

Guru Nanak Institute of Technology (GNIT)

Minutes of the 2nd Academic Council Meeting 2024

Date: 25.09.2024

2nd Academic Council meeting of 2024 for GNIT was held on 25th September at 2.30 p.m. to discuss the agenda as mentioned below which was notified (Vide Ref. No.: GNIT/AC/2024/02) to the honourable members on 25th September, 2024.

Members present (Internal)

1. Prof.(Dr.) Swarup Kumar Mitra : Principal & Chairman
2. Prof. (Dr.) Sucharita Bhattacharyya : Professor, & Member Secretary
3. Prof. (Dr.) Kakoli Bandyopdhyay : Dean (Academics)
4. Dr. Sunipa Roy : Dean (R & D)
5. Dr. Sucharita Chakrabarti : Dean (Student Affairs)
6. Dr. Barnali Kundu : HOD, EE Dept., Member
7. Dr. Avali Banerjee : HOD, ECE Dept., Member
8. Mr. Chiranjeeb Dutta : HOD, CA Dept., Member
9. Dr. Indrajit Bose : HOD, ASHU Dept Member.,
10. Mrs. Bapita Roy : HOD, AEIE/ECSE Dept., Member
11. Ms. Suparna Karmakar : HOD, IT Dept., Member
12. Dr. Suman Bhattacharya : HOD, CSE Dept., Member
13. Dr. Srabani Kundu : Associate Professor, Member
14. Mr. Sudip Ghosh : Assistant Professor, Member
15. Dr. Dolanchanpa Sikdar : HOD, FT Dept.
16. Dr. Suparna Biswas : Associate Professor, COE
17. Mr. Gaurav Majumder : HOD, BBA Dept.

Members Present (External) :

18. Prof. (Dr.) Jaydeb Bhaumik : Department of Electronics & Telecomm.
Engineering, Jadavpur University
19. Prof.(Dr.) Runu Chakrabarty : Dept. of Food Technology and Bio-Chemical
Engineering, Jadavpur University
20. Mr. Indranil Roy Chowdhury : Associate Director, CTS, Kolkata
21. Prof. (Dr.) Joydeep Chowdhury : Department of Physics, Jadavpur University
22. Prof. (Dr.) Aparajita Sengupta : Electrical Engineering Department , IEST,
Shibpur
23. Prof.(Dr.) Rajat Kumar De : Machine Intelligence Unit, ISI , Kolkata

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| 24. Prof.(Dr.) Asit Kumar Das | : Department of Computer Science & Technology,
IEST, Shibpur |
| 25. Prof.(Dr.) J.K.Das | : Department of Commerce, University of Calcutta |

Members Absent (Internal)

1. Dr. Adhish Kr. Chakrabarty : Registrar, Ex Officio Member

AGENDA of the Meeting of the 2nd Academic Council, 2024 was :

1. To confirm and approve the minutes of last AC meeting held on 23rd February 2024.
2. To note and ratify the follow-up action taken pursuant to the last meeting held on 23rd February 2024.
3. Discussion & Approval of BBA Curriculum and syllabus (1st & 2nd sem.) under AICTE w.e.f. 2024-25 batch of students
4. Discussion & Approval of BCA Curriculum and syllabus (1st & 2nd sem.) under AICTE w.e.f. 2024-25 batch of students
5. Discussion & Approval of B.Tech. Curriculum and syllabus (1st & 2nd sem.) following NEP 2020 for new AI-ML (CSE) and Cybersecurity (CSE) courses w.e.f. 2024-25 batch of students
6. Discussion & Approval of the New M.Tech. in Food Technology Curriculum & Syllabus (1st & 2nd Sem.) for the new batch of students w.e.f. 2024-25.
7. Discussion and Approval of R23 4th Semester (for 2023-24 batch) B.Tech. Autonomy Syllabus as per NEP 2020 model curriculum.
8. Result Analysis for Autonomy Even Sem. 2023-24 Examination
9. Students' Placement Report
10. Research & Developmental activities of faculty and Students (February 2024 – August 2024)
11. Conferences/Workshop/Other programs organized during (February 2024 – August 2024) : The Reports
12. Orientation & Induction Program for 2024-25 batch of students
13. Faculty and Student Achievements
14. Other relevant issues with the permission of Chair
 - i) Students' Admission Status (2024-25)
 - ii) Approval of paper setter & moderator for upcoming odd sem. 2024 exam.

Resolutions :

❖ **Agenda 0: To start the day's proceedings**

Prof. (Dr.) Swarup Kumar Mitra, the Principal and the council's Chairman welcomed all members and initiated the AC meeting and requested the Member Secretary, Dr. Sucharita Bhattacharyya to start the day's proceedings. He also intimated about the inclusion of 5 new AICTE approved courses for BBA, BCA, B.Tech. [AI-ML (CSE)], B.Tech. [Cybersecurity (CSE)], and for M.Tech. in Food Technology to the Academic Program of GNIT w.e.f. 2024-25 batch of the students.

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 23rd February. 2024.**

All action-taken points, as per the suggestion of the members in the last meeting (August 2023) were placed in brief as follows.

Sl. No.	Resolution	Action Taken
1.	It was observed that in EE 7th and 8th sem. syllabi as 2 core courses were included unlike others, no provision was there to include Professional and Open Elective labs corresponding to the respective theory papers, even for subject like Blockchain. Considering the restrictions of AICTE total credit points, it was suggested in the last meeting by Prof. Asit Das, Prof. Rajat De and Mr. Indranil Roychowdhury, to assign at least some case studies to the students to supplement the theory papers for better understanding of the critical subject. They suggested to follow the same for IT also, as they couldn't include the Blockchain laboratory in their syllabus for same reason,	The Depts. agreed to implement the suggestions from the next semester (8 th).
2.	The subject name for Paper code CS-D-701/791 was suggested to replace by "Data Mining/DM Lab" in place of "Data Mining and Data Warehousing/DMDW Lab", for Paper code PEC-CS-T-801, be "Graph Algorithms" in place of "Advance Graph Algorithms".	CSE dept. is processing to implement these from their next batch of students.
3.	Under Professional Elective category of 8th semester for FT students, Prof. Runu Chakraborty proposed to change the subject name from Plant Maintenance, Safety and Hygiene to Plant Operation Maintenance, Safety and Hygiene.	FT department is processing to implement the change from their next semester (8 th).
4.	It was suggested by Mr. Indranil Roychowdhury, the industry expert, that for the students having SGPA below 7, special care must be taken by arranging remedial classes and talking to their guardians as most of them were found to be admitted either as late or lateral entry students and having a very weak academic background.	Concerned depts. took the necessary steps and are reflected in their semester results.

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

Agenda 3: Discussion & Approval of BBA Curriculum and syllabus (1st & 2nd sem.) under AICTE w.e.f. 2024-25 batch of students

Based on the suggestions of the members of the BOS meeting held on ...21stSeptember, 2024, BBA Curriculum and Syllabus were prepared under NEP 2020 and placed to the AC meet members for their approval to implement it for 2024-25 academic session.

Discussions are summarized below.

- BBA Head, Mr. Gaurav Majumder explained that as per NEP, credits were distributed for 4 yr.-course. Then he presented the entire course structure detail mentioning major, minor, elective

and other AICTE-specified categories. Then a brief general discussion took place among the external experts about the conditions of satisfying the criteria for the honours degree in BBA course like other 4-year courses under NEP and the duration of the post-graduation courses, to be followed, if any.

- ii) 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.
- iii) 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.

Point of Action: BBA Dept. syllabus Committee

Agenda 4: Discussion & Approval of BCA Curriculum and syllabus (1st & 2nd sem.) under AICTE w.e.f. 2024-25 batch of students

Based on the suggestions of the members of the BOS meeting held in the 3rd week of September 2024, the BCA Curriculum and Syllabus were prepared under NEP 2020 and placed to the AC meet members for their approval to implement it for the 2024-25 academic session.

The suggestions given by the experts in the AC Meeting held on 25.09.2024, for the BCA syllabus are as follows.

- i) 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”.
- ii) 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”.
- iii) 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.
- iv) The industry expert also suggested including one paper related to Software Testing in the syllabus which might help the students during their placements.

Point of Action: BCA Dept. syllabus Committee

Agenda 5: Discussion & Approval of B.Tech. Curriculum and syllabus (1st & 2nd sem.) following NEP 2020 for new AI-ML (CSE) and Cybersecurity (CSE) courses w.e.f. 2024-25 batch of students

Based on the suggestions of the members of the BOS meeting held on 12th August 2024, B.Tech. Curriculum and 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 2024-25 academic session.

- i) It was found that 1st yr. (both 1st and 2nd sems.) syllabi are similar to those for B.Tech. CSE syllabus. But from 3rd sem. onwards stream-specific subjects are included in the curriculum & the syllabus which are the requirements of the present-day recruiting companies/industries in the IT sectors. HOD explained all the relevance of the chosen compulsory and elective papers as per the market demand.
- ii) Prof. De inquired about the Numerical Analysis and its components, Mr. Roychowdhury about the students' required Python knowledge exposure before Blockchain introduction. HOD, CSE answered in affirmative. Industry expert suggested the desirable faculty knowledge upgradation. All agreed.

Point of Action: CSE Department

Agenda 6: Discussion & Approval of the New M.Tech. in Food Technology Curriculum & Syllabus (1st & 2nd Sem.) for the new batch of students w.e.f. 2024-25.

Based on the suggestions of the members of the BOS meeting held on 20th September 2024, M.Tech. Curriculum and Syllabus were prepared for Food Technology under NEP 2020 and placed to the AC meet members for their approval to implement it for the 2024-25 academic session.

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

Agenda 7: Discussion and Approval of R23 4th Semester (for 2023-24 batch) B.Tech. Autonomy Syllabus as per NEP 2020 model curriculum.

These are the following suggestions given by the experts present in AC meeting.

- 1) 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 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.

Point of Action: ECE Department syllabus committee

- 2) 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.

Point of Action: EE Department syllabus committee

- 3) For the ECS, IT, CSE, and FT 4th semester syllabi, all concerned HODs highlighted few relevant shift/changes in respective R23 syllabi compared to the corresponding R21 contents.

All approved the changes.

❖ **Agenda 8: Result Analysis for Autonomy Even Sem. 2023-24 Examination**

Detailed result analyses were presented for the last even semester with the bar graph comparisons to the respective previous batches, where significant improvements were noticed, particularly, from the 4th semester onwards.

In the last AC meeting, the industry expert suggested taking remedial classes for students with SGPA below 7 and talking to their guardians to improve the situation.

So in this meeting, the member secretary highlighted that the arrangement of Parent-Teacher meetings and constant efforts of all departmental mentors and the subject teachers and taking special care of the late entry/lateral entry/weak students in their academics were reflected in the results, as overall less than 5% students were found below 7 SGPA category from 4th sem. onwards. For 2nd sem., it was around 10 %.

❖ **Agenda 9: Students' Placement Report**

Placement data for the 2024 passed-out batch, the COVID-19 batch, showed a downfall in overall recruitment percentage, AC meet experts mentioned that it reflected the present fluctuations in the global Industry situation following the post-COVID scenario. All expected a recovery in the market scenario.

❖ **Agenda 10: Research & Developmental activities of faculty and Students (February 2024 – August 2024)**

Two faculty members from ECE department had been awarded the Ph. D. degree, 1 from IT and 1 from FT had been reported to submit their Ph.D. thesis during the period under consideration. All members congratulated them. Also four faculty members were reported to be registered and three members, to be enrolled for Ph.D. degree in various universities, 1 members were found to complete the pre-submission formalities within the mentioned period. The publication data for both faculty members and students were shared mentioning separately the SCI/SCOPUS/WOS publication records. All were satisfied, though it was suggested by Rajat Sir to give more stress on SCI publications. All agreed.

GNIT Project status was highlighted when Dean R & D mentioned that the Vaani project was awarded to a few organizations like JU where GNIT was also included. All appreciated.

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.

Point of Action: GNIT R & D Cell

Principal mentioned about the cash incentives for the faculty members and the students who excel in R & D activities in the form of JIS Innovation awards. Also, he mentioned that the patent applications are sponsored by the management. All appreciated the initiatives.

❖ **Agenda 11: Conferences/Workshop/Other programs during (February 2024 – August 2024) : The Reports**

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 12: Orientation & Induction Program for 2024-25 batch of students**

The reports of different programs including JIS Group centralized orientation program which took place at the Science City auditorium on 1st September 2024 with eminent personalities of different areas, the stress management sessions, industry-mentor & alumni interaction sessions, their talent-hunt sessions and seminar sessions as organized by the departments clearly highlighted the institute's intention to align the students towards their holistic development.

❖ **Agenda 13 : Faculty and Students Achievements during (February 2024 – August 2024)**

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 14 : Two relevant issues with the permission of Chair**

- i) Students' Admission Status (2024-25)
- ii) Approval of paper setter & moderator for upcoming odd sem. 2024 exam.

Students' detailed admission status were reported, which were found very satisfactory.

Dr. Suparna Biswas, the COE of GNIT Exam Cell, informed all members about the paper setters & the moderators of different departments for the upcoming odd sem. 2024 exam. . Everybody was satisfied with the initiative of the exam cell.

Meeting was ended with vote of thanks by the Chairman.

s/d

Prof. (Dr.) Sucharita Bhattacharyya
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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