and test econometric models with non-standard error structures
2. CO2: Estimate and interpret non-linear and binary outcome models using iterative techniques
3. CO3:Formulate and solve simultaneous equation models for structural analysis and forecasting
4. CO4: Analyze time series and panel data using modern econometric techniques

Syllabus:

Module 1: Generalised Least Squares and Maximum Likelihood Estimation: Introduction to GLS; Non-spherical Disturbance and GLS Feasible GLS and its Properties Seemingly Unrelated Regression Estimation;Maximum Likelihood Method–Likelihood Ratio, Wald and Scope Test.

Module 2 Non-LinearEstimation:

Non-Linear Least Squares and Iteration process–Models with Binary DependentsVariables– Logit and ProbitModels.

Module 3 SimultaneousEquationModels:

Formalization of Identification Problem-Order and Rank Conditions of Identification– Recursive Models–Methods of Estimation:IV,2SLS,3SLS and FIML–Simulationand Forecasting.

Module 4 TimeSeriesModelling Panel Data:

Univariate TimeSeries Modelling, -Autocorrelation Functionand Correlogram–BasicFeaturesof AR,MA,ARMA and ARIMA models–Trend versus Difference Stationary-Co-integration, Error Correction Mechanism and ARDL Granger Causality and VAR, **Introduction to Panel data, Analysis and Interpretation of Panel Data**

Suggested Books:

1. Gujarati, D. N., & Porter, D. C. (2009). *Basic econometrics* (5th ed.). McGraw-Hill Education. Amemiya, T. (1985). *Advanced econometrics*. Harvard University Press.
2. Pesaran, M. H. (2015). *Time series and panel data econometrics*. Oxford University Press.
3. Arellano, M. (2003). *Panel data econometrics*. Oxford University Press.

Course 6: AI Tools and its Application

Prerequisite: Basic statistics & Computer Literacy

Course Objectives:

1. Introduce core data science workflows with the help of AI tools.
2. Provide hands-on experience with tools for data preprocessing, visualization, and predictive modeling.
3. Foster the ability to apply data science techniques in various domain-specific contexts.
4. Build awareness of responsible AI and data use practices.

Course Outcome:

By the end of this course, learners will be able to:

CO1: Identify and explain the role of AI tools in various stages of the data science lifecycle (data collection, cleaning, analysis, visualization, prediction).

CO2: Apply AI-powered tools (such as Power BI, Teachable Machine, and ChatGPT) to clean, analyze, and visualize structured and unstructured data.

CO3: Develop data-driven insights and simple predictive models using no-code or low-code AI tools in real-world or domain-specific scenarios.

CO4: Evaluate the ethical implications and limitations of using AI tools in data science, with regard to privacy, bias, and responsible use.

Module1: Introduction to AI & Data Science Concepts

What is Data Science? Lifecycle & Components, Role of AI in Data Science, Types of Data: Structured, Unstructured, Text, Image, Introduction to AI Tools: ChatGPT, Gemini, Notion AI, Google Sheets, GPT Prompt Engineering for Data Use

Module2: Data Collection, Cleaning & Visualization

Data import/export (Excel, CSV, Google Sheets, APIs), Data wrangling: missing values, outliers, transformations, Descriptive statistics, filtering, grouping, Visualization with Power BI & Google Looker Studio, Introduction to dashboards and storytelling with data

Module3: Predictive Analytics using AI Tools

Supervised Learning: Classification & Regression, Intro to Machine Learning with no-code tools, Teachable Machine: Train image or sound models, Google AutoML / ML for Sheets, Introduction to Forecasting with Power BI or Google Sheets AI

Module4:Domain Applications and Ethics in Data Science

Use Cases: Healthcare: Predictive health indicators, visualizing medical data, **Business:** Customer segmentation, demand forecasting, **Education:** Student performance, dropout prediction, **Social Science:** Sentiment analysis, opinion mining, **Environmental Studies:** Climate trends, disaster prediction

Ethics & Responsibility: Data privacy, fairness, and algorithmic bias, Limitations of AI tools (hallucinations, black-box models), Open Data & Responsible Sharing.

Suggested Books:

1) Provost, F., & Fawcett, T. (2013). *Data science for business: What you need to know about data mining and data-analytic thinking*. O'Reilly Media.

2) Kelleher, J. D. (2019). *Data science*. The MIT Press.

3) Winston, W. L. (2014). *Microsoft Excel data analysis and business modeling* (5th ed.). Microsoft Press.

4) Murtaza, K. (2020). *Power BI data analysis and visualization*. BPB Publications. Wirth, N. (2021). *A beginner's guide to artificial intelligence with ChatGPT and other tools*. Independently published.

5) Dignum, V. (2019). *Responsible artificial intelligence: How to develop and use AI in a responsible way*. Springer.

6) Dean, J. (2014). *Big data, data mining, and machine learning: Value creation for business leaders and practitioners*. Wiley.

7) Aurélien, G. (2019). *Hands-on machine learning with Scikit-Learn, Keras, and TensorFlow* (2nd ed.). O'Reilly Media.

8) Eckerson, W. (2011). *Performance dashboards: Measuring, monitoring, and managing your business* (2nd ed.). Wiley.

9) Marr, B. (2018). *Data-driven HR: How to use analytics and AI to improve employee performance*. Kogan Page Publishers.

Second Semester

Course 1: Research Methods and Ethics

Pre-requisites: UG level Research Methodology course

Course Objectives:

1. Equip students with a comprehensive understanding of various research designs.
2. Enable students to design effective research questionnaires using appropriate question formats and measurement scales.
3. Foster awareness of publication ethics, including standards set by COPE and WAME, authorship norms, and the identification and prevention of misconduct

Course Outcomes: By the end of this course, learners will be able to

CO1: Understand and Differentiate Research Designs and Data Types

CO2:Design Reliable Research Instruments Using Appropriate Measurement Scales

CO3: Evaluate Ethical Standards and Detect Publication Misconduct

CO4: Integrate Research Design, Measurement, and Ethics to Formulate Sound Research Proposals.

Syllabus

Module 1: Research Design & Data Type

Types of research design; Similarities and dissimilarities among the methods; Exploratory research design- Focus group-characteristics of traditional and online focus groups; Projective techniques for data collection; Descriptive research design- types of survey and observation methods, Concept of Causal research. Cross sectional, Longitudinal Data.

Module2 : Questionnaire and Scale of Measurement:

Designing Questionnaires for research; Types of Questions Scales of Measurement- nominal, ordinal, interval and ratio scales; Attitude measurement-Semantic differential scale and Likert scale, Concept of reliability.

Module 3:Publication Ethics

Publication ethics: definition, introduction and importance, Best practices/standards setting initiatives and guidelines: COPE, WAME etc., Conflicts of interest, Publication misconduct: Definition, concept, problems that lead to unethical behaviour and vice versa, types, Violation of

publication ethics, authorship and contributorship, Identification of publication misconduct, complaints and appeals, Predatory publishers and journals,Open access publications and initiatives.

Suggested Books:

1.Malhotra, N. K., & Dash, S. (2016). *Marketing research: An applied orientation* (7th ed.). Pearson Education India.

2.Zikmund, W. G., Babin, B. J., Carr, J. C., & Griffin, M. (2013). *Business research methods* (9th ed.). Cengage Learning.

3.Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). SAGE Publications.

4.Bryman, A. (2016). *Social research methods* (5th ed.). Oxford University Press.

5.American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). American Psychological Association.

6.Wager, E., & Kleinert, S. (2011). *Responsible research publication: International standards for authors*. In Mayer, T., & Steneck, N. (Eds.), *Promoting research integrity in a global environment* (pp. 309–316). World Scientific Publishing.

Course 2: Applied Machine Learning

Prerequisites: Programming for Data Science, Basic Statistics, Linear Algebra

Course Objectives:

1)To provide a foundational understanding of machine learning types, workflows, and real-world applications.

2)To equip students with data preprocessing, exploratory analysis, and visualization techniques essential for model development.

3)To enable learners to apply supervised and unsupervised learning algorithms to real-world datasets.

4)To familiarize students with evaluation metrics, dimensionality reduction, and model interpretation for informed decision-making.

Course Outcomes:

CO1. Explain the types, workflow, and lifecycle of machine learning systems and perform data preprocessing techniques

CO2. Apply exploratory data analysis and data visualization techniques.

CO3. Implement core supervised and unsupervised learning algorithms.

CO4. Analyze model performance using appropriate evaluation metrics.

Module 1: Introduction & Data Pre-processing

Introduction to ML: Types and Applications, ML Workflow & Lifecycle, Feature Engineering and Scaling, Handling Missing Data and Outliers, Train-test split, cross-validation, Overview of ML Libraries: scikit-learn, XGBoost

Module 2: Exploratory data analysis (EDA) and Data Visualization

Data Loading and Initial Inspection, Handling Missing Values, Univariate Analysis, Bivariate and Multivariate Analysis, Outlier Detection, Feature Engineering (initial exploration), Data Cleaning, Matplotlib and Seaborn basics, Line plots, bar charts, histograms, boxplots, heatmaps, Exploratory Data Analysis (EDA), Correlation and pattern recognition

Module 3: Supervised Learning Algorithms

Linear and Logistic Regression, k-Nearest Neighbors, Decision Trees and Random Forests, Support Vector Machines, Artificial Neural Networks, Evaluation Metrics: Accuracy, Precision, Recall, F1-score, ROC-AUC

Module 4: Unsupervised Learning & Dimensionality Reduction

Clustering: k-Means, Hierarchical, DBSCAN, Dimensionality Reduction: PCA, t-SNE, Association Rule Mining (Apriori, FP-Growth), Use cases in marketing, healthcare, biology, social sciences

Textbooks and References:

1. Géron, A. (2022). Hands-on machine learning with Scikit-Learn, Keras, and TensorFlow: Concepts, tools, and techniques to build intelligent systems (3rd ed.). O'Reilly Media.
2. Raschka, S., &Mirjalili, V. (2022). Python machine learning: Machine learning and deep learning with Python, scikit-learn, and TensorFlow 2 (4th ed.). Packt Publishing.
3. Muller, A. C., & Guido, S. (2016). Introduction to machine learning with Python: A guide for data scientists. O'Reilly Media.

4. Grus, J. (2019). Data science from scratch: First principles with Python (2nd ed.). O'Reilly Media.
5. Venkatesan, R., & Shafer, R. (2023). A hands-on approach to machine learning (2nd ed.). Springer.
6. James, G., Witten, D., Hastie, T., &Tibshirani, R. (2021). *An introduction to statistical learning: With applications in R* (2nd ed.). Springer.
7. Goodfellow, I., Bengio, Y., & Courville, A. (2016). *Deep learning*. MIT Press.
8. Aggarwal, C. C. (2015). *Data mining: The textbook*. Springer.
9. Albon, C. (2018). *Machine learning with Python cookbook: Practical solutions from preprocessing to deep learning*. O'Reilly Media.
10. Shalev-Shwartz, S., & Ben-David, S. (2014). *Understanding machine learning: From theory to algorithms*. Cambridge University Press.

Course 3: Statistics for Data Science

Course Objectives:

1. To build a strong foundation in statistical reasoning and techniques for data analysis
2. To enable students to summarize, visualize, and interpret data using statistical tools
3. To provide knowledge of statistical inference, hypothesis testing, and regression analysis
4. To apply statistical methods to real-world, interdisciplinary datasets using Python/R

Course Outcomes:

After successful completion of the course, the students will be able to

CO1. Describe fundamental statistical concepts and their relevance in data science
CO2.Apply descriptive and inferential statistics to structured data
CO3. Evaluate relationships between variables using correlation and regression techniques
CO4. Perform statistical data analysis using appropriate tools and interpret results effectively

Module 1: Descriptive Statistics & Data Visualization

Types of Data and Measurement Scales, Frequency Distributions, Data Visualization: Histograms, Boxplots, Scatterplots, Introduction to Python/R for statistical computing

Module 2: Probability & Distributions

Basic Probability Rules, Conditional Probability, Bayes' Theorem, Random Variables: Discrete and Continuous, Probability Distributions: Binomial, Poisson, Normal, Exponential, Central Limit Theorem and Law of Large Numbers

Module 3: Statistical Inference & Hypothesis Testing

Sampling and Sampling Distributions, Point and Interval Estimation, Hypothesis Testing: Z-test, t-test, Chi-square test, ANOVA, p-values, Confidence Intervals, Type I and Type II errors

Module 4: Correlation, Regression & Applications

Correlation: Pearson, Spearman, Simple and Multiple Linear Regression, Assumptions of Regression, R-squared, Adjusted R-squared, Introduction to Logistic Regression, Applications in healthcare, marketing, education, social sciences.

Textbooks:

1) Provost, F., & Fawcett, T. (2013). Data science for business: What you need to know about data mining and data-analytic thinking. O'Reilly Media.
2) Utts, J. M., & Heckard, R. F. (2014). Mind on statistics (5th ed.). Cengage Learning.
3) Rice, J. A. (2006). Mathematical statistics and data analysis (3rd ed.). Cengage Learning.
4) Downey, A. B. (2014). Think stats: Exploratory data analysis in Python (2nd ed.). O'Reilly Media.
5) Levine, D. M., Stephan, D. F., Krehbiel, T. C., & Berenson, M. L. (2020). Statistics for managers using Microsoft Excel (9th ed.). Pearson Education.

Reference Books:

1) Montgomery, D. C., & Runger, G. C. (2018). *Applied statistics and probability for engineers* (7th ed.). Wiley.
2) Ross, S. M. (2017). *Introduction to probability and statistics for engineers and scientists* (5th ed.). Academic Press.
3) Field, A. (2018). *Discovering statistics using IBM SPSS Statistics* (5th ed.). Sage Publications.
4) Larsen, R. J., & Marx, M. L. (2011). *An introduction to mathematical statistics and its applications* (5th ed.). Pearson.
5) Verzani, J. (2014). *Using R for introductory statistics* (2nd ed.). CRC Press.

Course 4: Major Project

The Major Project is a key component of the program, requiring students to tackle a complex data science problem using advanced methodologies. Students are expected to design a complete solution—ranging from data collection to model development and evaluation—and present their work in a professional and structured manner.

Course Objectives:

1. To foster the ability to formulate and investigate complex, research-oriented problems in data science.
2. To train students in designing and executing comprehensive, advanced data science projects using current tools and techniques.
3. To encourage critical evaluation of models, interpretation of results, and iterative refinement based on analyses.
4. To promote independent research skills, ethical responsibility, and the ability to present a substantial dissertation or product demonstrating the application of advanced data science concepts.

Course Outcome:

CO1: Formulate complex, research-oriented data science problems and propose innovative solutions.

CO2: Apply advanced data science workflows using state-of-the-art algorithms and tools.

CO3: Critically evaluate model performance, interpret results, and refine solutions based on quantitative and qualitative analyses.

CO4: Develop and present a comprehensive dissertation and/or product demonstrating independent research, teamwork, and ethical responsibility.

Course components expected to be submitted:

- **Project Proposal** – Detailed explanation of your problem, objective, data source, and plan.
- **Literature Review** – A summary of existing research or solutions related to your topic.
- **Data Processing and Workflow** – Clear documentation of how you handled the data and built your model.
- **Modeling and Analysis** – Application of advanced ML/AI algorithms with proper performance evaluation.
- **Final Report / Dissertation** – A complete report explaining your project in detail.
- **Presentation / Demo** – A final presentation (with a demo if applicable) and Viva Voce session

Guidelines to be followed:

- Students should complete the project within the stipulated duration.
- Students will select a complex and meaningful problem relevant to industry or research.
- Student can work individually or in a group (max 2-3), as advised by course mentor.
- Use advanced tools like Tensor Flow, scikit-learn, Tableau, or cloud platforms, as and if required.
- The project should show clear innovation, depth, and professional quality.
- Maintain a project logbook or file with weekly updates, as advised by course mentor.
- Review meetings with faculty mentor(s) should be conducted every 2–3 weeks.
- The final report / dissertation should follow academic standards (proper structure, citations, and ethical practices).
- Plagiarism, unethical practices, or misrepresentation should be strictly avoided.
- Preparation for a final viva/demo of the project to be presented to a panel.

Major Project Course Assessment:

CO	Description	Assessment Activity	Weightage
CO1	Formulate a complex, research-oriented data science problem	Detailed Proposal + Problem Framing Review	10%
CO2	Apply advanced DS workflows & tools	Workflow/Architecture Document + Codebase Review	25%
CO3	Evaluate model performance, iterate, and refine	Evaluation Metrics Report + Iteration Logs	25%
CO4	Present comprehensive work with professionalism and ethics	Final Report + Viva + Demo	40%
		Total	**100%**

Bridge Course on Mathematics and Statistics:

Course: Basic Mathematics and Statistics

This is a bridge course for those students who do not have the Mathematics/Statistics/Quantitative Techniques as a course in their undergraduate or higher secondary level. This is a Non-Credit course and students will learn the course simultaneously with first semester courses.

Course Objective:

1. To acquire the knowledge of mathematical tools and statistical operations.

2. To identify the techniques to solve optimization problems

3. To apply probability distribution to socio, economic- demographic data

4. To examine sampling techniques and different statistical tests in order to support fact-based decision making.

Course Outcomes:

1. Understand the basics of mathematics and statistics.
2. Explain the importance of quantitative techniques in solving socio-economic problems
3. Analyse the data in scientific ways
4. Evaluate the inferences and results in a scientific manner.

Syllabus

Module 1

Set Theory; concepts of sets, set operators

Relations and functions

Functions involving more than one independent variable

Module 2

Differential Calculus – Derivatives - Basic concepts and its applications

First order and second order derivatives of various functions. Application of derivatives

Module 3

Introduction to probability using coins, dice and cards

Concept of addition (or) and multiplication (and), conditional probability, joint probability, mutually exclusive events

Module 4

Concept of correlation - Understanding positive and negative correlation and degree of association. Measuring Correlation coefficient

Understanding linear regression and regression coefficients

Regression equations

Suggested Books:

1. Baruah. S.N.,(2003)*Basic Mathematics and its Application in Economics*, 2nd edition. Macmillan Publishers, India.

2. Sharma J. K.(2006) *Business Statistics,* 2nd Edition, Pearson

3. Bajpai. N. (2013) *Business Statistics,* 2nd Edition, Pearson

Agenda AC.11/2025-11/06:

Proposal for Introducing Dual Degree B.Tech.–MBA Programme (4+1)

A proposal to introduce a Dual Degree B.Tech.–MBA Programme (4+1), integrating the disciplines of Engineering and Management from the Academic Session 2026–27, is placed before the Council for discussion and necessary approval. (placed at annex-IV)

Resolution AC.11/2025-11/06:

Resolved to approve the proposal for introducing the Dual Degree B.Tech.–MBA Programme (4+1), integrating Engineering and Management disciplines and commencing from the Academic Session 2026–27, completing the required regulatory and administrative processes.

Annex-IV

GIRIJANANDA CHOWDHURY UNIVERSITY, ASSAM

Department of Business Administration

Proposal for Introducing Dual Degree B.Tech - MBA Programme

1. Introduction

A Dual Degree B.Tech.-MBA program integrating the disciplines of Engineering and Management is proposed to be introduced from the Academic Session 2026-27. Designed as a single, cohesive course, it can be completed in five years, compared to the six years required if pursued separately. The program seeks to blend two distinct yet complementary domains, enabling students to explore their interests in both areas while enhancing their professional versatility. With its well-established School of Engineering (SoE) and School of Management & Commerce (SoMC), Girijananda Chowdhury University, Assam offers strong faculty expertise and state-of-the-art infrastructure to support this initiative. The proposed program is expected to create a synergistic impact by integrating the strengths of both Engineering and Management.

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2. Nomenclature of the Programme

Dual Degree B.Tech.-MBA

3. Duration of the Programme

A one-year MBA module undertaken after the successful completion of a four-year B.Tech. programme with selected management courses completed alongside the B.Tech. Curriculum.

4. Programme Objectives

- To develop techno-managerial professionals equipped with strong engineering knowledge and managerial competencies to address complex real-world challenges.
- To foster innovation, leadership, and entrepreneurial skills by integrating technical expertise with business acumen.
- To prepare graduates for dynamic career opportunities in technology-driven industries, management roles, and entrepreneurship through a multidisciplinary learning approach.

5. Programme Outcomes

- To produce competent techno-managerial professionals with a strong foundation in engineering principles and managerial practices.
- To integrate technical knowledge with business decision-making skills, enabling graduates to effectively bridge the gap between technology and management.
- To foster innovation, creativity, and entrepreneurial thinking for developing sustainable solutions to real-world problems.
- To cultivate leadership qualities, ethical values, and effective communication skills essential for managing teams and organizations.
- To enhance analytical, problem-solving, and critical thinking abilities through experiential and project-based learning.
- To prepare students for diverse career opportunities in industries, research, consultancy, and entrepreneurship.
- To encourage lifelong learning and adaptability in response to evolving

technologies and global business environments.

- To contribute to national and global development by producing professionals capable of driving growth through technology and management excellence.

6. Eligibility and progression

All B.Tech. Students who have successfully earned a minimum of 50 credits – comprising 28 credits from courses embedded within the B.Tech. Curriculum and 22 credits from courses offered concurrently during the 5th to 8th Semesters – shall be eligible for admission to the MBA Lateral module (i.e., the fifth year or the final/second year of the MBA programme) under the Dual Degree framework.

Eligible students upon successful completion of the four-year B.Tech. Programme, may seamlessly progress to the fifth year (9th and 10th Semesters) to complete the MBA curriculum without any academic interruption.

Moreover, eligible students who wish to pursue the MBA Lateral module after a gap of one or more academic years following the completion of their B.Tech. Degree will be required to re-enroll for the MBA component of the programme.

In addition, eligible B.Tech. graduates who are employed in any organisation and wish to undertake the MBA Lateral module of the Dual Degree Programme may enroll afresh along with the MBA (Working Professionals) Batch, which is offered in a blended learning mode to ensure flexibility alongside their professional responsibilities.

7. Programme intake

60 (sixty) and shall be offered to all Engineering Branches, proportionately to the Branch's intake.

8. Area of Specialisations

Students enrolled in the Dual Degree B.Tech.-MBA programme will specialise in their respective Engineering discipline after completion of their first four years of study. In the 9th and 10th Semesters, they will have the opportunity to pursue dual specialisations in areas such as Marketing, Finance, Human Resources, or any other areas of

specialisation offered by the Department of Business Administration. The availability of these specialisations will, however, depend on the minimum number of students opting for each specialisation.

9. Multiple Exit Options

The programme offers flexibility through multiple exit options. A student may choose to exit after four years with a B.Tech. Degree, or continue to complete the fifth year to earn an MBA Degree. However, eligibility for any lateral exit option requires successful completion of the prescribed internship at the corresponding stage in accordance with NEP guidelines.

10. Total Programme Credits

Credit Distribution for MBA Component of Dual Degree Programme	
Credits exempted for Management-related Courses in B.Tech. Curriculum (*In case of shortfall, students can earn Credits through regular courses/MOOCs/SWAYAM*)	28 Credits
Credits transferred for undertaking Grand Project *(addressing a management-related problem area in addition to the engineering discipline)*	08-12 Credits
Credits to be earned from management courses alongside the regular B.Tech. programme *(5th to 8th Semesters)*	**22 Credits**
Credit to be earned from Courses in Fifth Year (9th & 10th Semesters)	**47 Credits**

Total Credit to be completed from MBA Lateral Module shall be minimum 100. Of these, students must complete –

- Earn 28 Credits from management-related courses embedded in B.Tech. Curriculum. In case of any shortfall, students can earn credit from regular courses/MOOCs/SWAYAM so as to fulfil the required 28 credits. List of Courses that may be considered for exemption in given in ***Annexure I***.
- A minimum of 22 Credits from Management minor courses offered during the 5th to 8th Semesters. There shall be two courses per Semester. Details of the same are given in ***Annexure II***.
- A minimum of 50 credits must be earned from the MBA component,

corresponding to the final/second year of the MBA programme (9th and 10th Semesters). Of these, 47 credits shall be obtained from courses offered during the final year of MBA programme. Three Credit allotted to Summer Internship Project shall be exempted for undertaking Grand Project, addressing a management-related problem area in B.Tech Programme and such credit shall be transferred for the award of MBA Degree.

The credit distribution per semester will be framed in accordance with the University regulations and AICTE guidelines.

11. Teaching Departments

A student enrolled in the Dual Degree B.Tech.-MBA programme will complete four years (1st to 8th Semesters) of the B.Tech. curriculum in their respective branch of Engineering at the School of Engineering (SoE), followed by the Fifth/final year (9th & 10th Semesters) at the Department of Business Administration under the School of Management & Commerce (SoMC).

During 5th to 8th Semesters, the student will also undertake Minor courses offered by the Department of Business Administration. In addition, each student will be assigned a Co-guide from the Department of Business Administration for their Grand Project, which must focus on a problem area related to the management domain along with their Engineering Specialisation area.

12. Proposed Fee Structure

The proposed fee structure for the Dual Degree B.Tech.-MBA programme is a given below –

5th to 8th Semesters: Fee structure for Engineering + Rs. 5,000/Semester

9th & 10th Semesters: Rs. 1,36,000/- (inclusive of Tuition Fee, Examination fee, Development fees, Student activity & welfare fund etc.)

Total Fee for the programme = Fee structure of B.Tech. programme + Rs. 1,56,000

However, students who opt to join the MBA Lateral module after a gap of one or more years will be required to pay an additional Rs. 20,000/-, which comprises of an admission fee of Rs. 10,000/- and refundable caution money of Rs. 10,000/-.

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13. Course Structure and Syllabus Designing

The course structure and detailed syllabi will be developed by the Programme Committee constituted for the Dual Degree B.Tech.–MBA Programme. This Committee shall comprise the Heads of all Engineering Departments and the Head of the Department of Business Administration.

14. AICTE approval

As per AICTE Approval Process Handbook 2024-25 to 2026-2027, to include new nomenclatures in the Diploma/Under Graduate/Post Graduate Degree Courses, approval from the University/Board, as applicable along with the Curriculum and Syllabus shall be sent to the Policy and Academic Council, AICTE for approval (Chapter VIII, Point No. 5). As both B.Tech. and MBA Programmes are professional programmes and under the purview of the AICTE, the GCU Academic Council/GCU AICTE Cell, need to initiate the approval from the AICTE prior to introduction of the Dual-Degree B.Tech.-MBA programme effective from Academic Session 2026-2027.

Annexure – I

Tentative List of Exempted Courses that are embedded in B.Tech. Curriculum –

1. Principles of Management
2. Economics for Engineers
3. Financial Accounting
4. Computer Application
5. Design Thinking & Innovation
6. Production & Operations Management/Industrial Management/Construction Management
7. Entrepreneurship & Start-up
8. Industrial Laws

Total Credit : 32 [8 Courses × 4 Credits]

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Annexure – II

Proposed Courses from 5th to 8th Semesters

Semester	Name of the Courses
Fifth	Organisational Behaviour (3 Credit) Business Ethics (2 Credit)
Sixth	Research Methods in Business (3 Credit) Emotional Intelligence/Emotional Health & Wellbeing/Stress Management (2 Credit)
Seventh	Financial Management (3 Credit) Marketing Management (3 Credit)
Eighth	Human Resource Management (3 Credit) Legal Aspects in Business (3 Credit)

Total Credits : 22

Annexure III

Final Year Course Structure of MBA Programme

Third Semester				
Code	**Course**	**Category of Course**	**L-T-P**	**Total Credit**
MBA23601T	Business Policy and Strategic Management	Core	3-0-0	3
	Specialization – A1***	Elective	2-0-0	2
	Specialization – A2***	Elective	3-0-0	3
	Specialization – A3***	Elective	3-0-0	3
	Specialization – B1***	Elective	2-0-0	2
	Specialization – B2***	Elective	3-0-0	3
	Specialization – B3***	Elective	3-0-0	3
	Elective – II**	Elective	3-0-0	3
MBA23602R	Summer Internship Project	Core	0-0-6	3
			TOTAL	**25**

Fourth Semester				
Code	**Course**	**Category of Course**	**L-T-P**	**Total Credit**
MBA23603T	Corporate Environment	Core	3-0-0	3
MBA23604T	Entrepreneurship Management	Core	3-0-0	3
	Specialization – A4***	Elective	2-0-0	2
	Specialization – A5***	Elective	3-0-0	3
	Specialization – A6***	Elective	3-0-0	3
	Specialization – B4***	Elective	2-0-0	2
	Specialization – B5***	Elective	3-0-0	3
	Specialization – B6***	Elective	3-0-0	3
	Elective – III**	Elective	3-0-0	3

***Third Semester				
Code	**Course**	**Category of Course**	**L-T-P**	**Total Credit**
Finance				
MBA23605FT	Behavioural Finance	Elective	2-0-0	2
MBA23606FT	Tax Planning & Management	Elective	3-0-0	3
MBA23607FT	Investment Analysis & Portfolio Management	Elective	3-0-0	3
Human Resource				
MBA23605HT	Managerial & Behavioural Effectiveness	Elective	2-0-0	2
MBA23606HT	Industrial Relations & Labour Legislation	Elective	3-0-0	3
MBA23607HT	Organisational Change & Development	Elective	3-0-0	3
Marketing				
MBA23605MT	Brand Management & Advertising	Elective	2-0-0	2
MBA23606MT	Logistics & Supply Chain Management	Elective	3-0-0	3
MBA23607MT	Consumer Behavioural Analysis	Elective	3-0-0	3

Fourth Semester				
Code	**Course**	**Category of Course**	**L-T-P**	**Total Credit**

Finance				
MBA23608FT	Management of Financial Services	Elective	2-0-0	2
MBA23609FT	Advanced Corporate Accounting	Elective	3-0-0	3
MBA23610FT	Financial Engineering & Derivatives Management	Elective	3-0-0	3
Human Resource				
MBA23608HT	Strategic Human Resource Management	Elective	2-0-0	2
MBA23609HT	Performance Appraisal, Training & Development	Elective	3-0-0	3
MBA23610HT	Negotiation and Counselling	Elective	3-0-0	3
Marketing				
MBA23608MT	Sales & CRM	Elective	2-0-0	2
MBA23609MT	Marketing of Services	Elective	3-0-0	3
MBA23610MT	Rural Marketing	Elective	3-0-0	3
****Basket of Electives**				
Code	**Course**	**Category of Course**	**L-T-P**	**Total Credit**
MBA23518ET	Cost & Management Accounting	Elective	3-0-0	3
MBA23519ET	Operations Research for Industry	Elective	3-0-0	3
MBA23520ET	International Business	Elective	3-0-0	3
MBA23521ET	Foreign Language	Elective	3-0-0	3
MBA23522ET	Quality Control & Management	Elective	3-0-0	3
MBA23523ET	Project Management	Elective	3-0-0	3
MBA23524ET	Management of Social and Non-profit sectors	Elective	3-0-0	3
MBA23525ET	Luxury Brand Management	Elective	3-0-0	3
MBA23526ET	Design Thinking	Elective	3-0-0	3
MBA23527ET	Computer Language	Elective	3-0-0	3
MBA23528ET	Retail Management	Elective	3-0-0	3

Agenda AC.11/2025-11/07:

Restructuring and Renaming of Programmes and Approval of New Programmes

The following matters are placed before the Council for deliberation and necessary approval:

- Approval for increase of intake in B.Tech. Civil Engineering from 60 to 90
- Approval of new programme B.Tech. CSE (AI & ML) with an intake of 30
- Approval of B.Tech. ECE (Honours) in AI & ML, IoT, VLSI, 5G Technology, etc.
- Approval of 3-month/6-month/1-year Certificate Courses in Cyber Security
- Renaming of M.Tech. (VLSI) to M.Tech. Electronics and Electrical Technology
- Renaming of M.Tech. Civil (SE) to M.Tech. Civil Engineering
- Proposal to incorporate MDC courses (offered by all schools) as Open Electives for all UG students

Resolution AC.11/2025-11/07:

Resolved that the proposals relating to restructuring, renaming, and introduction of new academic programmes, as placed before the Council, be approved.

7.1 Resolved to increase the intake of B.Tech. Civil Engineering from 60 to 90.
7.2 Resolved to approve the introduction of the new programme B.Tech. CSE (AI & ML) with an intake of 30 is approved.
7.3 Resolved to approve the proposal for B.Tech. ECE (Honours) with specializations in AI & ML, IoT, VLSI, 5G Technology, etc.,
7.4 Resolved to approve the 3-month/6-month/1-year Certificate Courses in Cyber Security.
7.5 Resolved to approve the renaming of M.Tech. (VLSI) to M.Tech. Electronics and Electrical Technology.
7.6 Resolved to approve the renaming of M.Tech. Civil (SE) to M.Tech. Civil Engineering
7.7 Resolved to approve the proposal to incorporate MDC courses offered by all schools as Open Electives for all UG students.
7.8 Resolved further that the concerned Schools and Departments shall take necessary steps for implementation from the upcoming academic session.

Agenda AC.11/2025-11/08:

Restructuring and Renaming of Programmes in the School of Allied Health Sciences

The following matters are placed before the Council for deliberation:

- Approval of increase in intake for BPT from 60 to 100
- Proposal to adopt Physiotherapy (UG & PG) syllabi as per the National Commission for Allied and Healthcare Professions (NCAHP) guidelines and circular
- Renaming of Medical Laboratory Technology (MLT) programmes to Medical Laboratory Science (MLS)

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The matter is placed before the Council for discussion and necessary action.

Resolution AC.11/2025-11/08:

8.1 Resolved to increase the intake of BPT from 60 to 100.

8.2 Resolved to adopt the Physiotherapy (UG & PG) syllabi as per the National Commission for Allied and Healthcare Professions (NCAHP) guidelines and circular.

8.3 Resolved to rename the Medical Laboratory Technology (MLT) programmes as Medical Laboratory Science (MLS).

AC.11/2025-11/9: Approval of PhD supervisor/s

The applications of the following faculty members, seeking recognition as PhD supervisors, are placed before the Council for consideration and approval:

Application of faculty members who have applied for PhD supervisor is placed for the Council's approval.

1. Dr. Mona Alice Marbaniang -School of Humanities & Social Sciences
2. Dr. Prakash Khundrakpam -School of Humanities & Social Sciences
3. Dr. Ahana Choudhury -School of Humanities & Social Sciences
4. Dr. Fariza Saidin- School of Humanities & Social Sciences
5. Dr. Pallab Jyoti Das- School of Engineering & Technology
6. Dr. Dheeman Bhuyan- School of Engineering & Technology
7. Dr. Birina Bhuyan-School of Natural Sciences
8. Dr. Bhagyashree Mahanta-School of Natural Sciences
9. Dr. Shalini Ojha- School of Management & Commerce
10. Dr. Junumoni Das- School of Management & Commerce

The Council reviewed the applications and made the following deliberations.

Resolution AC.11/2025-11/9:

Resolved that Ph.D. supervisorship shall be granted to faculty members who have a minimum of one year of teaching experience and at least one post-Ph.D. publication in a refereed/indexed journal (such as Scopus), duly certified by the Director, RDC/Dean (Academic) GCU, and as and when the above conditions are fulfilled, the faculty member shall be recognized as a Ph.D. Supervisor.

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Agenda AC.11/2025-11/10:

Approval of Programme Committees (PC) and Departmental Advisory Committees (DAC)

The Programme Committees (UG & PG) and the Departmental Advisory Committees (DAC) constituted by various departments are placed before the Council for consideration and approval.

Resolution AC.11/2025-11/10:
Resolved that the Programme Committees (PC) for UG and PG programmes and the Departmental Advisory Committees (DAC), as placed before the Council, be approved.

AC.11/2025-11/11: Approval of Formative Assessment SOP

A proposal for the approval of the Standard Operating Procedure (SOP) for Formative Assessments in Undergraduate and Postgraduate programmes (placed at annex-V), in alignment with NEP 2020 and UGC guidelines, is placed before the Council for discussion and approval.

Resolution AC.11/2025-11/11:

Resolved to approve the Standard Operating Procedure (SOP) for Formative Assessments for Undergraduate and Postgraduate programmes. (placed at annex-V)

Annex-V

Girijananda Chowdhury University

Standard Operating Procedure (SOP)

for Formative Assessments in Undergraduate and Post Graduate programmes as per NEP 2020 and UGC guidelines

1.Introduction and Purpose

This SOP outlines the standardised procedures for planning, conducting, and evaluating formative assessments in undergraduate courses at Girijananda Chowdhury University , in alignment with the National Education Policy (NEP) 2020 and UGC guidelines. The primary purpose is to promote continuous learning, provide timely feedback to students, and shift from traditional summative evaluations to competency-based, holistic assessments that foster higher-order skills such as critical thinking, analysis, and application of knowledge. Formative assessments are designed to monitor student progress throughout the course, enabling

adjustments in teaching-learning processes to optimise outcomes for all learners. The Formative Assessment is also considered as Feedback for teachers to assess the effectiveness of teaching-learning strategies and testing of innovative practices. The course mentors must adopt multiple strategies for teaching learning and assessment based on the principle of Equity, by abandoning the traditional "one coat fits all" approach.

This SOP ensures emphasis on learner-centric education, moving away from high-stakes examinations toward continuous and comprehensive evaluation.

2. Scope

This SOP applies to all undergraduate and post Graduate programs (e.g., 1 year or 2 years PG, 3-year or 4-year Bachelor's degrees with multiple exit options) offered by the university, including multidisciplinary and vocational courses. It covers all faculty, students, and administrative staff involved in assessment processes. It does not cover summative or end-semester examinations.

3. Definitions

Formative Assessment: Ongoing evaluations conducted during the learning process to provide feedback and improve student performance, rather than for final grading. Examples include quizzes, assignments, and projects.

Continuous (Internal) Evaluation (CE): A system of regular assessments integrated into the curriculum, contributing to the overall grade through sessional work and mid-term evaluations.

Competency-Based Assessment: Evaluations focused on measuring learning outcomes, skills, and application rather than rote memorisation.

Holistic Assessment: Multidimensional evaluation covering cognitive, affective, and psychomotor domains, including intellectual, emotional, and practical skills.

4. Key Principles from NEP 2020

Assessments must be competency-based, promoting learning and development by testing higher-order skills like analysis and conceptual clarity.Shift from summative to formative assessments to reduce the 'coaching culture' and encourage continuous improvement. Use of criterion-based grading to ensure fairness and comparability of outcomes. Integration of technology for tracking progress and providing feedback. Flexibility for institutions to innovate assessment methods while aligning with learning goals.

5. Procedures

5.1 Planning Formative Assessments

At the beggining of each semester, course mentor shall develop an assessment plan aligned with the course learning outcomes, as per the Curriculum and Credit Framework for Undergraduate and Post graduate Programmes. The plan must include a mix of formative methods, with at least 40% weightage for CE in the overall grading. Submit the plan to the department head for approval within the first week of the semester.

5.2 Types of Formative Assessments

Formative assessments shall prioritise variety to suit the discipline and promote holistic development. Recommended methods include:

- Time-constrained quizzes or tests (closed-book/open-book).
- Problem-based assignments and homework.
- Practical/laboratory reports and observations of skills.
- Individual/team projects and reports.
- Oral presentations, seminars, and viva voce.
- Regularity in class activity/interactions and conduct.
- Internships, field-based learning, and community engagement projects.
- Participation in academic activities including sessions of experiential learning

5.3 Frequency and Scheduling

Conduct at least 3-4 formative assessments per course per semester, spaced evenly (e.g., weekly quizzes or bi-weekly assignments, tests in 4 weeks).Integrate assessments into the teaching schedule to provide ongoing feedback. (For final formative assessment we may pick the best two of these assessments)

5.4 Conducting Assessments

Use learner-centric pedagogies such as experiential learning, group discussions, and technology-aided tools (e.g., AI-based tracking or online platforms). Ensure inclusivity for diverse learners, including provisions for differently-abled students. Maintain transparency by sharing rubrics and criteria in advance.

5.5 Feedback Mechanism

Provide the students the detailed, constructive feedback within 7 days of each assessment and motivate them for improvement by providing remedial academic sessions and repeat assessment. Use holistic progress reports or digital dashboards to track individual student growth across cognitive, affective, and psychomotor domains. Solicit student feedback on assessments periodically to refine processes. The final score of Formative assessment must be notified to the students at least one week before the Summative Assessment (End Semester examinations).

5.6 Evaluation and Grading

Evaluate using criterion-based rubrics linked to learning outcomes. The Course mentors may either adopt letter grades: O (Outstanding, 10 points), A+ (9), A (8), B+ (7), B (6), C (5) or

absolute marking in the formative Assessment, out of which 40% weightage shall be taken as the Final score.

Tentative components of formative assessments in the CE (suggestive) weightage pattern is

Participation in academic activities including experiential learning sessions/visits etc	30%
Assignments, Presentation, Class tests (written, oral and practical experiments) etc	40%
Tests/quiz/online examinations etc	30%
Total in each CE	100

5.7 Use of Technology

Leverage AI tools such as "Google notebookLM", "quizzes" etc. for adaptive assessments and progress tracking. Employ online platforms for submissions, evaluations, and feedback to ensure efficiency and accessibility.

6. Responsibilities

Course Mentors/Faculty: Design, conduct, evaluate assessments, and provide feedback.
Department Heads: Approve plans, monitor implementation, and resolve issues in consultation with the dean of the school.
Students: Participate actively, seek feedback, and adhere to academic integrity and conduct. Discuss their problems with their respective mentors.
University Administration: Provide training to faculty members on NEP-aligned assessments, resources (e.g., technology), and oversight through quality assurance cells.

7. Documentation and Records

Maintain digital records of assessment plans, rubrics, student submissions, grades, and feedback.Archive all documents for at least 5 years or as per university policy.

8. Monitoring and Review

The Internal Quality Assurance Cell (IQAC) shall review formative assessment practices annually, incorporating student and faculty feedback.
Conduct academic audits to ensure compliance with NEP 2020 and UGC guidelines.
Update this SOP as per revisions in national policies or institutional needs.

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AC.11/2025-11/12: Any Other Matter:

12.1 Mandatory Collection of Internship Feedback from Companies and Organizations

A proposal regarding the mandatory collection of feedback from all companies and organizations where students are sent for internships is placed before the Council for discussion and necessary approval. The matter includes ensuring departmental responsibility for collecting, documenting, and forwarding structured internship feedback forms to the Training and Placement Cell.

Resolution AC.11/2025-11/12.1:

Resolved that feedback from all companies and organizations where students are sent for internships shall be made mandatory, and all departments must ensure that structured internship feedback forms are collected, documented, and submitted to the Training and Placement Cell for record and quality improvement purposes.

12.2 Payment for Faculty Engaged in Teaching Working Professional Programmes during Holidays

Resolution AC.11/2025-11/12.2:

Resolved that an amount of Rs. 500/-per class be paid to faculty engaged in Teaching Working Professional Programmes during Holidays.

12.3 Tribute to Zubeen Garg in Euphuism 2026

A proposal regarding the University's tribute to Zubeen Garg in Euphuism 2026 is placed before the Council for discussion and approval. The proposal includes incorporating his artistic and cultural legacy into academic and campus activities.

Resolution AC.11/2025-11/12.3:

Resolved that the University shall pay tribute to Zubeen Garg during Euphuism 2026 and plan to incorporate elements of his legacy into relevant academic and cultural activities.

12.4 Training and Orientation Programmes for Teaching and Non-Teaching Staff

A proposal for the HR Department to conduct Training and Orientation Programmes for both teaching and non-teaching staff as part of its departmental activities is placed before the Council for discussion and approval.

Resolution AC.11/2025-11/12.4:

Resolved that the HR Department shall conduct Training and Orientation Programmes for both teaching and non-teaching staff as part of its regular responsibilities to strengthen institutional capacity and enhance professional development.

As there was no other matter for discussion the meeting ended with a Vote of Thanks to and from the Chair.

Registrar
Member Secretary

GIRIJANANDA CHOWDHURY UNIVERSITY ASSAM

Vice-Chancellor
Chairman