

Guru Nanak Institute of Technology (GNIT)

Minutes of the 1st Academic Council Meeting 2023

Date: 20.06.2023

1st Academic Council meeting of 2023 for GNIT was held on 20th June at 11.30 a.m. to discuss the agenda as mentioned below which was notified to the honourable members on 12th June, 2023. To accommodate all members living far away from the college, meeting was conducted in online mode as the meeting date was incidentally coincided with the day of the RathaYatra.

Google Meet meeting Link : <https://meet.google.com/tpz-endf-vwz>

Members present (Internal)

1. Prof.(Dr.) Santanu Kumar Sen, Principal : Chairman
2. Prof.(Dr.) Sucharita Bhattacharyya, Professor , ASHU Dept. : Member Secretary
3. Prof.(Dr.) Kakali Bandyopadhyay, HOD, FT Dept. : Member
4. Prof. (Dr.) Arun Kr. Mondal, Professor & COE : Member
5. Dr. Barnali Kundu, HOD, EE Dept. : Member
6. Mr. Chiranjib Dutta, HOD, CA Dept. : Member
7. Dr. Suman Bhattacharya , HOD, CSE Dept. : Member
8. Ms. Suparna Karmakar HOD, IT Dept. : Member
9. Mrs. Bapita Roy, HOD, AEIE/ECSE Dept. : Member
10. Dr. Sucharita Chakrabarti, HOD, ASHU Dept. : Member
11. Dr. Indrajit Bose , Professor, ASHU Dept. : Member
12. Mrs. Srabani Kundu, Asst. Prof., CSE Dept. : Member
13. Dr. Adhish Kr. Chakrabarty, Registrar : Ex officio Member
14. Dr. Avali Banerjee, Assoc. Prof., ECE Dept. : HOD, Representative

Members Present (External)

1. Mr. Indranil Roy Chowdhury, TCS, Kolkata : Member
2. Prof(Dr.) Runu Chakrabarty, Dept. of FT & Bio-chem.Engg.,JU : Member
3. Prof.(Dr.) Amalendu Ghosh (Retd.), Dept. of CE , IEST : Member
4. Prof.(Dr.) Joydeep Chowdhury, Dept. of Physics, JU : Member
5. Prof. (Dr.) Konika Das Bhattacharya, EE Dept., IEST : Member
6. Prof. (Dr.) Sudhabindu Roy, Dept. of ETCE, JU : Member

Members Absent (External)

1. Prof.(Dr.)Rajat Kumar De, Machine Intelligence Unit, ISI, Kolkata : Member

Members Absent (Internal)

AGENDA of the Meeting of 1st Academic Council, 2023 was :

1. To confirm and approve the minutes of last AC meeting held on 12th December, 2022.
2. To note and ratify the follow up action taken pursuant to the last meeting on 12th December, 2022.
3. Discussion on approved Autonomy Curriculum and Syllabus for 5th & 6th sem. B.Tech. Courses as per AICTE 2021 model curriculum & NEP 2020 for new B.Tech. Curriculum
4. Result Analysis for Odd Sem. 2022-23 Examination
5. Students' Placement Report
6. Research & Developmental activities of faculty and Students (December 2022–June 2023)
7. Conferences/Workshop/Other programs organised during (December 2022–June 2023): The Reports
8. Industry-Institute Interaction
9. Faculty and Student Achievements
10. Sports and Extra Curricular activities (including social issues)
11. Any other issue with the permission of Chair

Resolutions :

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

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

Member secretary then 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 December, 2022.**

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 December, 2022.**

All action-taken points, as per the suggestion of the members in the last meeting (December 2022) were placed in brief as follows.

Resolution 1: As advised by the industry mentor, our Principal suggested to introduce real life project with Python in Python Programming lab for ECE, CSE, and CA students' curriculum.

Status of compliance: i) Programming using Python is included in 4th sem. (with credit 1.5) for CSE in R23 where real life project with Python will be incorporated.

ii) MCA students were reported learning programming in Python with practical in semester1(R20 curriculum). In 3rd semester, they did Minor Projects and were assigned mainly ML using Python oriented topics. In 4th semester, many students were allocated industry oriented Major Projects using Python. HOD MCA reported about few publications made by the students in FOSET 23 as

a. Machine Learning (ML) for Heart Health: The Role of Random Forest Algorithms in Disease Prediction

b. Automatic Transformation and Generation of Question Papers in Education with NLP Techniques,

c. Advanced Detection of Smoking Residues: Combining Medical Diagnostics with Artificial Intelligence

iii) ECE incorporated Python based projects at preliminary level as Development of Countdown Timer, Development of Sudoku Game soln., Making of python-based Date Calendar

Initiative was appreciated with suggestion to upgrade the level of the Python-based projects.

At this point Industry expert shared his interview experience for students' group projects where each student used to define his role as Project leader only, which might be interpreted as no contribution in the project by the interviewer, providing unsatisfactory output at the evaluation. Students should be aware of this fact.

Point of Action : Training Coordinators of the Depts. & TPO of GNIT

Resolution 2: As suggested by Prof. Joydeep Chowdhury, some applications of patch antenna & FD time domain simulation in Poynting vector for EM Theory & Antenna paper should be incorporated.

Status of compliance : EM Theory & Antenna paper content as well as FD time domain simulation application in Poynting vector part will be incorporated in 4th semester of R23 curriculum .

Resolution 3 : Industry expert suggested for the students with grades below 5 (if any), remedial classes might be taken to improve the situation.

Status of compliance: All agreed, as academically weak students are always treated with more care and sincerity at GNIT with remedial classes for their doubt clearing & preparation.

Resolution 4: Principal suggested to organize Tech Fest separately for 1st yr. freshers under ASHU Dept. in near future.

Status of compliance: Tech Fest ANURANAN was organized by the Dept. on 1st March, 2023.

Points were noted by the members.

❖ Agenda 3: (i) Discussion on approved Autonomy Curriculum and Syllabus for 5th & 6th sem. B.Tech. Courses as per AICTE 2021 model curriculum

Approved Autonomy Curricula and Syllabi for 5th and 6th semester, to be implemented from July 2023 and January 2024 respectively, were discussed in detail. Syllabi were approved. At the suggestion of the COE of GNIT, FT and IT HODs were instructed to insert zero in Mandatory Course (MC) credit in place of a dash mark. Both of them noted it to do the necessary modification immediately.

❖ **Agenda 3: (ii) NEP 2020 for new B.Tech. Curriculum**

At the beginning, Member Secretary explained in detail about UGC guidelines in New Education Policy (NEP) 2020 for credit and subject distributions under Major, Minor, Multi-disciplinary, Skill Enhancement Course, Value-Added Courses, Activity Enhancement Courses, Internships, Projects, and mandatory Courses. Based on such guideline, the GNIT Autonomy B.Tech. curriculum structure R23 was framed for all streams. Accordingly, stream-specific detailed curricula were presented. Everybody appreciated the tremendous efforts given by the syllabus committee to frame the structure in a very organized manner as a whole.

From the discussions few proposals were suggested and recommended by external experts as follows.

- To incorporate Basic Electronics in place of Engineering Chemistry (for ECE, CSE).
- To incorporate "Engineering Economics" in the place of "Yoga" (for EE).
- To add the subject, "Innovation, Entrepreneurship & IPR" in the curriculum (for EE).
- To verify the possibility of 3-year regular (without Honours) B.Tech. course,
- To enquire about industry acceptability of 3-year B.Tech. Course and 2-year Diploma Course
- To enquire about a common 1st year B.Tech. Autonomy curriculum, if there is any provision

HOD, FT, member of Centralised Autonomy Syllabus Committee informed that after earning 120 credit points under Multiple Entry/Exit Policy/Scheme, students might be awarded the graduation degree in general, as per the UGC guideline. For B.Tech., the possibility was suggested to confirm.

Point of Action : Autonomy Syllabus Committee of R23

Member Secretary confirmed that subject allocation could be done only as per the subject bank specified under UGC guideline for each discipline. Also, it is too early to predict about the Industry Acceptability of R23 passed-out students under NEP 2020, as it would be implemented only in July 2023.

Regarding exclusion of mentioned multidisciplinary subject, Member Secretary gave stress on UGC specified subject bank as well as the utilisation (at least partial) of available infrastructures in terms of Faculty Members and Laboratories in the institute from all practical point of view. Members agreed to the point.

Finally, the Principal suggested to take notes on external members' recommendations to work on those. So it was decided that the syllabus would be implemented for B.Tech. 1st year for each stream after addressing the possible modifications.

Point of Action : Autonomy Syllabus Committee of R23

Agenda 4: Result Analysis for Odd Semester 2022-23 Examination

Result analysis of 1st, 3rd, 5th, and 7th sem. offline examination was presented using bar graphs along with data tables and compared with last year's results to give the clear impression of students' stream wise academic performance in offline mode compared to the online one. The significant variations in results for each stream were primarily because of change in mode of examination conduction and were

confirmed by the Controller of Examination, GNIT. All members agreed.

❖ **Agenda 5: Students' Placement Report for last academic year**

Overall placement report for 2022 passed-out batch (82 %) was presented and was found very satisfactory. For 2023 ongoing batch, placement result was found to be good for most of the streams with FT was found to be the front runner where more than 71% students were placed. Members were very happy and FT HOD intimated that cooperation and suggestions from JU experts like Prof. (Dr.) Runu Chakrabarty helped to achieve this success. Prof. Chakrabarty enquired about the pay package offered to the FT students. Diploma students' participation in large numbers in B.Tech. courses of ECE & EE (higher study) was found to be very encouraging. In response to the query of the external members, it was informed that in addition to the GNIT diploma students many students from other polytechnics used to take admission after qualifying WB JELET examination.

❖ **Agenda 6: Research & Developmental activities of faculty and Students (December 2022–June 2023)**

R & D activities of students & faculty members including the status of the research grants (both application & receipt) were presented where publications with SCI (7 in last 6 months) & Scopus indexing were highlighted separately along with students' publications (both Conference & Journal) and patent publications. The Ph.D. information including thesis defense, thesis submission (no. are 3), were appreciated by all.

❖ **Agenda 7: Conferences/Workshop/Other programs organised during (December 2022–June 2023): The Reports**

Reports of FDPs, Workshops, Webinars/ Seminars, Celebration of National Science Day, National Mathematics Day, Tech Fest for 1st year students, organised by different departments of the institute in collaboration with reputed organisations like CGCRI (CSIR), AFLAD, CSIR-Indian Institute of Petroleum, (under the Ministry of Science & Technology, Govt. of India), Dehradun, MNRE INDIA etc. were presented in the meeting. All members expressed their satisfaction.

❖ **Agenda 8 : Industry-Institute Interaction**

Information of students' Industry-institute interactions through Industry-Mentor meets, Internship program participations were shared. Also reports of industrial visit at West Bengal Power Development Corporation Limited (WBPDC), Kolaghat Thermal Power Station, Kolaghat, Purba Medinipur from EE and ECE Departments, at MSME TOOL ROOM , BON HOGLY, Kolkata from EE Dept., at Carriage & Wagon Workshop, Eastern Railway, Liluah (EE Dept.), at Dream Bake Pvt. Ltd. (Winkies/Switz Group) from FT Dept., at West Bengal Government's Solid Waste Management Plant at Domjur, Howrah from ASHU Dept. etc. were appreciated by the members.

Three Mou-signing events were also reported with IT dept. and Ardent Computech Pvt Ltd, & Cyber Intelligence Solutions , Kolkata, West Bengal through IIPC Cell and with ECE dept. and Euphoria Gen X , Kolkata.

Agenda 9: Faculty and Student Achievements

Guru Nanak Institute of Technology won the first-ever of its type and the most prestigious Award as

“First NAAC A+ Accredited Engineering College, West Bengal” in the Education Eminence Award 2023 organized by News18 Network on 30th May, 2023 in association with Rotary Club, Kolkata-Inner City.

Various achievements of students & faculty members as well as staff members were reported in academics, cultural & sports events in the form of JIS Innovation Awards (cash prizes) and JIS Samman/JIS Spirit Awards. Patent Granting and Copyright Registration were two prestigious achievements where faculty members from FT and CSE were recognized. Students' Achievements in External Examinations like GATE and CAT were also appreciated by the members.

❖ **Agenda 10 : Sports and Extra Curricular activities (including social issues, if any)** 🗨

- Various institutional social responsibility (ISR) activities included GNIT NSS Unit's celebration of the birthday of Babuji, Late Sardar Jodh Singh Ji, honourable Founder of JIS Group by distributing food packets among the under-privileged children of Indira Nagar School. Cloth Donation activities of the 1st yr. students to Goonj and donation of their one-day pocket money collection (Rs. 18000/-) to Bharat Sevasram Sangha, Ballygunj as part of their NSS activities were really noteworthy to mention. All members were found very happy with the activities of the students and the institute.
- Students participated in the Tech Fest TESSARACT-FELICIFIC and displayed Scientific and Technical models and participated in Tech quizzes
- Students participated and won prizes in various events at GNIT Annual Sports Meet.

❖ **Agenda 11: Any other issue with the permission of Chair**

No issue was raised.

Meeting was ended with vote of thanks by the Chairman.

Si Bhattacharyya
Prof.(Dr.) Sucharita Bhattacharyya
Member Secretary,
Academic Council, GNIT

Member Secretary
Academic Council
Guru Nanak Institute of Technology, Kolkata

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