

Guru Nanak Institute of Technology (GNIT)

Minutes of the 1st Academic Council Meeting 2025

Date: 10.06.2025

1st Academic Council meeting of 2025 for GNIT was held on 10th June, 2025 from 2:00 p.m. onwards to discuss the agenda as mentioned below which was notified (Vide Ref. No.: **Ref.: GNIT/AC/2025/01**) to the honorable members on 16th May, 2025.

Members present (Internal)

1	Prof.(Dr.) Swarup Kumar Mitra	Principal, President
2	Prof. (Dr.) Kakali Bandyopadhyay	Dean of Academics, Chairperson
3	Dr. Srabani (Biswas) Kundu	Member Secretary
4	Dr. Adhish Kr. Chakrabarty	Registrar, Ex Officio Member
5	Dr. Sunipa Roy	Dean of R & D, Member
6	Dr. Sucharita Chakrabarti	Dean of Student Affairs, Member
7	Dr. Barnali Kundu	HOD, EE Dept., Member
8	Dr. Avali Banerjee	HOD, ECE Dept., Member
9	Mr. Chiranjeeb Dutta	HOD, CA Dept., Member
10	Dr. Indrajit Bose	HOD, ASHU Dept Member
11	Mrs. Bapita Roy	HOD, AEIE/ECSE Dept., Member
12	Ms. Suparna Karmakar	HOD, IT Dept., Member
13	Dr. Suman Bhattacharya	HOD, CSE Dept., Member
14	Mr. Sudip Ghosh	Faculty Member
15	Dr. Dolanchapa Sikdar	HOD, FT Dept.
16	Dr. Suparna Biswas	COE
17	Mr. Gaurav Majumder	HOD, BBA Dept.

Members Present (External) :

1.	Mr. Indranil Roy Chowdhury	Associate Director, CTS, Kolkata
2.	Prof. (Dr.) Jaydeb Bhaumik	Department of Electronics & Telecomm, Engineering, Jadavpur University
3.	Prof. (Dr.) Aparajita Sengupta	Electrical Engineering Department, IEST, Shibpur
4.	Prof.(Dr.) Rajat Kumar De	Machine Intelligence Unit, ISI , Kolkata
5.	Prof.(Dr.) Asit Kumar Das	Department of Computer Science & Technology, IEST, Shibpur
6.	Prof.(Dr.) Runu Chakrabarty	Dept. of Food Technology and Bio-Chemical, Engineering, Jadavpur University

Members Absent (External)

1.	Prof.(Dr.) J.K.Das	Department of Commerce, University of Calcutta
2.	Prof. (Dr.) Joydeep Chowdhury	Department of Physics, Jadavpur University

AGENDA of the Meeting of the 1st Academic Council, 2025:

1. Confirmation and approval of the minutes of the last Academic Council meeting held on **September 25, 2024.**
2. To note and ratify the follow-up actions taken based on the decisions of the last meeting.
3. Discussion and approval of the **5th Semester B.Tech syllabus (R23 Curriculum)** for **CSE, ECE, EE, FT, IT, and ECS**, effective from the 2023–24 batch in line with the NEP 2020 model curriculum.
4. Discussion and approval of the **3rd Semester Syllabus of AIML (CSE) and Cyber security (CSE)**, effective from the 2024–25 batch.
5. Discussion and approval of the **3rd Semester BBA syllabus** under AICTE, effective from the 2024–25 batch.
6. Discussion and approval of the **3rd Semester BCA syllabus** under AICTE, effective from the 2024–25 batch.

7. Discussion and approval of the **3rd Semester M.Tech. Syllabus of Food Technology department**, effective from the 2024–25 batch.
8. Discussion and approval of the **M.Tech Curriculum Structure (R25 Curriculum) and 1st Semester Syllabus of CSE Department**, effect from 2025-26 batch.
9. Discussion and approval of the **B.Tech Curriculum Structure (R25 Curriculum) and 1st Semester Syllabus** for CSE, ECE, EE, FT, IT, and ECS, in line with the NEP 2020 model curriculum with effect from 2025-26 batch.
10. Identification of **Slow and Advanced Learners** for the **Odd Semester, 2024–25**.
11. **Result analysis** of the **Autonomous Odd Semester Examinations, 2024–25**.
12. **Student Placement Report**.
13. Review of **Research and Development activities** by faculty and students.
14. Summary of **Conferences, Workshops, and Other Programs organized**.
15. Acknowledgement of **Faculty and Student Achievements**.
16. List of paper setters & moderators for even sem. 2025 exam approved by BOS members.
17. Any other relevant matters with the permission of the Chair.

Resolutions :

Agenda 0: To start the day's proceedings

Prof. (Dr.) Swarup Kumar Mitra, the Principal and the council's president welcomed all members and initiated the AC meeting. Prof. (Dr.) Kakali Bandyopadhyay, Dean of Academics, Chairperson of the council, gave the opening address and requested the Member Secretary, Dr. Sraboni (Biswas) Kundu to start the day's proceedings.

Member secretary then presented the composition of the Academic Council (AC) as per the guidelines of the UGC, list of AC members as approved, and read the Notice and Agenda of the current meeting. A leave of absence was granted.

Agenda 1: To confirm and approve the last minutes of AC meeting held on 23rd February, 2024.

Minutes of the meeting of last academic council was approved and confirmed by the respected members.

Agenda 2: To note and ratify the follow-up action taken pursuant to the last meeting held on 25th September, 2024.

All action-taken points, as per the suggestion of the members in the last meeting were placed in brief as follows.

Sl. No.	Resolution	Action Taken
1	Prof. Aparajita Sengupta proposed to consider the incorporation of 6 month internship in place of the proposed 1 month in due course, as per the industry requirement.	The advise has been discussed at length at BOS and a suitable time frame is being identified
2	Mr. Indranil Roychowdhuri, inquired about the components of the Design Thinking paper and suggested giving more focus and stress in the contents of the papers related to the data interpretation and data analysis as per the industry demand.	More emphasis is being given through extra classes and also the same had been planned for BCT classes. Practical case based workshop on Design Thinking is planned on 2 May 2025.
3	In Sem. 2, course code BCA24-CC-202 for “Basics of Web Design Using HTML, CSS, JavaScript course has to be changed to “Basics of Web Design” and BCA24-CC-292 to the corresponding “Basics of Web Design Lab”.	It will be amended in the curriculum as per the suggestion of the experts
4	In Sem.7, course code BCA24-CC-701A for the “Data Mining & Data Warehousing” course has to be changed to “Data Mining” and BCA24-CC-791A to the corresponding “Data Mining Lab”, for course code BCA24-CC-701D the course name is “Algorithm Analysis” which is to be changed to “Design and Analysis of Algorithms” and BCA24-CC-791A to the corresponding “ Design and Analysis of Algorithms Lab”.	It will be amended in the curriculum as per the suggestion of the experts
5	Dr. Sucharita Chakrabarti, a senior Mathematics teacher expressed her concern about the absence of a basic mathematics paper in the BCA curriculum. Prof. Rajat De also agreed with the point and suggested including Mathematics and Statistics papers which might help the students to develop the fundamental concepts of computer science.	One course of basic mathematics is included in the syllabus of BCA 2nd semester under Multi-Disciplinary Elective Course(MEC) type. The paper details - Course Type : Multi-Disciplinary Elective Course(MEC) Course Code : GE3B-04 Course Name : Mathematics for Computing Credit : 3
6	The industry expert also suggested including one paper related to Software Testing in the syllabus which might help the students during their placements.	It will be amended in the curriculum as per the suggestion of the experts
7	After the presentation of ECE HOD for the coming 4th sem., Prof. Rajat De suggested shifting Signal & Systems (EC 402) to the 3rd semester whereas Numerical Methods (M(EC)301) to the 4th semester, in the next curriculum if possible. Similarly, the Probability and Statistics (M(EC)401) were	It will be amended in the next curriculum as per the suggestion of the experts

	suggested to be shifted to the 3rd semester in the next curriculum if possible. Also, the inclusion of Computer Organization and Architecture in the 3rd semester was suggested for the next curriculum.	
8	For EE 4th semester, after looking at the syllabus contents, Prof. Joydeep Chowdhury suggested renaming the “Electromagnetic Field Theory” paper to only the “Electromagnetic Theory” paper.	It is discussed in the BOS meeting and decided that this change will be incorporate in the R25 SYLLABUS.
9	The Industry expert stressed the importance of starting an incubation center, rather than focusing on the patents only when patent grant/publication status was highlighted in the meeting.	We appreciate and fully acknowledge the valuable insight provided regarding the establishment of an incubation center. We agree that fostering such an ecosystem is essential to promote innovation, support early-stage ventures, and translate research outputs into impactful real-world applications. We will actively explore the necessary steps to initiate an incubation center, aligning it with our institutional goals and long-term vision for sustainable innovation and entrepreneurship. Some steps already been taken: We have received the fund (Rs 50000) from WBDST to establish an IPR cell. A milestone has been achieved by having a grant of 90 Lacs from AICTE to establish an AICTE IDEA Lab, that is under process. In the A.Y. 2025-26 we have multiple strategies to enhance the entrepreneurial activity through IIC Cell GoI, and institutional EDC Cell. We have already received some fund (Rs 10 000) from IEEE SIGHT group to encourage students through different events to boom as future entrepreneur. We are also organizing 2 days seminar " Bhavisya Entrepreneur" through alumni entrepreneurship network by July 2025.

All points were noted by the members and they were satisfied.

Agenda 3: Discussion and approval of the 5th Semester B.Tech syllabus (R23 Curriculum) for CSE, ECE, EE, FT, IT, and ECS, in line with the NEP 2020 model curriculum

Based on the suggestions of the members of the BOS meeting of each department held on,

- 11th April, 2025 for the dept. of Electrical Engineering (EE)
- 11th March, 2025 for the dept. of Food Technology (FT)
- 21st March, 2025 for the department of Electronics & Computer Science Engineering (ECS)
- 24th March, 2025 for the department of Computer Science & Engineering (CSE)
- 6th March, 2025 for the department of Information Technology (IT)
- 25th March, 2025 for the department of Electronics & Communication Engineering (ECE)

5th Semester syllabi as prepared under R23 (NEP 2020) were placed to the AC meet members for their final approval for necessary implementation from 2025-26 academic session w.e.f. July 2025.

All agreed with the detailed semester-wise syllabus.

Agenda 4: Discussion and approval of the 3rd Semester B.Tech syllabus aligned with NEP 2020 for AIML (CSE) and Cyber security (CSE), effective from the 2024–25 batch

Based on the suggestions of the members of the BOS meeting held on **24th March 2025**, B.Tech. Syllabus were prepared for AI-ML (CSE) and Cybersecurity (CSE) under R23 (NEP 2020) and placed to the AC meet members for their approval to implement it for the 2025-26 academic session.

All agreed with the detailed semester-wise syllabus.

Agenda 5: Discussion and approval of the 3rd Semester BBA syllabus under AICTE, effective from the 2024–25 admission batch

Based on the suggestions of the members of the BOS meeting held on **2nd April, 2025**, 3rd semester Syllabus was prepared for BBA and placed to the AC meet members for their approval to implement it from academic session of 2025-26.

All agreed with the curriculum structure and the detailed semester-wise syllabus.

Agenda 6: Discussion and approval of the 3rd Semester BCA syllabus under AICTE, effective from the 2024–25 admission batch.

Based on the suggestions of the members of the BOS meeting held on **5th May, 2025**, 3rd semester Syllabus was prepared for BCA and placed to the AC meet members for their approval to implement it from academic session of 2025-26.

All agreed with the detailed semester-wise syllabus.

Agenda 7: Discussion and approval of the 3rd Semester M.Tech. Syllabus in Food Technology, effective from the 2024–25 batch.

Based on the suggestions of the members of the BOS meeting held on **11th March 2025**, 3rd Semester M.Tech. Syllabus were prepared for Food Technology under NEP 2020 and placed to the AC meet members for their approval to implement it for the 2025-26 academic session.

All agreed with the detailed semester-wise syllabus.

Agenda 8: Discussion and approval of the M.Tech Curriculum Structure (R25 Curriculum) and 1st Semester Syllabus of CSE and ECE Department, effect from 2025-26 batch

The curriculum structure and syllabus of both CSE and ECE departments have been verified by the experts of the academic council. All agreed with the curriculum structure and detailed semester-wise syllabus.

Agenda 9: Discussion and approval of the B.Tech Curriculum Structure (R25 Curriculum) and 1st Semester Syllabus for CSE, ECE, EE, FT, IT, and ECS, in line with the NEP 2020 model curriculum with effect from 2025-26 batch.

Dr. Sraboni Biswas emphasised following common salient features of new curriculum structure (R25) with effect from 2025-26 batch

- Introduction of Internship
- Reduction of Load for Final Year (remaining papers distributed between 1–6 Sem)
- Structure of all depts were progressively shown
- 3 professional core papers were introduced in the 1st and 2nd Sem

The suggestions given by the experts in the AC Meeting held on 10.06.2025, for the CSE syllabus are as follows.

- i) Dr. Rajat Dey, Dr. Asit Kumar Dey and Mr. Indranil Roychowdhury asked about the contents of the AI Lab and was requested to give suggestions for the lab content.
- ii) Experts suggest that optional papers need to be introduced from 5th semester for the syllabus of cybersecurity. They also suggest to check the overall organization of the curriculum structure
- iii) Mr. Roychowdhury queried about the contents of the DBMS Lab and made suggestions for introducing NoSQL (like Cassandra).
- iv) Mr. Roychowdhury asked about whether Generative AI could be taught, also introduction of design patterns, not just design thinking! Also inquired whether Alexa was taught in Natural Language Processing — as providing valuable exposure to students. (Also mentioned Mobile Computing paper being important.)

Point of Action: CSE Dept. syllabus Committee

- i) Prof. Runu suggested removal of the “Beverages” from Fruits, Cereals & Beverages.

Point of Action: FT Dept. syllabus Committee

- i) Experts have suggested to maintain the sequence of Machine learning deep learning and generative AI properly for the curriculum of IT Department.

Point of Action: IT Dept. syllabus Committee

- i) Aparajita Madam has suggested to introduce the Utilization of Electric Power later in the curriculum.
- ii) Basic Electronics & Electrical paper should be named as Basic Electrical & Electronics (as per AICTE norms). Aparajita madam queried about the contents of Electrical & Hybrid Vehicle Lab

Point of Action: EE Dept. syllabus Committee

- i) Prof. (Dr.) Jaydeb Bhaumik suggested that Analog communications should be introduced in the curriculum, and Introduce the paper of Communication Systems Engineering.

Point of Action: ECE Dept. syllabus Committee

- i) Experts have suggested to rename the paper “Computer Networking” by “Computer Networks” and introduce a module on signal and system in the subject Digital Signal Processing.

Point of Action: ECS Dept. syllabus Committee

- i) Experts have suggested to rename the paper “Design Algorithm and Analysis” by “Design and Analysis of Algorithms”.

Point of Action: Syllabus Committee of All departments

Agenda 10: Identification of Slow and Advanced Learners for the Odd Semester, 2024–25.

Identification & methods used for dealing with Slow and Advanced learners was discussed with impact analysis.

Prof. Rajat De asked about how students pay registration for conference. Mr. Roychowdhury asked whether counselling was done for students by a qualified psychologist. Also that identities of slow learners should be concealed or kept confidential.

It was suggested that statistics of students opting for higher studies should be given in the PPT from the next AC Meeting.

Point of Action: Academic Council, GNIT

❖ Agenda 11: Result analysis of the Autonomous Odd Semester Examinations, 2024–25.

Detailed result analyses were presented for the last odd semester with the bar graph comparisons to the respective previous batches, where significant improvements were noticed, particularly, from the 3rdth semester onwards.

❖ **Agenda 12: Students' Placement Report**

A comparative analysis of placement data of 2025 passout batch, 2024 passout batch and 2023 passout batch have been shown. Experts has suggested to arrange training on recent technologies and mock interview for the students for better placement

Point of Action: T&P Cell and All HoD

❖ **Agenda 13: Review of Research and Development activities by faculty and students**

List of indexed paper has been presented and Experts has appraised it and they also suggested to publish more papers in the quality journals.

❖ **Agenda 14: Summary of Conferences, Workshops, and Other Programs organized**

The events organized in different departments were reported along with relevant pictures to all members of the meeting. All appreciated the efforts of the departments.

❖ **Agenda 15: Acknowledgement of Faculty and Student Achievements (September 2024 – 10th June, 2025)**

Various achievements of faculty and staff members as well as the students were shared with the members of Academic Council which were appreciated by them.

❖ **Agenda 16: Approval of the list of Paper setters & Moderators for semester exam. 2025 of different departments**

Dr. Suparna Biswas, the COE of GNIT Exam Cell, informed all members about the paper setters & the moderators of different departments for the upcoming semester exam. of 2025. Everybody was satisfied with the initiative of the exam cell.

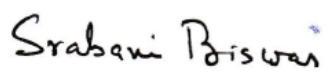
Agenda 17 : Two relevant issues with the permission of Chair

- i) **Utilization of Common resources for different departments:** All experts agreed that this will maximizes the use of existing assets like labs, classrooms, and IT facilities, prevents underutilization and wastage of departmental assets as well as it help to aligns with modern academic practices that promote broad, integrative learning experiences.

- ii) **Rotation of headship in different department:** All Academic Council experts unanimously recommended the rotation of departmental headship every 2 to 3 years. This practice offers several key advantages, such as:
- Providing leadership opportunities to a broader group of faculty members.
 - Building a pool of experienced leaders for future administrative responsibilities.
 - Ensuring smooth transitions and operational continuity within departments.
 - Promoting the dissemination of institutional knowledge, preventing its concentration with a single individual.

This rotational model fosters transparency, inclusivity, and long-term institutional growth.

Meeting was ended with vote of thanks by the Chairperson.

Dr. Sraboni (Biswas) Kundu
Member Secretary,
Academic Council, GNIT

Copy to:

1. Principal
 2. External Members of Academic Council
 3. Head of the Departments- ECS, ASHU, CSE, CA, ECE, EE, FT, IT, BBA - with a request to circulate among the AC members of their departments.
 4. Controller - Examination Cell
 5. Registrar
 6. Library
 7. TPO Cell
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