

Guidelines for the Creation of the
Internal Quality Assurance Cell (IQAC)
and Submission of Annual Quality
Assurance Report (AQAR) in Accredited
Institutions
(Revised in October 2013)



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

NAAC

VISION

To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives.

MISSION

☞ To arrange for periodic assessment and accreditation of institutions of higher education or units thereof, or specific academic programmes or projects;

☞ To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education institutions;

☞ To encourage self-evaluation, accountability, autonomy and innovations in higher education;

☞ To undertake quality-related research studies, consultancy and training programmes, and

☞ To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.

Value Framework

To promote the following core values among the HEIs of the country:

- *Contributing to National Development*
- *Fostering Global Competencies among Students*
- *Inculcating a Value System among Students*
- *Promoting the Use of Technology*
- *Quest for Excellence*

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Guidelines for the Creation of the Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) in Accredited Institutions

Introduction

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a post-accreditation quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realisation of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, it will channelize all efforts and measures of the institution towards promoting its holistic academic excellence.

The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the Internal Quality Assurance Cell (IQAC). The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation it can inculcate in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

Objective

The primary aim of IQAC is

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Strategies

IQAC shall evolve mechanisms and procedures for

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) The relevance and quality of academic and research programmes;
- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) The credibility of evaluation procedures;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad.

Functions

Some of the functions expected of the IQAC are:

- a) Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- b) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- c) Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters of higher education;
- e) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- f) Documentation of the various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- i) Development of Quality Culture in the institution;
- j) Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

Benefits

IQAC will facilitate / contribute

- a) Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement;
- b) Ensure internalization of the quality culture;
- b) Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices;
- c) Provide a sound basis for decision-making to improve institutional functioning;

- d) Act as a dynamic system for quality changes in HEIs;
- e) Build an organised methodology of documentation and internal communication.

Composition of the IQAC

IQAC may be constituted in every institution under the Chairmanship of the Head of the institution with heads of important academic and administrative units and a few teachers and a few distinguished educationists and representatives of local management and stakeholders.

The composition of the IQAC may be as follows:

1. Chairperson: Head of the Institution
2. A few senior administrative officers
3. Three to eight teachers
4. One member from the Management
5. One/two nominees from local society, Students and Alumni
6. One/two nominees from Employers /Industrialists/stakeholders
7. One of the senior teachers as the coordinator/Director of the IQAC

The composition of the IQAC will depend on the size and complexity of the institution. It helps the institutions in planning and monitoring. IQAC also gives stakeholders or beneficiaries a cross-sectional participation in the institution's quality enhancement activities. The guidelines given here are only indicative and will help the institutions for quality sustenance activities.

The membership of such nominated members shall be for a period of two years. The IQAC should meet at least once in every quarter. The quorum for the meeting shall be two-third of the total number of members. The agenda, minutes and Action Taken Reports are to be documented with official signatures and maintained electronically in a retrievable format.

It is necessary for the members of the IQAC to shoulder the responsibilities of generating and promoting awareness in the institution and to devote time for working out the procedural details. While selecting these members several precautions need to be taken. A few of them are listed below:

- ♦ It is advisable to choose persons from various backgrounds who have earned respect for integrity and excellence in their teaching and research. Moreover, they should be aware of the ground realities of the institutional environment. They should be known for their commitment to improving the quality of teaching and learning.
- ♦ It would be appropriate to choose as senior administrators, persons in charge of institutional services such as library, computer center, estate, student welfare, administration, academic tasks, examination and planning and development.

- ✦ The management representative should be a person who is aware of the institution's objectives, limitations and strengths and is committed to its improvement. The local society representatives should be of high social standing and should have made significant contributions to society and in particular to education.

The role of coordinator

The role of the coordinator of the IQAC is crucial in ensuring the effective functioning of all the members. The coordinator of the IQAC may be a senior person with expertise in quality aspects. She/he may be a full-time functionary or, to start with, she/he may be a senior academic /administrator entrusted with the IQAC as an additional responsibility. Secretarial assistance may be facilitated by the administration. It is preferable that the coordinator may have sound knowledge about the computer, its various functions and usage for effective communication.

Operational Features of the IQAC

Quality assurance is a by-product of ongoing efforts to define the objectives of an institution, to have a work plan to achieve them and to specify the checks and balances to evaluate the degree to which each of the tasks is fulfilled. Hence devotion and commitment to improvement rather than mere institutional control is the basis for devising procedures and instruments for assuring quality. The right balance between the health and growth of an institution needs to be struck. The IQAC has to ensure that whatever is done in the institution for "education" is done efficiently and effectively with high standards. In order to do this, the IQAC will have to first establish procedures and modalities to collect data and information on various aspects of institutional functioning.

The coordinator of the IQAC and the secretary will have a major role in implementing these functions. The IQAC may derive major support from the already existing units and mechanisms that contribute to the functions listed above. The operational features and functions discussed so far are broad-based to facilitate institutions towards academic excellence and institutions may adapt them to their specific needs.

Monitoring Mechanism

The institutions need to submit yearly the Annual Quality Assurance Report (AQAR) to NAAC. A functional Internal Quality Assurance Cell (IQAC) and timely submission of Annual Quality Assurance Reports (AQARs) are the Minimum Institutional Requirements (MIR) to volunteer for second, third or subsequent cycle's accreditation. During the institutional visit the NAAC peer teams will interact with the IQACs to know the progress, functioning as well quality sustenance initiatives undertaken by them.

The Annual Quality Assurance Reports (AQAR) may be the part of the Annual Report. The AQAR shall be approved by the statutory bodies of the HEIs (such as Syndicate, Governing Council/Board) for the follow up action for necessary quality enhancement measures.

The Higher Education Institutions (HEI) shall submit the AQAR regularly to NAAC. The IQACs may create its exclusive window on its institutional website and regularly upload/report on its activities, as well as for hosting the AQAR.

The NAAC Accredited institutions need to submit only the soft copy as word file (.doc/.docx) through e-mail (capuaqar@gmail.com). The file name needs to be submitted with Track ID of the institution and College Name. For example MHCOGN16601-Samudra Arts and Science College, Taliamegu-Maharashtra.doc or EC_32_A&A_143 dated 3-5-2004-Samudra Arts and Science College, Taliamegu-Maharashtra.doc. The Higher Education Institutions need not submit the printed/hard copy to NAAC. The acknowledgements would be sent to the institutions through e-mail.

Mandatory Submission of AQAR by IQAC

So far submission of AQARs was not a Mandatory requirement for Institutions applying to NAAC 2nd and subsequent cycles of Assessment and Accreditation (A&A). It has now been decided by the Executive committee of NAAC that **regular submission of AQARs should be made mandatory for 2nd and subsequent cycles of accreditation.**

In view of the decision of **Executive Committee of NAAC** the following will be the pre-requisites for submission of LOI for all Higher Education Institutions (HEIs) opting for 2nd and subsequent cycles of A& A **with effect from 16th September 2016:**

- ➔ Having a functional IQAC.
- ➔ The minutes of IQAC meeting and compliance to the decisions should be uploaded on the institutional website.
- ➔ Mandatory submission of AQARs on a regular basis for institutions undergoing the second and subsequent cycles of Assessment and Accreditation by NAAC.
- ➔ Upload the AQAR's on institutional website for access to all stakeholders.

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

I. Details of the Institution

1.1 Name of the Institution

Narula Institute of Technology

1.2 Address Line 1

81, Nilgunj Road,

Address Line 2

Agarpara

City/Town

Kolkata

State

West Bengal

Pin Code

700109

Institution e-mail address

info@nit.ac.in

Contact Nos.

033-2563 7777/8888

Name of the Head of the Institution:

Prof. (Dr.) Maitreyi Ray Kanjilal

Tel. No. with STD Code:

033-25637777

Mobile:

09433035580

Name of the IQAC Co-ordinator:

Dr. Rupa Bhattacharyya
Dr. Kunal Das

Mobile:

09830225129 / 09007883929

IQAC e-mail address:

iqac_nit@jisgroup.org

1.3 NAAC Track ID (For ex. MHC0GN 18879)

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)/04/A&A/05 dated December 10,
2014

1.5 Website address:

www.nit.ac.in

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.43	2014	5Yrs
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

03.01.2012

1.8 AQAR for the year (for example 2010-11)

2017 - 2018

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR_AQAR 2015-2016 submitted on 08/08/2016
- ii. AQAR_AQAR 2016 – 2017 submitted on 26/07/2017

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

MCA and Diploma

1.12 Name of the Affiliating University (for the Colleges)

Maulana Abul Kalam Azad University of Technology (MAKAUT) [formerly West Bengal University of Technology(WBUT)]

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and
community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held 12

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

1. Seminar on “Knowledge sharing session on IPR and its relevance in Engineering Institutes”.
2. One week Faculty Development Programme on “Higher Education Faculty Career Orientation and Advancement” (CEGR Faculty).
3. One day seminar on “Changing Technology and the World of work”.
4. One day seminar on “Business Process Management”.
5. Interactive session on “R&D” by Dr. T. Radhakrishna, Emeritus Professor, JNTU.
6. One day workshop on “Arm and Embedded Systems”.
7. One day National Conference on “Science, Technology and Communication Skills”.
8. Two days workshop on “Recent Trends in Manufacturing: Materials Perspective”.
9. One day workshop on “Internet of Things and Cyber Security”.
10. Two weeks FDP on “Recent Developments in Artificial Intelligence and Robotics”.
11. One day seminar on “Women Rights: Issues and Challenges”.
12. One day seminar on “Telecommunication: From theory to practice”.
13. One day seminar on “Latest Advancement in Artificial Intelligence and Security Systems”.
14. One day workshop on “Data Analytics with R Programming”.
15. Workshop on “Industrial Automation: PLC AND Scada”.
16. Symposium on “Campus to Corporate”.
17. One day seminar on “Internet of Things” in association with NASSCOM.
18. Conducted training for the Nirman Shahayaks of Gram Panchayats on Rural Engineering Issues funded by Govt. of West Bengal.
19. One day workshop on “Entrepreneurship scopes and Challenges in Engineering and Technology”.

2.14 Significant Activities and contributions made by IQAC

Activities of IQAC:

- Intimation of quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders.
- Establishing benchmarks for the departments and planning to achieve the same.
- Arrangement of training for faculty and staff to maintain quality of education in the institute.
- Encourage faculty and staff for research and development activity.
- Documentation of the various programmes/activities leading to quality improvement.
- Preparation of AQAR for the institute.
- Conveying meeting with the stake holders.
- To monitor and follow up the academic as well as activity calendar.

Contributions of IQAC:

- Monitoring and assessing the quality of education by preparation of Self Appraisal Report of NBA and NAAC.
- Preparation of AQAR of NAAC.
- Arrangement of In-house training programmes for the faculty members on pedagogy, research and Intellectual Property Rights.
- Arranging seminars, conferences and invited talk on teaching learning and research methodology as well as on specified domains as recognized by the departments

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
<p>Learner centric approach in curriculum design:</p> <p>Under autonomous framework, every department/Stream/Subjects related to the Undergraduate and postgraduate courses of the Institute have its own Board of Studies (BOS) with Head of the Concerned Department as the Chairman and all the teachers of the Department as members. Two external experts nominated by</p>	<p>Due to this modification of syllabus and curriculum, students are taking more interest in learning and attending classes. The attendance of students in the classes have been increased.</p> <p>The parents of the students have also reported improvement in the students during the year.</p> <p>The faculty members are also more enthusiastic on offering deliberations on their own designed</p>

<p>the Academic Council, one representative from industry/corporate sector, and one University(Vice Chancellor) nominee are also the members of the BOS. Regular meeting of the BOS is being held .The curriculum of the UG and PG courses have been redefined based on need and feedback of the stakeholders and society. Accordingly, intradepartmental, interdepartmental meeting (in specific cases) has been organized to clarify objective and outcome of the respective courses, followed by meeting of BOS and Academic council. New course curriculum has been prepared keeping into account the existing curriculum of the reputed Institute, outcome of the course concerned and learners need about the course. A learner centric approach has been introduced in the revised curriculum. Consequently the syllabus of each subject has been prepared looking at the need of the industry and society. This revised curriculum has become operative from the session 2015-16.</p>	<p>curriculum and syllabus.</p>
<p>Outcome Based Syllabus Design: An outcome centric approach has been adopted and implemented in the designing of syllabus. Each department collects feedback from all stakeholders and places the same in BOS meetings for discussion to develop the syllabus. The proposed syllabus is then again reviewed by academicians and industry experts as per the need of present job market and requirement for higher studies by external academicians and industry experts as per the need of present job market and requirement for higher studies.</p>	<p>Both the faculty members and students are taking keen interest in this outcome based syllabus. The result of both odd and even semester 2016-2017 validates the fact.</p>
<p>Development of Online course ware: For the improvement of teaching learning,</p>	<p>Attendance and interaction in the class has been</p>

online courseware have been designed. Lesson plan is also given to the students prior to the commencement of the class to follow interactive teaching learning methodology.	increased.
Organisation of quality improvement programmes: Numerous quality improvement programmes were organised on teaching learning, outcome based education, research methodology.	Faculty members took keen interest on these programmes. SAR of the departments has been prepared by them.
Arrangement of Faculty Training: Various faculty and staff training programmes were organised for motivating them towards excellence. Also training programme on specific subject have also been organised for the students.	Most of the faculty member and staff participated in these programmes and they are implementing the knowledge gained in their respective assignments. Students attended in-house and outside training programmes.
To create benchmark for the department: Each department was advised to establish their own benchmark.	Each departments has identified a benchmark for the department and they are working on it to meet up the gap.

* Attach the Academic Calendar of the year as Annexure. (Academic calendar attached as Annexure ii)

2.15 Whether the AQAR was placed in statutory body Yes No
Management Syndicate Any other body

Provide the details of the action taken

The AQAR was placed in the IQAC meeting on 1st June, 2018 and BOG on 9th June, 2018 of the institute. After detailed discussion it has been recommended for submission.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	00	00	00	00
PG	06	00	06	00
UG	07	00	07	00
PG Diploma	00	00	00	00
Advanced Diploma	00	00	00	00
Diploma	03	00	03	00
Certificate	0	0	0	0
Others	0	0	0	0
Total	16	00	16	00

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

Electives are provided

(ii) Pattern of programmes:

Pattern	Number of programmes
√ Semester	16
Trimester	
Annual	

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

ECE Dept:

The syllabus has been revised and updated. Syllabus for Digital Communication ,Microprocessor & Microcontroller , Digital Signal processing , Electrical & Electronic Measurement has been revised. Also syllabus for Humanities & Basic Science Courses are revised.

Syllabus for above subjects are updated considering outcome based learning. Syllabus are revised emphasizing on numerical problems on related topics, competitive examinations, research and also on student employability in Industry

EE Dept:

The syllabus for autonomy has been revised upto 5th semester. The BOS is on its way to frame new curriculum and syllabus from the session 2018-2019. The salient features of the revised syllabus is as follows :

As per industry feedback project work, has been emphasised.

New technologies have been incorporated for sustainable development

Special emphasis has also been given on taining

For autonomy syllabus the credit point has been reduced to 198 . for 2018-2019 the same has been reduced to 162.

CSE Dept:

1 st Semester						
Paper Code	Theory	Contact Hours /Week				Credit Points
		L	T	P	Total	
M 101	Mathematics -I	3	1	0	4	4
CH 101/ PH 101	Chemistry (Gr. A) / Physics - I(Gr. B)	3	1	0	4	4
EE 101/ EC 101	Basic Electrical Engineering (Gr. A) / Basic Electronics Engineering (Gr. B)	3	1	0	4	4
HU 101	Communicative English	2	0	0	2	2
ME 101	Engineering Mechanics	3	1	0	4	4
Total of Theory						18
A. PRACTICAL						
HU191	Lang. Lab. and Seminar Presentation	0	0	2	2	1
CH 191/ PH191	Chemistry Lab (Gr. A) / Physics -I Lab(Gr. B)	0	0	3	3	2
EE 191/ EC 191	Basic Electrical Engineering Lab (Gr. A) /Basic Electronics Engineering Lab(Gr. B)	0	0	3	3	2
ME 191/ ME 192	Engg Drawing & Graphics(Gr A)/ Workshop Practice (Gr-B)	0	0	3	3	2
B. SESSIONAL						
XC181	Extra Curricular Activity (NSS/ NCC)	0	0	2	2	1
Total of Practical & Sessional						13 08
2 nd Semester						

Paper Code	Theory	Contact Hours /Week				Credit Points		
		L	T	P	Total			
M 201	Mathematics -II	3	1	0	4	4		
CH 201/ PH 201	Chemistry (Gr. B) / Physics - I(Gr. A)	3	1	0	4	4		
EE 201/ EC 201	Basic Electrical Engineering (Gr. B) / Basic Electronics Engineering (Gr. A)	3	1	0	4	4		
CS 201	Computer Fundamentals & Principle of Computer Programming	3	1	0	4	4		
ME 201	Engineering Thermodynamics & Fluid Mechanics	3	1	0	4	4		
Total of Theory						20		
B. PRACTICAL								
CS291	Computer Fundamentals & Principle of Computer Programming Lab	0	0	3	3	2		
CH 291/ PH291	Chemistry Lab (Gr. B) / Physics -I Lab(Gr. A)	0	0	3	3	2		
EE 291/ EC 291	Basic Electrical Engineering Lab (Gr. B) /Basic Electronics Engineering Lab(Gr. A)	0	0	3	3	2		
ME 291/ ME 292	Engg Drawing & Graphics(Gr B)/ Workshop Practice (Gr-A)	0	0	3	3	2		
Total of Practical						12 08		
C.SESSIONAL								
MC 281	Soft Skill Development	0	0	2	2	0		
3rd Semester								
		Contact hours				Cr. Points		
Type	Code	A. THEORY		L	T	P	Total	
BS	M(CSE)301	Mathematics-III		3	1	0	4	4
BS	PH301	Physics-II		3	0	0	3	3
ES	EE(CSE) 301	Circuit Theory and Network		3	0	0	3	3
PC	CS301	Data Structures		3	0	0	3	3
PC	CS302	Digital Electronics and Computer Organization		3	0	0	3	3
		Total Theory					16	16
B. PRACTICAL								
BS	PH391	Physics-II Lab		0	0	3	3	2
ES	EE(CSE) 391	Circuit Theory and Network Lab		0	0	3	3	2
PC	CS391	Data Structures Lab		0	0	3	3	2
PC	CS392	Digital Electronics and Computer Organization Lab		0	0	3	3	2
		Total Practical					12	8
C. SESSIONAL								
HU	HU381	Technical Report writing and Language Practice Lab		0	0	2	2	1
4th Semester								
		Contact hours				Cr. Points		
Type	Code	A. THEORY		L	T	P	Total	
BS	M(CSE)401	Numerical Methods and Statistics		3	0	0	3	3
HS	HU401	Environmental science		2	0	0	2	2
PC	CS401	Computer Architecture		3	0	0	3	3
PC	CS402	Design and Analysis of Algorithms		3	0	0	3	3

PC	CS 403	Formal Language And Automata Theory	3	0	0	3	3
Total Theory						14	14
B. PRACTICAL							
BS	M(CSE)491	Numerical Methods and Statistics Lab	0	0	3	3	2
PC	CS491	Computer Architecture Lab	0	0	3	3	2
PC	CS492	Algorithms Lab	0	0	3	3	2
PC	CS493	Programming with C++ Lab	1	0	2	3	2
Total Practical						12	8
C. MANDATORY COURSES							
MC	MC 481	Technical Communication & Soft Skills	0	0	3	3	2

5TH SEMESTER							
<u>SL No</u>	<u>Type</u>	<u>Code</u>	<u>A. THEORY</u>	Contact hours			
				<u>L</u>	<u>I</u>	<u>P</u>	<u>Total</u>
1	HS	HU 501	Economics for Engineers	2	0	0	2
2	PC	CS501	Computer Graphics	3	0	0	3
3	PC	CS502	Operating System	3	0	0	3
4	PC	CS503	Data Base Management System	3	0	0	3
5	FE	CS 504	A. Object Oriented Programming using Java B. Multimedia Technology C. Communication Engineering	3	0	0	3
6	PE	CS505	A. Operations Research B. Computational Geometry C. Digital Signal Processing	3	0	0	3
Total Theory							17
			B. PRACTICAL				
7	PC	CS591	Computer Graphics Lab	0	0	3	3
8	PC	CS592	Operating System Lab	0	0	3	3
9	PC	CS 593	Data Base Management System Lab	0	0	3	3
10	FE	CS594	A. Object Oriented Programming Lab B. Multimedia Technology Lab C. Communication Engineering Lab	0	0	3	3
11		CS 581	Mini Project	0	0	3	3
Total Practical							15
			C. MANDATORY COURSES				
12	MC	MC581	General Aptitude /Foreign Language	0	0	3	3
Total							35

6th Semester							
<u>Type</u>	<u>Code</u>	<u>A. THEORY</u>	Contact hours				Cr. Points
			<u>L</u>	<u>T</u>	<u>P</u>	<u>Total</u>	
PC	CS601	Computer Network	3	0	0	3	3

PC	CS602	Microprocessor and Microcontroller	3	0	0	3	3	
PC	CS603	Software Engineering	3	0	0	3	3	
PE	CS604	A. Compiler Design B. Robotics C. Simulation and modeling	3	0	0	3	3	
FE	CS 605	A. Pattern Recognition B. Distributed Operating System C. Distributed Database D. Computer Vision	3	0	0	3	3	
FE	CS606	A. Data Warehousing and Data Mining B. Digital Image Processing C. E-commerce and ERP	3	0	0	3	3	
Total Theory							18	18
		B. PRACTICAL						
PC	CS691	Computer Network Lab	0	0	3	3	2	
PC	CS692	Microprocessor and Microcontroller Lab	0	0	3	3	2	
PC	CS693	Software Engineering Lab	0	0	3	3	2	
Total Practical							9	6
C. SESSIONAL								
	CS681	Group Discussion and Seminar	0	0	3	3	2	
Total							30	26
7th Semester								
			Contact hours				Cr. Points	
HS	HU701	Values & Ethics in Profession	2	0	0	2	2	
PC	CS701	Artificial Intelligence	3	0	0	3	3	
PE	CS702	A. Soft Computing B. Natural Language Processing C. Web technology	3	0	0	3	3	
PE	CS703	A. Cloud Computing B. Data Analytics C. Sensor Network and IOT	3	0	0	3	3	
PE	CS704	A. Distributed Algorithms B. Bio-informatics C. Cryptography and Network Security	3	0	0	3	3	
Total Theory							14	14
Total Theory							18	18
		B. PRACTICAL						
PC	CS791	Artificial Intelligence Lab	0	0	3	3	2	
PE	CS792	A. Soft Computing Lab B. Natural Language Processing Lab C. Web Technology Lab	0	0	3	3	2	
	CS795	Project-1	0	0	3	3	2	
Total Practical							9	6

	CS781	Industrial Training	0	0	3	3	2
Total Sessional							
8th Semester							
			Contact hours				Cr. Points
		8th Semester	L	T	P	Total	
Type	Code	A. THEORY					
HS	HU801	A. Principle of Management B. Organizational Behavior	2	0	0	2	2
PE	CS801	A. Mobile Computing B. Human computer Interaction C. Cyber Law and Security Policy D. VLSI Design	3	0	0	3	3
PE	CS802	A. Parallel Computing B. Machine Learning C. Real Time Operating System and Embedded System D. Advanced Computer Architecture	3	0	0	3	3
Total Theory						8	8
		B. PRACTICAL					
PC	CS891	Design lab	0	0	3	3	2
	CS892	Project 2	0	0	12	9	6
	CS893	Seminar Presentation	0	0	3	3	2
Total Practical						18	12
		C. SESSIONAL					
	CS881	Grand Viva	0	0	0	0	4
Total						26	22
Grand Total							198

Comparative study of Course Structure for 1ST yr. 1ST Sem. B.Tech.(ALL STREAMS) course (2017-18)

MAKAUT Course Structure						AUTONOMY Course Structure								
S N	Pap er Co de	Paper Name	Contact Periods/ Week			CH	REMARKS	Paper Code	Paper Name	Contact Periods/ Week			CH	
			L	T	P					L	T	P		
1	HU 101	ENGLISH LANGUAGE & TECHNICAL COMMUNICATION	2	0	0	2	Change in nomenclature (not in paper code). Content same except in inclusion of 2 short stories, a poem and an essay.	HU 101	Communicative English	2	0	0	2	2

2.	PH 101 / CH 101	Chemistry-1 (Gr-B) / Physics – 1 (Gr-A)	3	1	0		4	Change in nomenclature (not in paper code) in Chemisrty. No change in nomenclature and paper code in Physics	CH 101/ PH 101	Chemistry (Gr. A) / Physics - I(Gr. B)	3	1	0	4	4
3.	M - 10 1	Mathematics -1	3	1	0		4	No change in nomenclature and paper code	M 101	Mathematics -I	3	1	0	4	4
4.	E S1 01	Basic Electrical & Electronic Engineering – 1 (GrA+GrB)	3	1	0	4	4	Basic Electrical Engineering with code EE101 for Gr. A Basic Electronics Engineering with code EC101 for Gr. B	EE 101/ EC 101	Basic Electrical Engineering (Gr. A) / Basic Electronics Engineering (Gr. B)	3	1	0	4	4
5.	M E- 10 1	Engg. Mechanics	3	1	0		4	No change in nomenclature and paper code	ME 101	Engineering Mechanics	3	1	0	4	4
							18								18
6.	PH 191 / CH 191	Chemistry -1 (Gr-B)/ Physics – 1 (Gr-A)	0	0	3		3	Change in nomenclature (not in paper code) in Chemisrty. No change in nomenclature and paper code in Physics	CH 191/ PH19 1	Chemistry Lab (Gr. A) / Physics -I Lab(Gr. B)	0	0	3	2	3

7.	ES 191	Basic Electrical & Electronic Engineering -1	0	0	3		3	Basic Electrical Engineering Lab with code EE191 for Gr. A	EE 191/ EC 191	Basic Electrical Engineering Lab (Gr. A) /Basic Electronics Engineering Lab(Gr. B)	0	0	3	2	3
								Basic Electronics Engineering Lab with code EC191 for Gr. B							
8.	ME 191 /19 2	Engg Drawing & Computer Graphics (Gr-B) / Workshop Practice (Gr-A)	1	0	3		4	No change in nomenclature and paper code	ME 191	Engg Drawing & Graphics(Gr A)/ Workshop Practice (Gr- B)	0	0	3	2	3
	ME 291 /29 2	Engg Drawing & Computer Graphics (Gr-B) / Workshop Practice (Gr-A)	1	0	3		4	No change in nomenclature and paper code	ME 191	Engg Drawing & Graphics(Gr A)/ Workshop Practice (Gr- B)	0	0	3	2	3
9.	HU - 181	Language Laboratory	0	0	2		2	Change in nomenclature as well as paper code. Inclusion of new project.	HU19 1	Lang. Lab. and Seminar Presentation	0	0	2	1	2
1 0.	XC 181	Extra Curricular Activities(NS S/NCC/NSO etc)	0	0	2		2	Paper code is changed	HU18 1	Extra Curricular Activity (NSS/ NCC)	0	0	2	1	2

**Comparative study of Course Structure for 1ST yr. 2nd Sem. B.Tech.(ALL STREAMS)
course (2017-18)**

MAKAUT Course Structure							REMARKS	AUTONOMY Course Structure							
S. N	Paper Code	Paper Name	Contact Periods/ Week			C H		Paper Code	Paper Name	Contact Periods/ Week			C H		
			L	T	P					L	T	P			
1.	CS201	Basic Computation &	3	1	0	4	4	Change in nomenclatur e (not in	CS 201	Computer Fundament als &	3	1	0	4	4

		Principles of Computer Programming						paper code)		Principle of Computer Programming					
2.	PH201/ CH201	Chemistry-1 (Gr-A) / Physics – 1 (Gr-B)	3	1	0		4	Change in nomenclature (not in paper code) in Chemisrty. No change in nomenclature and paper code in Physics	CH 201/ PH 201	Chemistry (Gr. B) / Physics - I(Gr. A)	3	1	0	4	4
3.	M201	Mathematics -2	3	1	0		4	No change in nomenclature and paper code	M 201	Mathematics -II	3	1	0	4	4
4.	ES201	Basic Electrical & Electronic Engineering-II	3	1	0		4	Basic Electrical Engineering with code EE201 for Gr. B Basic Electronics Engineering with code EC201 for Gr. A	EE 201/ EC 201	Basic Electrical Engineering (Gr. B) / Basic Electronics Engineering (Gr. A)	3	1	0	4	4
5.	ME-201	Engg. Thermodynamics & Fluid Mechanics	3	1	0		4	No change in nomenclature and paper code	ME 201	Engg. Thermodynamics & Fluid Mechanics	3	1	0	4	4
							20								20
6.	CS291	Basic Computation &	0	0	3		3	Change in nomenclatur	CS291	Computer Fundament	0	0	3	2	3

		Principles of Computer Programming						e (not in paper code)		als & Principle of Computer Programming Lab					
7.	PH291/CH291	Physics -1 (Gr-B) /Chemistry-1 (Gr-A)	0	0	3		3	Change in nomenclature (not in paper code) in Chemisrty. No change in nomenclature and paper code in Physics	CH 291/PH291	Chemistry Lab (Gr. B) / Physics -I Lab(Gr. A)	0	0	3	2	3
8.	ES291	Basic Electrical & Electronic Engineering- II	1	0	3		3	Basic Electrical Engineering with code EE201 for Gr. B Basic Electronics Engineering with code EC201 for Gr. A	EE 291/EC 291	Basic Electrical Engineering Lab (Gr. B) /Basic Electronics Engineering Lab(Gr. A)	0	0	3	2	3
9.	ME291 /292	Workshop Practice (Gr - B) / Basic Engg Drawing & Computer Graphics (Gr-A)	1	0	3		4	No change in nomenclature and paper code	ME 291/ME 292	Engg Drawing & Graphics(Gr B)/ Workshop Practice (Gr-A)	0	0	3	2	3
									MC 281	Soft Skill Development	0	0	2	2	2

CE Dept:

Yes. Updated as per industry requirement

ME Dept: 2nd Year, 3rd SEMESTER

Subject Type	Subject Code	Subject Name	Contact hours/Week				Total Credits
			L	T	P	Total	
THEORY:							
PC	ME 301	APPLIED THERMODYNAMICS	3	0	0	3	3
PC	ME 302	STRENGTH OF MATERIALS	3	0	0	3	3
PC	ME 303	FLUID MECHANICS	3	0	0	3	3
ES	EE(ME) 301	ELECTRICAL MACHINES	3	0	0	3	3
BS	M(ME) 301	MATHEMATICS- III	3	0	0	3	3
BS	PH(ME) 301	PHYSICS- II	3	0	0	3	3
PRACTICAL:							
PC	ME 391	STRENGTH OF MATERIALS LAB	0	0	3	3	2
PC	ME 392	MACHINE DRAWING- I	0	0	3	3	2
ES	EE(ME) 391	ELECTRICAL MACHINES LAB	0	0	2	2	1
BS	PH(ME) 391	PHYSICS-II LAB	0	0	3	3	2
SESSIONAL							
MC	MC 381	TECHNICAL SKILL DEVELOPMENT	0	0	2	2 UNITS	0
		Total: Eleven	18	0	13	31	25
2nd Year, 4th SEMESTER							
Subject Type	Subject Code	Subject Name	Contact Hours/Week				Total Credits
			L	T	P	Total	
THEORY:							
PC	ME 401	FLUID MACHINERY	3	0	0	3	3

PC	ME 402	PRIMARY MANUFACTURING PROCESS	3	0	0	3	3
PC	ME 403	ENGINEERING MATERIALS	3	0	0	3	3
PC	ME 404	MECHANISMS	3	0	0	3	3
BS	M(ME)401	NUMERICAL METHODS	3	0	0	3	3
HU	HU 401	ENVIRONMENTAL SCIENCE	2	0	0	2	2
PRACTICAL:							
PC	ME 491	FLUID MECHANICS & HYDRAULIC MACHINES LAB	0	0	3	3	2
PC	ME 492	MANUFACTURING TECHNOLOGY LAB	0	0	2	3	2
PC	ME 493	MATERIAL TESTING LAB	0	0	2	3	2
PC	ME 494	MACHINE DRAWING-II	0	0	3	3	2
BS	M(ME)491	NUMERICAL METHODS LAB	0	0	3	3	2
SESSIONAL							
HS	HU 481	TECHNICAL REPORT WRITING & LANGUAGE PRACTICE	0	0	2	2	1
		Total: Twelve	17	0	15	34	28

3rd Year, 5th SEMESTER

Subject Type	Subject Code	Subject Name	Contact Hours/Week				Total Credits
			L	T	P	Total	
THEORY:							
PC	ME 501	HEAT TRANSFER	3	0	0	3	3
PC	ME 502	DESIGN OF MACHINE ELEMENTS-I	3	0	0	3	3
PC	ME 503	DYNAMICS OF MACHINES	3	0	0	3	3
PC	ME 504	METROLOGY & MEASUREMENT	3	0	0	3	3

HU	HU(ME) 502	VALUES & ETHICS IN PROFESSION	2	0	0	2	2
PE-I	ME 505A	REFRIGERATION & AIR CONDITIONING	3	0	0	3	3
	ME 505B	MECHATRONICS					
	ME 505C	APPLIED FLUID MECHANICS					
PRACTICAL:							
PC	ME591	HEAT TRANSFER LAB	0	0	3	3	2
PC	ME 592	DYNAMICS OF MACHINES LAB	0	0	3	3	2
PC	ME 593	METROLOGY & MEASUREMENT LAB	0	0	2	2	1
PE LAB-I	ME 594 A	REFRIGERATION & AIR CONDITIONING LAB	0	0	3	3	2
	ME 594 B	MECHATRONICS LAB					
	ME 594 C	APPLIED FLUID MECHANICS LAB					
SESSIONAL							
PROJECT	ME 581	MINI PROJECT-I	0	0	3	3	2
MC	MC 582	SEMINAR	0	0	2	2	0
		TOTAL: Twelve	17	0	16	33	26

3rd Year: 6th SEMESTER

Subject Type	Subject Code	Subject Name	Contact Hours/Week				Total Credits
			L	T	P	Total	
THEORY:							
PC	ME 601	MACHINING PRINCIPLES & MACHINE TOOLS	3	0	0	3	3
PC	ME 602	DESIGN OF MACHINE ELEMENTS-II	3	0	0	3	3
PC	ME 603	IC ENGINE & GAS TURBINE	3	0	0	3	3
PE-II	ME 604A	Robotics: Mechanics and Control	3	0	0	3	3

	ME 604B	COMPOSITE MATERIALS					
	ME 604C	FLUID POWER CONTROL					
OE-I	ME605A	RENEWABLE ENERGY SYSTEMS					
	ME 605B	COMPUTATIONAL FLUID DYNAMICS	3	0	0	3	3
	ME 605C	GAS DYNAMICS AND JET PROPULSION					
PRACTICAL:							
PC	ME 691	MACHINING & MACHINE TOOLS LAB	0	0	3	3	2
PC	ME 692	DESIGN PRACTICE LAB	0	0	2	2	1
PC	ME 693	I C ENGINE LAB	0	0	3	3	2
PE LAB-II	ME 694 A	ROBOTICS LAB					
	ME 694 B	COMPOSITE MATERIALS LAB	0	0	3	3	2
	ME 694 C	FLUID POWER CONTROL LAB					
SESSIONAL:							
PROJECT	ME 681	MINI PROJECT-II	0	0	3	3	2
MANDATORY	MC 682	GROUP DISCUSSION	0	0	2	2	0
		TOTAL: Eleven	15	0	16	31	24

Note: Vocational Training to be conducted up to 6th semester and to be evaluated in 7th semester.

4th Year: 7th SEMESTER

Subject Type	Subject Code	Subject Name	Contact Hours/Week				Total Credits
			L	T	P	Total	
THEORY:							
PC	ME 701	POWER PLANT ENGINEERING	3	0	0	3	3

PC	ME 702	ADVANCED MANUFACTURING TECHNOLOGY	3	0	0	3	3
PE-III	ME 703 A	ADVANCED WELDING TECHNOLOGY					
	ME 703 B	BIOMECHANICS & BIOMATERIALS	3	0	0	3	3
	ME 703 C	FINITE ELEMENT METHOD					
PE-IV	ME 704 A	TRIBOLOGY					
	ME 704 B	OPERATIONS RESEARCH	3	0	0	3	3
	ME 704 C	MATERIALS HANDLING					
OE-II	ME 705 A	ENERGY CONSERVATION & MANAGEMENT					
	ME 705 B	QUALITY & RELIABILITY ENGINEERING	3	0	0	3	3
	ME 705 C	HYDRO, WIND AND WAVE POWER					
PRACTICAL:							
PC	ME 791	ADVANCED MANUFACTURING LAB	0	0	2	2	1
PE-III lab	ME 793 A	ADVANCED WELDING LAB					
	ME 793 B	BIOMECHANICS & BIOMATERIALS LAB	0	0	2	2	1
	ME 793 C	FINITE ELEMENT METHOD LAB					
SESSIONAL:							
PW	ME 781	PROJECT- I	0	0	6	6	3
PW	ME 782	DESIGN OF MECHANICAL SYSTEM	0	0	3	3	2
PW	ME 783	VIVA-VOCE ON VACATIONAL TRAINING	0	0	0	0	2

		TOTAL: Ten	15	0	13	28	24
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4th Year: 8th SEMESTER

Subject Type	Subject Code	Subject Name	Contact Hours/Week				Total Credits
			L	T	P	Total	
THEORY:							
HU	HU(ME)801	PRODUCTION & OPERATIONS MANAGEMANT	2	0	0	2	2
PE-V	ME 802A	AUTOMOBILE ENGINEERING	3	0	0	3	3
	ME 802B	CAD/CAM					
	ME 802C	AUTOMATION & CONTROL					
OE-III	ME 803A	TURBO MACHINERY	2	0	0	2	2
	ME 803B	MAINTENANCE ENGINEERING					
	ME 803C	NUMERICAL HEAT TRANSFER					
OE-IV	ME 804A	SAFETY & OCCUPATIONAL HEALTH	2	0	0	2	2
	ME 804B	NUCLEAR POWER GENERATION AND SUPPLY					
	ME 804C	FRACTURE MECHANICS					
SESSIONAL:							
PW	ME 881	PROJECT II	0	0	12	12	6
PW	ME 882	GRAND VIVA	0	0	0	0	2
		TOTAL: SIX	9	0	12	21	17

CA Dept:

MCA (Autonomous) Syllabus

1. Orders of few courses have been reshuffled in the entire curriculum
2. Laboratory component of some courses have been introduced
 - a. Java Lab

3. 5th Semester Syllabus has been revised entirely
4. New and Contemporary courses have been introduced in the 5th Semester as

Electives

- a. Advanced Java Technologies
 - b. Python Programming
 - c. Linux System Administration
 - d. Computational Intelligence
 - e. Mobile Computing
 - f. Compiler Design
 - g. E-commerce & Cyber-Law
 - h. Big Data
 - i. Image Processing
 - j. Network Security & Cryptography
 - k. Cloud Computing
 - l. Internet of Things
5. Laboratory components of few Elective Courses in 5th Semester
 - a. Advanced Java Technologies Lab
 - b. Python Programming Lab
 - c. Linux System Administration Lab

BS&HU Dept:

Name of the Subject	Subject Code	Change	Credit(if any change)	Remarks
Physics II	PH(CE) 301 for CE Dept.	i)Code has been changed from PH301 ii)Total contact hour has been changed from 40 to 35 (Weekly new Load is has been changed from 3 to 4) iii) Syllabus has been modified	Changed from 4 to 3	As per the change and redistribution of credit points
	PH (IT) 301 for IT Dept.	i)Code has been changed from PH301 ii)Total contact hour has been changed from 40 to 33 (Weekly new Load is has been changed from 3 to 4) iii) Syllabus has been modified		
	PH (ME) 301 for ME Dept.	i)Code has been changed from PH301 ii)Total contact hour has been changed from 40 to 33 (Weekly new Load is has been changed from 3 to 4) iii) Syllabus has been modified		
	PH 301 for CSE Dept.	i)Code has been changed from PH301 ii)Total contact hour has		

		been changed from 40 to 35 (Weekly new Load is has been changed from 3 to 4) iii) Syllabus has been modified		
Physics I	PH 101	Syllabus has been modified		
Mathematics I	M 101	i)Syllabus has been modified ii)Total contact hour has been changed from 48 to 40		Change has been done according to the requirement of the department
Mathematics II	M 201	i)Syllabus has been modified ii)Total contact hour has been changed from 48 to 40		Change has been done according to the requirement of the department
Mathematics III	M 301	i)Syllabus has been modified ii)Total contact hour has been changed from 43 to 44 iii) Code has been changed from M 302 to M 301		Change has been done according to the requirement of the department
Mathematics III	M(CSE) 301	i)Syllabus has been modified ii)Total contact hour has been changed from 48 to 44 iii) Code has been changed from M 401		Change has been done according to the requirement of the department
Mathematics III	M (IT) 301	i)Syllabus has been modified ii)Total contact hour has been changed from 48 to 44 iii) Code has been changed from M 401		Change has been done according to the requirement of the department
Numerical Methods and Statistics	M (IT) 302	i)Syllabus has been modified ii)Total contact hour has been changed from 28 to 33 iii) Code has been changed from M(CS) 301 iv) Subject name has been changed from Numerical Methods.		Change has been done according to the requirement of the department
Numerical Methods	M (CS) 301	i)Syllabus has been modified ii)Total contact hour has been changed from 28 to 33		Change has been done according to the requirement of the department
Numerical Methods	M (CS) 401	i)Syllabus has been modified ii)Total contact hour has been changed from 28 to 33		Change has been done according to the requirement of the department
Operation Research	CS505	i)Syllabus has been modified ii) Total credit has been changed from 4 to 3 ii)Total contact hour has been changed from 46 to 33		Change has been done according to the requirement of the department
Chemistry	CH 101	No change		
Chemistry	CH201	No change		
Environmental Science	Previously CH	i)Code has been changed from CH301 to HU 501	Changed from 3 to 2	Syllabus modified following the

	301(presently HU 501)	ii)Credit has been reduced from 3 to 2 iii)Shifted from 3 rd sem to 5 th sem iv) Syllabus has been modified		credit points and under the guidance of external subject experts
Environmental Science	Previously CH 401(presently HU 401)	i)Code has been changed from CH401 to HU 401 ii)Credit has been reduced from 3 to 2 iv) Syllabus has been modified	Changed from 3 to 2	Syllabus modified following the credit points and under the guidance of external subject experts
Language lab and Seminar Presentation	HU191	has been shifted from odd sem to even sem and has become HU291	unchanged	Minor changes have been made in the syllabus in the writing skills and RC section.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

NO

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
223	191	19	13	0

2.2 No. of permanent faculty with Ph.D.

31

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
191	0	19	15	13	0	0	0	223	18

2.4 No. of Guest and Visiting faculty and Temporary faculty

NA

02
NA

2.5 Faculty participation in conferences and symposia:

ECE Dept:

No. of Faculty	International level	National level	State level
Attended	10	6	7
Presented papers	5	5	
Resource Persons	4	3	1

EIE Dept:

No. of Faculty	International level	National level	State level
Attended	5	12	0
Presented papers	4	12	0
Resource Persons			

CSE Dept:

No. of Faculty	International level	National level	State level
Attended	5	7	
Presented papers	8	4	
Resource Persons		2	1

IT Dept:

No. of Faculty	International level	National level	State level
Attended	2		
Presented papers	2		
Resource Persons			

CE Dept:

No. of Faculty	International level	National level	State level
Attended	-	3	-
Presented papers	-	2	-
Resource Persons	-	-	-

ME Dept:

No. of Faculty	International level	National level	State level
Attended		3	
Presented papers			
Resource Persons			

CA Dept:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	1		
Presented papers	1		
Resource Persons		1	

BS&HU Dept:

No. of Faculty	International level	National level	State level
Attended	8	15	2
Presented papers	9	29	2
Resource Persons		2	

2.6 Innovative processes adopted by the institution in Teaching and Learning:

NPTEL course practice, Innovative project based teaching, Extramural experiments .
 Problem Solving and Project-Based Learning , Case studies, Demonstration using Models and Simulations, Experiential Learning to Reinforce the Fundamentals of the Subject

2.7 Total No. of actual teaching days during this academic year

183

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Double valuation,
Online multiple-Choice Question

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

ECE Dept

20

EE Dept

13

EIE Dept

4

CSE Dept

14

IT Dept

8

CE Dept 9

ME Dept 9

CA Dept 6

BS&HU 13

2.10 Average percentage of attendance of students 80%

2.11 Course/Programme wise distribution of pass percentage :

ECE Dept:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
UG : B-Tech in Electronics & Communication Engineering	136	72	49	2	Nil	Nil
PG : M-Tech ECE(Communication)	4	4	Nil	Nil	Nil	Ni;
PG : M Tech ECE (Microelectronics & VLSI Designs)	2	2	Nil	Nil	Nil	Nil

EE Dept:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B Tech	503	0	65	33	2	98
M Tech	13	0	100			

CSE Dept:

Title of the Programme	Total no. of students appeared	Division				
		Distinction(70) %	I %	II %	III %	Pass %
B-Tech	505	10	80	10		100
M-tech	30	10	75	15		100

IT Dept:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.Tech (IT)	221					100

CE Dept:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.Tech PG	18	83	17	-	-	-
B.Tech UG	144	13	33	39	15	-

ME Dept:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
UG	240	21	49	23	17	89

CA Dept:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
MCA	49	4	94	2	-	100
BCA	173	0.57	79	19.65	-	99.22

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- a. Professional skill development training sessions are periodically conducted by the IQAC to explore ways to enhance teacher effectiveness.
- b. The College promotes research, publications, paper presentations and participation in international/national/regional workshops, conferences and symposia.
- c. Senior faculty and administrative heads make plans for the future of the institution and prepare a road map for quality assurance and enhancement.
- d. The current policy of reviewing and redesigning curriculum/ syllabi every three years helps in staying on-board with the latest trends in higher education and societal issues.
- e. Faculty members are motivated to design contemporary, skill- based and value-added courses.

2.13 Initiatives undertaken towards faculty development

ECE Dept:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	
UGC – Faculty Improvement Programme	
HRD programmes	28
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	8
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	28
Others (MOOCS Course/NPTEL)	7

EE Dept:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	02
UGC – Faculty Improvement Programme	
HRD programmes	02
Orientation programmes	02
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	

Summer / Winter schools, Workshops, etc.	04
Others	

CSE Dept:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	14
UGC – Faculty Improvement Programme	11
HRD programmes	12
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	
Others	

IT Dept:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	
UGC – Faculty Improvement Programme	7
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	7
Others	

CE Dept:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	3
UGC – Faculty Improvement Programme	

HRD programmes	
Orientation programmes	7
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	2
Summer / Winter schools, Workshops, etc.	1 Workshop On Auto-Cad & Revit By EDUU-CAD on 19-20 TH February,2018
Others	

ME Dept:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	11
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	16
Others	

CA Dept:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	

Others	

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	41	0	41	0
Technical Staff	36	0	36	0

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

The institution encourages all the faculty members to undergo research activities and investigate into new and emerging fields of research. The faculty members are granted leave for carrying out research programmes and support is extended for participation and paper presentation in seminars and conferences. Faculty members are also encouraged to participate in workshops and faculty development programmes related to research methodology, incubation and patenting policies. Besides, the institute also undertakes the following steps to promote research:

- Research laboratories are equipped with modern equipments and high end software to promote research.
- Research laboratories of the departments remain open for longer hours
- Library is equipped with various types of hard copy and e-books. There is also well organised depository of eminent professors' lectures, NPTEL, e-journals
- CII-NIT Innovation centre is established to promote students innovative ideas to incubation.
- Faculty members have submitted for research promotion scheme under AICTE
- All the departments have submitted different proposals under AICTE for facilitating research
- Faculty members after registration in PhD programme may avail extra leave under due permission of HOD and Principal, as per requirement of their research work and also to complete course work
- A lecture on 'Knowledge sharing session on IPR and its relevance in Engineering institutes' was conducted by IQAC for awareness regarding Intellectual Property Rights and Patenting policies
- A number of seminars, workshops and conferences were organized round the year for enhancing the technical knowledge and quality of research.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	3	3
Outlay in Rs. Lakhs	16.26	29.4	51.4	72.04

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	4		
Outlay in Rs. Lakhs	5.98	13.05		

3.4 Details on research publications

	International	National	Others
Peer Review Journals	65	1	
Non-Peer Review Journals	1		

e-Journals	10		
Conference proceedings	38	60	2

3.5 Details on Impact factor of publications:

ECE Dept.:

Range Average h-index Nos. in SCOPUS

EE Dept:

Range Average h-index Nos. in SCOPUS

EIE Dept:

Range Average h-index Nos. in SCOPUS

CSE Dept:

Range Average h-index Nos. in SCOPUS

IT Dept:

Range Average h-index Nos. in SCOPUS

CE Dept:

Range Average h-index Nos. in SCOPUS

ME Dept:

Range Average h-index Nos. in SCOPUS

CA Dept:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned	Received
Major projects	3 years	AICTE & DST	29.4 L	20.42
Minor Projects	2 years	UGC	13.05 L	3.1+1.95+2.6+
Interdisciplinary Projects				
Industry sponsored	2 years	EDU GREEN PVT. LTD.	2.5 LAKH	Partially recieved by the institution
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)	5 years	DST FIST	45 L	

	2 years	AICTE MODROBS	9.09 L	7.28
	1 year	AICTE FDP	4.9 L	2.45
Total			101.44 L	

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from NA

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme

INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences

Organized by the Institution

Level	International	National	State	University	College
Number		3			
Sponsoring agencies		Self			

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	03
	Granted	0
International	Applied	0
	Granted	0
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
	3	1				

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

6

15

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level	<input type="text" value="8"/>	State level	<input type="text"/>
National level	<input type="text" value="1"/>	International level	<input type="text"/>

3.24 No. of Awards won in NCC:

University level	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.25 No. of Extension activities organized

University forum	<input type="text"/>	College forum	<input type="text" value="42"/>	
NCC	<input type="text"/>	NSS	<input type="text" value="10"/>	Any other <input type="text"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Mini Marathon involving, students, faculty, staff and local school students for uplifting the underprivileged and acid attack victims
- Blood donation camp was organised to inculcate social responsibility in student body
- Celebration of National Youth Day for spiritual awakening of the students
- Christmas celebration with underprivileged children and distribution of gifts to them
- World Energy Conservation day was observed for creating awareness to save energy
- Health check up camp was organized for the faculty, staff and students
- Seminar on 'Women's Rights: Issues and Challenges' was organized
- Observation of Vigilance Awareness week
- National Unity day was observed for preserving the unity, integrity and security of the nation
- Conduction of 'Eye testing camp'

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	26395sqm	-	Management	26395
Class rooms	49	-	Management	49
Laboratories	81	01	Management	82
Seminar Halls	02	-	Management	02
No. of important equipments purchased (\geq 1-0 lakh) during the current year.		01	AICTE MODROBS	3.25 lakhs
Value of the equipment purchased during the year (Rs. in Lakhs)	02	02	Management	1.14 lakhs
Others			AICTE & UGC	18.25 lakhs

4.2 Computerization of administration and library

Administration:

Admissions Process: Registration of applications were done online and offline. Scrutiny of applications was carried out by the Admission Committee. Based on the criteria for admissions, students were called for written tests and interviews. The call letters to students were sent through mail, posted on the college website and sent through mobile-SMS. The following lists were generated through the computer: Called list, Selected list, Admission galley, Selection galley.

Office of the Controller of Examinations: The selection process for the panel members for Question paper setting is also automated. The exam fee payment is confirmed by an electronic scanning process. Online arrear registrations are also made available for the students.

Internal Quality Assurance Cell: All official documents such as those for NAAC, UGC, Governments departments are prepared and uploaded /downloaded through inter/intranet facilities.

Library: The Library has been automated using the Library Management software “ eBLIS “. eBLIS is a user-friendly software designed to take care of all the administrative and management functions of the Library. It organizes and manages the information of the Books, Articles, Journals and Circulation in most economical and effective way.

Networking has been done in library which facilitates access of information of various types such as online databases, e-journals, e- books, digitally through networked systems. Access may be allowed online remotely through the internet or intranets.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	2500	533032	2531	11,38950	5031	16,71,982
Reference Books	252	199600	127	1,01600	379	3,01,200
e-Books	800	353319			800	353319
Journals						
e-Journals	IEEE	1258523	Science Direct	4,75728	275	4,75,728
Digital Database	02		-		02	
CD & Video	2344		110		2454	
Others (specify)	10 magazine s+6 newspaper		-		10 magazines +6 newspaper	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	900	23 labs 600 PCs	100Mbps	1 30 PCs	1 400 PCs	30 PCs	700 PCs	NA
Added	55 PCs	50 PCs	60 Mbps	NA	NA	5 PCs	50 PCs	NA
Total	900 PCs	600 PCs	100Mbps	30 PCs	400 PCs	30 PCs	700 PCs	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Blackboard (LMS) training given to faculty and staff & e-database training given to the students
--

4.6 Amount spent on maintenance in lakhs :

i) ICT	4353555.00
ii) Campus Infrastructure and facilities	10816246.00
iii) Equipments	8674713.00
iv) Others	18116387.08
Total :	41960901.08

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. To inform the students about various scholarships and awards instituted by the college and other well-wishers through college handbook and calendar and also through college website.
2. Identify and nurture the innovative minds through incubation centre. Technical, financial supports are provided to the students to build the prototype model.
3. Supports are provided to students for patent and commercialization of the prototype.
4. Encourage all U.G. students to undergo GATE/ MAT/ CAT training. Class teachers may collect the names and hand it over to the coordinator.
5. Progression and Placement data to be updated every year.

5.2 Efforts made by the institution for tracking the progression

The college has a formally stated quality policy inferring to its progression. The policies are discussed and reviewed in the IQAC meetings as and when required. Implementation of the plans depends upon various factors such as the financial approval, state laws, university statutes, etc. Policies are executed by the Teacher-in-Charge with the help of administrative section and concerned section head. IQAC monitors the proper functioning and maintains quality assurance of the Institution.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3088	140		530 (Diploma)

(b) No. of students outside the state

333

(c) No. of international students

9

Men	<table border="1"> <tr> <th>No</th> <th>%</th> </tr> <tr> <td>2826</td> <td></td> </tr> </table>		No	%	2826		Women	<table border="1"> <tr> <th>No</th> <th>%</th> </tr> <tr> <td>932</td> <td></td> </tr> </table>		No	%	932	
	No	%											
2826													
No	%												
932													

General	Last Year				Total	This Year				Total	
	SC	ST	OBC	Physically Challenged		General	SC	ST	OBC		Physically Challenged
2693	196	13	276		3178	3216	250	13	279		3378

Demand ratio: 100%

Dropout %: 2.5%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

ECE Dept:

We conduct coaching classes of different subjects for GATE and PSU examination every year for 2nd and 3rd year students. The duration of each class is two hours where we discuss problems with necessary theory followed by a MCQ based test.

EE Dept:

GATE coaching for 2nd and 3rd year students are organized every year through evening classes.

Quality study materials are provided subject wise.

Aptitude training are organized for 3rd year students

Industrial training and visits are organized for second year students.

Soft skill trainings are organized for 1st year students

EIE Dept:

For higher studies, GATE classes has been arranged and supervised for the studies in emerging research fields.

CSE Dept:

Name of the Organization	No. of Students done Industrial Visit / Internship	Discipline and Year of Student(s)
“Globsyn Business School” at Sector V, Salt Lake, Kolkata	30	CSE 3 rd yr students
“Augma Technologies”, Near E M Bypass, Kolkata	35	CSE 3 rd yr Students
Virazu lab	82	CSE 2 nd and 3 rd yr students

TCS, Hyderabad	70	CSE 2 nd and 3 rd yr students
Seminar on “Software Quality Engineering” given Dr. Anirban Basu at NiT	80	CSE 2 nd and 3 rd yr students
Departmental Training for GATE examination	120	CSE 3 rd and 4 th yr student
Soft skills and mock interviews	100	CSE 4 th Year Student

IT Dept:

GATE Preparatory Classes, Technical Training by Departmental Faculties for Campussing & Competitive Examinations

CE Dept:

Special Tutorial Class for GATE,UPSC,PSC,Goverment job

CA Dept:

JECA coaching is provided to the MCA aspirants by the faculty members

No. of students beneficiaries

1305 (approx)

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

ECE Dept:

- A group of 5 students of each section of each class are assigned to a faculty member who act as a mentor to ensure constant individual student monitoring of academic and personal progress.
- The mentors maintain an individual file for each student and keeps constant track of the progress of student.
- The mentors are also the point of contact between the department and the students' parents/guardian. They keep the parents abreast of the events in case of any problems, or concerns.
- The practice of assigning a Faculty Coordinator to each class gives an assurance to the students of a 'one point contact' for any clarification required.
- Batch Coordinators/TICs interact with the students of the respective class.
- Regular counselling of students.
- Counselling status being continuously updated in student counselling diary for each student. This is maintained for the complete course duration of B.Tech. program, in order to have a track of student progress in academic, extracurricular and emotional aspects.
- Display of counselling periods in special time table in departmental Notice board. Counselling periods increased from 1 to 2 periods
- The departments assist the students towards exploring their career options. Orientation sessions are organized for students during their early days at the department highlighting the various opportunities. Equal emphasis is given on 'research as a career'.
- Whenever an alumnus of repute visits the department, the department organizes a session for the alumni to interact with the current students on various avenues and opportunities for choosing their career. Through this process students get immensely motivated towards their career. The students are well informed about the opportunities and challenges. This helps the students in choosing their career options.
- Faculty members frequently provide guidance on best options based on student performance, interest, aptitude and merit.
- Regular updates on institute notice boards of new opportunities and announcements
- Frequent updates on institute website of new positions, fellowship opportunities/announcements
- At the time of joining, orientation programmes were conducted with regard to the course, curriculum, teaching and learning process, rules and regulations in the campus etc.
- Assignments and special coaching are provided to slow learners.
- Encouraged to perform group projects.

EE Dept:

One full day Student Counseling and career guidance sessions are held every semester at the department level. At the Institute level, these sessions are held for at least 10 days in every semester.

Students are trained for the GATE exam

Seminars are organized for entrepreneurship development.

Industry visits are organized for industrial orientation.

Mock tests are conducted to improve soft and technical skill

EIE Dept:

Through mentorship program, different topics regarding books, classes, professional training and job application are discussed with the students.

- Mentorship of students for counselling and career guidance
- Students are trained for the GATE exam after schedule class hours
- Technical training for the campus interview is provided from department and institute as well
- Mock tests are conducted to improve soft and technical skill of the students
- Training programs, workshops are conducted so that the students have the knowledge of the new technologies.
- Guest lectures, delivered by academicians and industry professionals are conducted for the benefits of the students
- Week student identification and Remedial classes conducted for improvement and enhancement of knowledge in the Subject concerned.

CE Dept:

Mainly using mentorship system as a record for guidance of students maintaining regular guidance and counselling as and when necessary. periodic student faculty meet and parent teacher meet are organized.

ME Dept:

NiT has an in-house qualified student counsellor who counsels the students on various aspects like, anxiety, confusion, anger management and depression.

No. of students benefited

1958

5.7 Details of campus placement

Number of Organizations Visited	<i>On campus</i>		<i>Off Campus</i>
	Number of Students Participated	Number of Students Placed	Number of Students Placed
108	594	267	12

5.8 Details of gender sensitization programmes

Sl no	PROGRAMME	GUEST
7.11.17	WOMEN RIGHTS ISSUES AND CHALLENGES	JUSTICE MALAY SENGUPTA
8.3.18	DEBATE COMPITITON BY STUDENTS	
8.3.18	LECTURE ON WOMEN HEALTH	DR. SAMPA CHAKRABORTY
9.3.18	SEMINAR ON WOMEN DEVELOPMENT AND PEACE	DR. MANABI BANDYOPADHYAY
28.3.18	MINI MARATHON	
20.4.18	REWARD ME BY P&G	

Debate Competition

The Women's Cell of Narula Institute of Technology Agarpara has organized a Debate competition on 8th March, 2018 in the Seminar Room of Narula Institute of Technology to celebrate the International Women's Day. The topic of the debate was "Women Empowerment is a myth in a country like India".

The debate was open only for the girl students of the college and twenty students from different semesters of CSE, IT, BBA and ECE were participated in the debate competition. The debate was monitored by the Women cell members Ms. Ananya Banerjee (Asstt. Prof. CSE) & Ms. Arnima Das (Asstt. Prof. ECE) and was judged by our honourable Advisors, Prof. (Dr.) Jayanta Kumar Das & Prof. (Dr.) P.K Banerjee.

The programme was lively as all the participants, both for and against the motion has represented their views with strong logical support and deliberation. The discussants, participated in the debate, have opined that with time the society undergoes significant change and women are also advancing in this scenario. Participants opined that the adaptability of the women are much more than that of the men and hence, the advancement of women are faster in various fields, compared to their male counterparts. However, it is also matter of certain worry that violence against women in a country like India is increasing day by day, which requires strict penalty.



One Day Seminar on Women Development & Peace at NiT

On the occasion of International Women's Day, the women Cell of Narula Institute of Technology has organized a seminar on "Women Development & Peace" on 9th March, 2018.

The guest speaker was Prof.(Dr.)Manabi Bandyopadhyay, the first Transgender woman who achieved PhD degree and the first Trans woman PRINCIPAL in our country or perhaps World. She is now the Vice Chairperson of West Bengal Transgender Development Board & the member of EC and Court University of Kalyani.

The inaugural session was graced by our honourable Principal Prof.(Dr.) M.R Kanjilal and our Registrar Ms.Nidhi Singh along with chairperson, Dr.Indrani Sarkar and convener, Dr.Sriparna Guha of the NiT Women Cell.

It was a very motivating & interactive session where the students and faculty members participated enthusiastically.



Seminar on "Women Rights: Issues & Challenges"

For ages, in the name of tradition and culture, women are subjected to violence. They are deprived of the reasonable standard of living, access to decent work and public services, the right to leisure and rest. Child marriages are still the norm in many areas, women and girls are trafficked into forced labour and sex slavery. They are denied access to education and political participation, and a section is trapped in conflicts where rape is perpetrated as a weapon of war. The instances of death related to pregnancy and childbirth are high and women are thwarted from making personal choices in their private lives.

To raise this alarming issue, the Women Cell Committee of **Narula Institute of Technology** has organised a Seminar on **Women Rights : Issues & Challenges** on 7th November, 2011 for all the female faculties, staff members and students. The key speaker was Justice Malay Sengupta (Retd. Chief Justice of Sikkim High Court). The inaugural formalities were carried forward by our Assistant Professors,

Honourable Principal, Registrar and Advisor. The main objective was to share the information and the legal aspect related to women issues and their rights.

The faculties and students enthusiastically interacted with the delegate speaker followed by a question answer session.

Some glimpses of the event are attached herewith.



Mini Marathon

The 3rd Mini Marathon was held on 28th March, 2018. This event aims at the promotion and upliftment of the underprivileged sections of the society so our slogan for the Run was run with gaiety pledge for parity.

Man Kaur, 102 year old lady, gold medalist at International Masters Games was the most highlighted participant of this Marathon and a source of inspiration for people of different age groups. Around 300 students from different schools ran for this noble cause. The chief guest of the inaugural session was Col. Bhaduria, VSM. The event was flagged off at 4pm from Agarpara (opposite to Regent Restaurant) by renowned Indian Track n field runner gold medalist at 1995 Asian Games Ms .Jyotirmoyee Sikder and end in front of Khardah Municipality. As guest of honour, notable Indian author, Mr. Ayan Paul was present throughout the event to encourage the youngsters.

Besides the marathon participants from schools, colleges and clubs, the event was attended by the acid attack victims, differently abled persons, and children from orphanages.



Seminar on Women's Health

Women's health is a major concern for all women these days and to address this issue a seminar has been organized by the Woman Cell of Narula Institute of Technology, Agarpara on 8th March 2018, on the topic “Women's Health” for the Girl Students and the Lady Faculty and the Staff members of NIT. The guest speaker was Dr. Sampa Chakroborty, MBBS, DGO from ESI Hospital Bandel. The Registrar, NiT, Ms. Nidhi Singh was also present at the event along with the other members. The seminar was interactive in nature and the speaker answered all the queries from the audience. It was also very effective as the women audience gain knowledge related to women's health.



Reward Me Programme

Women Cell organized a programme where P&G representatives conducted a “Reward Me” grooming session for P&G brands for the female students, staffs and faculties where they can interact with the grooming consultants and will get kits containing all these products with attractive offers. It was held on 20th April,2018 at Narula Institute of Technology at the NiT seminar hall.



5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

ECE Dept:

	Number of students	Amount
Financial support from institution	3	1.85Lakhs
Financial support from government	2	0.92Lakhs
Financial support from other sources	4	0.6Lakhs
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level	<input type="text" value="4"/>	National level	<input type="text"/>	International level	<input type="text"/>
Exhibition: State/ University level	<input type="text" value="5"/>	National level	<input type="text" value="1"/>	International level	<input type="text"/>

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Mission

To impart high quality Engineering and Management education to the budding professionals and provide the ambience needed for developing requisite skills to make a mark of excellence in Education, Business and Industry.

Vision

To develop responsible citizens who would 'think global and act local' and become the change agents of society to meet the challenges of future.

6.2 Does the Institution has a management Information System

The entire administrative system runs on an Integrated ERP System controlled centrally. The staff attendance, leave accounts and applications are recorded through ERP. The accounts and pay roll operations totally runs through the ERP. Purchase, store are an integral part of the ERP. All sections of the office are fully computerized.

The college has an academic management portal which takes care of various activities like admissions, attendance and internal assessment, office management, student dealing, accounts and student grievance redressed.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The curriculum has been framed in the presence of Industry Expert, External Academic Expert , Considering stake holders feedback looking into outcome based education(OBE).

- ✓ Several faculty members are involved in course restructuring and revision committees constituted by University.
- ✓ Work load distribution as per specialization of faculty members.
- ✓ Examination committee ensures smooth conduct of examinations.
- ✓ Several faculty members are active members of University appointed examination committee to frame questions papers and evaluate examination scripts.

6.3.2 Teaching and Learning

1. Departmental meetings are arranged periodically to review the progress of the academic plan for the current year. Appropriate measures are taken through extra classes.
2. Preparation of objective driven teaching plan.
3. A detailed lesson plan in accordance with the learning objective is prepared.
4. It is recorded in the register and kept in the department and teacher's diary.
5. Evaluation of teachers by students are conducted periodically through online systems and is intimated personally.
6. Class analysis of each faculty member is conducted annually by external expert. Expert comment/ suggestions are shared with the faculty members for improvement.
7. Internal academic audit is conducted.

6.3.3 Examination and Evaluation

1. In each semester two unit tests are conducted.
2. End semester examinations are conducted twice in a year. One in May-June and the other in Nov-Dec.
3. University forms a list of competent examiners for evaluation.
4. Students can also review their copies through proper channel and procedure.
5. Continuous evaluation through different methods like internal assessment test, assignments, presentations, projects etc.
6. Transparency is maintained in evaluation process.
7. Examination committee to ensure smooth conduct of examinations.
8. The end semester examination question paper is set by external.
9. The practical examination is conducted with internal and external examiners appointed by the controller of examination.

6.3.4 Research and Development

1. Staff members are motivated to take up UGC Research Projects (Major and Minor), AICTE RPS, DST, DAE and publish research articles, apply for patent.
2. Students are motivated to opt for research based projects in final year which helps to inculcate research aptitude among the students.
3. All the departments have been equipped with computer and internet facility.
4. Encouragement is given to faculty members to attend international/national conferences/symposia/seminars.
5. Institute organises International /National conference/seminar/workshops on a regular basis.
6. Students are encouraged to make publications in International and National journals and participate in conferences for paper presentations.

6.3.5 Library, ICT and physical infrastructure / instrumentation

1. Library is of 950 Sq.m
2. Central computing facility of 440 Sq.m.
3. 81 laboratories and 49 class rooms with all modern equipments and necessities.

6.3.6 Human Resource Management

1. Periodical staff meetings are conducted.
2. Different committees are constituted and continued like BOS etc for effective functioning of the departments.
3. Non teaching staff is given training in file management, clerical and secretarial works.
4. Faculty and Staff are encouraged to participate self-development programmes.
5. Administration supports faculty, staff and students with necessary and relevant support to optimize their work.
6. Estate Office offers 24x7 support for infrastructural requirements especially electricity, water supply and routine maintenance

6.3.7 Faculty and Staff recruitment

The procedure of faculty and staff recruitment is as follows:

1. Applications are invited for the vacant posts through advertisement in the leading news papers.
2. A selection committee, consisting of external members, interviews the candidate and prepares a panel, promising for the filling up of the vacant posts.
3. As per the recommendation of the selection committee, the HR personnel offers the appointment letter to the candidates for their consent to join in the position they have been selected for.
4. A candidate joining in the institute is kept at probation for 2 years.
5. After successful completion of probation period, an appraisal committee reviews and recommends the candidate for permanent recruitment.

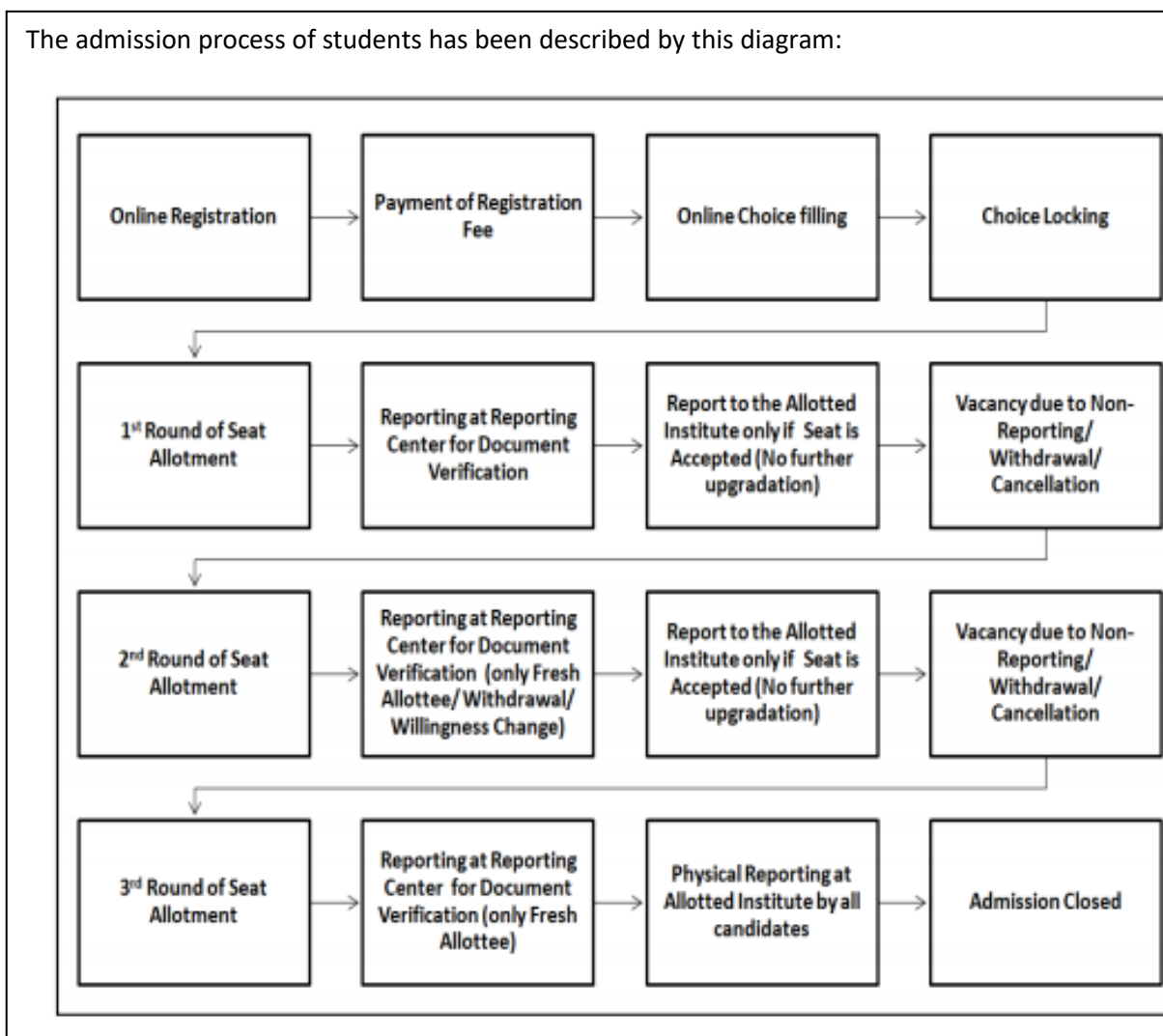
6.3.8 Industry Interaction / Collaboration

Faculty members and students visit industry to know about updated status of technical development. Industry personnel are also invited to deliver talk on recent trends in relevant field.

The Institute aims to create a learner centric environment. This we strive to achieve through the following initiatives:

- Alumni Cell
- Corporate Relations and Placement Cell

6.3.9 Admission of Students



6.4 Welfare schemes for

Teaching	Soft loan provided by institute
Non teaching	Soft loan provided by institute
Students	Fee waiver for meritorious and needy students.

6.5 Total corpus fund generated

5251418.00

6.6 Whether annual financial audit has been done

Yes

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes		Yes	JIS Group
Administrative	Yes		Yes	JIS Group

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Under autonomous framework, the Institute has separate Board of examinations for UG and PG courses. Each board of examination has been constituted following the regulations of the Institute (Reg. 4 (B.E.) & Reg. 4 (B.E.)) with the Controller of examination as the ex-officio Secretary. Regular meeting of either board of examinations are held and decisions are transmitted to the academic council for final approval. Noteworthy, modifications has been introduced in the examination systems under autonomous framework and there are specified rules for examination. According to these rules, each paper under UG courses would be set, examined and moderated by external expert approved by Board of Studies of the concerned department.

Apart from these, reforms in written examinations, continuous evaluation system has been introduced with relevant marks which is reflected in internal marks (30% of total marks). Innovative method of testing students' performance such as quizzing, group discussions are encouraged for evaluation. Moreover in practical classes continuous performance evaluation is included as a part of evaluation system.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The institute in already autonomous and affiliated to MAKUAT.

6.11 Activities and support from the Alumni Association

Activities

- 1) AGM (yearly)
- 2) Alumni Meet
- 3) Friendship Football Match (Alumni vs Current Students)
- 4) Friendship Cricket Match (Alumni vs Current Students)
- 5) Exhibition and Seminar by eminent personality
- 6) Frequent meet through different formal meetings

Support

- 7) Technical lectures by Alumni regularly.

6.12 Activities and support from the Parent – Teacher Association

Parent online feedback mechanism is running in each department. Parent-faculty meeting session is held once in a semester regarding academic progress of student. Each faculty member acts as a mentor for a group of students. Parents also contact with respective mentor of their ward regarding academic issues.

Parent Teacher meeting is conducted periodically to know about the students' progress. The meeting is a platform to offer suggestions for further improvement and development of the students. The parents get an opportunity to interact with the faculty members and heads of the departments to know about their ward's performance and study.

6.13 Development programmes for support staff

Different in-house work shop and hands on session are conducted for the skill development of technical staff in hardware and software tools and communication.

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. Two separate wastage bins are maintained for bio degradable (green colour bin) materials and non bio degradable (yellow colour bin) materials respectively.
2. Maintenance of garden, playground, auditorium, gymnasium, sports room.
3. Adherence to the E-Waste (Management and Handling) rules, 2011, as laid down by Ministry of Environment and Forests. E- Waste materials are disposed in collaboration with Ramky E-Waste Recycling facility.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Online course materials have been prepared and made available in institute's website for the students for the consecutive years. Under autonomous framework, every department/stream/subjects related to the undergraduate and postgraduate courses of the Institute have its own Board of Studies (BOS) with Head of the concerned department as the Chairman and all whole-time teachers of the Department as members. Two external experts nominated by the academic Council, one representative from industry/corporate sector and one University nominee are also the members of the BOS. Regular meeting of the BOS is held and after getting autonomous status initiatives have been taken to restructure and redesign the curriculum of the respective UG and PG courses. Accordingly, interdepartmental meeting (in specific cases) has been organized to clarify objective and outcome of the respective courses, followed by meeting of BOS and academic council. New course curriculum has been prepared keeping into account the existing curriculum of the reputed Institute, outcome of the course concerned and learners need about the course. A learner centric approach has been introduced in the revised curriculum. Consequently the syllabus of each subject has been prepared. This revised curriculum has become operative from the session 2016-17 1st year students. Also 2nd, 3rd and 4th semester syllabus has been prepared and approved in the current academic session. All the online course materials have been uploaded in the existing academic year. Academic review and performance evaluation, internal academic audit for the current academic year was conducted.

Innovative project models are made to show in the Technological festival at college level and outside the college also.

Academic concept stands on CO & PO

- Academic and lesson plan prepared by each faculty.
- Improving soft skills of the student through training and placement.
- Improving teaching and technical skills of faculty by various programmes.
- Increasing placement opportunities for the student.
- Improving social involvement of the students by NSS.
- The students are taught for content beyond the syllabus.
- Value added courses improve the technical skills of the student.

- Entrepreneurship boost up
- Introduction to IoT and Machine learning based project work at the departmental level

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Agenda	Action taken
Linkage with industry	<p>Several seminars and industry-institute interactions were carried out throughout the year to facilitate enhanced linkage with the industry. Some of the initiatives taken for improving the industry linkage are as follows:</p> <ul style="list-style-type: none"> • Industrial visit to Dream Bake Pvt. Ltd. at Dhulagarh on 17th Feb, 2018 • Industrial visit to Electrosteel Castings Ltd. at Khardah on 17th Feb, 2018 • Corporate Pulse in Dec, 2017 • Industrial visit at Godrej Prakriti Project in Sodepur (Simplex Infrastructures) on 2nd Nov, 2017 • Industrial visit at IIT Kharagpur Research Park project in Rajarhat (constructed by NCC Ltd.) on 7th Nov, 2017 • Workshop on ‘Industrial Automation – PLC and SCADA sponsored by IET from 4th – 5th Sept., 2017 • Industrial seminar sponsored by IEEE-CAS and COMSoC Chapters on 15th Sept, 2017 • Industrial visit to Electrosteel Casting Ltd. by ME 3rd year students on 9th Sept, 2017 • Technical seminar by IET Chairman Prof. (Dr.) J.K Roy on 18th Aug, 2017 • Workshop on Effective Financial Management – A key role to Business Success by Mr. Tapesh Mukherjee, Cost Accountant on 18th Aug, 2017 • Technical discussion on Data Analytics with Mr. Kaushik Muhury, Principal Consultant, PWC on 11th Aug, 2017 • Technical discussion on IoT with Dr. Sourav Dutta, Executive Consultant, Cloud IoT, IBM on 18th Aug, 2017 • Simulation on Vector Cardiography at CMC on 19th Aug, 2017 • Discussion on submission of joint research proposal to ISI on 12th Aug, 2017 • Familiarization with different rolling machines at Britannia Engineering Ltd., Titagarh on 12th Aug, 2017 • Industrial seminar on Cloud Computing by Mr. Prasun Sounda, Principal Architect, Tech Mahindra on 19th July, 2017 • IETE Eastern Zonal seminar on Smart India and its application on 12th July, 2017 • Familiarization with different CNC tools at MSME Tool Room, Bonhoogly on 22nd July, 2017 • Technical discussion on Internet of Things by APT Software Avenues Pvt. Ltd. in Association with NASSCOM on 27th July, 2017
Revision of syllabus	The syllabus was modified according to industry needs to stress upon outcome based education.

<p>Quality improvement of staff and faculty</p>	<p>A number of programmes in the form of workshops, seminars, conferences and training were conducted round the year to facilitate quality improvement of faculty and staff.</p> <ol style="list-style-type: none"> 1. Seminar on “Knowledge sharing session on IPR and its relevance in Engineering Institutes”. 2. One week Faculty Development Programme on “Higher Education Faculty Career Orientation and Advancement” (CEGR Faculty). 3. One day seminar on “Changing Technology and the World of work”. 4. One day seminar on “Business Process Management”. 5. Interactive session on “R&D” by Dr. T. Radhakrishna, Emeritus Professor, JNTU. 6. One day workshop on “Arm and Embedded Systems”. 7. One day National Conference on “Science, Technology and Communication Skills”. 8. Two days workshop on “Recent Trends in Manufacturing: Materials Perspective”. 9. One day workshop on “Internet of Things and Cyber Security”. 10. Two weeks FDP on “Recent Developments in Artificial Intelligence and Robotics”. 11. One day seminar on “Women Rights: Issues and Challenges”. 12. One day seminar on “Telecommunication: From theory to practice”. 13. One day seminar on “Latest Advancement in Artificial Intelligence and Security Systems”. 14. One day workshop on “Data Analytics with R Programming”. 15. Workshop on “Industrial Automation: PLC AND Scada”. 16. Symposium on “Campus to Corporate”. 17. One day seminar on “Internet of Things” in association with NASSCOM. 18. Conducted training for the Nirman Shahayaks of Gram Panchayats on Rural Engineering Issues funded by Govt. of West Bengal. 19. One day workshop on “Entrepreneurship scopes and Challenges in Engineering and Technology”.
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Soft skill and aptitude development of students	<ul style="list-style-type: none"> • 1st year and 2nd year students undergo soft skill and aptitude by in-house faculty members • 3rd year students undergo soft skill training by external members
Improvement in academic activity of students	<ul style="list-style-type: none"> • 3rd year and 4th year students undergo technical training by the respective departmental faculty members or external members • Training sessions by Alumni association (Training program on “Basic Electronics, Embedded systems, PLC, SCADA & PCB design” from 5th -17th May, 2018) • Training & Placement department organised an HR Symposium titled “Campus to Corporate” on 19th August 2017. • Conduction of diagnostic test for 1st year students • Remedial class for weak students • Project Competition – ‘Tech talent hunt’ for students of B.Tech and Diploma Engineering Colleges on 18th – 19th Aug, 2017 (EE) • All India MCA Meet at Trichy – MCA 2nd and 3rd year students on 19th – 20th Aug, 2017 (CA) • Debate on ‘ Does marketing with a social cause give brands a human face?’ for students of IT 1st and 2nd year on 11th Aug, 2017 (IT) • Technical quiz on ‘Operating System’ by students of IT 3rd year on 20th Aug, 2017 (IT) • Project display by ECE & EIE Departments at CII on 7th Sept, 2017

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Refer to Annexure iii

****Provide the details in annexure (annexure need to be numbered as i, ii,iii)***

7.4 Contribution to environmental awareness / protection

1. Regular campaigning through road shows, posters, graffiti by students in and outside the campus to improve awareness about tree plantation, etc. among the students and local community people.
2. During the technical festival of the institution several models and posters have been prepared by the students to increase awareness on several environmental issues. Tree plantation is also done by the Principal to increase awareness on the issue.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

STRENGTH

- Good location of the Institute
- NAAC Accreditation, NBA accredited Programs, Autonomous status, MOU with different industries and institutes
- Dedicated and qualified Faculty and staff members
- Alumni Association
- Well equipped advanced laboratories and high-end Software
- Well furnished centralized computer labs with LAN connection
- WiFi facilities
- Library with large number of Hard copy and soft copy books with different titles for different branches
- Specified reading rooms for students and faculty members in the library
- Hard copy and online Journals, Repository of NPTEL online lectures
- Funding from DST FIST, Govt. of India
- UGC minor projects,
- Ragging free campus
- Student Life Center for extracurricular activities
- Large number of Research publication by the faculty members
- Good Faculty retention
- Good Academic ambience

WEAKNESS

- Lack of industry experienced faculty members
- Lack of Sr. Experienced Faculty members in some departments

OPPORTUNITIES

- NBA accreditation for all programs
- Higher Grade in NAAC accreditation
- International accreditation
- Enhance interaction with industry
- Collaborative research project with industry
- Academic excellence
- Strengthen the Alumni Association

CHALLENGES

- Cope up with rapid technological change
- Admission of quality students

Future Plan

- More number of experienced faculty members with Ph.D in Engineering Section and also industry experienced faculty members.
- Up gradation of knowledge and qualification of in house faculty members.
- Monitoring and evaluation of all administrative and academic activities through ERP
- Renewal of NBA accreditation for all eligible programs
- Higher Grade in NAAC
- Excellence in Academic Status

8. Plans of institution for next year

- Introduce innovative and unique practices by each department for the welfare and academic excellence of the students.
- To enrich the online courseware for all the subjects incorporating animation under autonomy curriculum for the students.
- Increase the number of research publications in high quality journals specially by core departments.
- To get more projects from different funding agency.
- The number of students with certification through NPTEL local chapter is to be increased.
- To raise the ranking of the institution in national level through NAAC and NIRF.
- Renewal accreditation of all the UG and PG programmes by NBA.
- The functioning of the Grievance Redressal Committee, Disciplinary Committee, Anti Ragging Committee and other committees will be made more rigorous to maintain proper campus discipline and healthy academic atmosphere.
- Continue publish magazines centrally as well as by all departments .
- All the academic activities will be linked through ERP system to avail all the information readily.
- As a part “Clean campus project” we plan to plant more trees and increase the greenery of the surrounding. This will be done in coordination with local municipality.

Name Dr. Rupa Bhattacharyya




Signature of the Coordinator, IQAC

Name Dr. Kunal Das



Signature of the Coordinator, IQAC

Name: Prof. (Dr.) M.R. Kanjilal



Signature of the Chairperson, IQAC

Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

Annexure ii

ACADEMIC CALENDAR – ODD SEMESTER 2017 [July to December]

JULY

Month	Date	Day	Particulars
July	1	Saturday	Weekly off
July	2	Sunday	Weekly off
July	3	Monday	Semester Break
July	4	Tuesday	Semester Break
July	5	Wednesday	Semester Break
July	6	Thursday	Semester Break
July	7	Friday	Semester Break
July	8	Saturday	Weekly off
July	9	Sunday	Weekly off
July	10	Monday	Semester Break
July	11	Tuesday	Semester Break
July	12	Wednesday	1 Teaching Day [Odd Sem Commencement 2017]
July	13	Thursday	2 Teaching Day
July	14	Friday	3 Teaching Day
July	15	Saturday	Weekly off
July	16	Sunday	Weekly off
July	17	Monday	4 Teaching Day [Registration ongoing batch]
July	18	Tuesday	5 Teaching Day[Registration ongoing batch]
July	19	Wednesday	6 Teaching Day[Registration ongoing batch]
July	20	Thursday	7 Teaching Day[Registration ongoing batch]
July	21	Friday	8 Teaching Day[Registration ongoing batch]
July	22	Saturday	<i>Seminar/Workshop of CE & ME Department</i>
July	23	Sunday	Weekly off
July	24	Monday	9 Teaching Day
July	25	Tuesday	10 Teaching Day

July	26	Wednesday	11 Teaching Day [Distribution project - Final year]
July	27	Thursday	12 Teaching Day [Distribution project - Final year]
July	28	Friday	13 Teaching Day [Distribution project - Final year]
July	29	Saturday	Weekly off
July	30	Sunday	Weekly off
July	31	Monday	14 Teaching Day

AUGUST

August	1	Tuesday	15 Teaching Day
August	2	Wednesday	16 Teaching Day [Commencement of new UG batch]
August	3	Thursday	17 Teaching Day [Orientation Prog of New Batch]
August	4	Friday	18 Teaching Day [Orientation Prog of New Batch] [Declaration of Attendance % of July]
August	5	Saturday	Weekly off
August	6	Sunday	Weekly off
August	7	Monday	19 Teaching Day [Orientation Program & Diagnostic test - New Batch]
August	8	Tuesday	20 Teaching Day [Orientation Program & Diagnostic test - New Batch]
August	9	Wednesday	21 Teaching Day [Orientation Program & Diagnostic test - New Batch]
August	10	Thursday	22 Teaching Day
August	11	Friday	23 Teaching Day
August	12	Saturday	<i>Seminar/ Workshop of ECE & EIE Department</i>
August	13	Sunday	Weekly off
August	14	Monday	Holiday (Janmastami)
August	15	Tuesday	Holiday (Independence Day Celebration)
August	16	Wednesday	24 Teaching Day

August	17	Thursday	25 Teaching Day
August	18	Friday	26 Teaching Day
August	19	Saturday	Weekly off
August	20	Sunday	Weekly off
August	21	Monday	27 Teaching Day
August	22	Tuesday	28 Teaching Day
August	23	Wednesday	29 Teaching Day
August	24	Thursday	30 Teaching Day
August	25	Friday	31 Teaching Day
August	26	Saturday	<i>Seminar/ Workshop of CSE, IT & CA Department</i> <i>Seminar/ Workshop of Pharmacy Department</i>
August	27	Sunday	Weekly off
August	28	Monday	32 Teaching Day
August	29	Tuesday	33 Teaching Day
August	30	Wednesday	34 Teaching Day
August	31	Thursday	35 Teaching Day [Distribution 1 st Assignment]

SEPTEMBER

September	1	Friday	36 Teaching Day
September	2	Saturday	Holiday (Id-Ul-Zuha)
September	3	Sunday	Weekly off
September	4	Monday	37 Teaching Day [Declaration of Attendance % of August]
September	5	Tuesday	38 Teaching Day (Teachers' day)
September	6	Wednesday	39 Teaching Day
September	7	Thursday	40 Teaching Day [Submission 1 st Assignment]
September	8	Friday	41 Teaching Day [Submission 1 st Assignment] [Invited Lecture in ECE/EIE/EE Dept]
September	9	Saturday	Freshers' Welcome

September	10	Sunday	Weekly off
September	11	Monday	42 Teaching Day
September	12	Tuesday	43 Teaching Day
September	13	Wednesday	44 Teaching Day [Submission of Question Paper-U Test 1]
September	14	Thursday	45 Teaching Day [1 st review of Project –Final Yr]
September	15	Friday	46 Teaching Day [Submission of Q paper-U Test 1] [Invited Lecture in CE/ME/BM/FT Dept]
September	16	Saturday	Weekly off
September	17	Sunday	Weekly off
September	18	Monday	47 Teaching Day
September	19	Tuesday	Holiday (Mahalaya)
September	20	Wednesday	48 Teaching Day [1st Unit Test]
September	21	Thursday	49 Teaching Day [1st Unit Test]
September	22	Friday	50 Teaching Day [1st Unit Test]
September	23	Saturday	Weekly off
September	24	Sunday	Weekly off
September	25	Monday	51 Teaching day
September	26	Tuesday	Holiday (Durga Puja)
September	27	Wednesday	Holiday (Durga Puja)
September	28	Thursday	Holiday (Durga Puja)
September	29	Friday	Holiday (Durga Puja)
September	30	Saturday	Holiday (Durga Puja)

OCTOBER

October	1	Sunday	Holiday (Durga Puja)
October	2	Monday	Holiday (Gandhi Birthday)
October	3	Tuesday	Holiday (Durga Puja)
October	4	Wednesday	Holiday (Durga Puja)
October	5	Thursday	Holiday (Durga Puja)
October	6	Friday	52 Teaching Day
October	7	Saturday	Weekly off
October	8	Sunday	Weekly off
October	9	Monday	53 Teaching Day [Declaration of Attendance % of September]
October	10	Tuesday	54 Teaching Day
October	11	Wednesday	55 Teaching Day
October	12	Thursday	56 Teaching Day
October	13	Friday	57 Teaching Day [1st Unit Test Result]
October	14	Saturday	<i>Seminar/ Workshop of BA / EIE / Food Technology / BME Department</i> <i>Seminar/ Workshop of Hotel & Hospitality Management Department</i>
October	15	Sunday	Weekly off
October	16	Monday	58 Teaching Day [Showing Checked Answer Script of 1 st U Test to students]
October	17	Tuesday	59 Teaching Day [Showing Checked Answer Script of 1 st U Test to students]
October	18	Wednesday	60 Teaching Day [Distribution of 2 nd Assignment]
October	19	Thursday	Holiday (Kali Puja)
October	20	Friday	Holiday (Immersion of Goddess)
October	21	Saturday	Holiday (Bhatriidwitiya)
October	22	Sunday	Weekly off
October	23	Monday	61 Teaching Day

October	24	Tuesday	62 Teaching Day
October	25	Wednesday	63 Teaching Day
October	26	Thursday	64 Teaching Day (Submission of 2 nd assignment)
October	27	Friday	65 Teaching Day (Submission of 2 nd assignment)
October	28	Saturday	<i>Seminar by Basic Science & Humanities Department</i>
October	29	Sunday	Weekly off
October	30	Monday	66 Teaching Day
October	31	Tuesday	67 Teaching Day

NOVEMBER

November	1	Wednesday	68 Teaching Day
November	2	Thursday	69 Teaching Day [Submission of Question paper for Unit Test 2]
November	3	Friday	70 Teaching Day [Choice of Electives] [Declaration of Attendance % of October]
November	4	Saturday	Holiday (Guru Nanak Birthday)
November	5	Sunday	Weekly off
November	6	Monday	71 Teaching Day
November	7	Tuesday	72 Teaching Day
November	8	Wednesday	73 Teaching Day [2 nd review of project-Final yr]
November	9	Thursday	74 Teaching Day
November	10	Friday	75 Teaching Day [Invited Lecture in CSE/IT/CA Dept]
November	11	Saturday	Weekly off
November	12	Sunday	Weekly off
November	13	Monday	76 Teaching Day
November	14	Tuesday	77 Teaching Day
November	15	Wednesday	78 Teaching Day [2 nd unit test & student feedback]
November	16	Thursday	79 Teaching Day [2 nd unit test & student feedback]
November	17	Friday	80 Teaching Day [2 nd unit test & student feedback]
November	18	Saturday	Weekly off

November	19	Sunday	Weekly off
November	20	Monday	81 Teaching Day
November	21	Tuesday	82 Teaching Day
November	22	Wednesday	83 Teaching Day
November	23	Thursday	84 Teaching Day
November	24	Friday	85 Teaching Day [Publication result 2 nd unit test] [Invited Lecture in BA Dept]
November	25	Saturday	Weekly off
November	26	Sunday	Weekly off
November	27	Monday	86 Teaching Day [Showing Checked Answer Script of 2 nd U Test to students]
November	28	Tuesday	87 Teaching Day [Practical Exam & Viva-Voce]
November	29	Wednesday	88 Teaching Day [Practical Exam & Viva-Voce]
November	30	Thursday	89 Teaching Day [Practical Exam & Viva-Voce]

DECEMBER

December	1	Friday	90 Teaching Day [Practical Exam & Viva-Voce]
December	2	Saturday	Weekly off
December	3	Sunday	Weekly off
December	4	Monday	91 Teaching Day (Clearing doubts) [Declaration of Attendance % of November]
December	5	Tuesday	92 [Theory Exam under Autonomy]
December	6	Wednesday	93 [Theory Exam under Autonomy]
December	7	Thursday	94 [Theory Exam under Autonomy]
December	8	Friday	95 [Theory Exam under Autonomy]
December	9	Saturday	Weekly off
December	10	Sunday	Weekly off
December	11	Monday	96 [Theory Exam under Autonomy]

December	12	Tuesday	97[Theory Exam under Autonomy]
December	13	Wednesday	98[Theory Exam under Autonomy]
December	14	Thursday	99[Theory Exam under Autonomy]
December	15	Friday	100[Theory Exam under Autonomy]
December	16	Saturday	Weekly off
December	17	Sunday	Weekly off
December	18	Monday	101[Theory Exam under Autonomy]
December	19	Tuesday	102[Theory Exam under Autonomy]
December	20	Wednesday	103 [Theory Exam] [Submission of Lesson Plan of the next Semester]
December	21	Thursday	104 [Theory Exam]
December	22	Friday	105 [Theory Exam] [Time Table publication for next Semester]
December	23	Saturday	Weekly off
December	24	Sunday	Weekly off
December	25	Monday	Holiday (Christmas Day)
December	26	Tuesday	Inter Semester Break
December	27	Wednesday	Inter Semester Break
December	28	Thursday	Inter Semester Break
December	29	Friday	Inter Semester Break
December	30	Saturday	Inter Semester Break
December	31	Sunday	Inter Semester Break [Last date of Submission Semester fees for next semester]

*Semester Practical and Theory Examination dates may change.

Date of invited lecture & Seminar/Workshop may vary upto one week

ACADEMIC CALENDAR – EVEN SEMESTER 2018 [January to June]

Month	Date	Day	Academic Calendar	Departmental Events

January	1	Monday	Winter Break end	Winter Break end
January	2	Tuesday	Reopen after winter Recess [Even	[Even Sem Commencement 2018]
			Sem Commencement 2018]	
January	3	Wednesday	1 Teaching Day	[AICTE Sponsored FDP start – ECE]
			2 Teaching Day	
January	4	Thursday	[Seminar on Research Methodology & Staff Development]	[AICTE Sponsored FDP– ECE]
			3 Teaching Day	
January	5	Friday	[Seminar on Research Methodology & Staff Development]	[Seminar on Research Methodology and Staff Development]
January	6	Saturday	Weekly off	
January	7	Sunday	Weekly off	
January	8	Monday	4 Teaching Day	
			5 Teaching Day	
January	9	Tuesday		
			[Registration ongoing batch]	
January	10	Wednesday	6 Teaching Day	
			[Registration ongoing batch]	
January	11	Thursday	7 Teaching Day	
			[Registration ongoing batch]	
January	12	Friday	8 Teaching Day	
			[Registration ongoing batch]	

January	13	Saturday	Weekly off	
January	14	Sunday	Weekly off	Weekly off
				(Training of CE4 (MS Project) [start FDP on
January	15	Monday	9 Teaching Day	Industrial Automation- EIE] (Faculty
				Development Program Begins - EE)
				(Training of CE4 (MS Project) [Industry
				Visit-
January	16	Tuesday	10 Teaching Day	For BBA 2 nd Year] [FDP on Industrial
				Automation- EIE]
January	17	Wednesday	11 Teaching Day	(Training of CE4 (MS Project) [FDP on
				Industrial
				Automation- EIE]
January	18	Thursday	12 Teaching Day	(Training of CE4 (MS Project) [Industrial
				Talk -
				CE] [FDP on Industrial Automation- EIE]
				[Industrial visit- EE] (Faculty Development
				Program complete - EE) (Training of CE4 -
				MS
January	19	Friday	13 Teaching Day	Project) [END FDP on Industrial
				Automation- EIE
] [Industry visit - IT] (Invited Lecture -CSE)
				[Industrial Seminar - ME]
January	20	Saturday	Staff Picnic	[Industry visit- EIE] (Industrial visit - EE)
January	21	Sunday	Weekly off	Weekly off
January	22	Monday	Holiday [Saraswati Puja]	Holiday [Saraswati Puja]

January	23	Tuesday	Holiday [Netaji's Birthday]	Holiday [Netaji's Birthday]
January	24	Wednesday	14 Teaching Day [Distribution of project to students]	[Distribution project] [Departmental Audit – CA] [Training of CE4] (MS Project)
January	25	Thursday	15 Teaching Day [Distribution of project students]	[Technical Discussion with Industry Mentor - EIE] [Workshop – CA] (Training of CE4 (MS Project) [Industrial visit- CSE]
January	26	Friday	Holiday [Republic Day]	Holiday [Republic Day]
January	27	Saturday	Weekly off	Weekly off [Departmental Audit – EIE] [Industry visit -ME]
January	28	Sunday	Weekly off	Weekly off
January	29	Monday	16 Teaching Day	(Training of CE4 (MS Project)

				[Industrial seminar/ Industrial Talk- CE]
January	30	Tuesday	17 Teaching Day	(Training of CE4 (MS Project) [Industrial Seminar
			[Industrial seminar –CSE,IT & CA]	- IT]
				(Competition of PPT Presentation for all
January	31	Wednesday	18 Teaching Day	Electrical Engg. Students) [Industrial Visit- ECE]
				(Training of CE4 (MS Project)
February	1	Thursday	19 Teaching Day [Declaration of Attendance % of Jan]	[Declaration of Attendance % of Jan] (Training of CE4 (MS Project)
February	2	Friday	Sports (Students)	Sports (Students) [Industrial Mentor – CA] (Training of CE4 (MS Project)
February	3	Saturday	Sports (Students)	
February	4	Sunday	Weekly off	
February	5	Monday	20 Teaching Day	
February	6	Tuesday	21 Teaching Day	
February	7	Wednesday	22 Teaching Day	
			23 Teaching Day	
February	8	Thursday	(Innovative Idea Proposal	
			Submission at Dept)	

			24 Teaching Day	
			(Innovative Idea Proposal	
February	9	Friday	Submission at Dept)	
			[SJS Cricket Tournament for	
			teachers]	
February	10	Saturday	[SJS Cricket Tournament for	
			teachers]	
February	11	Sunday	Weekly off	
			25 Teaching Day	
February	12	Monday		
			[Distribution 1 st Assignment]	
February	13	Tuesday	26 Teaching Day	Training of CE4 (MS Project)
			[Distribution 1 st Assignment]	
February	14	Wednesday	27 Teaching Day	[technical workshop- EIE] [Training of CE4 (MS
				Project) Seminar/ Industrial Talk]
February	15	Thursday	28 Teaching Day	[CV writing Workshop- BA] [technical workshop-
			[Submission of Q paper-U Test 1]	EIE] (Invited Lecture -CSE) Training of CE4 (MS
				Project)
February	16	Friday	29 Teaching Day	[Industrial Visit- ECE] [technical workshop- EIE]
			[Submission of Q paper-U Test 1]	[Quiz / GD competition, CSE] [Industry visit -ME]
				[Training of CE4 (MS Project)]

February	17	Saturday	Weekly off	[Industry visit - IT] National Conference BS & HU
February	18	Sunday	Weekly off	Weekly off
February	19	Monday	30 Teaching Day	Training of CE4 (MX Road)
February	20	Tuesday	31 Teaching Day [Innovative Idea competition Dept – CSE, ME, CA] <i>[Industrial Seminar – ECE, EIE, Physics]</i>	[Industrial visit- CSE] C.V writing Workshop [Training of CE4 (MX Road)]
February	21	Wednesday	32 Teaching Day [Innovative Idea competition Dept – IT, EE, BA]	[Innovative Idea competition Dept – IT, EE, BA] [Training of CE4 (MX Road)]
February	22	Thursday	33 Teaching Day [Innovative Idea competition Dept- EIE , CE, ECE]	[Innovative Idea competition Dept- EIE , CE, CSE] [Workshop on Finance & Accounting] [Training of CE4 (MX Road)][Project progress Assessment- EIE]
February	23	Friday	34 Teaching Day [SJS Cricket Tournament for students]	[Innovative Idea competition Dept – ECE, ME, CA] [Industrial Visit of CE] [Invited Talk - ME] [Training of CE4 (MX Road) Industrial Visit of

				CE2A]
February	24	Saturday	[SJS Cricket Tournament for students]	[Industrial Seminar - IT] Industrial Visit of CE2B
February	25	Sunday	Weekly off	Weekly off
			35 Teaching Day	
February	26	Monday	[Submission of 1 st Assignment]	[Distribution of Topic for Debate/ PPT/ GD]
			[Distribution of Topic for Debate/	(Invited Lecture -EE) Training of CE4 (MX Road)
			PPT/ GD]	
			36 Teaching Day	
February	27	Tuesday	[Submission of 1 st Assignment]	[Distribution of Topic for Debate/ PPT/ GD]
			[Distribution of Topic for Debate/	(Invited Lecture -CSE) Training of CE4 (MX Road)
			PPT/ GD]	
			37 Teaching Day [Declaration of	
			Attendance % of Feb]	[Distribution of Topic for Debate/ PPT/ GD]
February	28	Wednesday	[Submission 1 st Assignment]	[Industry Visit – CA] [Declaration of Attendance
			[Distribution of Topic for Debate/	% of Feb] Training of CE4 (MX Road)
			PPT/ GD]	
March	1	Thursday	Holiday [Dol Purnima]	Holiday [Dol Purnima]
March	2	Friday	Holiday [Holi]	Holiday [Holi]
March	3	Saturday	Weekly off	Weekly off [Industry Visit – CA]

March	4	Sunday	Weekly off	Weekly off
			38 Teaching Day	[Debate / GD/ PPT Competition] [Training of
March	5	Monday	[1st Unit Test]	CE4 (MX Road)]
March	6	Tuesday	39 Teaching Day	[Debate / GD/ PPT Competition] [Training of
			[1st Unit Test]	CE4 (MX Road)]
March	7	Wednesday	40 Teaching Day	[Debate / GD/ PPT Competition] [Training of
			[1st Unit Test]	CE4 (MX Road)]
March	8	Thursday	41 Teaching Day	[Mini marathon] [Training of CE4 (MX Road)]
				[Debate / GD/ PPT Competition] [Seminar by
March	9	Friday	42 Teaching Day	Alumni - CA][IEEE CAS Sponsored Seminar- ECE]
][Industrial Visit of CE] [Mock GD- EIE]
				[Parent-Teacher Meeting - I] [[Training of CE4
March	10	Saturday	[Parent-Teacher Meeting - I]	(MX Road)] Industrial Visit of CE] [Industry visit
				- IT]
March	11	Sunday	Weekly off	Weekly off
March	12	Monday	43 Teaching Day [Debate / GD/ PPT Competition] [Distribution of Answer script-	[FDP- IT] [Training of CE4 (MX Road)]

			Unit Test 1]	
March	13	Tuesday	44 Teaching Day [Debate / GD/ PPT Competition]	[FDP- IT] [Training of CE4 (MX Road)]
March	14	Wednesday	45 Teaching Day [Debate / GD/ PPT Competition]	[Quiz Contest- BBA1] [FDP- IT] (Invited Lecture - CSE) [Training of CE4 (MX Road)]
March	15	Thursday	46 Teaching Day [Final Evaluation of Innovative Idea competition & Tech Fest]	[Final Evaluation of Innovative Idea competition] [Quiz Contest-BBA2] [FDP- IT] [Training of CE4 (MX Road)]
March	16	Friday	47 Teaching Day [1st Unit Test Result] [Final Evaluation of Innovative Idea competition & Tech Fest]	[Final Evaluation of Innovative Idea competition] (seminar - EE) [Quiz Contest-BBA3] [FDP- IT] (Industrial seminar - CSE) [Technical Seminar - ME] [Invited Talk - ME] [Training of CE4 (MX Road) Industrial Visit of CE3A]
March	17	Saturday	Tech Fest	[Industry visit –IT] [Industrial Visit of CE3A] [FDP- IT] [Industry visit -ME] [Technical Seminar - ME]
March	18	Sunday	Weekly off	Weekly off
March	19	Monday	48 Teaching Day [1 st review of Project]	[1 st review of Project] [Invited Talk - IT] [FDP- IT] [Training of CE4 (MX Road)]
March	20	Tuesday	49 Teaching Day	[Quiz Contest- BA] [Industry visit – EIE]

				[FDP- IT] [Training of CE4 (MX Road)]
March	21	Wednesday	50 Teaching Day	[Industry visit – EIE] [FDP- IT] [Training of CE4 (MX Road) Industrial Visit of CE2A]
March	22	Thursday	51 Teaching Day	[FDP- IT] [Industrial visit- CSE] [Training of CE4 (MX Road) Industrial Visit of CE2A]
March	23	Friday	52 Teaching Day [Cultural fest]	[Industrial seminar EE] [Industry Visit – CA]
				[FDP- IT] [Industrial Seminar - ME] [Training of CE4 (MX Road)]
March	24	Saturday	[Cultural Fest]	
March	25	Sunday	Weekly off	Weekly off
March	26	Monday	53 Teaching Day	
March	27	Tuesday	54 Teaching Day	
March	28	Wednesday	55 Teaching Day	
March	29	Thursday	56 Teaching Day <i>[Industrial seminar- CE, ME,]</i>	[Industrial Visit of DCE3] [One Day Seminar- BA]
March	30	Friday	Holiday [Good Friday]	Holiday [Good Friday]
March	31	Saturday	Weekly off	[National Conference BS & HU]
April	1	Sunday	Weekly off	Weekly off

April	2	Monday	57 Teaching Day [Declaration of Attendance %-Mar]	[Declaration of Attendance %-Mar]
April	3	Tuesday	58 Teaching Day	
April	4	Wednesday	59 Teaching Day	[Technical Seminar - IT]
April	5	Thursday	60 Teaching Day	[Seminar/ Industrial Talk - CE]
April	6	Friday	61 Teaching Day	(Invited Lecture -EE) [FDP- ME]
April	7	Saturday	[Industrial seminar –EE , BA,Chemistry]	[FDP- ME]
April	8	Sunday	Weekly off	Weekly off
April	9	Monday	62 Teaching Day	
April	10	Tuesday	63 Teaching Day	[Academic Audit- CSE]
April	11	Wednesday	64 Teaching Day	
April	12	Thursday	65 Teaching Day	
April	13	Friday	66 Teaching Day	[Technical Presentation competition- EIE]
April	14	Saturday	Holiday [Bengali New Year / Ambedkar Birthday]	Holiday [Bengali New Year / Ambedkar Jayanti]
April	15	Sunday	Weekly off	Weekly off
April	16	Monday	67 Teaching Day	(seminar - EE) [FDP-CSE]
April	17	Tuesday	68 Teaching [Distribution 2 nd	[Distribution Assignment/Quiz] [FDP-

			Assignment]	CSE]
April	18	Wednesday	69 Teaching Day	[Industrial Seminar- ECE] [FDP-CSE]
April	19	Thursday	70 Teaching Day [Submission of Q paper-U Test 2]	[FDP-CSE] [Invited Talk - ME][Technical Discussion with Adjunct Professor]
April	20	Friday	71 Teaching Day [Submission of Q paper-U Test 2]	[Industry visit -ME]
April	21	Saturday	[Parent-Teacher Meeting - II]	[Parent-Teacher Meeting - II] [Invited Talk - IT]
April	22	Sunday	Weekly off	Weekly off
April	23	Monday	72 Teaching Day	[Adjunct Faculty – CA]
April	24	Tuesday	73 Teaching Day	[Project progress Assessment]
April	25	Wednesday	74 Teaching Day	
April	26	Thursday	75 Teaching Day [2 nd review of project]	[2 nd review of project]
April	27	Friday	76 Teaching Day [Submission of 2 nd Assignment]	[Submission of Assignment/Quiz] (Invited Lecture -CSE) [Industrial Seminar - ME]
April	28	Saturday	Weekly off	Weekly off
April	29	Sunday	Weekly off	Weekly off
			77 Teaching Day [Declaration of	

April	30	Monday	Attendance %-Apr]	[Declaration of Attendance %-Apr]
May	1	Tuesday	Holiday [May Day]	Holiday [May Day]
May	2	Wednesday	78 Teaching Day [2nd Unit Test] [Collection of Student feedback]	[Invited Talk - IT]
May	3	Thursday	79 Teaching Day [2nd Unit Test]	
			[Collection of Student feedback]	
May	4	Friday	80 Teaching Day [2nd Unit Test] [Collection of Student feedback]	(seminar - EE)
May	5	Saturday	Weekly off	Weekly off
May	6	Sunday	Weekly off	Weekly off
May	7	Monday	81 Teaching Day [Choice of Electives for next Sem]	[Choice of Electives for next Sem] [Work shop- IT]
May	8	Tuesday	82 Teaching Day	[Work shop- IT]
May	9	Wednesday	83 Teaching Day [Rabindra Jayanti Celebration]	[Work shop- IT]
May	10	Thursday	84 Teaching Day	
May	11	Friday	85 Teaching Day [Submission of Requisition for	[Technical Seminar- ECE]

			Infrastructure and Manpower]	
May	12	Saturday	Weekly off	Weekly off
May	13	Sunday	Weekly off	Weekly off
May	14	Monday	86 Teaching Day [Distribution Answer script of Unit Test II]	
May	15	Tuesday	87 Teaching Day	
May	16	Wednesday	88 Teaching Day	[Distribution Answer script of slot test]
May	17	Thursday	89 Teaching Day [Doubt Clearing] [Publication of result of Unit Test II]	[Publication of result of slot test & Doubts clearing]
May	18	Friday	90 Teaching Day [Farewell to final year students]	[Farewell to final year students] [Technical Seminar - ME] [National Seminar- ECE]
May	19	Saturday	Weekly off	[National Seminar- ECE]
May	20	Sunday	Weekly off	Weekly off
May	21	Monday	91 Teaching Day [Doubt Clearing]	
May	22	Tuesday	92 Teaching Day [Doubt Clearing] [Declaration of Attendance %- May]	
May	23	Wednesday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
May	24	Thursday	[Semester Examination	[Semester Examination

			Theory/Practical]	Theory/Practical]
May	25	Friday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
May	26	Saturday	Weekly off	Weekly off
May	27	Sunday	Weekly off	Weekly off
May	28	Monday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
May	29	Tuesday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
May	30	Wednesday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
May	31	Thursday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
June	1	Friday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
June	2	Saturday	Weekly off	Weekly off
June	3	Sunday	Weekly off	Weekly off
June	4	Monday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
June	5	Tuesday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]

June	6	Wednesday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
June	7	Thursday	[Semester Examination Theory/Practical	[Semester Examination Theory/Practical
June	8	Friday	[Semester Examination	[Semester Examination Theory/Practical]
			Theory/Practical]	
June	9	Saturday	Weekly off	Weekly off
June	10	Sunday	Weekly off	Weekly off
June	11	Monday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
June	12	Tuesday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
June	13	Wednesday	[Semester Examination Theory/Practical	[Semester Examination Theory/Practical]
June	14	Thursday	[Semester Examination Theory/Practical]	[Semester Examination Theory/Practical]
June	15	Friday	Holiday [Eid-UI-Fitr]	Holiday [Eid-UI-Fitr]
June	16	Saturday	Weekly off	Weekly off
June	17	Sunday	Weekly off	Weekly off
June	18	Monday	Inter Semester Break	Inter Semester Break
June	19	Tuesday	Inter Semester Break	Inter Semester Break

June	20	Wednesday	Inter Semester Break	Inter Semester Break
June	21	Thursday	Inter Semester Break	Inter Semester Break
June	22	Friday	Inter Semester Break	Inter Semester Break
June	23	Saturday	Inter Semester Break	Inter Semester Break
June	24	Sunday	Inter Semester Break	Inter Semester Break
June	25	Monday	Inter Semester Break	Inter Semester Break
June	26	Tuesday	Training of students	Inter Semester Break
June	27	Wednesday	Training of students	Inter Semester Break
June	28	Thursday	Training of students	Inter Semester Break
June	29	Friday	Training of students	Inter Semester Break
June	30	Saturday	Training of students	Inter Semester Break

*Semester Examination dates may change

Annexure iii

Best Practice I

1. Title of the Practice

Outcome based syllabus

1. Goal

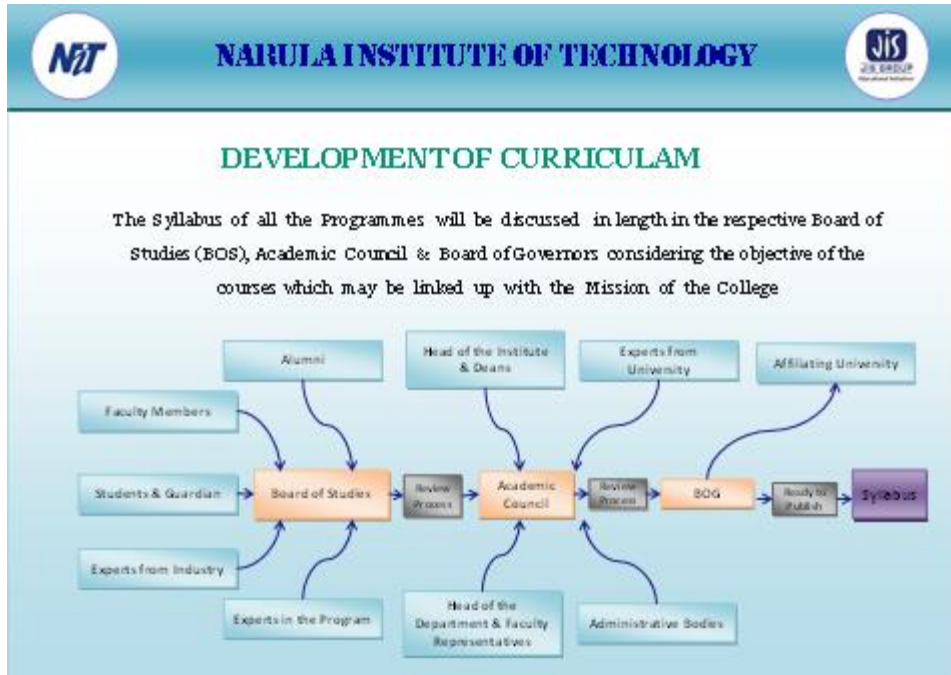
- To aid in the overall growth of the students to make them ready for industry and to be acceptable by the society.

2. The Context

The technology is in a continuous change depending on which the need of the society is also changing. Therefore based on the need of the industry and society the syllabus is revised continuously taking the feedback of the different stakeholders.

3. The Practice

The feedback of the stakeholders are analysed in the BOS in presence of experts from industry academics and alumni members. On the basis of this the best framed syllabus is placed before the academic council for final approval. The syllabus has also been modified for 2nd year onwards as per autonomy curriculum.



4. Evidence of Success

Success has been observed through the performance of the students.

Best Practice II

1. Title of the Practice

Interactive teaching learning methodology

2. Goal

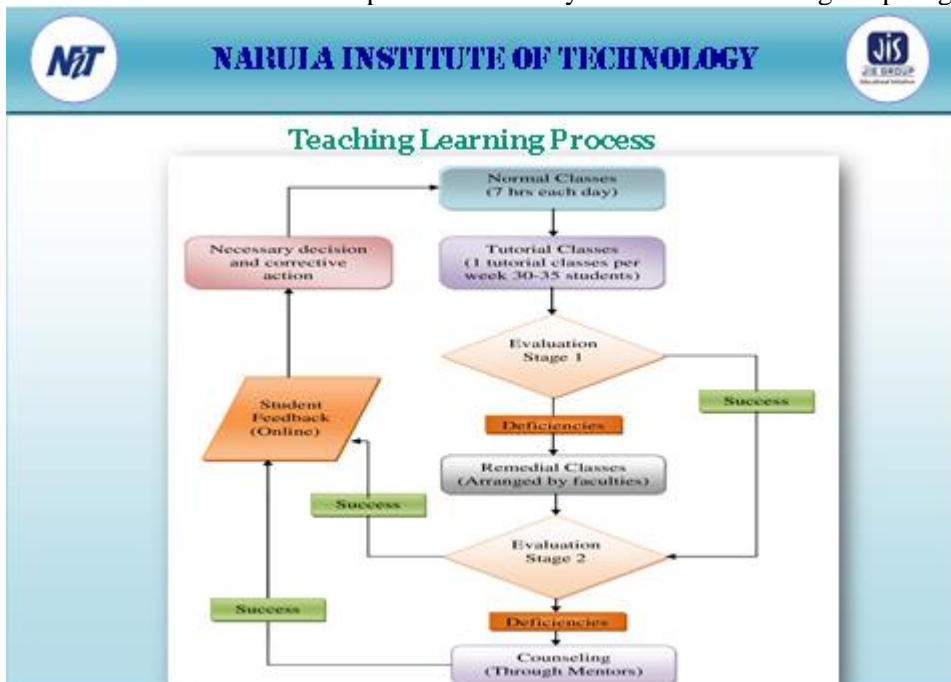
- To make the classroom more student friendly and increase the attendance of the students.

1. The Context

To increase the interest of the students towards the subject and for better understanding of it.

2. The Practice

Lesson plan and online courseware of each subject is uploaded in the institutional and the departmental website prior to the commencement of classes. Thus the students come to the class knowing the topic that will be discussed. Moreover in this respect 100% faculty members had undergone pedagogy training.



3. Evidence of Success

Attendance and interest of the students have increased.

Best Practice III

1. Title of the Practice

Certification through online course.(NPTEL local chapter)

2. Goal

- To increase the understanding of the students by providing them more academic exposure and nurturing the habit of self learning.

3. The Context

To fit in the competitive market this online course provides a broad spectrum of learning different subjects beyond syllabus to the students. It also provides a platform of national level competition and a wide field of academic exposure.

4. The Practice

Local chapter of the NPTEL course has been established and about 300 students have gone through different certification courses. About 200 students appeared for examination and have emerged successfully.

5. Evidence of Success

The institute has been ranked with A rating.

Best Practice IV

1. Title of the Practice

Compulsory Industrial Training of the students

2. Goal

- To increase the level of skill of young engineers with direct interaction with industry.
- To increase employability of the students.

3. The Context

The exposure of young engineers to the industry and present day industry requirement is of utmost importance. An incubation cell for these pass out engineers with direct intervention with industry can be a good platform for them to improve their employability.

4. The Practice

In house and external training programmes are arranged for the students periodically.

5. Evidence of Success

Students find profound interest in taking up the training lessons as it helps them to sort out their weaknesses.

Best Practice V

1. Title of the Practice

Incubation of Innovation.

2. Goal

- To encourage and assist in setting up enterprises by individual including first generation entrepreneurs through appropriate training
- To create awareness among various target groups on entrepreneurial opportunities in West Bengal and India.

3. The Context

To spread entrepreneurial education at the college among the students so that they may acquire skills for self-employment.

4. The Practice

Students were encouraged to enrich and incubate their ideas and guided for entrepreneurship and self employment.

5. Evidence of Success

A good response was observed from the students. A MOU has been signed between MSME and Narula Institute of Technology as host institute.

Best Practice VI

Title of the Practice

Departmental Monthly Report

The monthly report is generated by all the departments to keep all information up to date. The report includes all the achievements of the respective departments on a prescribed format and the entire information remains updated for any required reference.

Annexure iv
Student feedback

Faculty Appraisal New Tab 172.18.23.102:106/Forms/frmOnlineTest.aspx


Student Feedback Time Left: 27:19

Click Here To Submit

Subject Details

Subject	Short Name	Click Here
CS 201	ABB	Click Here
MC281	ASB	Click Here
EE291	ARM	Click Here
M201	ASC	Click Here
TR1	ASC	Click Here
M201	KRS	Click Here
TR1	MBG	Click Here
EE291	PLD	Click Here
EE291	PRM	Click Here
CH201	RUB	Click Here
CH291	RUB	Click Here

Current Selection



**BASIC
COMPUTATION
& PRINCIPLES
OF COMPUTER
PROGRAMMING**
ANIRBAN BHAR

A: Course Coverage
0 1 2 3 4 5 6 7 8 9 10 Not Offered

B: Presentation Skill
0 1 2 3 4 5 6 7 8 9 10 Not Offered

C: Regularity & Punctuality
0 1 2 3 4 5 6 7 8 9 10 Not Offered

D: Interactive Teaching Methodology
0 1 2 3 4 5 6 7 8 9 10 Not Offered

E: Motivation Skill
0 1 2 3 4 5 6 7 8 9 10 Not Offered

F: Students Satisfaction
0 1 2 3 4 5 6 7 8 9 10 Not Offered

G: Approachability
0 1 2 3 4 5 6 7 8 9 10 Not Offered

12:12 PM
8/1/2018

Annexure v

Alumni Feedback and Analysis

NARULA INSTITUTE OF TECHNOLOGY

Specimen copy of Alumni Feedback

NARULA INSTITUTE OF TECHNOLOGY
Alumni Feedback Form

a) Name: PARAMES MUKHERJEE

b) Designation: Associate IT Engineer

c) Batch: 2012

d) Stream: C.S.E.

e) Name of the Organization: ZMC LTD.
Address: 38, canal street, Kolkata

f) Contact Details:
Mobile No. : 907014490
E-mail address: PARAMESMUKHERJEE@AMAIL.COM

Note: 1) Rate on a 10 Point Scale
(10-Excellent, 8-9 - Very Good, 6-7 - Good, 5-Average, 3-4 - Poor, 0-2- very Poor)

2) Kindly write Suggestions, if any, based on your professional career. These suggestions will be helpful to us for strengthening our teaching practices for current UG / PG students.

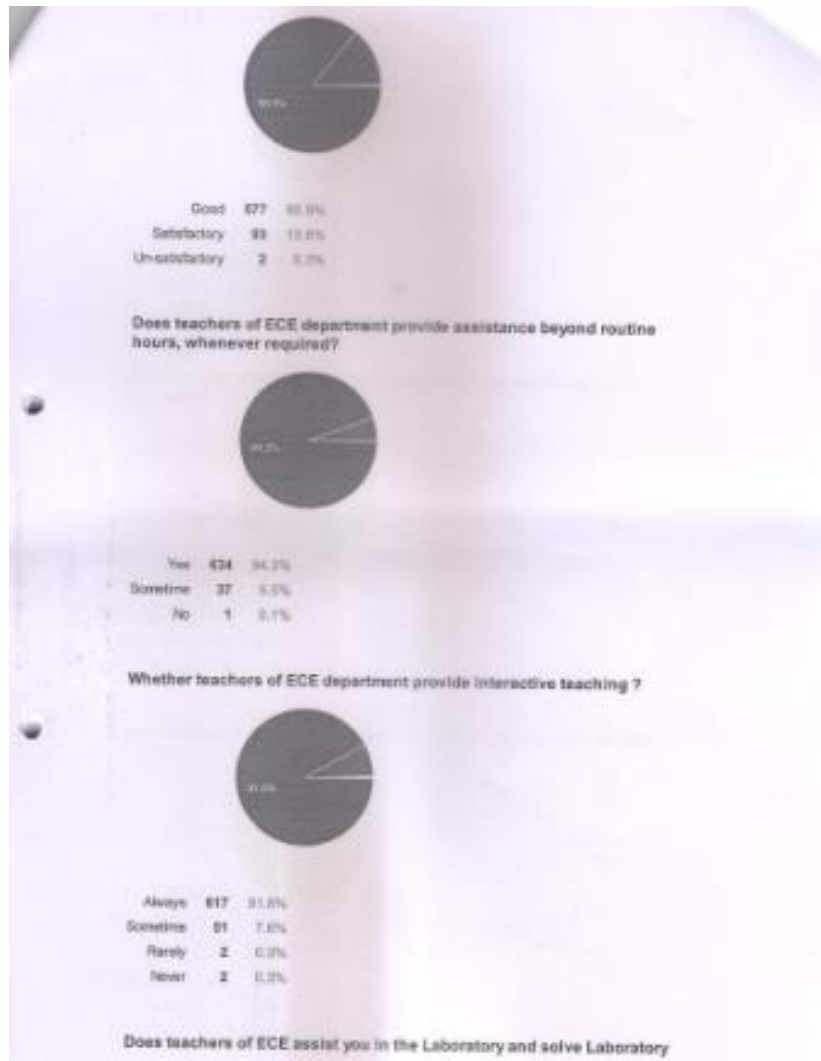
	Description	Marks	Suggestions (if any)
1.	How appropriate was the curriculum for UG / PG Course to comply industry need.	8	
2.	Do you think the technical knowledge imparted during UG/PG level are sufficient to solve Engineering problems in work.	9	
3.	How will you rate your ability to analyze or interpret the data to design a system, component or process as per the need of the industry?	7	
4.	Do you think you have learnt enough education during UG / PG study work in a team?	9	
5.	Do you think that the training for professional skill development during UG / PG level were sufficient?	5	
6.	Ability developed in UG / PG to use modern engineering tools.	8	
7.	Ability to understand professional and ethical responsibility imparted in UG / PG level?	7	
8.	Do you think the quality of laboratory / infrastructure used for imparting education at UG / PG level are State-of-the-art in consonance with the industry expectations?	8	
9.	Do you think that the faculty / staff members associated with your department during your study, needs more knowledge / skills/ industry linkage for better quality of teaching?	8	
10.	How much pride do you feel to express yourself as an alumni of NIT	10	

Sl. No.	Description	Marks	Suggestions (if any)
11.	Value reflects on you from industry and as an alumnus of IIT in comparison to other colleges / Universities?	8	TECHNOLOGY
12.	How would you rate the official website of the Institute in terms of professionalism and transparency?	6	

Would you like to be an entrepreneur in future? Yes / No

If yes, then, would you like to join our EDC cell? Yes

Annexure vi
Parent's Feedback Analysis
Specimen Copy of only One Department



related problems ?



Always	620	92.2%
Sometimes	49	1.3%
Rarely	2	0.3%
Never	1	0.1%

Does teacher of ECE give assignments and check the assignments regularly ?



Always	629	95.6%
Sometimes	43	6.4%
Rarely	0	0%
Never	0	0%

Does teacher of ECE come to the class on time and take full class time ?



Always	648	95.1%
Sometimes	25	3.7%
Rarely	1	0.1%

Annexure vii
Employer's Feedback Analysis

Specimen Copies of Employer's Feedback Analysis

NARULA INSTITUTE OF TECHNOLOGY Administration Control Panel
Welcome **admin**

Home Admin
Home CMS
CAMPUS TOUR
Home Feedback
Home Feedback Form
Home Feedback

Job Application Management > Details Job Application

Name of the Company/Institute: WPNJ Technologies
Name of Evaluating Person: Sumanranjan Das
Designation/Location: Campus Manager
Telephone No (With STD Code):
Mobile No: 9876232112
Fax No: 0
Email Id: sularanjan@wpnj.com
Address: 201 Block, Gariahat, Sector-V, Kolkata-71
PIN No: 700001

ABOUT US / PG STUDENTS ALREADY EMPLOYED

Ability to contribute to the goal of the organization: VERY GOOD
Technical knowledge/skill: GOOD
Ability to manage/leadership: SATISFACTORY
Relationship with seniors/peers/subordinates: SATISFACTORY
Involvement in social: GOOD

<http://www.wpnj.ac.in/feedback/feedback.php?id=15> 1/1