

Guru Nanak Institute of Technology (GNIT)

Minutes of the 1st Academic Council Meeting 2024

Date: 23.02.2024

1st Academic Council meeting of 2024 for GNIT was held on 23rd February at 11.30 a.m. to discuss the agenda as mentioned below which was notified (Vide Ref. No.: GNIT/AC/2024/01) to the honourable members on 8th February, 2024.

Members present (Internal)

1. Prof.(Dr.)Swarup KumarMitra ,Principal	:Chairman
2. Prof.(Dr.)SucharitaBhattacharyya, Professor, ASHU Dept.	:Member Secretary
3. Prof.(Dr.)KakaliBandyopadhyay,HOD,FT Dept.	:Member
4. Dr. DebasreeSaha	:EE Dept. representative
5. Mr.ChiranjibDutta,HOD,CADept.	:Member
6. Dr.Suman Bhattacharya, HOD,CSEDept.	:Member
7. Ms. SuparnaKarmakarHOD,ITDept.	:Member
8. Mrs.BapitaRoy,HOD,AEIE/ECSEDept.	:Member
10. Dr. Sucharita Chakrabarti, HOD, ASHU Dept.	:Member
11. Dr.IndrajitBose,Asst.Professor,ASHU Dept.	:Member
13. Dr. AdhishKr.Chakrabarty,Registrar	:Ex-officio Member
14.Dr. Sunipa Roy, HOD,ECE Dept.	:Member
15. Dr. Suparna Biswas, Assoc. Professor & COE	:Member

Members Present (External)

1. Prof, (Dr.) Asit Kumar Das, Dept. of CST, IEST, Shibpur	: Member
2. Prof. (Dr.)Runu Chakrabarty,Dept.ofFT&Bio-Chem.Engg.,JU	: Member
3. Prof. (Dr.) Sudhabindu Roy, Dept. of ETCE, JU	: Member
4. Mr. Indranil Roy Chowdhury, Senior Manager, TCS, Kolkata	: Member
5.Prof. (Dr.) Aparajita Sengupta, EE Dept., IEST	: Member
6.Prof.(Dr.)RajatKumarDe,MachineIntelligenceUnit, ISI, Kolkata	:Member

Members Absent (External)

1. Prof. (Dr.)JoydeepChowdhury,Dept.ofPhysics,JU	: Member
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Members Absent (Internal)

1. Prof. (Dr.) Arun Kr. Mondal, Professor : Member	
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2. Dr. Srabani Kundu, Assit. Prof., CSE Dept. : Member
3. Dr. Barnali Kundu, HOD, EE Dept., IEST : Member

AGENDA of the Meeting of the 1st Academic Council, 2024 was:

1. To confirm and approve the minutes of last AC meeting held on 12th August, 2023.
2. To note and ratify the follow up action taken pursuant to the last meeting held on 12th August, 2023.
3. Discussion on approved Autonomy Curriculum and Syllabus for 7th & 8th sem. B.Tech. Courses as per AICTE 2021 model curriculum
4. Discussion and Approval of R23 3rd Semester (for 2023-24 batch) B.Tech. Autonomy Syllabus as per NEP 2020 model curriculum.
5. Result Analysis for Autonomy Even Sem. 2022-23 Examination.
6. Students' Placement Report
7. Research & Developmental activities of faculty and Students (July 2023 – January 2024)
8. Conferences/Workshop/Other programs organised during (July 2023 – January 2024) : The Reports
9. Industry-Institute Interaction
10. Faculty and Student Achievements
11. Sports and Extra Curricular activities (including social issues)
12. Any other issue with the permission of Chair :Introduction of New Controller of Examination, GNIT
13. Updation of Grade Card.
14. Format change of M.Tech (CSE, ECE,FT) question paper

Resolutions:

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

Member Secretary of the Academic Council, Dr. Sucharita Bhattacharyya welcomed all members and requested Prof. (Dr.) Swarup Kumar Mitra, the Principal and the Chairman of the council to initiate the meeting. Prof. Mitra formally started the meeting and gave permission to start proceedings of AC meeting.

Member secretary presented the composition of Academic Council (AC) as per the guide line of the UGC, list of AC members as approved, read the Notice and Agenda of the current meeting. Leaves of absence were granted.

❖ **Agenda 1: To confirm and approve the last minutes of AC meeting held on 12th August, 2023.**

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 12th August, 2023.**

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.	Agenda 2	Resolution	Action Taken
1.	To note and	Prof. Rajat Kumar De suggested	Quantitative Aptitude is included

	ratify the follow up action taken pursuant to the last meeting held on 12th August, 2023 for R23 B.Tech.	to redistribute Technical Report Writing and Seminar Presentation-I in 4th Sem. in place 1st Sem. under R23 where Quantitative Aptitude might be more acceptable for new batch 1st year under Ability Enhancement Course for ECS students. All members agreed	in 1st sem. for ECS students.
2.	curriculum approval	For IT, Technical Seminar Presentation of 1st sem. under R23 was suggested to be interchanged with Soft Skill & Aptitude of 3rd sem.	Programming Skill for problem solving is included in 1st sem. for IT students
3.		It was suggested to keep Soft Computing in place of Neural Network for ECS (8th Sem. under Minor Category) and Data Science in place of Data Analytics for CSE (8th Sem. Major) and for ECE (7th Sem. under Minor) (R23).	To be considered in due course

Points were noted by the members and they were satisfied.

At that point, Mr. Indranil Roychowdhury, suggested to assign project to the students to prepare AI-assisted PPT for AC Meet which might be considered.

❖ **Agenda 3: Discussion on approved Autonomy Curriculum and Syllabus for 7th & 8th sem. B.Tech. Courses as per AICTE 2021 model curriculum**

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

- ✚ 30th January, 2024 for the dept. of Electrical Engineering (EE)
- ✚ 7th February, 2024 for the dept. of Food Technology (FT)
- ✚ 29th January, 2024 for the department of Electronics & Computer Science Engineering (ECS)
- ✚ 9th January, 2024 for the department of Computer Science & Engineering (CSE)
- ✚ 29th January, 2024 for the department of Information Technology (IT)
- ✚ 13th February, 2024 for the department of Electronics & Communication Engineering (ECE)

7th & 8th Semester syllabi as prepared under R21 and 3rd Semester syllabi under R23 (NEP 2020) were placed to the AC meet members for their final approval for necessary implementation from 2024-25 academic session w.e.f. July 2024.

Discussions on the stream-specific modifications for 7th and 8th semesters are summarized below.

- i) The expert committee objected on the subject, Radar and Missile communication under Professional Elective Course category for 7th Semester ECE, as the paper reflected the huge syllabus. As R21 curriculum already had been approved in BOS and earlier academic council meeting, the point might be considered in R23 curriculum.
- ii) Prof. Sudhabindu Roy queried whether both Seminar and Group Discussion for project part could be accommodated in 7th Semester. The answer came in affirmative.

Point of Action: ECE Dept. syllabus Committee

- iii) Business Research Methods under Open Elective IV in 8th sem. was finely tuned with Agile Methodology topic, as mentioned by the TCS expert.
- iv) As suggested by the AC experts, changes had been recommended in the following subject name for CSE students.
 - a) The subject name for Paper code CS-D-701 will be “Data Mining” in place of “Data Mining and Data Warehousing”.
 - b) The subject name for Paper code CS-D-791 will be “Data Mining Lab” in place of “Data mining and Warehousing Lab”.
 - c) The subject name for Paper code PEC-CS-T-801 will be “Graph Algorithms” in place of “Advance Graph Algorithms”.

Point of Action: CSE Dept. syllabus Committee

- v) Under Professional Elective category of 8th semester, Prof. Runu Chakraborty proposed to change the subject name from Plant Maintenance, Safety and Hygiene to Plant Operation Maintenance, Safety and Hygiene for FT students.

Point of Action: FT Dept. syllabus Committee

- vi) It was observed that in EE 7th and 8th sem. syllabi as 2 core courses were included unlike others, there was no provision 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 by Prof. Asit Das, Prof. Rajat De and Mr. Indranil Roychowdhury, that at least some case studies should be assigned to the students to supplement the theory papers, otherwise they would not be able to grasp those critical subjects. This should be applicable for IT also as they couldn't include the Blockchain laboratory in their syllabus

Point of Action: HOD & Concerned subject teachers of IT & EE department

- vii) During discussion on 8th Semester Grand Viva paper, Mr. Roychowdhury suggested to organize one mock-viva session for final year students for each stream, to enable them to understand their shortcomings. All HODs informed him that these sessions are regularly organized every year.

Then he suggested to ensure the strengthening of their basic knowledge in C and C⁺⁺ through proper training and to include one industry expert to assess the students, irrespective of any stream.

Point of Action :HODs & Departmental T & P members

- viii) To an enquiry of industry expert, it was informed that AWS Cloud Computing was used for CSE, IT, and ECE students of GNIT. He was satisfied.

❖ Agenda 4: Discussion and Approval of R23 3rd Semester (for 2023-24 batch) B.Tech. Autonomy Syllabus as per NEP 2020 model curriculum.

- i) Detailed discussions were done on 2nd yr. 3rd sem. syllabus for all streams, going to be implemented from next odd semester for 2023-24 admission batch of students. No gross changes were recommended, though few suggestions were given by the AC meet experts as mentioned below.
- Prof. Runu Chakrabarty suggested FT department to offer Open Elective Course (OEC) for Food Preservation & Food Adulteration for different streams, if possible.
 - Mr. Indranil Roychowdhury suggested about the importance of students' learning of behavioral pattern course for Organizational Behavior to have better corporate life.

Point of Action :Concerned syllabus committee

- There were several queries regarding the constituents of essence of Indian Knowledge Tradition and whether it was mandatorily imposed by AICTE. It was explained by Dr. Indrajit Bose, a senior member of AC.
- Prof. Aparajita Sengupta suggested to include equal no. of papers in a given semester for all streams. It was mentioned that year wise (considering 2 semesters) it was maintained. She was satisfied.
- Prof. Sengupta enquired about the utilization of mandatory MOOC courses as per AICTE guideline. It was briefed and she was intimated about the Coursera (belongs to MOOC category) tie-up with the JIS Group.

❖ Agenda 5: Result Analysis for Autonomy Even Sem. 2022-23 Examination.

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 admitted either as late or lateral entry students and having a very weak academic background.

Point of Action: All Departmental Mentors & Academic Staff Members

❖ Agenda 6: Students' Placement Report

Placement data showed some downfall in overall placement percentage, though our industry expert mentioned that it was not at all distressing considering the present fluctuations in the Industry situation following post-COVID scenario. He was hopeful of quick recovery of the situation.

❖ **Agenda7 :Research & Developmental activities of faculty and Students (July 2023 – January 2024)**

Four faculty members, three from CSE and one from EE department were awarded their Ph. D. degree during the period under consideration. All members congratulated them. Also four faculty members were reported to be enrolled for Ph.D. degree within this time span. The successful guidance of our Principal Sir for his Ph.D. scholar was appreciated by all. The publication data for both faculty members and students were shared mentioning separately the SCI publication records. All were satisfied.

❖ **Agenda8:Conferences/Workshop/Other programs during (July 2023 – January 2024)**

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

❖ **Agenda9 :Industry-Institute Interaction during (July 2023 – January 2024)**

The reports of different industry visit, industry-mentor interaction with students and seminar sessions as organized by the departments clearly highlighted the institute's intention to align the students towards the knowledge of the present-day industry requirement.

❖ **Agenda10 :Faculty and Students Achievements during (July 2023 – January 2024)**

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

❖ **Agenda11:Sports and Extra Curricular activities (including social issues)**

Participation of faculty members and students in sports and cultural events and GNIT's ISR activities were highlighted and members were found very happy.

❖ **Agenda12 :Any other issue with the permission of Chair : Introduction of New Controller-in-Charge**

Principal introduced Dr. Suparna Biswas as new COE of GNIT Exam Cell to all the members. Everybody welcomed her and wished her all the success.

❖ **Agenda13: Updation of Grade Card.**

Student level of competence shall be categorized by a grade point average to be specified as:

SGPA: Semester Grade Point Average

CGPA: Cumulative Grade Point Average

Percentage of marks

Previously it was

SGPA: Semester Grade Point Average

YGPA: Yearly Grade Point Average

DGPA: Degree Grade Point Average

All the definitions of above-mentioned terms (SGPA, YGPA, DGPA) are vividly described in our existing regulations. Definitions of the terms CGPA and Percentage of marks are explained herewith

$$CGPA = \frac{\sum_{k=1}^{k=n} \text{Credit Index of } k^{th} \text{ Semester}}{\sum_{k=1}^{k=n} \text{Credit of } k^{th} \text{ Semester}} \text{ Where } \begin{matrix} n = 4 \text{ for 2 years Programme} \\ n = 6 \text{ for 3 Years Programme} \\ n = 8 \text{ for 4 years Programme} \\ n = 10 \text{ for 5 years Programme} \end{matrix}$$

$$\text{Percentage of marks} = (CGPA \times 10 - 7.5)\%$$

For Percentage equivalence, the following table, as notified by the AICTE, may be referred to:

Grade Point (x)	Percentage of Marks (y)	Grade Point (x)	Percentage of Marks (y)
6.25	55	7.75	70
6.75	60	8.25	75
7.25	65		

$$NB.: = 10x - 7.5$$

❖ Agenda14 :Format change of M.Tech (CSE, ECE,FT) question paper

A single format of question paper has been followed for B.Tech, M.Tech & MCA. It consists of 3-Groups Group A; 10 marks MCQ type, Group B: 15 marks short answer type, Group C: 45 marks, long answer type questions.

It was decided in Autonomy Examination Cell meeting that M.Tech Question paper for Theory of 70 marks to be modified as:

Group A, Group B, Group C are to be removed

And all questions will be in a single category.

The question paper will contain 8 questions each of 14 marks (may be single or multi parts) in a single category. The student should answer 5 questions out of 8 questions to cover the 70 marks of theory paper. The header, footer and other parts along with CO & module mapping will be maintained as per previous norms.

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- AEIE, ASHU, CSE, CA, ECE, EE, FT, IT - with a request to circulate among the AC members of their departments.
4. Controller - Examination Cell
5. Registrar
6. Library
7. TPO Cell