

Guru Nanak Institute of Technology (GNIT)

Minutes of the 2nd Academic Council Meeting 2022

Venue: Conference Room, GNIT

Date: 12.12.2022

2nd Academic Council meeting of 2022 was held on 12th December at 11.30 a.m. at GNIT Conference Room to discuss the agenda as mentioned below which was notified to the honourable members on 5th December, 2022. To accommodate some members who couldn't attend physical meeting because of their preoccupation, online link (<https://meet.google.com/ufd-rpei-shr>) was also provided.

Members present :

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.) Pijush Kanti Bhattacharjee, Professor & Dean (R&D) : Member
5. Prof. (Dr.) Arun Kr. Mondal, Professor & COE : Member
6. Dr. Barnali Kundu, HOD, EE Dept. : Member
7. Dr. Sunipa Roy, HOD, ECE Dept. : Member
8. Mr. Chiranjib Dutta, HOD, CA Dept. : Member
9. Dr. Sangeeta Bhattacharya , HOD, CSE Dept. : Member
10. Ms. Suparna Karmakar HOD, IT Dept. : Member
11. Mrs. Bapita Roy, HOD, AEIE/ECSE Dept. : Member
12. Dr. Indrajit Bose , Professor, ASHU Dept. : Member
13. Mrs. Srabani Kundu, Asst. Prof., CSE Dept. : Member

Members Present (External)

14. Mr. Indranil Roy Chowdhury, TCS, Kolkata : Member
15. Prof(Dr.) Runu Chakrabarty, Dept. of FT & Bio-chem.Engg.,JU : Member
16. Prof.(Dr.) Amalendu Ghosh (Retd.), Dept. of CE , IEST : Member
17. Prof.(Dr.) Joydeep Chowdhury, Dept. of Physics, JU : Member

Members Absent (External)

18. Prof.(Dr.)Rajat Kumar Dey, Machine Intelligence Unit,ISI,Kolkata : Member
19. Prof. (Dr.) Konika Das Bhattacharya, EE Dept., IEST : Member
20. Prof. (Dr.) Sudhabindu Roy, Dept. of ETCE, JU : Member

Members Absent (Internal)

21. Dr. Adhish Kr. Chakrabarty, Registrar : Ex officio Member
22. Dr. Sucharita Chakrabarti, HOD, ASHU Dept. : Member

AGENDA of the Meeting of 2nd Academic Council, 2022 was :

1. To confirm and approve the minutes of last AC meeting held on 23rd June, 2022.
2. To note and ratify the follow up action taken pursuant to the last meeting on 23rd June, 2022.
3. Discussion on approved Autonomy Curriculum and Syllabus for 4th sem. B.Tech courses as per AICTE 2021 model curriculum.
4. Examination : i) Result Analysis for Even Semester 2022 (off-line)
ii) Conduction of Odd Semester 2022 (off-line)
5. Students' Placement Report for last academic year
6. Admission status for the current academic year, 2022-23
7. R&D activities of Faculty members and Students for the current academic year
8. Conferences/Workshop/Other program organised in the current academic year
9. Achievements of Faculty and Student in the current academic year
10. Sports and Extra Curricular activities (including social issues)
11. NAAC Peer Team Visit : A Report
12. 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 23rd June, 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 23rd June, 2022.**

All action-taken points were mentioned in brief whose detailing were discussed in **Agenda 3**. Also it was informed that output of the effort of the faculty members for SCI-indexed journal publications would be shared in R & D discussion (**Agenda 7**) as per the suggestion of the previous meeting. Points were noted by the members.

❖ **Agenda 3: Discussion on approved Autonomy Curriculum and Syllabus for 4th sem. B.Tech. courses as per AICTE 2021 model curriculum considering action taken part of Agenda 2**

Approved Autonomy Curricula and Syllabi for 4th semester, to be implemented from January 2023, were discussed after considering necessary modifications, where ever possible, as per the suggestions of the AC Meet experts as follows.

- Subject code modifications were done in Applied Statistics and Numerical Methods, both theory & Lab for Food Technology as M(FT) 401, M(FT) 491, in Discrete Mathematics theory as M(CSE) 301, in Numerical Methods Lab as M(CSE) 391 (for completed 3rd sem.), in Probability & Statistics as M(CSE) 401, all for Computer Science & Engineering students and in Physics II theory and corresponding laboratory as PH(ECSE) 401, PH(ECSE) 491, respectively for Electronics & Computer Science Engineering stream. All expressed satisfaction.
- HOD, ECSE reported that "MONGO DB" and "Dynamo DB" would be included as the value-added courses in the upcoming beyond curriculum training (BCT) program for the 4th sem. students by the T & P cell, GNIT, as per the suggestion of the Industry Expert keeping in view the present-day industry requirements. She also informed that in the next regulation of curriculum, the proposal for the inclusion of the above two topics in 4th semester syllabus would be placed in the departmental BOS meeting.
- In response to the query of Industry expert, Mr. Indranil Roy Chowdhury, HOD (in- Charge), IT informed that the topic of Lambda function, highly relevant in modern industrial requirement, was already included in Object Oriented Programming using Java (code : IT 405) as per R21 syllabus. To experience real-life scenario, students would be allocated some mini projects as part of their lab assignment to gain some idea about implementation of lambda function with lesser use of codes.
- To experience industry flavour in Python Programming lab, real life project with Python were allocated to the EE 3rd sem. students, as per the suggestion of the industry mentor.

Here the Principal suggested to introduce above topics for ECE, CSE, and CA students' curriculum also.

Point of Action : HODs of ECE, CSE & CA Departments

- As suggested by Prof. Konika Das Bhattacharya (EE), it was decided in the Departmental Academic Committee meeting that Renewable Energy and Smart Grid might be incorporated as interdisciplinary electives in the next curriculum revision for various streams like IT, ECSE, ECE. For the time being, those students would be allocated related projects to work on those. All agreed.
- As suggested by Prof. Joydeep Chowdhury, ECE Departmental Academic Committee agreed to incorporate some applications of patch antenna in EM Theory & Antenna paper (EC 401) content as well as FD time domain simulation application in Poynting vector part in next curriculum revision, though in the coming 4th semester course, FD time domain simulator would be considered for some innovative experiment in EC 491 Lab paper. Members were satisfied.

Point of Action : HOD of ECE & dept. syllabus committee

- ❖ **Agenda 4: Examination : i) Result Analysis for Even Semester 2022 (off-line)
ii) Conduction of Odd Semester 2022 (off-line)**

i) Result Analysis for Even Semester Examination 2022 (off-line)

Result analysis of 2nd, 4th, and 6th 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. It was suggested by industry expert

that for the students with grades below 5 (if any), remedial classes might be taken to improve the situation. All agreed.

Point of Action : All course coordinators

Also he suggested that number of students getting grade point below 7 should be zero, as per the preference of the recruiters, though all members didn't agree to the point as it might not be practically feasible.

ii) Conduction of Odd Semester off-line Examination 2022

It was reported that after a gap of 2 years due to COVID 19 pandemic, off-line B.Tech. autonomy odd sem. examination had been started where in the 1st phase, Practical & Sessional Examinations of 2nd, 3rd & 4th Yrs. were conducted during (5-9)th Dec. 2022, in presence of external examiners.

In the 2nd phase, the Theory Examinations would be conducted during (12th – 23rd) Dec. 2022, where mobile teams constituted of HODs would be associated with the examination system along with COE, ACOE and Autonomy Exam Cell members & Invigilators (2/Room) for smooth running of the examination.

COE informed that 2 sick rooms were arranged for emergency medical issues, particularly because of alarming Dengue status of West Bengal.

It was informed that 1st yr. B.Tech. examination would be conducted separately during Jan.- Feb., 2023 as class started in November 2022, after West Bengal Govt.'s centralized counselling was over.

All members expressed their satisfaction and agreed to the points.

- As suggested by Prof. Konika Das Bhattacharya (EE), it was decided in the Departmental Academic Committee meeting that Renewable Energy and Smart Grid might be incorporated as interdisciplinary electives in the next curriculum revision for various streams like IT, ECSE, ECE. For the time being, those students would be allocated related projects to work on those. All agreed.
- As suggested by Prof. Joydeep Chowdhury, ECE Departmental Academic Committee agreed to incorporate some applications of patch antenna in EM Theory & Antenna paper (EC 401) content as well as FD time domain simulation application in Poynting vector part in next curriculum revision, though in the coming 4th semester course, FD time domain simulator would be considered for some innovative experiment in EC 491 Lab paper. Members were satisfied.

Point of Action : HOD of ECE & Dept. syllabus committee

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

Overall placement report for 2022 batch was presented which was found satisfactory. Prof. (Dr.) Runu Chakrabarty queried whether all students got placements from institute initiative or by individual effort. At that point, it was informed that maximum no. of students used to get placements from campus interview, though few students got it with their individual effort & informed their mentors and those data were included here also.

❖ Agenda 6: Admission status for the current academic year, 2022-23

Detailed admission data was shared where B.Tech.(regular), B.Tech.(lateral), M. Tech., Diploma,

B.Sc., BHM admission statistics were tabulated separately. In response to a query of Prof. Amalendu Ghosh, Principal clarified all the statistics mentioning the target given by the Management.

❖ **Agenda 7: Research & Developmental activities of faculty and Students (July-November, 2022)**

R & D activities of students & faculty members including receipt of research grants were found to be very encouraging where publications with SCI & Scopus indexing were highlighted separately along with students' publications and patent publications. Member Secretary highlighted that 5 publications in SCI journals within 5 months represented a good R & D progress in any academic institute. To a query of Prof. Joydeep Chowdhury, Principal informed that patent filing was financially supported by the institute itself. The Ph.D. information including achievements in supervision (no. is 1), thesis submission (no. are 4), pre-submission presentation (no. 1), Ph.D. registration (no. 2) & Ph. D. enrolment (no. 1), were appreciated by all.

❖ **Agenda 8: Conferences/Workshop/Other programs organised during (July- November, 2022) : The Reports**

Reports of CCNMT (AICTE-sponsored, organised by FT & ECE), ISACS (by CSE), FOSET conference (organised by the institute in collaboration with MAKAUT, JIS Group, & IE), Dept.-wise Tech Fests, workshops were presented in the meeting. All members expressed their satisfaction and Principal suggested to organize such Tech Fest separately for 1st yr. freshers under ASHU Dept. in near future.

Point of Action : HOD of ASHU Dept. & all members

Information of students' Industry-institute interactions, Research-institute visit & their program participation, Industry-Mentor meets were also presented. Responding to a query of Prof. Runu Chakrabarty, it was informed that students always submit the report of their industry-visits.

Two Mou-signing events were also reported with Entrepreneurship Development Council of India and the Building Bharat.

The tie-up is supposed to help the institute (GNIT) in setting up its Incubation Centre and Start-ups where funds of Rs. 50,000 to Rs. 5.0 crores may be available. All members appreciated the initiatives.

❖ **Agenda 9: Achievements of Faculty and Student in the current academic year (during July - November, 2022)**

Various achievements of students & faculty members as well as staff members were reported in academics, cultural & sports events highlighting student winners (CSE) of Smart India Hackathon (SIH 2022, Software Edition) & their teacher mentors, student winner (CSE) of Eastern India BIMTECH Brain Quest 2.0 - the Cross Campus International BizQuiz. Also students' high ranks in GATE & other competitive examinations, their INTERSHALA internship award, Faculty member's top rank in NPTEL, Senior Educator & Scholar Award on 5th September'22 from NFED, Coimbatore etc. were appreciated by the members.

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

- Various institutional social responsibility (ISR) activities including Donation of clothes & Food Packets to Gobinda Bhaban Home for Girls (by ASHU Dept. & NSS SFU) on the occasion of National Children's Day, distribution of sanitary napkins to institutional peons, sweepers in a Personality Development program for women staff members and students (by ASHU dept. in association with Women's Cell, GNIT), distribution of Food packets to needy children of the local area of Sodepur (by EE Dept., GNIT) through 'Ullas-2022' were appreciated by all members of AC meet.
- In sports activity, it was reported that Girls Volleyball Team of GNIT became Champions of the Second Edition of SKMVT under the guidance of Mr. Shyamal Roy (EE dept.).
- Rakhi Bandhan (by CA), "Agomoni" were two special activities reported in the meeting.
- Induction program activities for new batch students were also shared where diagnostic tests, talent hunt, Motivational Talks by noted persons from various sectors of the society, Stress Management session of ISKCON were highlighted. All members expressed their satisfaction.

❖ **Agenda 11: NAAC Peer Team Visit : A Report**

Principal reported in brief about the preparatory phases of NAAC documentation and the necessary infrastructure development and enhancement as per the requirement of seven criteria and their successful presentation to the visiting NAAC Peer Team resulting in the award of the prestigious A+ grade of the institute.

External members congratulated the members of the institute and particularly, to the Principal for his guidance for such achievement. Principal expressed his thankfulness to them for their continuous support and suggestions for the development of the institute.

At that point, Prof. Joydeep Chowdhury suggested to approach to the Ministry of Electronics and Information Technology for funds through projects for better progress in R & D activities. Institute members agreed.

- ❖ **Agenda 12:** Any other issue with the permission of Chair
No issue was raised.

Meeting was ended with vote of thanks by the Chairman.

S. 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