

PEER TEAM REPORT
ON
Institutional Accreditation
Of
GURU NANAK INSTITUTE OF TECHNOLOGY

**Nilgunj Road, Panihati, Sodepur
Kolkata 711 114**

25 – 27 August 2014

SUBMITTED TO



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bangalore – 560 072

PEER TEAM REPORT ON Institutional Accreditation of Guru Nanak Institute of Technology, Nilgunj Road, Panihati, Sodepur, Kolkata 700 114	
Section I : GENERAL INFORMATION	
1.1 Name & Address of the Institute	Guru Nanak Institute of Technology Nilganj Road, Panihati, Sodepur, Kolkata 700 114.
1.2 Year of Establishment	July 2003
1.3 Current Academic Activities at the Institution	UG programs (Technology) --- 06 PG programs (Technology) --- 04 MBA Program --- 01 MCA program --- 01
• Faculty	Engineering, Management
• Departments	6-Technology; 1-Computer Applications; 1-Management; 1- Applied Science and Humanities Total-9.
• Programmes / Courses offered	6-UG; 6-PG; Total-12.
• Permanent Faculty Members	168 (87-male; 81-female)
• Permanent support staff	68 (Technical 40, Non-teaching 28)
• Students:	UG; – 1581 – PG- 312 Total - 1893
1.4 Three major features in the institutional context (As perceived by the Peer Team)	<ul style="list-style-type: none"> ➤ Self financed co-educational Institution with a good reputation ➤ Adequate infrastructural facilities ➤ Management interested in development of the Institution.
1.5 Dates of Visit of the Peer Team	25 – 27 August 2014

1.6 Composition of the Peer Team which undertook the on-site visit	
Chairperson	Prof. Parag Sanghani Head of Acedamics Skyline University (R)505 Hatvee Tower, c/o Nilesh Mehta Opp. IOC Petrol Pump, 100 ft. Sattelite Ahmedabad 380015.
Member –Coordinator	Prof. Charu Lata Mahanta Prof. and Dean (R & D) Department of Food Engineering & Technology School of Engineering, Tezpur University Tezpur, 784028 Assam
Member	Prof. S.D. Bhide (Former Principal, MKSSS Cummins College of Engineering Res.: 136, Erandawane, Srinivas Villa-C, Flat No. 602, Near C.D. S.S. Pune-411004, Maharashtra
NAAC Officer	Dr. B.S. Madhukar Deputy Advisor, NAAC, P.O. Box 1075, Opp. to NLSIU Bangalore University Campus, Nagarbhavi, Bangalore- 560072, Karnataka

Section II : CRITERION WISE ANALYSIS	
2.1 Curricular Aspects	
2.1.1 Curricular Planning and Implementation:	<ul style="list-style-type: none"> ➤ Curriculum developed by the West Bengal University of Technology (WBUT) ➤ Academic Curriculum is specified by WBUT and is strictly followed by the Institute. ➤ Usage of ICT should be enhanced in Teaching-Learning process. ➤ Course plans need to be designed in more details

2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> ➤ Institute offers 6 UG, 4 PG programs in Technology; 1 PG program in Management and 1 PG program in Computer Applications ➤ Institution should offer more electives and professional certification programs ➤ Standard International textbooks should be referred during teaching
2.1.3 Curriculum Enrichment:	<ul style="list-style-type: none"> ➤ Few supplementary courses are conducted to enrich students' practical knowledge and skills. ➤ Curriculum update is done periodically by WBUT and is followed by the Institute. ➤ Faculty members should use additional teaching materials available through open platforms of various premier institutions.
2.1.4 Feedback System:	<ul style="list-style-type: none"> ➤ The Institute communicates feedback about curriculum to University periodically
2.2 Teaching-Learning & Evaluation	
2.2.1 Student Enrolment and Profile:	<ul style="list-style-type: none"> ➤ Students are admitted through state wide competitive examinations ➤ Majority of the students enrolled belong to the state of West Bengal ➤ For some programs seats are vacant, this year. Institute should try to get students from other states
2.2.2 Catering to Student Diversity:	<ul style="list-style-type: none"> ➤ Attention is given to advanced and slow learners to fulfill their needs ➤ Institution sends top rank students to International Study Tour ➤ Institute should establish necessary facilities for differently abled students ➤ As majority of the students belong to same state, diversity is limited.
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> ➤ Calendar for academic and non-academic activities exists and the same is implemented. ➤ Limited multimedia teaching facilities in the institute. ICT enabled teaching-learning should be enhanced.

	<p>Institute may deploy learning management system (LMS)</p> <ul style="list-style-type: none"> ➤ Basic facilities such as proper seating place, computers with internet, etc. need to be provided to each faculty member to enhance teaching and learning ➤ Students have easy access to faculty members
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> ➤ Out of 168 faculty, 27 hold Ph.D. degree and others members hold M. Tech / M. Phil degrees. ➤ Limited senior faculty with industrial experience is available to support and mentor younger faculty members. ➤ High variations in salary to faculty members belonging to similar category. This may increase faculty dissatisfaction. ➤ Looking to a good number of young faculty member, more teacher training programs to be organized or more faculty members be sent for FDP at premier institutions. ➤ Best Teacher and Best Researcher Awards may be instituted. ➤ Quality Research can be recognized by special monetary or non-monetary awards.
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> ➤ Proper internal examination system is in place. ➤ Weaker students are being taken care with special classes.
2.2.6 Student Performance and Learning Outcomes:	<ul style="list-style-type: none"> ➤ Students' performance in university examination is satisfactory. ➤ Meritorious students need to be encouraged by giving them suitable awards/medals

2.3 Research, Consultancy & Extension

<p>2.3.1 Promotion of Research:</p>	<ul style="list-style-type: none"> ➤ Research and Development Cell has been established and Dean (Research) has been appointed. ➤ Research leave is granted to the faculty members ➤ Best Researcher Awards to be Initiated
<p>2.3.2 Resource Mobilization for Research:</p>	<ul style="list-style-type: none"> ➤ 16 Minor Research Projects sanctioned by UGC. ➤ MOFPI has sanctioned 50 lakhs for establishing Food Processing Lab. ➤ Budget allocation to Research and Development activity is very low.
<p>2.3.3 Research Facilities:</p>	<ul style="list-style-type: none"> ➤ Some departments have created limited research facilities. ➤ Institution wide specialized research laboratories, dedicated computer facilities, sophisticated instruments, project labs, e- resources , etc. need to be created for PG and faculty research.
<p>2.3.4 Research Publications and Awards</p>	<ul style="list-style-type: none"> ➤ Faculty members have published good number of research papers. ➤ Institute encourages faculty members to publish research papers, however, efforts are necessary to publish papers in quality journals. ➤ Awards or recognitions may be given to faculty members for publishing research papers in good quality journals.
<p>2.3.5 Consultancy</p>	<ul style="list-style-type: none"> ➤ Formal consultancy policies and guidelines need to be formed and to be circulated among faculty members, ➤ Efforts be made to generate funds through consultancy activities. ➤ Two to three consultancy assignments have been undertaken in last few years.
<p>2.3.6 Extension Activities and Institutional Social Responsibility:</p>	<ul style="list-style-type: none"> ➤ Extension activities are carried out through NSS ➤ Attempts are made to inculcate skills and values through extension activities ➤ Community oriented activities and outreach programmes need to be increased. Extension

	activities should be included in curriculum through live projects and social work internships.
2.3.7 Collaboration:	<ul style="list-style-type: none"> ➤ MoUs exist with few industries and Institutions ➤ Linkages for research and extension with International Universities and private organizations need to be strengthened. ➤ National and International Student Exchange Programs can be initiated

2.4 Infrastructure & Learning Resources	
2.4.1 Physical Facilities:	<ul style="list-style-type: none"> ➤ Campus area of 7 acres with a built up area of 28750 sq. m. fulfills the requirements as per University and AICTE norms. ➤ Laboratories are established as per AICTE Norms. ➤ Existing seating space provided to faculty members seems to be insufficient ➤ Adequate hostel and sports facilities need to be created.
2.4.2 Library as a Learning Resources	<ul style="list-style-type: none"> ➤ Library provides book bank facilities to all students. ➤ Library working has been automated. ➤ Number of titles in the library is low. Only text books have been purchased. More reference books and journals need to be procured. ➤ Library budget is very low, requires significant increase. Number of e- resources and Open Access Journals need to be enhanced.
2.4.3 IT Infrastructure	<ul style="list-style-type: none"> ➤ IT Infrastructure is sufficient as per AICTE norms. ➤ Very few ICT enabled class rooms are available ➤ Advanced Software and Hardware supports be procured for teaching and research activity at PG level
2.4.4 Maintenance of Campus Facilities	<ul style="list-style-type: none"> ➤ Centralized maintenance department is established. ➤ Maintenance and cleanliness of Physical Infrastructure and computer laboratories are inadequate.

	<ul style="list-style-type: none"> ➤ Basic amenities provided to students, such as, drinking water and toilets, need to be maintained hygienically.
2.5 Student Support and Progression:	
2.5.1 Student Mentoring and Support:	<ul style="list-style-type: none"> ➤ Prospectus, academic calendar, hand book and website provide necessary information to the students ➤ Career guidance and counseling cell, skill development courses, placement cell, grievance redressal cell, mentoring system and various other committees extend good support to students
2.5.2 Student Progression:	<ul style="list-style-type: none"> ➤ Average of 68% of students have been placed through campus recruitments in last three years while 15 % students opted for higher studies ➤ Normally, every year few students secure ranks in the WBUT merit list ➤ Group discussions, guest lectures etc. are conducted and career guidance cell, grievance redressal cell provide supportive measures to reduce dropout rate
2.5.3 Student Participation and Activities	<ul style="list-style-type: none"> ➤ Institute schedules regular cultural and sport activities for students and they mention in institute's calendar. ➤ Students are encouraged to participate in sports, extra-curricular and cultural competition organized outside the institution. ➤ Students have received several awards in extracurricular activities.
2.6 Governance and Leadership:	
2.6.1 Institutional Vision and Leadership	<ul style="list-style-type: none"> ➤ Vision, mission and goals are clearly stated and displayed at all strategic places in the campus. ➤ Top management is committed to fulfill the mission and objectives set forth by the institution ➤ As majority of the faculty members are young, Principal and HOD's may spend more time in establishing institutional systems and mentoring young teachers. Schedules and agenda of faculty meetings should be included in calendar.
2.6.2 Strategy Development	<ul style="list-style-type: none"> ➤ Institute should develop different strategies with more

and Deployment :	<p>involvement of faculty members , HODs and Staff</p> <ul style="list-style-type: none"> ➤ Top management should interact with all stakeholders at least twice in a year with specific agenda.
2.6.3 Faculty Empowerment Strategies:	<ul style="list-style-type: none"> ➤ Faculty members have been members of various institutional committees. ➤ Minutes of all committee meetings need to be properly recorded ➤ Faculty empowerment in institutional decision making is limited.
2.6.4 Financial Management and Resource Mobilization :	<ul style="list-style-type: none"> ➤ Governing body and the finance committee plan fund inflow and outflow to prepare the budget ➤ Accounts are audited by internal and external qualified chartered accountants, every year. ➤ Other than grants and fees from students, institution secures funds from sponsoring agencies through endowments
2.6.5 Internal Quality Assurance System:	<ul style="list-style-type: none"> ➤ IQAC cell is constituted recently. ➤ Decisions taken in the IQAC meetings need to be implemented in time bound manner. ➤ Annual academic audit may be conducted to improve the teaching process.
2.7 Innovations and Best Practices:	
2.7.1 Environment Consciousness:	<ul style="list-style-type: none"> ➤ College campus is plastic free. ➤ Few lights inside the campus are solar powered. ➤ Institute organizes events to sensitize students regarding environmental awareness
2.7.2 Innovations	<ul style="list-style-type: none"> ➤ Institute has established online feedback system ➤ R&D Cell has been established with Dean (Research) in position
2.7.3 Best Practices	<ul style="list-style-type: none"> ➤ Institute has carried out program outcome assessment through lateral study. ➤ Institute has good mentoring program. ➤ Corpus fund has been created to assist poor students
Section III : Overall Analysis	
3.1 Institutional Strengths	<ul style="list-style-type: none"> ➤ Institution has good reputation and goodwill

	<p>among alumni and students.</p> <ul style="list-style-type: none"> ➤ Institute offers good number of educational programs at UG and PG levels. Four UG programs are NBA Accredited ➤ Reasonably equipped laboratories and adequate infrastructural facilities. ➤ Encouraging and supporting management. ➤ Good young and enthusiastic faculty team
3.2 Institutional Weakness	<ul style="list-style-type: none"> ➤ Less number of senior faculty members ➤ Only 17% faculty members have Ph.D. qualifications ➤ Quality Research and extension activities are limited. ➤ Overall educational quality of faculty members and maintenance of infrastructure need improvement ➤ Limited ICT usage in Teaching and learning
3.3 Institutional Opportunities	<ul style="list-style-type: none"> ➤ Collaborations and linkages with industries and international universities may be established ➤ Scope to introduce skill development courses to provide global competence for students. ➤ Obtain research and development projects and other projects with external funding ➤ Utilization of locational advantage for consultancy activity
3.4 Institutional Challenges	<ul style="list-style-type: none"> ➤ Faculty members to acquire research qualification and take up more research activities. ➤ Face competitions from similar institutions to stay as front-runner. ➤ To recruit and retain qualified faculty in all the programs offered. ➤ Preparing students to acquire skills to meet global challenges.

Section IV: RECOMMENDATIONS FOR QUALITY ENHANCEMENT OF THE INSTITUTION

- Detail course plans should be designed and developed. Meeting to discuss course plans should be formally scheduled in the calendar.
- Intensive use of ICT in teaching and learning is strongly recommended. Learning Management System (LMS) and Intranet can be implemented.
- Language lab should be strengthened with latest software support. Courses related to communication and professional skills may be offered rigorously to students
 - Establish more collaboration with industries to provide globally recognized professional certifications.
 - Best Researcher, Best Teacher Awards to be initiated.
 - Proper Maintenance of Physical Infrastructure and good housekeeping will improve the teaching and learning environment.
 - Sports and cultural activities need strengthening.
 - Increase the scope of extension activities and outreach programmes to have a stronger bond with society

I agree with the observations of the Peer Team as mentioned in this report.

Signature of the Head of the
Institution
Seal of the Institution

Signature of the Peer Team Members:

Name and Designation	Peer Team Members	Signature with date
Prof. Parag Sanghani	Chairperson	
Prof. Charulata Mahanta	Member Coordinator	
Prof. S. D. Bhide	Member	
Dr. B. S. Madhukar	Deputy Adviser NAAC	

Place: Kolkata

Date: 27 Aug 2014



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Quality Profile

Name of the Institution : Guru Nanak Institute of Technology

Place : Panihati, Kolkata, West Bengal

Criteria	Weightage (W_i)	Criterion-wise Weighted Grade Point ($CrWGP_i$)	Criterion-wise Grade Point Averages ($CrWGP_i / W_i$)
I. Curricular Aspects	100	300	3.00
II. Teaching-Learning and Evaluation	350	820	2.34
III. Research, Consultancy and Extension	150	400	2.67
IV. Infrastructure and Learning Resources	100	260	2.60
V. Student Support and Progression	100	300	3.00
VI. Governance, Leadership & Management	100	230	2.30
VII. Innovations and Best Practices	100	230	2.30
Total	$\sum_{i=1}^7 w_i = 1000$	$\sum_{i=1}^7 (CrWGP_i) = 2540$	

$$\text{Institutional CGPA} = \frac{\sum_{i=1}^7 (CrWGP_i)}{\sum_{i=1}^7 W_i} = \frac{2540}{1000} = \boxed{2.54}$$

Grade =

Descriptor =

Date : December 10, 2014



Anamika
Director

- This certification is valid for a period of Five years with effect from December 10, 2014
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer