

Guru Nanak Institute of Technology

Minutes of the 2nd Academic Council Meeting 2018

Venue : Conference Hall, GNIT

Date: 25.07.18

The second meeting of Academic Council 2018 was held on 25th July 2018 at the Conference Room of GNIT to discuss the following agenda as intimated to the members through notice on July 18, 2018.

Members present:

1. Prof.(Dr.) Santanu Kumar Sen : Principal & Chairman
2. Dr.Sucharita Bhattacharyya : Associate Professor & Member Secretary
3. Dr. J.K. Das : HOD, EE Dept.
4. Dr. Sunipa Roy : HOD, ECE Dept.
5. Mr. Chiranjeeb Dutta : HOD, CA Dept
6. Dr. Sucharita Chakrabarti : HOD, ASHU Dept
7. Mrs. Bapita Roy : HOD, AEIE Dept
8. Mr. Tridib Chakraborty : Representative, IT Dept.
9. Mrs. Ipsita Saha : HOD, CSE Dept.
11. Mrs. Srabani Kundu : Asst. Professor, CSE Dept.
12. Dr. Anju Pal : Representative, FT Dept.
13. Dr. Indrajit Bose : Asst. Prof. , ASHU Dept.
14. Dr. Adhish Kr. Chakrabarty : Registrar, GNIT
15. Prof.(Dr.) Arun K. Mondal : Controller of Examination

External Members Present:

17. Prof.(Dr.) Utpal Roychoudhury : Dept. of Food Technology and Bio Chemical Engineering, Jadavpur University
18. Mr. K.G.Pilsima : GM, Electro Steel Casting Pvt. Ltd.
19. Prof. (Dr.) Konika Das Bhattacharya : Electrical Engineering Department , IEST, Shibpur

Members Absent

(External)

20. Prof.(Dr.) Rajib Banerjee : Instrumentation & Electronics Engineering Department, Jadavpur University
21. Prof.(Dr.) D. D.Sinha : Computer Science Department, C.U.

(Internal)

22. Prof. (Dr.) Annapurna Das : Director
23. Prof. (Dr.) Sisir Kumar Das : Dean , R &D

AGENDA of the 2nd Meeting of Academic Council, 2018 was :

1. To confirm and approve the minutes of the last AC meeting held on 7th March , 2018
2. To note and ratify the follow up action taken pursuant to the last meeting on 7th March, 2018
3. Approval of Modified Autonomy Curricula and Syllabi for 5th sem. B.Tech. & MCA Courses (ongoing batch)
4. Approval of Autonomy Curriculum and Syllabus for 1st sem. (2018-19) B.Tech. Courses as per AICTE 2018 model curriculum
5. Approval of developed Induction Program to be implemented in new batch as per AICTE 2018 curriculum
6. Result Analysis for last Even Semester (June 2018) Examinations (Autonomy and MAKAUT)
7. Research & Developmental activities of faculty and student
8. Faculty and Student Achievements
9. Sports and Extra Curricular activities (including social issues)
10. Any other issue with the permission of Chair

❖ To start day's proceedings & resolution of the last meeting

- Meeting started at 3.00 p.m. with the Welcome Address by the Principal, Prof. (Dr.) Santanu Kumar Sen, the Chairman of the council, to the forum and external experts. Then he handed over the charge to the member secretary Dr. Sucharita Bhattacharyya, to conduct the day's proceedings.
- Member secretary intimated about the leave of absences of Prof.(Dr.) Rajib Bandyopadhyay, Prof. (Dr.)D.D.Sinha , Prof.(Dr.)Annapurna Das , and Prof. (Dr.) Sisir Kumar Das , which were granted.

Member Secretary then initiated the discussion on the agenda of the day's meeting through PPT presentation.

Resolutions :

1. Member Secretary placed the minutes of the last AC meeting held on 7th March , 2018 to the council members and it was confirmed and approved by the house
2. Then the **follow up action** taken pursuant to the last meeting of 7th March , 2018 was noted and ratified after the brief discussion as follows.
3. Members were satisfied with follow up action taken to agenda 1, 4, and 5 pursuant to the last meeting dt. 7.3.18. In the action taken part of agenda 3, Principal

informed that it was observed that in result publication software by Hash Technology as the name of those students who didn't appear in last even sem. Exam., name were not removed so the overall result appeared very poor for the mentioned stream . But the exact situation was little better though it was really not good at all. Students' interactions for actual reasons and remedial classes were taken.

4. For approval, Autonomy Curricula and Syllabi for 5th sem.

B.Tech. & MCA Courses (ongoing batch) were modified by concerned HODs along with their respective syllabus committee did the required modification which is approved by respective BOS and finally submitted in the present meeting for approval

4. Detailed structure for 1st sem. Autonomy Curriculum and Syllabus for (2018-19)

B.Tech. Courses as per AICTE 2018 model curriculum was discussed including total contact hours and credit points where two main points were highlighted as given below.

i) Total load of 1st semester theory is fixed to 12 contact hours with a credit of 12 whereas those for practical papers are kept at 9 contact hours with a credit of 4.5. To a question made by the Industry representative Mr. K.G.Pilsima about the exclusion of existing Mechanical Science subjects from new autonomy curriculum, Principal mentioned that total credit points in 4-year course has been restricted to 160, accordingly maintaining AICTE prescribed percentage, the total contents are distributed among Basic Sciences, Humanities & Social Sciences and Engineering subjects including Electives.

ii) Provision of achieving B.Tech. degree by the students with HONS is incorporated/kept in the Autonomy Curriculum so framed where students can earn extra 20 credit points from projects. Responding to a query of Prof. Konika Das Bhattacharya, Principal explained the distribution of those credit points in detail. He explained that projects on the subjects from 1st year up to 3rd year (sem. wise) are included to carry additional (above stipulated 160) 10 credit points which they can opt as per their choice. Also students can join in NPTEL-guided Project Based Learning (PBL) through online courses from where they can earn 10 more credit points, with a grand total of $(160+10+10 = 180)$ required for HONS. degree.

All members appreciated the endeavour and approved the newly formed curriculum and syllabus to be effective for 2018-19 B.Tech. batch.

5. Schedule and details of a three-week long Induction Program to be incorporated for newly admitted Engineering students are presented which included orientation program. diagnostic tests, stress-management programs, and several other activities like Physical Activity , Creative Arts and Culture, Mentoring & Universal Human Values, Familiarization with College, Dept./Branch , Literary

Activity, Proficiency Modules, Lectures & Workshops by Eminent People, Visits in Local Area, Extra-Curricular Activities in College followed by Feedback and Report on the Program. The basic idea is to work closely with the newly joined students in making them feel comfortable, allow them to explore their academic interests and activities, reduce competition and make them work for excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and build character.

At this point, Dr. Das Bhattacharyya suggested to talk to the people of IIM Joka, to give some idea of Start-Up programs to the students as per the present-day requirements of various sectors with encouragement of Government of India. Prof. Utpal Roy Chowdhury also agreed to the point.

Point of Action :

6. Detailed Result Analysis for 2nd and 4th Semester (June 2018) autonomy Examinations and 8th semester MAKAUT examination were discussed as 6th semester result was not published. A remarkable improvement was observed in 4th semester result of existing 2nd yr. whose 3rd semester result was far from satisfaction. Here member secretary gave stresses on the usefulness of mentoring activities in identification of students' weakness in various subjects where their participation in remedial classes along with regular assignments helped a lot to improve the situation. Also all members appreciated the results of Makaut 8th of the passed-out students where as in 2nd semester a mixed result was observed. A significant improvement was found in the results of EE, FT and AEIE students. Most interestingly, in 2nd sem. EE, one student Tanmoy Roy was reported to have 9.86 grade point with E grade only in Physics where as scoring highest O grades in all other theory & Lab papers. All appreciated his effort and Principal suggested to go for review in Physics as the student was not satisfied with his marks in Physics. In MCA 6th sem. (final sem.) one student was found to score full 10 grade points which was highly appreciated.
7. In Research & Developmental activities of the institute during the period between (March 8 to June 24, 2018), it is intimated that 7 project proposals are submitted by the departments of ASHU, AEIE, EE, ECE, and CSE to DST expecting some positive outputs. 14 peer-reviewed journal publications are reported by the faculty members of the department of ASHU, IT, CSE, FT, and ECE during the same period. Book Chapter and a good no. of reputed conference publications where students also participated are highly recognised by the members of the council.
8. The report of Successful organization of 1st International Conference on Electronic Devices and Computational Techniques (EDCT) during (8-9)th March, 2018 by the Institute Faculty members and Students and the publication of accepted papers in IEEE Xplore are highly appreciated by the council.

Also the recognition of the institute as NPTEL local chapter is welcomed by the council where the SPOC Mr. Chiranjib Dutta informed about more than 1000 enrolment during July-December for different on-line courses including some mentorship applications on behalf of teachers which is highly encouraging.

9. Some very special achievements of the institute were reported as follows.

Govindeep Singh, BCA First Year student achieved Hall of Fame recognition in cyber activity and ethical hacking by Make My Trip (MMT) and earned a bounty of Rs. 30,000 from MMT. Earlier he cracked SBI websites.

GNIT received prestigious QS Rating with GOLD RANK from Mr. Pranab Mukherjee, former president of India at New Delhi on 21st March, 2018 where only two colleges in India received that award .

KRITI 2018, Award of Excellence ceremony was organized by GNIT on 17th May, 2018.

A GNIT students' team of ECE 3rd year have reached to the Grand Finale of Smart India Hardware Hackathon. Out of 1060 projects in smart Communication, they are the only team selected from WB in smart Communication.

Free Health Camp was organised by the Hospital Management department in association with Fortis Hospital Ltd. on 6th April, 2018.

Academic Audit was done at GNIT during 9th – 10th May 2018.

Surface-Water connection is given to GNIT by Panihati Municipality from Ganga Action Plan on 17.05.2018 through NSS initiative.

The meeting ended with vote of thanks.

Suggestion of Prof. Utpal Roy Chowdhury, for introduction of students' feed back system are implemented by different departments to make Industry Mentor Meet and Adjunct Faculty Meet more effective.

In the last PMM on 11.11.17, detailed result analysis with comparison of MAKAUT results as suggested by the council for last Even Semester Examinations were shared with the parents highlighting institute's focus for good results by ensuring students' attendance, subject teacher's effort, mentorship and motivation to both good and weak students by their counseling in several steps involving their guardians.

As suggested by Prof. Bandyopadhyay and Konika Madam more stresses are emphasized not in skill development, but also encouraging students for higher education to improve the recruitment scenario.

Also as per the suggestion of the members of the council, published research papers are categorized in Scopus-indexed, SCI indexed & UGC approved journals and in conference proceedings at updated research directory of GNIT.

➤ **Agenda 1 Approval of Proposed Autonomy Curriculum and Syllabus for 3rd year 5th sem. B.Tech. & MCA Courses to be implemented in July 2018**

It was intimated that several steps were taken for Autonomy Curriculum and Syllabus Framing including formation of Syllabus Committee, participation of External Experts from Industry and Academia, formation of Specialized core committee for individual dept., making comparative study on existing syllabi with different IITs and MAKAUT.

Members of Academic Council raised few pertinent questions regarding credit points and contact hour distribution of few subjects of different departments, Sessional & Mandatory Courses' divisions maintaining their uniformity in various departments and suggested to modify them before final approval.

Point of Action : Concerned HODs along with their respective syllabus committee.

➤ **Agenda 2 Implementation of Autonomy Curriculum and Syllabi for 2nd year 4th sem. B.Tech. and MCA course : A Report**

It was reported in detail, that following department wise approved Autonomy Curricula and Syllabi, how various papers and contents are implemented in ongoing 2nd year ,4th sem. B.Tech. & MCA courses for all departments of GNIT by removing/shifting/newly introducing them in various departments compared to the previous MAKAUT syllabus .

➤ **Agenda 3 Effect of Industry Mentor Meet and Adjunct Faculty Meet**

It was intimated that to take the benefit of academic autonomy which was conferred to GNIT by UGC & MAKAUT, different departments organized series of adjunct faculty meets and industry mentor meets throughout the semester to introduce their students with some subject experts from organizations like **Bharat Heavy Electricals Ltd., Cognizant Technology Solutions, VECC, Bhagirathi Neotia Women & Child Care Centre** who delivered not only contents beyond syllabus under different subject codes, but also emphasized about the industry demand and expectations, recent trends

of IT industry and how and why data science becoming an important area of research in today's industry, position of **India** in global technological development. All external members strongly appreciated these efforts. Prof. Utpal Roy Chowdhury suggested to introduce feed back system for the students to make these meets more effective. All accepted the suggestion immediately.

Point of Action: All HODs

➤ **Agenda 3 Result Analysis for last Even Semester Examinations (Autonomy and MAKAUT)**

Detailed result analysis of 2nd sem. autonomy exam system and other MAKAUT even sem. was shown and 2nd sem. was compared with previous 1st sem. autonomy results. In most of the cases results were found to be better in even semester autonomy exam., exception was CSE and FT so far as highest grade is concerned, though average results were better in 2nd sem. for all streams. Prof. Rajib Bandyopadhyay asked for comparison with previous MAKAUT 2nd sem. result, when it was informed that autonomy result was better.

All agreed to the fact that better results in higher years were the general trends of Engineering students on an average, which was found to be no exception at GNIT also. Better results of ECE, CSE and IT indicate better quality students' admission as per the demand of present market scenario.

At that point Principal GNIT, Prof. Santanu Kumar Sen highlighted about institute's two focus points for good results in the form of a) increasing no. of 9 pointers and b) decreasing no. of supplementary students where students' attendance, subject teacher's effort, mentorship and motivation to both good and weak students and their counseling in several steps involving their guardians through parents-mentors meeting (PMM) were found to play major roles. Then he declared that next PMM would be held on 11.11.17.

Point of Action : PMM Committee

➤ **Agenda 4 Admission of students in (2017-18) to different programs of study**

A detailed report of the admission status of 2017-18 batch was shown where stream wise approved and total intake from WBJEE counseling and AMPAI counseling for B.Tech. courses as well as the same for WBSCTE approved Diploma courses (total 2) were

highlighted and compared with last two years' cases. External members were happy at nearly 100 % admission achieved in CSE, ECE, IT, FT, Diploma EE & ETCE. The reasons for less admission of AEIE (52 %) and EE (75 %) were discussed in the perspective of local market scenario. But as a whole more than 90 % admission including two foreign students were praise worthy.

➤ **Agenda 5 Training and Placement report**

On campus Placement record of the 2017 batch was presented and found to be a little over 42 % as on date, mentioning lesser number of offers received by students of even ECE along with FT, BCA and MCA. Prof. Bandyopadhyay and Konika Madam pointed out that the situations are similar in all Engineering institutes. They suggested not only to emphasize skill development through effective training but also to encourage students for higher education to stand tall in present competitive market. Then Principal told about the policies of lesser intakes of even bulk recruiters. Then he asked all HODs to collect information for off-campus recruitment to get the total picture hoping for a better situation when campus drive would be over for the present batch. All agreed.

Point of Action: HODs & TPO Cell

➤ **Agenda 6 Research & Development activities of faculty and Students**

It was informed that three UGC MRP granted in XII plan to GNIT were received, but unfortunately two Principal Investigators from FT changed their jobs, the remaining one from ASHU (Physics) initiated her project. Other Faculty members applied for various research grants to different recognised national funding agencies for their responses. In the mean time, they themselves and sometimes along with students published their research works in reputed journals as per the list recommended by UGC, in book chapters and in standard conferences organised by IEEE, several research institutes, universities etc . GNIT is selected as one of the NPTEL nodal centres where eighty online courses are offered by IITs. Also the regular participations of good no. of students and faculty members in seminars, workshops etc were appreciated as those help to upgrade themselves as well as the institute. Prof. Utpal Roy Chowdhury suggested to categorize published papers in Scopus-indexed and SCI indexed journals. All accepted his suggestions.

Point of Action : R & D Cell

➤ Agenda 7 Faculty and Students Achievements

- It was highlighted that two faculty members Dr. Mainak Debnath and Dr. Chinmoy Ghosh were awarded Ph.D. in the months of June and September 2017, both from Applied Science & Humanities (ASHU) Department.
- Two faculty members submitted Ph.D. thesis : 1) Ashis Dey (ASHU) and 2) Paramita Banerjee (AEIE)
- Few other faculty members published books/book chapters, one faculty member from ASHU (Maths), Anup Kumar Thander were ranked second (All India) and one student, Kunal Singh (CSE) were awarded gold in elite category in NPTEL course work conducted by IIT, KGP. Dr. kakali Bandyopadhyay, Associate Professor, FT Dept. has been awarded Teacher of the Year 2017 by MAKAUT. Students and Faculty members also won several awards including Kriti 2017 in various fields including technical model competitions , paper presentations, cultural activities etc.
- Few faculty members participated in panel discussions in Door Darshan in some special career programmes.

➤ Agenda 8 Scholarships

It was intimated that

- A special scholarship in the form of opportunity to visit Asian Institute of Technology, Bangkok for two weeks (January 2018), free of cost, are granted to pre final year students where required eligibility of the students consists of (a) at least 8.5 grade in each semester from 1st to 5th semester and (b) they have to qualify an eligibility test conducted by IEPM (An outsourced expert in conducting exams). Final selection will be done on the basis of weightage from CGPA obtained and marks scored in the screening test.
- GNIT is happy to share that **100% of the eligible girl students of GNIT** for the **Kanyasree Prokolpo** is approved by **West Bengal State Government** for **financial assistance (K2)** to pursue higher studies during 2017 and the initiatives taken by GNIT towards female empowerment has also been appreciated by the local government administration.
- GNIT also has been enlisted under the Govt. of West Bengal to incorporate **“Swami Vivekanada Merit Scholarship”** for the poor category of our students **whose family income is less than 2.5 lacs per annum.**

- Also eligible students of GNIT enjoy TFW benefits , different government-aided minority scholarships, Full free ship and Half free ship as given by the management.

➤ **Agenda 9 Sports and Extra Curricular activities (including social issues)**

It was intimated that

- *Department of Applied Science and Humanities in association with GNIT NSS unit* organized, first time in GNIT, a workshop on “Adventure Sports and Rock Climbing” on August 4, 2017 in collaboration with Plume Adventure to encourage the students in nature study and adventure sports.
- GNIT Celebrated International Yoga Day on 21st June 2017
- GNIT Cleaning programme was executed by the students under Swacch Bharat Abhiyaan and Swacch Pakhwada Drive (MHRD, Govt. of INDIA) was initiated at GNIT in the form of *Clean Your Own Place* on 5.9.17, the Teachers’ day
- A Clean Initiative program is adopted by GNIT NSS Unit in collaboration with Panihati Municipality for beautification of GNIT entrance.
- Department of Computer Application & NSS Unit of GNIT, organized a Blood Donation Camp on 15th September (Friday), 2017 in GNIT college premises in collaboration with Calcutta National Medical College
- On the eve Dipabali Festivities, GNIT employees and NSS SFU student members led by the Director and Principal, visited two Old-age Homes at Sodepur and met with the inmates and distributed sweets and fruits to all members of both the homes during second half of 18th October 2017.

➤ **Agenda 10 Any other issue with the permission of the chair**

Principal, GNIT informed about a very prestigious opportunity that GNIT got in the form of Academic Tie-UP with Stanford University (42 colleges across India and only 1 (one) college from West Bengal is selected which is GNIT) where all the 1st and 3rd Year Students of CSE and EE Dept was chosen by Stanford University-AICTE. In this regard, from 25-27 October, 2017 a team of Experts from Stanford University and AICTE came to GNIT for interaction and evaluation of selected students and concerned teachers.

The Meeting ended with vote of thanks by the Chairman.

S. Bhattacharya

Copy to:

1. Principal
2. Director
3. Dean- Research & Administration,
4. Head of the Departments- AEIE, ASHU, CSE, CA, ECE, EE, FT, HM, IT - with a request to circulate among the AC members of their departments.
5. Controller - Examination Cell
6. Registrar
7. Asst. Registrar
8. Library
9. TPO Cell
10. External Members of Academic Council