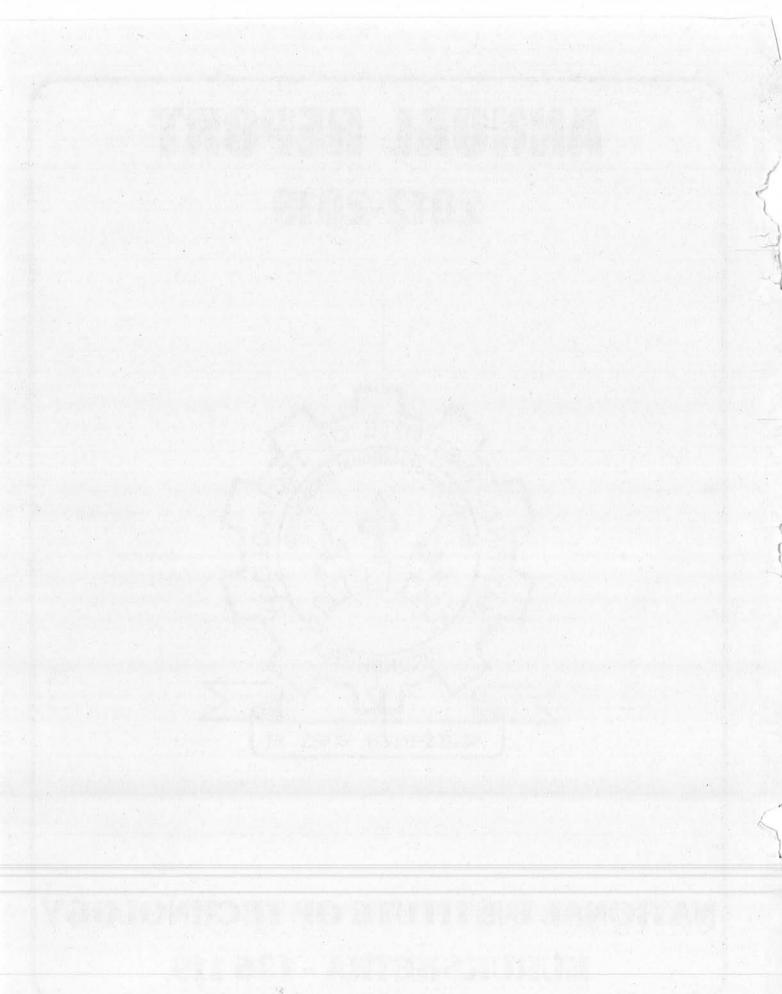
ANNUAL REPORT 2012-2013



NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA - 136 119



CONTENTS

Sr. No.	Partic	ılars	Page No.
FOREV	VORD		
1.0	INTRO	DUCTION	1-2
	1.1	Mission And Vision	
	1.2	Objectives	
	1.3	Education System	
	1.4	New Initiatives	
2.0	AN OV	'ERVIEW	3-14
	2.1	Historical Background	
	2.2	Location	
	2.3	Campus	W 2
	2.4	Administration	
	2.5	Academic Programmes	
	2.6	Courses Offered	
	2.7	Admission Procedure	
	2.8	Students	
	2.9	Examination & Evaluation	
	2.10	Placement	
	2.11	Games and Sports	
	2.12	Staff Position	
	2.13	Notable Achievements	
3.0	THES	STAFF	15-26
	3.1	Academic Staff (Teaching)	
	3.2	Non-Academic Staff (Non-Teaching)	
	3.3	Training Status	
	3.4	Placement of Staff for Academic Excellence	

4.0		TEACHING PROGRAMMES	27-42
	4.1	Courses Offered	
	4.2	Course-wise Enrolment with sex and caste breakup	
	4.3	Admission Statistics-UG/PG Programmes Course-wise	
	4.4	Students' Total Strength	
	4.5	The Hostels	
	4.6	Scholarships/Assistance-ship	
	4.7	Games and Sports	
	4.8	Awards	
	4.9	Examination Details	
	4.10	Training and Placement	
5.0	RESE	CARCH AND DEVELOPMENT ACTIVITIES	43-46
	5.1	Ph.D Programmes-Existing and Proposed	
	5.2	Ph.Ds Awarded and In Progress	
	5.3	Institute-Industry Collaboration	
	5.4	Innovations and Technology Transfer	
	5.5	Technical Education Quality Improvement Programme (T	EQIP-II)
6.0	THE	COUNCIL, BOG AND OTHER COMMITTEES	47-49
,	6.1	Institute's Council	
	6.2	Board of Governors	
	6.3	Finance Committee	
	6.4	Building and Works Committee	
	6.5	Other Committees	
7.0	CONC	CESSIONS FOR SCs, STs, OBCs And HANDICAPPED STUD	ENTS 50
	7.1	Concessions Provided for Students	
	7.2	Concessions Provided for Staff	
8.0	FINAN	NCIAL STATUS	51-52
	8.1	Analysis of Plan and Non-Plan Grants	
	8.2	Source of Funds	
	8.3	Expenditure Position for last three years	

9.0	CENTR	RAL FACILITIES AND SERVICES	53-65
	9.1	Computer Services Centre	
	9.2	Workshops	
	9.3	Library	
	9.4	Laboratories	
	9.5	Hospital, Post Office, Shopping Centre	*4
	9.6	Physical Facilities	
	9.7	Games & Sports Facilities	
	9.8	Other Facilities like Hostels, Messes, Staff Quarters, Admin	istration etc
10.0	NOTAE	BLE ACHIEVEMENTS	66-73
	10.1	Past Achievements	
	10.2	Achievements during the year 2011-12	
11.0	ANNE	XURES	74-105
	11.1	Institute's Council	endan dia
	11.2	Board of Governors	
	11.3	Finance, Building & Works and other Committees	
	11.4	Research Projects and Consultation Jobs	
	11.5	Faculty Position	
	11.6	Administrative and other Staff	
	11.7	Staff Members deputed/Sponsored for Training, Learning	
	11.8	Courses and Admissions	
	11.9	Scholarships and Awards	
	11.10	Training and Placement Statistics	
	11.11	Finance and Accounts Details	
12.0		ARCH WORK	106-130
	12.1	On going research projects	
	12.2	Achievements during the year	
	12.3	Publications, patents etc.	
	12.4	R & D Income & Expenditure	

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FOREWORD

I am indeed very happy to present Annual Report of National Institute of Technology, Kurukshetra (Haryana) for year 2012-13. The performance during the year under report has been elucidated in this Report alongwith progress and achievements made in various directions.

As one scans through the pages of this report, one can easily be convinced that Institute has done commendable work during the year. Enrolment across various disciplines is increased substantially.

National Institute of Technology, Kurukshetra is one of the thirty National Institutes of Technology in the country. Earlier, Institute was known as Regional Engineering College, Kurukshetra and was established in 1963 as a joint and cooperative enterprise of Govt. of India and State Government of Haryana to serve State of Haryana and rest of the country for imparting technical training to youth and for fostering national integration. Govt. of India has taken over full administrative and financial control of the Institute w.e.f. 14.5.2003.

Institute offers four year B.Tech. under-graduate programmes in Civil, Electrical, Electronics & Communication, Mechanical, Computer Engineering, Information Technology and Industrial Engineering & Management with sanctioned intake of 832 seats. It also offers specialized postgraduate (M.Tech.) programmes in the fields of Civil, Electrical, Electronics & Communication, Mechanical, Computer Engineering, Instrumentation and Nano-technology. Facilities are also available in the Institute for research leading to Degree of Doctor of Philosophy in Civil, Electrical, Electronics & Communication, Mechanical, Computer, Physics, Chemistry, Mathematics as well as Humanities and Social Sciences. In order to generate income from own resources, two new self financing courses i.e. MBA & MCA have also been introduced with an intake of 92 seats in each course. Total students' strength of Institute is 4656. The Institute has 128 faculty in various disciplines and 218 non-faculty staff is available to support faculty.

There are sustained research and development activities in the Institute throughout the year. Several faculty members of the Institute are actively involved in research activities during the year under report. Some research projects funded by Central and State Governments have started showing results. Faculty members also participated in various conferences/seminars/schools. Fifteen research projects are in progress in Civil Engineering, Computer Engineering, Electrical Engineering, Mechanical Engineering, Physics and Chemistry. Institute completed consultancy assignments valued at Rs. 312.45 lacs referred to it by various Governments and Industrial Organizations during the year under report.

A special initiation has been taken by the Institute for the development of research activities in the Institute to boost the status of Institute equivalent to IIT. Faculty members are academically very active and organized a large number of academic events.

Institute has been selected as a Lead Institution in Haryana for Technical Education Quality Improvement Programme (TEQIP) funded by World Bank to enhance

efficiency and dynamism in Technical Education. It was launched by MHRD as a Rs. 1550 crores programme during 10th plan. Further, to continue the development activities initiated through TEQIP-I, a sequel project is planned as TEQIP-II with a focus to scale-up PG education and demand driven R&D and innovation. The project duration is four years (2010-2014).

Institute is trying to improve Industry-Institute Interaction and seeks active collaboration with Industries in various academic activities. It has already established interaction with many industries of Haryana and nearby regions. Industries are invited to join hands with Institute so as to improve quality of engineering education as well as training and research. Industry receives benefit in the form of intellectual resources, equipments and other facilities of the Institute. Institute has also entered into an agreement of cooperation with Tata Consultancy Services Ltd., Altair Engineering and University of Toledeo for enhancing efficiency in academic curriculum and providing software training to the students.

Institute Library is well equipped with the latest books, National and International journals. A total number of 143764 books are available in the Library besides 4500+journals. Institute Library is also a core member of Indian National Digital Library in Engineering Science and Technology (INDEST) Consortium set up by MHRD to access online resources.

Institute also has a Health Centre for staff and students and medical aid is provided within the available resources. To facilitate all financial transactions, a fully computerized branch of State Bank of India functions in the Institute premises. A Post Office as well as a Shopping Centre are also available in the Institute premises.

A Center of Computing and Networking (CCN) was started in 1997 as a project funded by MHRD. It is a central computing facility for Institute connecting all buildings and departments through Local Area Network with 4000 nodes spread over the campus on OFC backbone. The main Workshop comprising of Machine Shop, Fitting Shop, Electrical Shop, Welding Shop, Pattern Making Shop, Foundry Shop, Production Technology Lab. is fully equipped with latest machines. All the Departments are equipped with laboratories for practical training to the students and researchers.

Government of India, Ministry of Human Resource Development released Rs. 33.00 crores and Rs. 38.00 crores under Plan and Non-Plan scheme respectively during financial year 2012-13. A sum of Rs. 40.99 crores and Rs. 49.98 crores has been spent under various heads of recurring and non-recurring expenditure during financial year under report. Institute made progress in implementing various departmental activities. Number of constructional works under Plan Scheme has been completed during the year under report.

I am aware that achievements of the Institute during the year are quite commendable yet it has to go far ahead. Institute has prepared a prospective plan and twenty year road map for future development of the Institute.

INTRODUCTION

1.1 VISION AND MISSION

- To be a role-model in technical education and research, responsive to global challenges
- To impart quality technical education that develops innovative professionals and entrepreneurs and to undertake research that generates cutting-edge technologies and futuristic knowledge, focusing on the socio-economic needs

1.2 OBJECTIVES

- To offer academic programs in different areas of engineering at Under-graduate, Post-graduate and Doctoral levels
- To impart instructions and training to empower students to meet the technological needs and socio-economic challenges and create facility and environment for the overall personality development of students
- To promote quality research and undertake research projects keeping in view of the present day to day needs of technology
- To interact with industry and other relevant sectors with a view to promote mutual interaction
- To provide consultancy and testing facilities to various government, semi-government and private organizations with a view to generate additional resources and keep in touch with latest demands of the profession
- To interact with, and provide necessary help to other engineering institutions from the state in particular
- To act as a source for fostering national integration, the students intake being from all over the country providing this opportunity.
- To inculcate moral values

1.3 EDUCATION SYSTEM

The Education System of the Institute is divided into academic sessions comprising two semesters – Even and Odd semester. The Institute offers courses of study leading to B.Tech, M.Tech., MCA, MBA and Doctor of Philosophy degrees. The medium of instructions and examination is English. The Institute is of national importance and governed by National Institute of Technology Act of Govt. of India. The Institute is independent in every respect relating to academic work such as Examinations, evaluation of the answer sheets, declaration of results 9and conferring of degrees. The courses include study at the Institute, visits to work sites and practical training at Institute Workshop and approved Engineering works. There is a semester examination at the end

of each semester. The Institute follows Credit Based System of evaluation.

1.4 NEW INITIATIVES

- 1. In response to MHRD letter no. F.33-1/2011-TS-III dated 11th July 2011 regarding provision for adequate medical facilities, the upgradation of existing Health Centre of the Institute with extension of its infrastructure has been completed.
- 2. To continue the development activities initiated through TEQIP-I, a sequel project is planned as TEQIP-II with a focus to scale-up PG education and demand driven R&D and innovation. The project duration is four years (2010-2014).
- 3. The construction of a new Mega Boys' Hostel of 1000 students capacity has been completed during the year 2012-13.
- 4. For improvement at P.G. and research levels, four new schools are approved in the Finance Committee meeting as well as BOG meeting held on 12.3.2012 & 13.3.2012 respectively. Two schools, i.e. School of VLSI Design and Embedded Systems in Department of Electronics & Communication and School of Renewable Energy and Efficiency in Department of Electrical Engineering have been started in July 2012 in the Institute. Other two schools, i.e. School of Material Science and Nano-technology in Physics Deptt. and School of Bio-medical Engineering in Electrical Engineering Department have been started in May 2013 in the Institute.
- 5. The construction of new Administrative Block has been completed. The Golden Jubilee year of the Institute was celebrated in the Institute from 15th September 2012 to 14th September 2013.

2.0 AN OVERVIEW

2.1 HISTORICAL BACKGROUND

The Central Government in consultation with the Planning Commission had sanctioned a scheme of establishment of Regional Engineering Colleges under Third Five Year Plan in order to expand the facilities for technical education in the country during the plan period. The Regional Engineering College (REC), Kurukshetra was one of the seventeen colleges in the country.

Vide letter No. 16-4/60-T.5, dated 26th February, 1962 from Secretary to the Government of India, Ministry of Scientific Research and Cultural Affairs, New Delhi, it was established in the year 1963 as a joint and cooperative enterprise of Govt. of India and State Government of Haryana to serve the State of Haryana and rest of the country for imparting technical training to youth and for fostering national integration. Its objective was to provide instructions and research facilities in various disciplines of engineering and technology and the advancement of learning and dissemination of knowledge in each such discipline.

The first admission to five year B.Sc. (Engg.) degree course was made by the Institute in July, 1963 at Punjab Engineering College, Chandigarh and Thapar Institute of Engineering & Technology, Patiala, with an intake of 60 students at each place. This was repeated in July, 1964 also. The Institute started functioning on its present campus at Kurukshetra from year 1965-66. The REC Kurukshetra was registered under Societies Registration Act XXI of 1860 on 25th April, 1964. The students were admitted to the first year of five year integrated B.Sc.(Engg.) degree courses in Civil, Electrical and Mechanical Engineering. In 1967-68, M.Sc. (Engg.) degree courses in Civil, Electrical and Mechanical Engineering were introduced. In 1971-72, a degree course in Electronics & Communication Engineering and a Post-graduate Diploma Course in Scientific Instrumentation were started. In 1976-77, part time M.Sc. (Engg.) degree courses in Electronics & Communication Engineering and Instrumentation Engineering were also started. The first registration for the degree of Doctor of Philosophy in the Faculty of Engineering and Technology was done in July, 1967.

The Institute switched over to four year B.Tech.Degree course with effect from 1985-86. The Course has since been designated as Bachelor of Technology (B.Tech.). The M. Sc.(Engg.) degree in various disciplines has since been renamed as M.Tech. degree with effect from the session 1983-84. In 1987-88, B.Tech. degree course in Computer Engineering and M.Tech. degree Course in Electronics Engineering were started. In 1989-90, M.Tech. degree course in Water Resources

Engineering was started in the Department of Civil Engineering. A special two semesters M.Tech. degree course in Instrumentation for candidates holding P.G. Diploma in Scientific Instrumentation was introduced from January, 1988.

Three year Special Degree Course, 'Bachelor of Engineering' for in-service diploma holders was introduced from the session 1982-83 in Civil, Electrical and Mechanical Engineering. This course was fully funded by Govt. of Haryana. The Govt. of Haryana has discontinued the course w.e.f. 2001-02.

During the period 1963 to 2001, there have been considerable achievements in the academic as well as development areas. The Govt. of India, Ministry of Human Resource Development, New Delhi has upgraded REC Kurukshetra to National Institute of Technology, Kurukshetra with the status of Deemed University w.e.f. 26.6.2002 vide letter No. F.9-10/2002-U.3 dated 26.6.2002. The NIT Kurukshetra was also registered under the Societies Registration Act XXI of 1860 on 9th April, 2003. The new Memorandum of Association (MOA) was formulated under the guidance of the Ministry of Human Resource Development (MHRD).

As per establishment of REC, Kurukshetra, the entire Non-plan expenditure on Undergraduate Courses was borne by the Central and State Government on 50:50 basis. This practice remained intact upto 31.3.2003. Consequent upon conversion of REC to NIT, the Government of India had taken over full administrative and financial control and the Central Government started bearing the expenditure on Undergraduate Courses on 100% basis. However, it is also mentioned here that since the inception of the Institute the expenditure on PG Courses was borne by the Central Government.

Further, in pursuance to the Notification published in Gazette of India Extraordinary Part-II, Section-3, Sub-Section(ii), dated 10th August 2007 and the MHRD letter No. F-20-22/2004-TS-III, dated 24/27 August 2007, the National Institute of Technology Act, 2007 (29 of 2007) has been enforced with effect from 15th August 2007 and the NIT Kurukshetra has become the Central Institution under this Act.

The Director, Government of India, Ministry of Human Resouce Development, Deptt. of Higher Education vide letter no. F.22-5/2006-TS.III (Pt.) dated 11.5.2009 forwarded a copy of notification published in Gazette of India Extraordinary Part-, Section-3, Sub-Section- (i) dated 23rd April, 2009 regarding the first Statutes under NIT Act, 2007 for information and necessary action.

2.2 LOCATION

Kurukshetra, steeped in history and mythology, is a place of great spiritual significance where Lord Krishna delivered the divine message of "Shrimad Bhagwad Gita". The place from where knowledge spread far and wide was chosen as his capital by King Harshwardhana. It is one of the premier centres of pilgrimage attracting devotees in a steady stream all-round the year. Kurukshetra is a railway junction on Delhi-Karnal-Ambala section of Northern Railway. It is about 160 Km from Delhi. The Institute campus is about 10 Km from Pipli, a well known road junction on NH-I.

2.3 CAMPUS

The campus extends over an area of 300 acres imaginatively laid down on a picturesque landscape. It presents a spectacle of harmony in architecture and natural beauty. The campus has been organised into three functional sectors:

- (i) Hostels for the students
- (ii) Academic Area
- (iii) Residential sector for the staff

Hostels for students are located towards Eastern side of the campus in the form of cluster. Multi-storey buildings of hostels provide comfortable accommodation and pleasing environment to students. Residential sector for staff is located towards Western side. Academic area is located between the two residential sectors in order to reduce walking distance. A full fledged health centre manned by qualified doctors, a Post Office and a branch of the State Bank of India are located at convenient points on the Campus.

2.4 ADMINISTRATION

Director is Principal Academic and Executive Officer of the Institute. He is responsible for the proper administration of the Institute, imparting instructions and maintenance of discipline therein. He is assisted in his day- to-day work by Deans, Heads of the different Departments, Professor-in-Charges, Registrar and other Officers and various committees of the Institute.

2.5 ACADEMIC PROGRAMMES

The following academic programme was observed during the academic session 2012-13:-

	ODD SEI	
1.	Registration	Without late fee: 18th July to 25th July 2012 With late fee of Rs. 500/-: 26th July to 31st July 2012 After 1st August registration shall be allowed after the approval of Dean (Academic)/Director.
2.	Teaching commences for all classes	23.7.2012
3.	Term Exams-I	3.9.2012 to 5.9.2012
4.	Term Exams-II	17.10.2012 to 19.10.2012
5.	Mid-semester Vacation	22.10.2012 to 26.10.2012
6.	Term Exams-III	May be arranged by the teachers as per their convenience
7.	Teaching closes	7.11.2012
8.	End semester Exams. begin	19.11.2012
9.	Winter Vacation	10.12.2012 to 21.12.2012
10	Declaration of Result	Within first three weeks of the beginning of the next semester

EVEN SEWESTER

	EVEN SEN	IESTER
1.	Registration (for all except B.Tech. Ist year)	With late fee of Rs. 500/-: 27 th Dec. to 3 rd Jan. 2013 After 3 rd Jan. registration shall be allowed after
^		the approval of the Dean (Academic)/Director)
2.	Teaching commences for all (except B.Tech. Ist year)	24.12.2012
3,	Registration (B.Tech. Ist year)	Without late fee: 4 th Jan. to 12 th Jan. 2013 With late fee of Rs. 500/-: 13 th Jan. to 19 th Jan. 2013 After 19 th Jan. registration shall be allowed after the approval of the Dean (Academic)/Director)
4.	Teaching commences (for B.Tech. Ist year)	7.1.2013
5.	Techspardha	31.1.2013 to 3.2.2013
6.	Term Exams-I	2.2.2013 to 4.2.2013
7.	Confluence-2013	21.2.2013 to 24.2.2013
8.	Athletic Meet	8.3.2013 to 10.3.2013
9.	Mid-semester Vacation	25.3.2013 to 29.3.2013
10.	Term Exams-II	1.4.2013 to 3.4.2013
11.	Term Exams-III	May be arranged by the teachers as per their convenience
12.	Teaching closes (for all except B.Tech. Ist year)	30.4.2013
13.	End semester Exams. (for all except B.Tech, Ist year)	10.5.2013
14.	Summer vacation	3.6.2013 to 12.7.2013
15.	Practical Training begins	10.6.2013
16.	Declaration of Result	Result declaration shall start by the end of June 2013

2.6 COURSES OFFERED

The Institute offers following Graduate and Post Graduate Degree Courses of study: -

Sr. No.	Name of the Course	Graduate/ Post Graduate	Duration of the Course	Total Intake
1.	M.Tech.	Post Graduate	2 years	418
2.	MBA	-do-	2 years	92
3.	MCA	-do-	3 years	92
4.	B.Tech.	Graduate	4 years	832

Facilities are also available in the Institute for research leading to Degree of Doctor of Philosophy in various disciplines of Engineering and Technology of NIT, Kurukshetra.

2.7 ADMISSION PROCEDURE

In the Undergraduate courses – B.Tech. Degree Courses, admissions are made on the basis of All India Engineering Entrance Examination (AIEEE) conducted by Central Board of Secondary Education (CBSE) on behalf of the Govt. of India.

Admission to M. Tech. degree courses are made on the basis of candidate's score in the GATE examination. Seats are first filled by admitting GATE qualified candidates and then by industry sponsored candidates. Remaining vacant seats are offered to Non-GATE candidates with a minimum of 60 percent marks (55 percent for SC candidates) in their qualifying examination. While GATE candidates are eligible for a scholarship of Rs. 8000/- per month, non-GATE candidates are not given any scholarship.

Admission for the course of MBA is done through stringent screening process using CAT and JMAT scores followed by group discussion and personal interview. Admission for MCA course is done on the basis of written test as well as interview.

2.8 STUDENTS

There were 4656 students in all Undergraduate and Postgraduate courses in the Institute as on 31.3.2013.

2.9 EXAMINATION & EVALUATION

EXAMINATION

As per scheme of the examination, Institute is organizing examination in two parts – Theory and Practical. The medium of examination is English. The students are required to fill up their Examination Forms along with examination fees. Examinations are held at the end of every semester.

EVALUATION

The Evaluation System for 4-year (8 semesters) B.Tech. Degree Course at this Institute for the batches prior to 2003 is being followed in terms of marks as it was followed by Kurukshetra University, Kurukshetra to which this Institute was affiliated before switching over from REC to NIT (Deemed University) status. In all 8 semesters, marks were awarded out of 5600 scaled marks. The same is as under:-

Marks Obtained	Division/Result
70% and above (subject to passing all eight semesters in 4 years duration).	1st Division with Honours
60% and above	1st Division
50% and above but less than 60%	2 nd Division
40% and above but less than 50%	Pass Class

Further, from the batch admitted in year 2003, Institute has switched over to Credit Based System of evaluation for all degree programmes which is as under:-

A letter grade in each course taken during the semester is being awarded on the basis of performance of a student in class work, sessionals and end semester exams held at the end of each Semester. Letter grade has a grade point for the purpose of computing the Cumulative Grade Point Average (CGPA) i.e. CGPA = C1xG1/Ce (C1

indicates credits assigned to the course, G1 indicates grade point equivalent to the letter grade obtained and Ce indicates total number of credits). The letter grades and their grade point value are given below:-

Letter Grade	Performance	Grade Point
A+	Excellent	10
A	Very Good	09
В	Good	08
C	Average	06
D	Pass	04
E	Required to Improve	02
F	Repeat	00

The Percentage of marks of a student can be calculated by multiplying the CGPA of a student by 9.00. The above system is also being used for other Graduate and Post Graduate Courses.

2.10 PLACEMENT

Many opportunities are open to engineering graduates in Government Departments, Armed Forces, Engineering and Allied Industries, Building construction and Engineering consultancy organizations. For the benefit and convenience of B.Tech. final year students, campus interviews are arranged by the Department of Training and Placement of the Institute. Many reputed concerns including Govt. Departments, Public Undertakings, Armed Forces and Private companies make on campus selections. The number of students getting offers of good jobs is steadily increasing, particularly during the last few years.

RECRUITMENT VISITS

Discipline	No. of companies which conducted interviews	No. of jobs*	
Computer Engg.	65	77	
Information Technology	65	58	
Electronics & Comm. Engg.	45	122	
Mechanical Engg.	64	119	
Electrical Engg.	51	98	
Civil Engg.	39	86	
Industrial Engg. & Mgt.	33	18	
MCA	25	69	
M.Tech.	27	100	

Note: *Some students were selected by more than one company.

2.11 GAMES AND SPORTS

The Engineering Curriculum demands dedicated and sustained efforts from every student. As a result, students remain busy with studies throughout the year. Nevertheless, realizing the importance of sports and games in the overall development of the students, sport facilities are provided to students to the maximum possible extent. The Institute lays adequate emphasis on student participation in various outdoor and indoor games and track and field Sports. All sports and games activities are directed by a Sports Committee comprising students, faculty members and Sports personnel. The Committee is responsible for laying down the policies and programmes for sports and games.

A senior faculty member designated as President (Sports) co-ordinates the activities. Students who distinguish themselves by their outstanding performance in sports are eligible for a number of awards including 'Best Sportsman of the year' award and Institute colours. On recommendations of the Sports Committee, a cash prize of Rs. 500/- and a trophy is awarded to the 'Best Sportsman of the year'.

2.12 STAFF POSITION AS ON 31.3.2013

SUMMARY (TEACHING STAFF)

Sr.No	Name of the Post	Sanctioned	In Position	Vacant
1.	Director	01	01	-
2.	Professors	43	41	02
3.	Associate Professors	85	41	44
4.	Assistant Professors	170	46	124
	Total	298*	128	170

^{*}Based on students' strength for the year 2010-11.

SUMMARY (TEACHING SUPPORTING STAFF)

Sr.No.	Name of the Post	Sanctioned	In Position	Vacant
1.	Supervisor	26	10	16
2.	Sr.Draftsman	03	-	03
3.	Asstt.Draftsman	01	01	
4.	Tech.Grade"A"	23	10	13
5.	Tech.Grade "B"	19	14	05
6.	Tracer	04	-	04
7.	Ferro-Machine Operator	02		02

8.	Lab. Assistant	02	02	
9.	Gasman	01	Dictaria Louis	01
10.	Lab. Attendant	33	20	13
11.	System Attendant	03	01	02
12.	Gas Plant Helper	01	BUTCH HAVE	01
	Total	118	58	60

SUMMARY (NON-TEACHING STAFF)

1.	Administrative/Ministerial Staff	208	94	114
2.	Library Staff	20	09	11
3	Medical Staff	07	05	02
4.	Maintenance Staff	67	25	42
5.	Workcharged-made- regular staff	16	16	
4	Total	318	149	169

SUMMARY (OVERALL)

SR. NO.	STAFF	SANCTIONED	IN POSITION	VACANT
1.	Teaching Staff	298	128	170
2.	Officer Cadre	30	11	19
3.	Teaching Supporing Staff	118	58	60
4.	Non-Teaching Staff	318	149	169
	Grand Total	764	346	418

2.13 NOTABLE ACHIEVEMENTS

- 1. The Institute has been conferred the status of Deemed University by the Government of India w.e.f. 26.6.2002. Consequent upon upgradation of REC Kurukshetra to National Institute of Technology, Kurukshetra with Deemed University status w.e.f. 26.6.2002, the Institute is independent in every respect relating to academic work such as Exams, Evaluation of Answer-sheets, declaration of results and other allied matters.
- 2. The Central Government has taken over full Administrative and Financial control of this Institute w.e.f. 14.5.2003. The Plan and

Non-Plan expenditures of this Institute are being borne entirely by the Central Government from financial year 2003-04.

- 3. The National Board of Accreditation (NBA) has accredited our four Undergraduate Degree Level Programmes in Engineering and Technology i.e. Electronics & Communication Engineering, Mechanical Engineering, Electrical Engineering and Civil Engineering for five years w.e.f. 19.3.2004 on the basis of standards maintained by the Institute for the Academic Excellence.
- 4. Institute has signed Memorandum of Understanding with the Govt. of India, Department of Secondary & Higher Education, Ministry of Human Resource Development, New Delhi on 1.12.2003 for the years 2003-08, consenting on the commitments and targets formulated by the Ministry for the said period.
- 5. The Technical Education Quality Improvement Programme (TEQIP), funded by World Bank, aims to upscale the on going initiatives of GOI to enhance efficiency and dynamism in technical education. It was launched by MHRD as a Rs. 1550 crore programme during the 10th Plan. Haryana is one of the six states which was selected to participate in the first cycle of the first phase of the programme, based on their commitment and preparedness for the project. The agreements were signed in February 2003- between GOI, six participating states and the World Bank.

Following are the Objectives of Technical Education Quality Improvement Programme:

Improving undergraduate teaching learning process
Increasing facilities for undergraduate education
Increasing efficiency and effectiveness of the education
process through better academic discipline and improved
governance
Improving post-graduate and research programmes
Improving Sponsored Research and Consultancy activities

Starting new PG programmes

6. The first year of 20-year Road Map- 2006 was a bold initiative by way of increased intake and new courses. The Ministry of Human Resources Development approved some new courses for PG and UG Programme from session 2006-07 in addition to enhancing the existing intake of some UG courses. Further, responding to an increasing demand for Management Graduates in the country and keeping in line with its stated goal of regularly adding new courses, a self

sustaining 2 years Course - Master of Business Administration (MBA) was introduced in the Institute from the session 2006-07 with an intake of 60 students.

- 7. Responding to an increasing demand for Computer professionals in the Country and keeping in line with its stated goal of regularly adding new courses as a part of its 20-years growth plan, NIT Kurukshetra started Master Computer Applications (MCA) with effect from session 2007-08. With the introduction of this programme, Institute extended its long years of expertise into the field of Computer Applications, thus fulfilling its commitment to the IT Industries world wide and the society at large of developing Computer professionals with varied competencies and ethical values. This programme derives strength from expert faculty, and well established administrative, consultancy, training and placement infrastructure of NIT Kurukshetra.
- 8. National Institute of Technology Act, 2007 was enacted by the Parliament of India on 5th June, 2007 and became effective on 15th August, 2007 i.e. Independence Day. This Act declares NIT, Kurukshetra Institution of National Importance.
- 9. As per the T-School Survey conducted by Data Quest IDC-NASSCOM, the Institute has been ranked at 18 in the Country.
- An institute delegation comprising of some faculty members and officers of the institute visited University of Sunderland, UK, Binghamton University, New York and University of Toledo, USA from 19.10.2008 to 27.10.2008. During the visit of the delegation of the above foreign universities, various areas of academic cooperation were identified. The scope of establishing academic links between NIT, Kurukshetra with the above universities was also discussed. The memorandum of understanding (MoU) was signed with the University of Toledo, College of Engineering, Toledo, USA. Further, signing of MoU with the Binghamton University, New York and the University of Sunderland, UK is under process.
- 11. The Director, Government of India, Ministry of Human Resource Development, Deptt. of Higher Education vide letter no. F.22-5/2006-TS.III (Pt.) dated 11.5.2009 forwarded a copy of notification published in Gazette of India Extraordinary Part, Section-3, Sub-Section-(i) dated 23rd April, 2009 regarding the first Statutes under NIT Act, 2007 for information and necessary action.
- 12. A two days colloquium on 'Future Training and Placement Scenario' was organized in the Institute for providing a platform for deliberations among distinguished fraternities to explore possibilities of

further enhancing placement scenario of the Institute and collaborative research projects with industries in emerging areas of science and technology. The colloquium was attended by distinguished dignitaries from IITs, Industries & other Academic Institutes of repute, in addition to Alumni & Students of the institute.

3.0 STAFF

3.1 Academic Staff (Teaching)

The Institute has highly qualified, dedicated and well trained faculty of National and International repute of proven capabilities. More than 75% of faculty possesses Ph.D degree in various disciplines.

Director (Head of the Institution)

Prof. Anand Mohan

Dean (Planning & Development)

Dr. V.K. Arora

Dean (Academic)

Dr. A.K. Gupta

Dean (Estate)

Dr. K.K. Singh

Dean (Faculty Welfare)

Dr. V.K.Sehgal

Dean (Students' Welfare)

Dr. S.K.Sharma

Dean (Research & Consultancy)

Dr. A.Swarup

Professor Incharge Training, Placement & Students Welfare

Dr. H.K. Sharma

ADMINISTRATIVE OFFICERS

Registrar Incharge

Sh. Gyana Ranjan Samantaray

Workshop Supdt.

Dr. Hari Singh (Addl. Charge)

Senior Medical Officer

Dr. (Ms.) Minati Raut

Medical Officers

Dr. Sumit Kumar

Dr. Gaurav Kaushal

Librarian

Dr. Krishan Gopal

Deputy Registrar (GA & Legal)

Sh. Gyana Ranjan Samantaray

Deputy Registrar (Academic)

Vacant

Deputy Registrar (Accounts)

Sh. S.K. Sharma

Stores Officer

Sh. J.L. Moudgil

Foreman

Sh. R.L. Nafaria

OTHERS

Chief Warden (Boys)

Dr. Rajinder Kumar

Chief Warden (Girls)

Dr. (Mrs.) Minati Baral

Deputy Chief Wardens

Sh. V.P. Singh & Dr. D.P.Singh

Controller of Examinations

Dr. S.M.Gupta

Chief Vigilance Officer

Dr. Subodh Ranjan

President Sports

Dr. D.K. Soni

President Clubs

Dr. S.N. Sachdeva

Professor Incharge (Public Relations)

Dr. P.J. Philip

Public Information Officer Under RTI Act-2005

Sh. Gyana Ranjan Samantaray, DR (GA&L)

Ist Appellate Authority

Dr. S.K. Sharma, Prof., Mech.Engg.Deptt.

DEPARTMENTS

DEPARTMENT OF CIVIL ENGINEERING

Head of Department

Dr. D.K.	Soni	Ph.D
Dr. D.K.	Soni	

Professors

Dr. V.K. Arora	Ph.D.
Dr. V.K. Sehgal	Ph.D.
Dr. R.C. Bhattacharjee	Ph.D.
Dr. N.K. Gupta	Ph.D.
Dr. Baldev Setia	Ph.D.
Dr. Diwan Singh	Ph.D.
Dr. S.K. Madan	Ph.D.
Dr. H.K. Sharma	Ph.D.
Dr. S.N. Sachdeva	Ph.D.
Dr. K.K. Singh	Ph.D.
Dr. Subodh Ranjan	Ph.D.
Dr. Anupam Mittal	Ph.D.
Dr. S.M. Gupta	Ph.D.
Dr. Arun Goel	Ph.D.
Dr. S.K. Patidar	Ph.D.
Dr. Ashwani Jain	Ph.D.

Associate Professors

Dr. Mahesh Pal	Ph.D.
Dr. Surender Deswal	Ph.D.
Dr. V.P. Singh	Ph.D.
Dr. Saraswati Setia	Ph.D.
Dr. Paratibha Aggarwal	Ph.D.
Dr. Parveen Aggarwal	Ph.D.

Assistant Professors

Dr. N.K. Tiwari	 Ph.D.
Dr. Babita Saini	Ph.D.
Dr. Yogesh Aggarwal	Ph.D.

DOMESTICS PROPERTY AND

DEPARTMENT OF COMPUTER ENGINEERING & INFORMATION TECHNOLOGY

Head of Department

Dr. J.K. Chhabra	Ph.D
------------------	------

Associate Professors

Dr. A.K. Singh	Ph.D.
Dr. Mayank Dave	Ph.D.
Dr. S.K. Jain	Ph.D.
Sh. R.K. Aggarwal	M.Tech.
Sh R M Sharma	M.Tech.

Assistant Professors

Ms. Priyanka Ahlawat	M.Tech.
Sh. Mohit Dua	B.Tech.
Ms. Ritu Garg	M.Tech.
Sh. Virender Ranga	M.Tech.

DEPARTMENT OF ELECTRICAL ENGINEERING

Head of Department

Dr. (Ms.) Lil	lie Dewan	Ph.D.
---------------	-----------	-------

Professors

Dr. A. Swarup	Ph.D.
Dr. K.S.Sandhu	Ph.D.
Dr. R.S. Bhatia	Ph.D.
Dr. G.L. Pahuja	Ph.D.
Dr.(Ms.) Ratna Dahiya	Ph.D.
Dr. L.M. Saini	Ph.D.

Associate Professors

Dr. Ashwani Kumar	Ph.D.
Dr. (Ms.) Jyoti Ohri	Ph.D.
Dr. J.S. Lather	Ph.D.
Sh. C.P. Bansal	B.Sc. (Engg.)
Ms. Sunita Chauhan	M.Tech.
Ms Runanshi Batra	M.Tech.

Ms. Monika Mittal M.Tech.
Sh. Sathans M.Tech.
Sh. Yash Pal M.Tech.

Assistant Professors

Sh. K.K. Sharma M.Tech.
Dr. Saurabh Chanana Ph.D.
Ms.Shelly Vadhera M.Tech.
Dr. Dheeraj Joshi Ph.D.
Sh. A.K. Dahiya M.Tech.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

(S)

Head of Department

Dr. O.P. Sahu Ph.D.

Professors

Dr. A.K. Gupta Ph.D. Dr. Brahmjit singh Ph.D. Dr. R.K. Sharma Ph.D.

Associate Professors

Sh. Umesh Ghanekar M.Tech. Dr. Rajoo Pandey Ph.D.

Assistant Professors

M.Tech. Sh. Mohd. Arif M.Tech. Sh. Neeraj Pratap Singh Ms. Vrinda Gupta M.Tech. M.Tech. Sh. Vikas Mittal B.Tech. Sh. Karan Sharma Sh. Sandeep Santosh M.Tech. Sh. Arvind Sharma M.Tech. M.Tech. Sh. Rajender Kumar M.Tech. Ms. Poonam Jindal

DEPARTMENT OF MECHANICAL ENGINEERING & INDUSTRIAL ENGINEERING AND MANAGEMENT

Head of Department
Dr. Sudhir Kumar Ph.D.

Professors

Dr. S.K. Sharma	Ph.D.
Dr. S.S. Rattan	Ph.D.
Dr. Dixit Garg	Ph.D.
Dr. Surjit Angra	Ph.D.
Dr. Dinesh Khanduja	Ph.D.
Dr. P.C. Tiwari	Ph.D.
Dr. Hari Singh	Ph.D.

Associate Professors

Sh. V.P. Singh	M.Tech.
Dr. V.K. Bajpai	Ph.D.
Dr. Gian Bhushan	Ph.D.
Dr. Ajai Jain	Ph.D.
Dr. Pankaj Chandna	Ph.D.
Dr. S.C. Gupta	Ph.D.
Sh. Sandeep Singhal	M.Tech.
Sh. Jaideep Gupta	M.Tech.
Dr. Vinod Kumar	Ph.D.
Dr.(Ms.) Meenu	Ph.D.

Assistant Professors

Sh. Rajiv Verma	M.Tech.
Sh. N.K. Singh	M.Tech.
Sh. M.K. Gupta	M.Tech.
Dr. P.K. Saini	Ph.D.
Dr. Punit Kumar	Ph.D.
Sh. Avadesh Yadav	M.Tech.
Dr. Jitinder Kumar	Ph.D.
Dr. Gulshan Sachdeva	Ph.D.

DEPARTMENT OF PHYSICS

Head of the Department

Ph.D. Dr. J.K. Quamara

Professors

Dr. S.K. Mahna Ph.D. Dr. B.K. Kaushik Ph.D.

Associate Professor

Dr. Ashavani Kumar Ph.D.
Dr. (Ms.) Neena Jaggi Ph.D.
Dr. Rishipal Chauhan Ph.D.

Assistant Professor

Dr. Anurag Gaur Ph.D. Sh. Parkash Chand M.Sc.

DEPARTMENT OF CHEMISTRY

Head of Department

Dr. (Ms.) Minati Baral Ph.D.

Professor

Dr. Dinesh Kumar Ph.D. Dr. D.P. Singh Ph.D.

Associate Professor

Dr. J.K. Kapoor Ph.D.

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCE

Head of Department

Dr. Rajender Kumar Ph.D.

Professor

Dr. P.J.Philip Ph.D.

Associate Professors

Dr. Vikas Chaudhary Ph.D. Dr.(Ms.) Kiran Mor Ph.D.

DEPARTMENT OF MATHEMATICS

Head of Department

Dr. Paras Ram Ph.D.

Professor

Dr. Kuldeep Kumar Ph.D.

Assistant Professor

Dr.(Ms.) Saraswati Yadav Ph.D.

DEPARTMENT OF BUSINESS ADMINISTRATION

Head of Department

Dr. P.J. Philip Ph.D.

DEPARTMENT OF COMPUTER APPLICATIONS

Head of Department

Dr. Jitender Kumar Chhabra Ph.D.

3.2 NON ACADEMIC STAFF (NON-TEACHING)

Registrar		01
Dy. Registrar	w .	 03
Asstt. Registrar		04
Librarian	e .	01
Asstt. Librarian	4	01
Sr. SAS Officer		01
SAS Officer		02
Sr. Medical Officer		01
Medical Officer		03
Security Officer		01
Pr. Technical Officer		01
Sr. Technical Officer		04
Technical Officer	2,00	06
Executive Engineer		01
		 1 - 11

TOTAL 30

TEACHING SUPPORTING STAFF

TOTAL	118
Gas Plant Helper	01
Lab. Attendant	33
System Attendant	03
Gas Man	01
Ferro Machine Operator	02
Lab Assistant	02
Tracer	04
Technician Grade 'B'	19
Technician Grade 'A'	23
Asstt. Draftsman	01
Senior Draftsman	03
Supervisor	26

OTHER ADMINISTRATIVE STAFF

Deputy Superintendent	08
Junior Accountant	01
Assistant/MMCA	23
Head Cashier	01
Cashier	01
Accounts Clerk	05
Senior Stenographer	07
Senior Storekeeper	02
Junior Stenographer	10
Junior Storekeeper	07
Clerks	36
Duplicating Machine Operator	01
Steno-typist	02
Lady Resident Warden	01
Matron (Girls Hostel)	01
Farash-cum-Attendant	05
Guest House Helper	01
Telephone Operator-cum-receptionist	02
Store Helper	01
Farash	05
Groundsman	06
Jamadar Peon	01
Peon	27
Daftri	02
Dafedar	01
Storemate	01
Storemunshi	01
Chowkidar	42
Driver	04

Clear		02	
	-cum-chowkidar	01	
TOTA	AL	208	
LIBRARY STAFF			
Senio	or Library Asstt.	02	
	nter Assistant	03	
Rest		04	
	ary Attendant	07	
	Binder	01	
Clea		02	
	x Operator	01	
Xelo	x Operator		
TOTAL		20	
MAINTENANCE	STAFF		
Inne	or Engineer	04	
	or Engineer	01	
	trician	01	
Plun		01	
	enter		
Mas		01	
Pum	p Driver	01	
	t Pump Driver	05	
Fitte		01	
	t. Fitter	01	
Trac	esman Mate	01	
Cho	wkidar-cum-Mali	02	
Jam	adar Sweeper	01	
	eper	29	
	erman	04	
	d Mali	01	
Mali		13	
TOTAL	7.	67	
*			
MEDICAL STA	PID.		
MEDICAL STA			
Pha	rmacist	02	
	. Technician	01	
	f Nurse	01	
	sser	01	

TOTAL	07	
Health Worker-cum-Peon	01	
Female Attendant	01	

WORKCHARGED/DAILY-WAGED STAFF MADE REGULAR BUT NOT ABSORBED IN THE REGULAR ESTABLISHMENT OF INSTITUTE (PERSONAL TO INCUMBENT)

Post	Sanctioned					
Painter	01					
Plumber	01					
Carpenter	03					
Electrician	02					
Mason	03					
Beldar	05					
Mali	01					
TOTAL	16					

3.3 TRAINING STATUS

The Ministry of Human Resource and Development, Govt. of India has formulated training policy under Technical Education Quality Improvement Programme (TEQIP) for the faculty in which teachers of the technical institutions are trained. The Technical Teachers' Training Institutes of the region organize training programme on the different areas of Engineering and Technology. The Govt. of India is meeting expenditure for training of the teachers and bears the training cost, salary, TA/DA and stay expenses.

The Institute has training facilities for the faculty and other staff under Technical Education Quality Improvement Programme within the country which are arranged from Govt. organizations/ institutions as per the proposal. A number of staff members have been benefited by this scheme.

3.4 PLACEMENT OF STAFF FOR ACADEMIC EXCELLENCE

The Academic staff (faculty) of the Institute is placed for Academic excellence for the following subjects:-

a) To conduct research or advance studies in India or abroad;

- b) To write text books, standard works and other literature;
- To visit/work in International concerns and Technical Departments of Government to gain practical experience in their respective fields;
- d) To visit or work in a University, Institute or Government Research Laboratories in India or abroad; and
- e) Any other purpose for the academic development of the staff.
- f) For undergoing a special course of higher studies or specialized training in a professional or technical subject having a direct and close connection with the sphere of duties.

For this purpose, study leave and sabbatical leave are granted to the academic staff for the development of academic excellence.

4.0 TEACHING PROGRAMMES

4.1 COURSES OFFERED

UNDERGRADUATE COURSES - B.TECH. DEGREE COURSES

Courses of study were offered in the following disciplines:

<u>Discipline</u>	No. of seats
Civil Engineering	139
Electrical Engineering	139
Mechanical Engineering	139
Electronics & Communication Engineerin	g 139
Computer Engineering	92
Industrial Engg. & Management	92
Information Technology	92
Total	832

Note:

DASA/NRI students can be admitted upto 15% over and above of the sanction strength of B.Tech. (i.e. 15% of 832)

The duration of each course is four academic years. Teaching in each academic year (1st July to 30th June) is divided into two semesters of about sixteen weeks each.

The courses include study at the Institute, visits to work-sites and practical training in the Institute workshops and in approved engineering works.

POSTGRADUATE COURSES - M. TECH. DEGREE COURSES

Courses of study were offered in the following disciplines and specializations:

The seats available for admission though CCMT-2012 are given below:

Discipline		N	o. of	Specialization			
	Open	SC	ST	OBC	PD	Total	
Civil Engineering	08	03	01	04	-	16	Structural Engineering
	08	03	01	04	01	17	Transportation Engg.
	09	02	01	05	01	18	Environmental Engg.
	08	03	01	04	-	16	Soil Mechanics & Foundation Engg.
	08	03	01	04	01	17	Water Resources Engg
Electrical Engineering	08	03	01	04	-	16	Control System

	08	03	01	04	-	16	Power System
	08	03	01	. 04		16	Power Electronics & Drives
Electronics & Comm. Engg.	10	03	02	05	•	20	Electronics & Comm. Engg.
	09	02	02	06	01	20	VLSI Design
Physics	10	03	02	05	-	20	Instrumentation
	09	02	02	06	01	20	Nano Technology
Mechanical Engg.	. 08	03	01	04	-	16	Industrial And Production Engg.
	. 08	03	01	04	01	17	Machine Design
	09	02	02	05	01	19	Thermal Engg.
Computer Engg.	10	02	01	06	01	20	Computer Engg.

The duration of each course is four semesters for regular students and five semesters for part-time students.

The Insitute made admissions directly in the academic session in the academic session 2012-13 on (i) sponsored seats and (ii) seats available under TEQIP-II project. In addition direct admissions were also made for two new M.Tech. programmes. The number of seats available in each category for admission through this mode are given below:

(i) Sponsored and TEQIP-II seats:

Discipline	No. of seats TEQIP-II						Specialization
	Open	SC	ST	OBC	Spon- sored	Total	3 y
Civil Engineering	01	01	Ē	01	05	08	Structural Engineering
	01	01	-		05	07	Transportation Engg.
	-	-		01	05	06	Environmental Engg.
	01	-	-	01	05	07	Soil Mechanics & Foundation Engg.
	01	-	-	ly of	05	06	Water Resources Engg.
Electrical Engineering	02	01	-	01	05	09	Control System
	02	-	01	01	05	09	Power System
	02	01	-	01	05	09	Power Electronics & Drives
Electronics & Comm. Engg.	02	01	-	01	05	09	Electronics & Comm. Engg.
	06	01	02	03	05	17	VLSI Design
Physics	-		-	-	05	05	Instrumentation
	-	-	-	-	05	05	Nano Technology

Mechanical Engg.	02	01		01	05	09	Industrial And Production Engg.
	02	01	-	01	05	09	Machine Design
	02	-	01	01	05	09	Thermal Engg.
Computer Engg.	03	01	-	01	05	10	Computer Engg.
School of VLSI Design & Embedded System	•	•	1	1	05	05	Embedded System Design
School of Renewable Energy & Efficiency	-	14 1 E	-	-	05	05	Renewable Energy Systems

(ii) New M.Tech. Programmes:

Deptt./School		1	No. of	seats			Programme
	Open	SC	ST	OBC	PD	Total	
School of VLSI Design & Embedded System	09	03	02	05	01	20	Embedded System Design
School of Renewable Energy & Efficiency	09	03	02	05	01	20	Renewable Energy Systems

MBA DEGREE COURSE

Responding to an increasing demand for management professionals in the country and keeping in line with its stated goal of regularly adding new courses as a part of its 20-years growth plan, NIT Kurukshetra has started 2-years MBA programme, effective 2006-07 with an intake of 60 Students (presently 90 seats). With the introduction of the programme, Institute extends its long years of expertise into the field of Business Administration, thus fulfilling its commitment to the business world and the society at large of developing professional managers with varied competencies and ethical values.

In a short span, MBA program has made a mark for itself. It has all the ingredients of a successful program: a strong curriculum, comparable with the very best; well qualified and dedicated faculty, a batch of talented and enthusiastic students; emphasis on case-based interactive study, supported by all modern teaching aids; liaison with industry; active participation in inter & intra-institution competitions etc.

The first batch enjoyed the unique opportunity of receiving Summer Training from reputed Universities/B-Schools and industries in three European countries- Switzerland, Germany & Holland. This exceptional experience helped the

students widen their horizon and provide them much valued international exposure.

MCA DEGREE COURSE

Responding to an increasing demand for computer professionals in the country and keeping in line with its stated goal of regularly adding new courses as a part of its 20-years growth plan, NIT Kurukshetra has started 3-years MCA programme with effect from session 2007-08 with an intake of 60 Students (presently 90 seats). With the introduction of the programme, Institute extends its long years of expertise into the field of Computer Applications thus fulfilling its commitment to the IT industry worldwide and the society at large of developing computer professionals with varied competencies and ethical values. The programme derives strength from:

Expert faculty, and well established administrative, consultancy, Training and placement infrastructure of NIT Kurukshetra Latest IT Industry oriented flexible curriculum Specialized training at leading IT Industry Placement assistance from Training and Placement Cell

Ph.D. DEGREE COURSES

Facilities are available in Institute for research leading to the degree of Doctor of Philosophy in the various disciplines of Engineering and Technology.

4.2 COURSE-WISE ENROLMENT WITH SEX AND CASTE BREAK-UP

B.TECH. DEGREE COURSES

Year	Semester	Boys	Girls	Total
1	I	659	149	808
II	III	693	89	782
III	V	711	80	791
IV	VII	666	129	795
	l'otal	2729	447	3176

M.TECH. DEGREE COURSES

	Year	Semester	Boys	Girls	Total
Civil	I	I	74	10	84
	II	III	60	20	80
Electrical	I	I	56	05	61
	II	III	60	12	72

Electronics	I	I	16	09	25
	II	III	51	04	55
Mechanical	1	I	63	02	65
	II	III	70	06	76
Physics	I	I	14	07	21
	II	III	25	08	33
	I	I	19	04	23
Computer	II	III	18	06	24
Renewal Energy	1	1	14	01	15
System	II	III	11	03	14
Embedded	1	1	49	02	51
System Design	II	III	17	04	21
	tal		617	103	720

MBA and MCA DEGREE COURSES

	Year	Semester	Boys	Girls	Total
	I	I	43	19	62
MBA	II	III	48	21	69
MCA	I	I	55	28	83
	II	III	50	32	82
	III	V	51	35	86
	Total		247	135	382

Ph.D DEGREE COURSE

	Boys	Girls	Total
Ph.D.	278	87	365

4.3 ADMISSION STATISTICS-UG/PG PROGRAMMES, COURSE-WISE

UNDERGRADUATE COURSES

Details of candidates admitted to B.Tech. courses in 2012-2013:-

Grand Total	Mechanical Engg.	Technology	Industrial Engg. and Management	Comm. Engg.	Electrical Engg.	Computer Engg.	Civil Engg.	Category	B.Tech.
1						н		DASA	
2					N			ICCR	,
1					-			MEA	
17		1	ы	0	ω	CI		ОВС	FEMALE
1	W.		1					PH	CBC EB
47	11	12	N	11	7	7	00	OP	n
12		н	-	ω	CI	н	-	SC	
00		N		1	ω	ы		ST	
89	T (e)	16	ο	21	21	16	9		Total
w				2				DASA	
OI	ы			ы			1	ICCR	
()I	2			p4		-	1	MEA	
199	37	21	23	29	33	20	36	овс	
o	1			ы	ນ		1	ОВСРН	MALE
311	58	26	36	52	50	32	57	OP	E
10	ы	н	1	N	1	1	2	OP PH	
100	19	o	12	13	15	13	19	SC	
ω				1	_	1		SC PH	
51	10	CI	7	9	0	4	10	ST	
-			5 V 6	- f			1	PH	
693	131	62	79	113	108	72	128		MALE Total
782	131	78	85	134	129	80	137		Grand Total

Grand Total 766+16 *ICCR/MEA/DASA = 782

POSTGRADUATE COURSES

Details of sanctioned intake and candidates admitted to M.Tech. courses in 2012-2013:-

10	Renewal Energy & Efficiency	System	School of VLSI Design & Embedded	Lujeice	Physics	1000	Engg.	Mechanical	Electronics & Comm. Engg		Engg.	Electrical	Computer Engg.			Civil Engg.				Branch
Grand Total	R.E.S	E. S.D.	VLSI Design	Ph (Inst.)	Ph (N.T)	M (Thermal)	M (I &P)	M (M.D.)	ECE	E (P.S.)	E (P.E.D.)	E (C.S.)	Computer	C (W.R)	C (Trans.)	C (Strut.)	C (S.M.F)	C (Envir.)		Programme
1												1							ICCR	10.1
12	T.	2			1		1	ъ				2				1	2	2	ОВС	
33	3			w	w	2				1	2	6	0	1		1	ы	N	QP Q	Female
11		1	μ	1			D		-		2	1		1			1		SC	ale
1						1						3 to	*					601	ST	HV
2		1							-	7						B			Spon.	
60	w	4	H	4	4	ω	2	2	ω	1	4	10	0	N		N	(J)	4		Total
1						7/2					N. I. A.	52 52 53 4 1				1			DASA	
1								1										0	ICCR	
82	ne e	3	4	CII	CI	00	6	6	(I)	0	51	2	0	on	6	O1	ω	ы	ОВС	
157	o	12	15	00	ы	7	11	12	13	9	11	7	6	00	00	7	6	7	QP Q	Male
4			1			1					1				-	t	oe.		PH	
41	ы		ω	ы	N	N	22	4	ω	ω	2	2	ω	ы	4	н	ы	ы	sc	
7			N	-		1				N						1			ST	
17	-	N				ω	2		ы	4	1	1	1						Spon.	
310	Ħ	17	25	16	9	22	21	23	23	24	20	12	16	15	19	15	11	11		Total
370	14	21	26	20	13	25	23	25	26	25	24	22	13	17	19	17	16	15		Grand Total

4.4 STUDENTS' TOTAL STRENGTH

B.Tech. Degree Cour	rse	1.00
Ist Semester	-	808
IIIrd Semester	-	782
Vth Semester	=	791
VIIth Semester	-	795
M.Tech. Degree Cou	rse	
Ist Semester	=	366
IIIrd Semester	=	370
MBA Degree Course		
Ist Semester	=	62
IIIrd Semester	-	67
MCA Degree Course		
Ist Semester		83
IIIrd Semester	_	82
Vth Semester	=	.85
Ph.D Degree Course	=	365
Total	144	4656

Table 1 shows yearwise breakup of students' statistics for B.Tech. programme.

Class/e		Tota	l Enro	lment	Manage at the same	Scheduled Castes Enrolment			duled nrolm	Tribes ent	Backward Class Enrolment(OBC)			
		Boy s	Girl s	Total	Boy s	Girl s	Total	Boy s	Girl s	Total	Boy s	Girl s	Total	
	1	2	3	4	5	6	7	8	9	10	11	12	13	
B.Tec h	is w			1000	10									
2009	Com	61	15	76	12	02	14	02	03	05	11	02	13	
	EC	104	17	121	13	03	26	08	02	10	24	01	25	
D 25- (-	M	120	01	121	18	-	18	10	-	10	24		24	
	E	98	21	119	14	03	17	07	03	10	22	02	24	
	С	111	09	120	16	01	17	10	-	10	26	01	27	
	IT	50	26	76	07	03	10	02	02	04	13	05	18	
25.00	IEM	28	05	33	06	-	06	02	-	02	07	-	07	
2010	Com	77	17	94	12	03	15	05	02	07	21	03	24	
10.17	EC	108	33	141	15	05	20	07	03	10	27	11	38	
	M	141	-	141	20	-	20	10	-	10	37	-	37	
	E	118	20	138	19	02	21	08	02	10	36	02	38	
	C	125	14	139	18	02	20	08	02	10	37	01	38	
	IT	57	14	71	13	01	14	05	02	07	17	07	24	
	IEM	57	14	71	13	01	14	05	01	06	19	04	23	
2011	Com	64	16	80	10	4	14	4	2	6	18	3	21	
	EC	110	18	128	15	4	19	9	1	10	35	3	38	
1.45	M	133	0	133	20	-	20	11	-	11	37	1	37	
1	E	121	11	132	18	2	20	7	3	10	34	2	36	
	С	128	.4	132	19	1	20	9	2	11	38	-	38	
	IT	69	20	89	10	4 4	14	6	1	7	20	4	24	
	IEM	73	10	83	12	2	14	4	1	5	24	1	25	
2012	Com	72	16	88	14	1	15	4	2	6	20	5	25	
more High	EC	113	21	134	14	3	17	9	1	10	31	6	37	
u ili a mu	M	131	-	131	19	-	19	10	-	11	38	-	38	
y	E	108	21	129	16	5	21	6	9	10	35	8	38	
1 - 7 3	С	128	9	137	19	1	20	11	•	11	37		37	
1/4 (1) A	IT	62	16	78	9	1	10	5	2	7	21	1	22	
	IEM	79	6	85	12	1	13	7	-	5	23	3	26	

4.5 THE HOSTELS

MANAGEMENT OF HOSTELS

The Institute has 10 boys' and 3 girls' hostels. Three boys hostels for B.Tech. students with a capacity of 250 each are three seaters and two boys' hostels for B.Tech. students with a capacity of 350 seats each, two boys' hostels for P.G. students/research scholar with a capacity of 150 seats and 350 seats are single seaters. Recently, the Institute has constructed one Mega boys' hostel with a capacity of 1000 seats to cope up the increased strength of B.Tech. and M.Tech. students. Three Girls' hostels are with capacity of 120 seats, 200 seats & 300 seats. There are single, double and triple seated rooms in these hostels.

All rooms in the hostels have been provided with furniture and ceiling fans. Each hostel is a self contained unit with its own mess and common room. Common room facilities include newspapers, magazines, indoor games and a colour television set. Each student is expected to respond to the role assigned to him/her in the community life of the hostel.

ADMINISTRATION

Each boys' hostel is looked after by two members of the teaching faculty who act as Wardens. Every girl hostel has a full time lady Resident Warden. The overall coordination of working is done by Deputy Chief Warden and Chief Warden. Each boys' hostel has Mess Manager-cum-Accountant, Hostel Clerk, Farash, Chowkidars, Mess Supervisor and other mess staff to assist Wardens in smooth running of the hostel. In each girl hostel Matron, Chowkidars, Mess Supervisor and other mess staff help Resident Lady Warden in running of the hostel.

4.6 SCHOLARSHIPS/ASSISTANCE-SHIP

Merit-cum-means and other Scholarship for B.Tech.

21 Merit Scholarships and 52 Merit-cum-Means Scholarships are awarded by the Institute (as per conditions laid down) for each year of B.Tech. Degree courses. In addition, National Scholarships, Post-matric Scholarship and many other stipends are awarded by various Government Institutions and other agencies.

Students receiving a Merit Scholarship or Merit-cum-Means Scholarship or stipend are not permitted to receive any other scholarship/stipend. In case he/she is in receipt of any other Scholarship or stipend it must be surrendered and amounts received is refunded before a Merit Scholarship or Merit-cum-Means Scholarship can be claimed. Loans or a single cash Prize however does not debar a student from eligibility for the Merit Scholarship or Merit-cum-Means Scholarship.

A Scholarship which falls vacant due to any reason is awarded to the next eligible candidate in order of merit.

Subject to availability, a small number of Merit-cum-Means Scholarships are awarded to students in higher classes also on the aggregate of two semester examination in the previous year provided the students have secured 60% or more marks in one attempt in each of the two semester examinations in the previous year and they fulfil the eligibility conditions for the Merit-cum-Means Scholarship.

Alumni Association Scholarship

The NITK Alumni Association awards 5 scholarships (one each in the disciplines of Civil, Computer, Electronics, Electrical and Mechanical Engineering) worth Rs. 2400/- per annum which is open to all regular B.Tech. students of the Institute.

Alumni Association Medal for the Best All-Round Student of the year

Alumni Association has instituted a Medal for Best All- round student of the year of the Institute. The Best All- rounder will be same as selected by the duly constituted board of the Institute for the purpose.

Scholarships for M.Tech students

A scholarship of Rs. 8000/- p.m. per student is awarded to all eligible students pursuing a regular course of study of M.Tech. Only those candidates who have qualified the GATE examination are eligible for the award of scholarships.

4.7 GAMES AND SPORTS

The Engineering Curriculum demands dedicated and sustained efforts from every student. As a result, students remain busy with their studies throughout the year.

Nevertheless, realizing the importance of sports and games in the overall development of the students, Institute has provided several sports facilities to the students.

NIT Kurukshetra is the only institution which introduces the physical education as a compulsory subject (practical only) for all the B.Tech. Ist year students. Almost all students of institute come to sports grounds daily for their physical fitness. This is the only Engg. institution which conducts inter year tournaments in all games and sports every year. Almost all Inter-Class Tournaments in various games and sports were organized this year too.

Institute teams participated in 'SPORTECH 2012' held at Indian Institute of Technology, Delhi from 2.3.2012 to 5.3.2012 in Basketball, Chess, Cricket, Football and Table Tennis. Basketball, Cricket, Athletics, Sports Quiz teams of the Institute participated in Inter Collegiate Annual Sports Fest 'Udghosh 2012' held at IIT Kanpur from 27.9.2012 to 30.9.2012. Badminton, Basketball, Cricket, Football, Table Tennis & Volleyball teams of the Institute participated in 'SPARDHA 2013' held at IIT, BHU from 22.2.2013 to 25.2.2013. In both events, Basketball team got Runner's up position. Institute Table Tennis team participated in Inter Engg. Deemed University Table Tennis Tournament held at TIET, Patiala from 12.10.2012 to 13.10.2012. 41st Annual Athletic Meet 2012 was organised in the Institute.

4.8 AWARDS

Undergraduate students of B.Tech. Degree Course are eligible for a number of Honours, Awards, Scholarships and other financial assistance based on their academic performance, means, requirements etc.. Chief among these are Medals awarded to the toppers in the various disciplines, citation of names in the Institute Roll of Honour and the Award for the Best All-rounder. While the Medals and Certificates of merit awarded by the Institute are for purely academic achievements, the Best All Rounder Award is for Students who achieve scholarship with sportsmanship and excellence in other extra-mural activities.

MEDALS

Gold Medal along with a cash award of Rs. 5,000/- for the students who secure 1st position in the final examination in all disciplines of NIT Kurukshetra.

4.9 EXAMINATION DETAILS

UNDERGRADUATE COURSES

Discipline	No. Appeared	No. Passed	1st Divn. Hons.	1st Div	2nd Div n.	Name & Roll No. of students Securing Highest Marks	CGPA
Computer	76	61+2	The secondary	de B		Mohd. Fahad 108112	9.9388
Civil	104	99+4		-do-		Kusum Ghangas 108636	9.7021
Electronics	110	106+ 13		-do-		Sheena Goel 108696	9.8105
Electrical	102	92+2	2416	-do-	P .	Paranav Chachra 108624	9.7190
Mechanical	109	94+2		-do-		Charu Datt 108322	9.7434

Total	621	562+ 23			Track in
IT	66	64	-do-	Sumedha Khatter 108482	9.6004
IEM	54	47	-do-	Hemant Kr. Suman 108243	9.6098

POSTGRADUATE COURSES

M.Tech.	No. of Students Passed
Computer Engg.	24
Electronics & Comm. Engg.	27
Electronics & Comm. Engg. (VLSI Design)	22
Mechanical Engg. (Thermal)	21
Mechanical Engg. (I & P)	16
Mechanical Engg. (Machine Design)	21
Electrical Engg. (Power System)	18
Electrical Engg. (Control System)	08
Electrical Engg. (PED)	11
Civil Engineering (Environmental)	04
Civil Engineering (Soil Foundation &	07
Mechanics)	
Civil Engineering (Structural)	12
Civil Engineering (Transportation)	13
Civil Engineering (Water Resources)	02
Instrumentation	16
Nanotechnology	16
Total	238
MBA	76
MCA	80

4.10 TRAINING AND PLACEMENT

TRAINING

It is mandatory for all B.Tech. students to undergo practical training twice during their four-year stay in the Institute. The students undergo first practical training after 4th semester and the second after 6th semester. This training takes place during the summer vacations in establishments approved by the Institute. All expenses are to be borne by the students. After completion of the training period, students are required to submit a report which is evaluated in the Institute. While undergoing practical training, the students are expected to conform to the rules of the organization in which they are taking training. They are subjected to the orders and disciplinary control of the concerned organizations.

SURVEY CAMP

Second year B.Tech. degree students of Civil Engineering are required to attend a survey camp during summer vacations. The Institute bears only limited expenses for this camp.

PROJECT TOURS

All students of final and pre-final years of B.Tech. are required to go on short project tours as and when arranged by the Institute. The Institute provides a bus for these tours but all other expenses are borne by students.

EDUCATIONAL TOURS

B.Tech. students of third and final years are required to go on short educational tours as arranged by the Institute.

PLACEMENT

The number of companies visited and jobs offered disciplinewise are as given below:

Discipline	No. of companies which conducted interviews	No. of jobs*	
Computer Engg.	65	77	
Information Technology	65	58	
Electronics & Comm. Engg.	45	122	
Mechanical Engg.	64	119	
Electrical Engg.	51	98	
Civil Engg.	39	86	
IEM	33	18	
MCA	25	69	
M.Tech.	27	100	

Note : *Some students were selected by more than one company

List of firms which conducted campus interviews/considered Bio-data.

Exide ZS Associates Lakshya Institute

Mahindra & Mahindra Subros Shobha Developers

Facebook US TERII **GLA University**

Future First Vserve NCB

EXL Services Winshuttle **NOIDA Power**

Atrenta Pepsico Pratap University

Bachtel Maruti Shivalik College

MAQ Software **TATA Motors** Adobe Alstom Power Open Solutions Tally Thought Works Grey-B Novel1

Microsoft IT RBS Telecon

Cvent **Brahmos Aerospace TATA Housing**

AKS Software Playbuff Grape City

Amadeous Verizon Microsoft IDC

JSPL Ashok Leyland Thermax

Aricent Mu-Sigma Compro

JSW HeroMotocop **IBM**

Omfpgaom **Applied Material** Sapient MIDAS IT Freescale Belzabar

ACC Concrete Petrofac Lurgi Rancore LPU Aecom

Drishti Software Emerson Network Technip

LnT ECC **EMAAR MGF** Indian Navy

JCB **IRCO** Impetus

Kritical Omega Sea Osscube Polaris

Manglayatan University Gemini Solution Era Contruction Ambuja Cement

HDFC LnT Heavy Engg. Samsung Engg.

Virtusa

Wind Moller Agnity | Oceaneering

Aakash Institute

Tejas network

IDEA

EXICOM

Polyplex

Google

TATA Power DDL

Galghotia

Genesis Classes

Samsung Reasearh

Samsung SEL

Google US

Infoedge

C-Dot

Snapdeal

Make My Trip

Naggaro

Bristle Cone

TCS

DATA 64

Nestle

ISMT

Accenture

Honda

Ericsson

HUL

Firefly HT

Simson India

HSCC

Libsys

NEC HCL

Newgen Software

ISGEC

Godrej

Triune Energy

Eveready

TSCS

Samsung SDS

ATOS

Denso India

Magneti Mareli

HPCL

IOCL

Texas Instrumentation

Wapocs

Grazritity

G S Contruction

IGL

HFG Ltd.

Pradan

B L Kashyap

Konyy Lab

Wood Keny

CA Technology

OIL F

Henkel

Escorts Ltd.

Century Metal

Amdocs

BIT Meerut

IMI Norgren

Ganpact

Ansys

Analog Device

Trident

MVN Institute

5.0 RESEARCH AND DEVELOPMENT ACTIVITIES

5.1 Ph.D. PROGRAMMES

Facilities are available in the Institute for research leading to the Degree of Doctor of Philosophy in the following areas of Engineering and Technology:-

Civil Engineering Department

- 1. Structural Engineering and Concrete Technology
- 2. Hydraulics and Water Resources
- 3. Soil Mechanics and Foundation Engineering
- 4. Geotechnique/Rock Mechanics
- 5. Highway/Transportation Engineering
- 6. Environment/Public Health Engineering
- 7. Remote Sensing/Advanced Surveying

Electrical Engineering Department

- 1. Reliability Engineering
- 2. Digital Signal Processing
- 3. Control Systems Theory and Applications
- 4. Electrical Machines
- 5. Wind Energy Conversion
- 6. Power Systems Dynamics and Stability
- 7. FACTS
- 8. Power Electronics
- 9. Power System Restructuring
- 10. Genetic Algorithms Applications
- 11. Robust Control
- 12. Robotics
- 13. Electric Drives
- 14. Digital Instrumentation and Control
- 15. Linear Control Systems
- 16. Microprocessor Based Systems
- 17. Power Quality Control in Power Systems
- 18. Control Applications in Power Drives
- 19. Artificial Intelligence
- 20. High Voltage Engineering
- 21. DSP Applications

Mechanical Engineering Department

- 1. Thermal Sciences
- 2. Energy Management Design
- 3. Production and Industrial Engg.
- 4. CAD/CAM

5. Mechanical Design

Electronics & Communication Engineering Department

- 1. Mobile Communication
- 2. Digital Signal Processing
- 3. Digital Communications
- 4. Microelectronics & Modeling of semi conductor devices
- 5. VLSI Design
- 6. Image Processing
- 7. CDMA Systems
- 8. Reconfigurable Systems
- 9. Low Power VLSI Design
- 10. Wireless Broadband Access Technologies
- 11. Mobile Computing
- 12. Wireless Sensor Networks

Computer Engineering Department

- 1. Operating Systems
- 2. Computer Networks
- 3. Distributed Computing
- 4. Software Engineering
- 5. Object Oriented Technology
- 6. Database and Data Mining
- 7. Natural Language Processing

Physics Department

- 1. High Energy and Radiation Physics
- 2. Nano Technology
- 3. Solid State Nuclear Track Detectors
- 4. Polymer Physics
- 5. Condensed matter Physics
- 6. Molecular Spectroscopy

Chemistry Department

- 1. Coordination Chemistry
- 2. Bio-inorganic Chemistry
- 3. Polymer Chemistry
- 4. Environmental Chemistry

Mathematics Department

- 1. Elasticity
- 2. Fluid Mechanics
- 3. Magnetic Fluids
- 4. Operational Research

5. Reliability Models **Humanities & Social Sciences Department**

- 1. Anglo Saxon and Medieval English (Pre Chaucerian) Poetry, Applied Linguistics (English Language Teaching, Translation Studies)
- 2. Agricultural Economics, Industrial Economics, Indian Economy
- 3. Human Resources Management and Industrial Relations, Marketing Management and Financial Management
- 4. Intellectual Property Rights

MCA Department

- 1. Semantic Web Services
- 2. Synchronisation in Mobile Computing
- 3. Software Engineering
- 4. Web based Instructional System
- 5. Adhoc Network
- 6. Mobile Computing Techniques & Algorithms in Wireless and Computer Systems
- 7. Fault Tolerance in Distributed Computing
- 8. Secure Wireless Sensor Network
- 9. Semantic Web & Services

5.2 PhDs AWARDED AND IN-PROGRESS

No.	Department	Awarded	In-Progress
1.	Civil	03	28
2.	Electrical	11	89
3.	Mechanical	09	80
4.	Electronics & Comm.	01	26
5.	Physics	01	20
6.	Chemistry	02	08
7.	Mathematics	02	04
8.	Humanities	01	13
9.	Computer	02	18
10.	MCA		08
	Total	32	294

5.3 INSTITUTE-INDUSTRY COLLABORATION

CIVIL ENGINEERING DEPARTMENT

i) Doing Industrial Consultancy for Structures Design/Testing - Dr. S.K. Madan

ii) Principal Investigator of sponsored Research Project entitled "Strengthening of Structural Elements using tyfo Fibrwrap Systems" sponsored by Fyfe Asia Pvt. Ltd., TT International Trade Park, Singapore through their Indian Agency M/s Cembond Construction, New Delhi- Dr. H.K. Sharma

5.4 INNOVATIONS AND TECHNOLOGY TRANSFER

CIVIL ENGINEERING DEPARTMENT

Developed innovative methods for strengthening of structural element and transferred such technology to M/s Cembond Construction, New Delhi under collaborative research project.

5.5 Technical Education Quality Improvement Programme-II (TEQIP-II)

The Institute has been selected to participate in TEQIP-II, subcomponent 1.2, which aims at Scaling-up Postgraduate Education and Demand-Driven Research & Development and Innovation.

The major objective of TEQIP-II subcomponent 1.2 is to significantly increase enrolment in PG programmes in engineering disciplines and enhance engineering Research & Development and innovation by

- Improving the quality and relevance of the PG programmes
- · Attracting more and better qualified PG students
- Improving faculty qualifications
- Increasing facilities for PG education
- Enhancing management of the institutions for more effective governance

6.0 THE COUNCIL, BOG AND OTHER COMMITTEES

6.1 INSTITUTE'S (NIT) COUNCIL

The composition of the Members of the Council shall be as under:-

1.	Minister of Human Resource Development, Government of India	Chairman
2.	Secretary, Department of Secondary and Higher Education, Ministry of HRD, Government of India	Member
3.	Principal Adviser (Education Planning Commission)	Member
4.	Secretary, Deptt. of Science & Technology, GOI	Member
5.	Director General, Council of Scientific & Industrial Research, Government of India	Member
6.	Secretary, Deptt. Of Biotechnology, Government of India.	Member
7.	Secretary, Atomic Energy, Government of India	Member
8.	Secretary, Deptt. of Information Technology, GOI	Member
9.	Secretary, Deptt. Of Space, Govt. of India.	Member
10.	Special Secretary/Addl. Secretary/ Educational Adviser(T), Department of Secondary & Higher Education, Ministry	Member
11.	Chairman, University Grants Commission	Member
12.	Chairman, All India Council of Technical Education	Member
13- 14	Two Chairmen, Board of Governors of National Institute of Technology (by rotation)	Members
15- 18	4 Directors of the National Institutes of technology (by rotation)	Members
19.	One Director of Indian Institute of Technology (by rotation)	Member
20.	One Director of Indian Institute of Management (by rotation)	Member
21- 22	Two Secretaries of Higher/Technical Education from states where NITs are located (by rotation)	Members
23- 24	Two persons from Industry nominated by the Central Government	Members
25.	Financial Adviser, MHRD, GOI	Member
26.	Joint Secretary,(Technical Education) Joint Educational Adviser (Technical Education),MHRD,GOI	Member- Secretary

6.2 BOARD OF GOVERNORS

The Board of Governors consists of the following persons, namely:-

- (a) the Chairperson, nominated by the Visitor;
- (b) the Director, ex officio;
- (c) two persons not below the rank of the Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance;
- (d) two persons to be nominated by the Government of the State in which the Institute is situated, from amongst persons, who, in the opinion of that Government, are technologists or industrialists of repute;
- (e) two persons, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council;
- (f) one Professor and one Assistant Professor or a lecturer of the Institute to be nominated by the Senate.
- (g) the Registrar, Secretary.

6.3 FINANCE COMMITTEE

The Finance Committee consists of following persons, namely:-

- (a) the Chairperson, ex officio, who is the Chairman of the Committee;
- (b) two persons nominated by the Central Government;
- (c) two persons nominated by the Board; and
- (d) the Director, Ex-officio.
- (e) the Registrar, ex-officio Member Secretary.
- (f) the nominee of the Govt. of Haryana.

6.4 BUILDING AND WORKS COMMITTEE

The Building and Works Committee consists of the following persons, namely:-

- (a) the Director, ex-officio, who is the Chairman of the Committee;
- (b) one person nominated by the Central Government not below the rank of Director or Deputy Secretary;
- (c) one person nominated by the Board from amongst its members;
- (d) the Registrar, ex-officio Member Secretary
- (e) Dean, Planning & Development.

(f) One expert each from Civil, Electrical Engineering Wing of the Central or State Government or any autonomous body of the repute.

6.5 OTHER COMMITTEES

SENATE

The Senate consists of the following persons, namely:-

(a) the Director, ex-officio, who is the Chairman of the Senate.

(b) the Deputy Director, ex officio.

- (c) the Professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute.
- (d) three persons, one of whom shall be a woman, not being employees of the Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities.
- (e) such other members of the staff as may be laid down in the Statutes.
- (f) the Registrar, Secretary.

7.0 CONCESSIONS FOR SCs, STs, OBCs AND HANDICAPPED STUDENTS

7.1 CONCESSIONS PROVIDED FOR STUDENTS

15% seats for SC category, 7½% seats for ST category and 27% seats for OBC category are reserved for admission to the Under-graduate and Post-graduate courses. Moreover, 3% seats are reserved for Physically Handicapped students for admission to Under-graduate courses. These students can receive extra books from library as compared to General Category students. Concessional admission brochures are provided to SC/ST candidates for appearing in AIEEE examination conducted by CBSE. The Government also provides scholarships to SC/ST students.

7.2 CONCESSIONS PROVIDED FOR STAFF

TEACHING STAFF

15% reservation for SC category, 7½ reservation for ST category, 27% seats for OBC category and 3% reservation for physically handicapped candidates is provided at Assistant Professor level teaching posts as per reservation policy of Central Govt. However, there is no reservation for SC/ST/PH in teaching posts at Professors and Associate Professors levels.

NON-TEACHING STAFF

15% reservation for SC category, 7½ reservations for ST category, 27% seats for OBC category and 3% reservation for physically handicapped candidates is provided to all non-teaching posts as per reservation policy of Central Govt. The promotion and direct recruitment is being made according to the Post-Based-Roster Point.

8.0 FINANCIAL STATUS

8.1 ANALYSIS OF PLAN AND NON-PLAN GRANTS

Since inception of Institute, Government of India has been providing Plan Grant for development of Institute. Plan Grant is mainly released for residences in the campus, hostel of construction construction/renovation of instructional building and other buildings, purchase of new equipments as well as for purchase of furniture for the Institute as well as hostels. On a perusal of the grant released by the Government of India for the last 10 years. Plan Grant to the tune of Rs. 493.20 lacs for 2003-04, Rs. 322.50 lacs for 2004-05, Rs. 300.00 lacs for 2005-06, Rs. 900.00 lacs for 2006-07, Rs. 2315.00 lacs for 2007-08, Rs. 2756.00 lacs for 2008-09, Rs. 3944.00 lacs for 2009-10, Rs. 2200.00 lacs for 2010-11, Rs. 4100.00 lacs for the year 2011-12 and Rs. 3300.00 lacs for the year 2012-13 are released.

8.2 SOURCES OF FUNDS

As per establishment of REC now known as NIT, Kurukshetra, the entire Non-plan expenditure on Undergraduate Courses was borne by Central and State Government on 50:50 basis. This practice remained intact upto 31.3.2003. Consequent upon conversion of REC to NIT, Government of India has taken over full administrative and financial control and the Central Government started bearing the expenditure on Undergraduate Courses on 100% basis. However, since the inception of the Institute, the expenditure on PG Courses is borne by the Central Government.

During year 2004-2005, Government of India has released a sum of Rs. 750.00 lacs and Rs. 1200.00 lacs for 2005-06, Rs. 987.50 for 2006-07, Rs. 1200.00 lacs for 2007-08, Rs. 525.50 lacs for 2008-09, Rs. 2204.87 lacs for 2009-10, Rs. 1600.00 lacs for 2010-11, Rs. 2600.00 lacs for the year 2011-12 and Rs. 3800.00 lacs for the year 2012-13.

8.3 EXPENDITURE POSITION FOR LAST THREE YEARS

The position of expenditure from the year 2010-11 to 2012-13

Items	2010-11	2011-12	2012-13
	(Actual)	(Actual)	(Actual)
	(Rs. in	(Rs. In	(Rs. In
	Lacs)	Lacs)	Lacs)
Total Faculty Salary Bill	970.20	1365.25	1615.31
Arrears of salary paid			•
Non-faculty Salary Bill	672.01	674.69	733.96
Arrears of salary paid			

Total Wage Bill of Daily			57.96
wagers/Ad-hoc		BURNINGS	The said Manager of
employees & those on		100	
individual contract		A SILL 2 X	
Payment made to			3
Agencies for work being		15 21 41 - 614	
done on contract basis.			
Total Pension Bill	-	actual in the	20.03
TA/DA Bill	13.22	11.99	2.64
Employer's net	222.35	150.87	104.07
contribution to CPF			
Payment of Gratuity	144.80	91.21	121.25
Printing Publications	4.60	5.83	6.47
Scholarships/Fellowships	246.62	307.21	455.40
Other Administrative	358.22	677.90	289.82
Expenses			
Outstanding payment, if	<u> </u>		
any			
Electricity Charges	76.28	79.61	149.13
Maintenance of	54.51	19.70	74.31
Campus/Computers			
Taxes paid, if any	- :	58.82	74.10
Any other expenditure	90.14	167.46	214.41
Library Expenses	1.10	1.10	72.37
Gross Exp.	2854.05	3611.64	3991.23

9.0 CENTRAL FACILITIES AND SERVICES

9.1 COMPUTER SERVICES CENTRE

ORGANIZATION

Center of Computing and Networking (CCN) was started in 1997 as a project funded by MHRD. It is central computing facility for whole Institute connecting all buildings, departments and hostels through Local Area Network. CCN aims to integrate networking and computing facility for service to students, scholars, faculty and community, with an effort to automate Institute Offices and Sections. CCN maintains existing Institute and Hostel Networking with more then 4000 modes. It maintains Institute's Mail Server and Website along with state-of-the art Wireless Network. CCN is in the process of extending facilities to upcoming hostels and new administrative block.

ADMINISTRATIVE AND TECHNICAL STAFF

Prof. Brahmjit Singh Er. Jagan Nath Professor-In-Charge Technical Officer

TIMING OF THE CENTRE

It is open to students, faculty and staff members of the Institute and operates round the clock (24x7) throughout the year except on National Holidays.

NETWORKING FACILITIES

- 1 GBPS NKN leased line
- 155 Mbps leased line on OFC.
- Structured Networking (Including Core, Distribution and Access Switch, LX Modules and Passive Components) 4000 nodes.
- Wi-Fi Networking (84 Access Points) 2500 (Concurrent users)

COMPUTING FACILITIES: HARDWARE RESOURCES

Desktop Computer Core i7	-	67
Computer Systems (Core 2 Due, AMD, P-IV)	_	90
Desktop Computer Core i3	<u></u>	02
Servers	-	16
Laser Printers	-	03

Color Laser Printer		01
Photocopier		03
LCD Projectors		01
Scanners	The section of	02

SOFTWARE PACKAGES

1. MatLab 8 with Modules

- Optimization Toolbox 3.0
- Partial Different Equation Toolbox 1.0.5
- Statistics Toolbox 5.0
- Curve Fitting Toolbox 1.1.1
- Fuzzy Logic Toolbox 2.0.1
- Signal Processing Toolbox 6.2
- Wavelet Toolbox 3.0
- Filter Design Toolbox 3.0
- Genetic Algorithm
- Neural Network Toolbox 4.0.3
- Control System Toolbox 6.0
- Robust Control Toolbox 2.0.1
- Communications Toolbox 3.0
- Image Processing Toolbox 4.2
- Sim Power System 3.1
- Communications Blockset 3.0
- CDMA Reference Blockset 1.1
- Signal Processing Blockset 6.0

2. Mathematica 5.1 with Modules

- Control System Professional Suite
- Digital Image Processing
- Dynamic Visualizer
- Experimental Data Analyst
- Fuzzy Logic
- Global Optimization 4.0
- Neural Networks
- Operations Research 3.0
- Wavelet Explorer
- Advanced Numerical Methods
- · Signals and Systems
- Structural Mechanics
- Mechanical Systems
- Industrial Optimization

• Parallel Computing Tool Kit

3. OPERATING SYSTEMS

Windows 98, win 2000, win XP, win 7, win Vista, Linux

4. WORD PROCESSING PACKAGES

Office 2000, Professional Office 2003, Office XP.

Power Back Up

UPS for 1 hour back up	
20 KVA UPS	01
10 KVA UPS	03
6 KVA UPS	02
5 KVA UPS	02
Generator Set 63 KVA	01

9.2 WORKSHOP

The central Workshop comprises of the following fully equipped shops:-

- Machine Shop
- Fitting Shop
- Electrical Shop
- Welding Shop
- Pattern Making Shop
- Foundry Shop
- Production Technology Lab.
- Advance Manufacturing System Lab.

The Central Workshop imparts training to all First & Second semester students and Third and Fourth semester students of Mechanical Engineering as well as Industrial Engineering & Management Disciplines. Third year students are given projects involving work in the shops and the Fourth year students undergo specialized training in manufacturing processes. The Final year and Postgraduate students in the discipline utilize the facilities of Workshop in connection with their project and dissertations. Facilities exist for manufacture of components, parts and repair jobs.

9.3 LIBRARY

Institute has a very spacious Library with good collection of documents. It includes text and reference books, videocassettes, CD-ROMs and large number of Print & On-Line Journals. The Library has reading facilities for 500 readers at

a time and sufficient space for stacking of documents, Digital Library and Audio-Visual Centre. The total area of library is 36711 square feet.

STOCK

Stock Books	As on 31.3.2012	Added during 1.4.2012 to 31.03.2013	Total as on 31.3.2013
Library	50893	1017	51910
Book Bank	89576	2278	91854
Total	140469	3295	143764
Other Documents			
Back Sets	7096	01	7097
Standard	9979	118	10097
CDs/Video Cassettes	1284	•	1284
e-Books	6987	820	7807
Thesis	1987	1328	3315
Grand Total	167802	5562	173364

CURRENT JOURNALS

Online journals Print journals		4500 120	+
Number of journals subscribed			
	International		13
	National		95
	*** ~		

Gratis : <u>10</u> Total : <u>118</u>

EXPENDITURE (2012-2013)

Books	Rs. 14,45,865-00	
Journals, e-resources and	Rs. 84,87,433-00	
Newspaper & Magazine		
Computer Peripherals &	Rs. 22,29,967-00	
Furniture		
Library Supply	Rs. 28,816-00	
Library Binding	Rs. 39,386-00	
Maintenance of Computer	Rs. 42,291-00	
Material and Service Charges for Electro Copier	Rs. 37,156-00	

INDEST Consortium-Digital Library

The NITK Library is a core member of Indian National Digital Library in Engineering Science and Technology (INDEST) Consortium set up by MHRD. Approximately 4500+ e-resources are subscribed/provided through the Consortium. To access online resources in the institute premises, the library is providing services through internally maintained web server. All these resources/e-journals can be accessed through library intranet site http://172.16.0.52. The site provides the direct links to the following Electronic Resources:

Sr.	Electronic	URL	
No.	Resources		
Subsc	ribed through INDEST (Consortium	
1.	ACM	http://portal.acm.org/dl.cfm/	
2.	ASCE	www.pubs.asce.org/journals/jrns.ht	
3.	ASME	www.asme.org/pubs/journals/	
4.	Springer	www.link.springer.de/	
5.	IEL/IEEE	www.ieeexplore.ieee.org/	
6.	Nature	http:/www.nature.com/	
7.	Indian Standards	Intranet Version	
8.	Annual Reviews	http:/www.annualreviews.org/	
9	JSTOR	http://www.jstor.org/	
584	tly subscribed by the In		
10.	Science Direct (Five package)	www.sciencedirect.com/	
11.	ASTM Journals + Standards	http://journalsip.astm.org/	
12.	Springer Back Files (Engg.&Comp.Scien ce)	www.link.springer.de/	
13.	Science Direct Back Files (Engg.&Comp.Scien ce)	www.sciencedirect.com/	
14.	LNCS	www.link.springer.de/	
15.	Taylor & Francis	http://journalsonline.tandf.co.uk/	
16.	Emerald	http://www.emeraldinsight.com/info/	
		products_services/AtoZList.jsp	
17.	CUP: Science &	http://journals.cambridge.org/	
18.	OUP: Physical Sciences	http://oxfordjournals.org	
19.	IBID	http://www.ibid.informindia.co.in	
40.	Addition		

21.	BS in Civil Engg.	Intranet Version
22.	Wiley (2008 only)	http://onlinelibrary.wiley.com/journal

Users can also visit the site directly for search of Journals, Proceedings of Conferences, Standards, articles etc. covered under respective Electronic Resources.

LIBRARY AUTOMATION & DATABASE FOR LIBRARY:

Library is providing automated services in all sections of the Library using LIBSYS Software. Database of the Library is updated regularly and Readers can search the documents and access the database in the Institute through Web-OPAC (Online Public Access Catalogue), available through Library intranet Site http://172.16.0.52

All the books are bar-coded and members are also given bar-coded membership card for smooth circulation of documents in the Library.

SELF LEARNING RESOURCES/NPTEL

The Library has procured NPTEL web & video courses, educational video cassettes/ CDs/ Floppies prepared by IITs and other agencies for self-learning covering various areas of knowledge. A separate Audio-Visual Centre has been set up to promote the use of such non-book material.

The Library has a CD/DVD/NAS Server with 4TB (4000 MB) capacity and 40 computers. The server is capable to catch 1500-2000 CD/DVDs at a time. All the CDs received with books and magazines are loaded on the server. The Information loaded on the server can be accessed by students, faculty members and other readers through network.

UTILIZATION (USE OF LIBRARY)

Number of books issued during 2012-2013 : 191173 Number of visitors during 2012-2013 : 468720 Total No. of Membership during 2012-2013 : 5865

BOOK BANK

The Institute has a strong Book Bank collection, which caters to the needs of all the students for all the semesters including MBA & MCA. SC/ST students are given priority for issue of books. They are given 8 books for a semester without any charges. General category students are given 5 books for a semester without any fee and they can get five additional books against payment of Rs. 30/- per Book for a full semester.

The facility of Book-Bank is also extended to M.Tech. students. They can get the books issued for full semester against payment of Rs. 30/- per book.

REPROGRAPHIC SERVICES

A contractor is appointed to provide the Reprographic Services to the readers. Reproduction from books, periodicals & other materials is provided @50 paisa per copy.

BINDING

The Library has its own bindery. It is equipped with cutting, stitching, spiral binding and Lamination machines. During the period under report, it bound and repaired 5836 Books, Institute reports and other binding works of the departments.

9.4 LABORATORIES

CIVIL ENGINEERING DEPARTMENT

- Soil Mechanics
- Foundation Engineering
- Rock Mechanics
- Structural Engineering
- Concrete Technology
- Fluid Mechanics
- Irrigation Engineering
- Surveying
- Highway Engineering
- Public Health Engineering
- Geology
- Departmental Computer Centre

COMPUTER ENGINEERING DEPARTMENT

- Application & System Software Lab.
- Computer Networks Lab.
- Software Engineering & Web Engineering Lab.
- Computer Hardware & Trouble Shooting Lab.
- Thin Client Lab.
- Mobile Computing Lab.
- Wireless & Sensor Network Lab.
- Project Lab.

ELECTRICAL ENGINEERING DEPARTMENT

- Machines and Drives Lab.
- Power Systems Lab.
- Basic Electrical Engg. & Measurements Lab.
- High Voltage Engg. Lab.
- Control Systems & Reliability Engg. Lab.
- Power Electronics Lab.
- Computer Systems Lab.
- Microprocessor Lab.
- Instrumentation Lab.
- Signal and DSP Lab.
- Analog & Digital Electronics Lab.
- CAD Lab.
- Electrical Workshop

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

- Computer Centre
- Basic Electronics Laboratory
- Advanced Electronics Laboratory
- VLSI Design (PG) Laboratory
- VLSI Design (UG) Laboratory
- DSP Laboratory
- Computing and Simulation Laboratory
- Communication Laboratory
- Microwave Laboratory
- Wireless Communication (PG) Lab.
- Microprocessor Laboratory
- Internet Application Laboratory
- Audio-Visual Laboratory

MECHANICAL ENGINEERING DEPARTMENT

- Applied Mechanics Lab.
- Strength of Materials Lab
- Dynamics of Machines Laboratory
- Vibration Lab.
- IC Engine Lab.
- Boilers & Stream Engine Lab.
- Refrigeration & Air Conditioning Lab.
- Energy Engineering Lab.
- Computer and Automation Centre
- Mechanical Measurements Lab.

- Heat Transfer Lab.
- Industrial Engineering Lab.
- Machine Tool Technology Lab.
- Metreology Lab.
- Advanced Welding Lab.
- CAD/CAM Lab.
- Hydraulic Machines Lab.
- Machine Vision Lab.
- Mechatronics Lab.
- Advance Manufacturing Technology Lab.
- Computational Fluid Dynamics Lab.
- Tribology Lab.
- Stress Analysis Lab.
- Design and Manufacturing Integration Lab.

PHYSICS DEPARTMENT

- Undergraduate laboratory for experiments in Heat, Light, Sound, electricity and magnetism, Atomic Physics and Solid State Physics
- Postgraduate laboratory in Instrumentation
- Postgraduate Laboratory in Nanotechnology
- Research laboratory
- Highly sophisticated Instrumentation Lab (AFM, SEM, XRD, XRF)

CHEMISTRY DEPARTMENT

- Undergraduate Laboratory for qualitative and quantitative analyses of the sample salts, quantitative etc.
- Inorganic and Organic Research Lab.
- Spectral Lab for light scattering, Polarography, IR Spectra, FTIR,
 Spectrophotometer Experiments and Research Work

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT

- Computer Lab.
- Language Lab.

9.5 HOSPITAL, BANK, POST OFFICE, SHOPPING CENTRE

HOSPITAL

Institute has a Health Centre and all students are provided medical aid at this center within the available resources. The Health Centre has a Senior

Medical Officer (SMO), a Dental Surgeon (Part-time) and supporting staff. Health Centre is equipped with X-ray machine, E.C.G. machine, dental facilities and good laboratory for routine tests. Serious medical cases are sent to the LNJP (Civil) Hospital in Kurukshetra.

Whenever a student falls ill, he/she reports and seeks advice/medical aid from SMO without delay. Students are advised not to seek treatment from unauthorized medical practitioners.

Students are advised to approach LNJP (Govt. Civil Hospital) in case of Emergency. They are advised to bring Mosquito Net and the Mosquito repellant to prevent themselves from malaria fever. Further, they are advised to maintain cleanliness and proper hygienic atmosphere in their surroundings.

BANK AND POST OFFICE

To facilitate all financial transactions, a fully computerized branch of the State Bank of India functions in the Institute premises.

For the convenience of the students a Post-Office is operating in shopping complex. It provides Saving Bank facility plus provisions for Money Orders, Postal Orders, Postage, etc.

SHOPPING CENTRE

The Institute has a Shopping Centre equipped with all the basic commodities of the human beings for the residents of the Campus as well as for the hostel students.

9.6 PHYSICAL FACILITIES

Gymnasium Centre has been provided for health upkeep of students and staff members. It is fitted with the latest and state of the art equipments for different physical exercises.

9.7 GAMES & SPORTS FACILITIES

Extensive and well laid out fields for sports and games are available on the campus for the students. Badminton courts, Tennis courts with Chain Link Iron mesh around the courts, Cricket Pitch, Volleyball courts with Light and with Chain Link Iron mesh encloser and basketball and a stadium facilities are available to the students. Trained sports personnel help the students to develop their interest in games and coach them to acceptable standards.

9.8 OTHER FACILITIES LIKE HOSTELS, MESSES, STAFF QUARTERS, ADMINISTRATION ETC.

a) MANAGEMENT OF HOSTELS

The Institute has 10 boys' and 3 girls' hostels. Three boys hostels for B.Tech. students with a capacity of 250 each are three seaters and two boys' hostels for B.Tech. students with a capacity of 250 each are single seaters, two boys' hostels for B.Tech. students with a capacity of 350 seats each, two boys' hostels for P.G. students/research scholars with a capacity of 150 seats and 350 seats are single seaters. Recently, the Institute has constructed one Mega boys' hostel with a capacity of 1000 seats to cope up the increased strength of B.Tech. and M.Tech. students. Three Girls' hostels are with capacity of 120 seats, 200 seats & 300 seats. There are single, double and triple seated rooms in these hostels.

MESSES

In each hostel, Mess is run on co-operative basis with the assistance of the students in the form of a Mess Committee under the overall supervision of an MMCA, Clerks & Wardens. Membership of the mess is compulsory for all students residing in the hostel. Meals are served in the dining hall only during the hours fixed by the Warden. In no case should the students ask the mess staff to serve meals outside the dining hall. The students need to come in proper dress in the dinning hall. The students are supposed not to disturb the seating arrangements in the dining hall. Manhandling or abusing the mess staff under any circumstances is considered a gross breach of discipline inviting strict disciplinary action. Mess utensils etc. are not permitted to be taken out of the dining hall by the students. Rebates from the mess for not taking food are governed by the Rebate Rules which are revised from time to time.

b) STAFF QUARTERS

Category	Type of House	No. of Houses
A	Director's	01
В	BA-Type	06
	BB-Type	16
	BC-Type	06
C	CA-Type	13
	CB-Type	09
	AD-Type (AD-1,2,3,4)	04
	CC-Type	12
	AD-Type (AD-5,6)	02
	DA-Type	15
D	DB-Type	68
	Teacher's Flats (now	24
	Faculty House)	
E	E-Type	24

F	F-Type	78
G	G-Type	92

ALLOTMENT

The quarters are allotted to the employees on the basis of seniority. Two committees (Teaching and Non-Teaching) have been constituted for the allotment of House as per the availability of the quarters on the request of employees.

c) CONFERENCE FACILITY

NITK has a state-of-the-art Senate Hall. It is an aesthetically designed and conveniently located conference facility. It is constructed on a raft foundation and RCC frame structure, incorporating earthquake resistant features. The unique architecture of the building depicts a combination of round and linear structure with a polycarbonate dome on the top. The Senate Hall makes the Institute well-equipped to hold conferences, seminars, workshops etc. All Lectures given by the Guest Faculty and Corporate Managers are arranged here. The Training & Placement Cell is also housed on the first floor.

d) STUDENT ACTIVITY CENTRE

Student Activity Centre provides facilities and the right environment to develop extra curricular skills among the students in addition to the academic knowledge rendered by the Institute. SAC has all the resources to help the students, pursue interests in various cultural activities. The following clubs are functioning under the SAC:

- 1. Music & Dance
- 2. Dramatics
- 3. Fine arts
- 4. Modeling
- 5. Literary & Debating
- 6. Photography
- 7. AVA
- 8. SPIC-MACAY
- 9. Hiking & Trekking

Inter hostels and inter Institute competitions are organized to inculcate the spirit of healthy competitions. In addition to this, National level cultural festival is organized every year. Students are also encouraged to compete in cultural activities with other technical Institutes. A talent show is organized ever year to identify talent lying hidden among the first year students.

All these activities are organized by a committee of Secretaries of the Club and Faculty Incharge of various clubs under the overall guidance and supervision of President (Clubs).

e) NATIONAL CADET CORPS

National Cadet Corps is a vibrant youth organization which has made a commendable contribution in producing responsible and patriotic citizens of India. From a small beginning, today it has grown to the largest youth movement motivating and training the upcoming generations to render their meaningful contribution towards national integration and development.

The Institute has NCC Army Wing unit which has a sanctioned strength of 54 cadets. Enrolment to NCC is voluntary and is done on "First Come First Served" basis. NCC credo-unity and discipline is truly symbolic of the organization and NCC cadets of the Institute, dedicated to this motto, participate in the various activities of NCC which are Basic Training, Adventurous Activities, Social Service Activities, NCC Camps etc.

f) NATIONAL SERVICE SCHEME

NSS was started in the Institute with the overall objective of motivating students to do service to the community while going through their studies. The primary aim of the scheme is to enable the students to upgrade their personality through community service. Its end is the improvement in personality while service to the community is a means through which it is achieved. In the scheme, students get opportunity to work with the people around the educational campus creatively and constructively. Its also imbibes the dignity of labour in them. An Advisory Body comprising of teachers and students manages the affairs of two units of NSS. The agenda of activities other than routine activities is proposed and co-organized by the Kurukshetra University, Kurukshetra.

g) INSTITUTE MAGAZINE

The students bring out an annual Magazine, "THE HELIOS", in which technical and literary articles contributed by students are published in both English and Hindi. The Editorial Board also organizes various competitive activities like creative writing, cartooning, photography etc. so as to nurture creative talents among students of Institute.

h) NITK ALUMNI ASSOCIATION

There is an Alumni Association to which all those who have passed an approved course of study from this Institute and members of teaching staff who have three years stay in the Institute are eligible to become members on payment of subscription.

The Association strives to develop and promote a feeling of fraternity amongst the old students, the present students and members of the teaching staff of the Institute.

It maintains a record of all its members and keeps them informed of the activities and progress of this Institute through a newsletter and arranging gettogethers from time to time.

The Alumni Association also awards a scholarship of the value of Rs. 2400/- per annum to deserving candidates.

10.0 NOTABLE ACHIEVEMENTS

10.1 PAST ACHIEVEMENTS

- 1. Students placement was almost 100% for the academic year 2000-2001. Students are preferred by most of the private/Govt. companies because of their excellent technical and personnel skills.
- 2. Institute was awarded International Standard Organization (ISO) 9002 Certificate in February, 2001. This certificate was awarded by the Govt. of India, Ministry of Information Technology, for the departments of Electronics & Communication as well as Computer Engineering.
- 3. Indian Society for Technical Education awarded a certificate of achievements i.e. Best Students Chapter to the College for the year 2000 amongst the Student Chapters in Rajasthan and Haryana Section.
- 4. Institute was conferred the status of Deemed University by the Government of India w.e.f. 26.6.2002. Consequent upon upgradation of REC Kurukshetra to National Institute of Technology, Kurukshetra with Deemed University status w.e.f. 26.6.2002, Institute became independent in every respect relating to academic work such as exams, evaluation of answer-sheets, declaration of results and other allied matters.
- 5. Technical Education Quality Improvement Programme(TEQIP), funded by World Bank, aims to upscale the on-going initiatives of GOI to enhance efficiency and dynamism in technical education. It was launched by MHRD as a Rs. 1550 crore programme during 10th Plan. Haryana is one of the six states which was selected to participate in the first cycle of the first phase of the programme, based on their commitment and preparedness for the project. The agreements were signed in February 2003 between GOI, the six participating states and World Bank.
- 6. Central Government has taken over full administrative and financial control of this Institute w.e.f. 14.5.2003. The plan and non-plan expenditure of

the Institute are being borne entirely by the Central Government from the financial year 2003-04 onwards.

- 7. National Board of Accreditation (NBA) has accredited our four Undergraduate Degree Level Programmes in Engineering and Technology such as Electronics & Communication Engineering, Mechanical Engineering, Electrical Engineering and Civil Engineering for five years w.e.f. 19.3.2004 on the basis of current standard maintained by Institute for the Academic Excellence.
- 8. Institute has signed Memorandum of Understanding with the Govt. of India, Department of Secondary & Higher Education, Ministry of Human Resource Development, New Delhi on 1.12.2003 for the years 2003-08, consenting on the commitments and targets formulated by the Ministry for the said period.
- 9. As per directions of the MHRD and the initiative of the Director, a 20-year roadmap for the Institute was prepared. A committee was constituted to set the goals and draw up the roadmap. It was felt that Institute needs to be prepared to face the challenges of the future. Rapid advances in the field of engineering and technology necessitated commencement of new courses in emerging areas and initiatives to facilitate enhanced research. This, in turn, called for upgradation of facilities and strengthening of faculty and staff.
- 10. Institute entered into an agreement of cooperation with Tata Consultancy Services Ltd. for providing Software Engineering Training to the selected students of TCS, without any financial liability on the part of the Institute. The classes for the said training were held after Institute working hours/week-ends. However, TCS made some payments to the Institute, faculty and the students towards providing training to the selected students of TCS. The relationship is committed for 3 consecutive academic years starting from Academic year 2005-06. The agreement can be renewed after three years, based on mutual agreement.
- 11. Senate of Institute in its 5th meeting held on 14.1.2006 decided to change the name of Department of Humanities to Department of Humanities and Social Sciences. The decision of the Senate was ratified by Board of Governors in its 9th meeting held on 25.2.2006. In view of this decision, name of Department of Humanities is hereby changed to Department of Humanities and Social sciences.
- 12. Institute, since its inception, received electricity supply from State Electricity Board (UHBVN) through L.T. connections. With expansion in infrastructure, electric load of Institute increased manifold and UHBVN refused to release further LT connections. UHBVN was ready to provide bulk electricity supply through HT connections. For this purpose, Institute took initiation for the installation of HT/LT sub station in the Institute. Board of Governors in its

6th meeting has approved the installation of HT/LT sub station in the Institute to fulfil the increasing Electricity needs of the Institute. The Govt. of India also released Rs. 100.00 lacs to initiate the work.

- 13. In order to automate/computerize the activities of various sections/branches/departments of Institute as an integrated system (Decision Support System), Institute has entered into an agreement with Master's Software, Nagpur. A committee has also been constituted to check all the activities of the DSS and observe the lacuna in the proper coordination of the system. The said company is providing training and knowledge to the staff of the Institute with regard to the automation system.
- 14. A special initiation has been taken by the Institute for the development of research activities in the Institute to boost the status of the Institute equivalent to IIT.
- 15. As per directions of HRD Ministry, Institute has started its Website in the Institute. In order to strengthen the Institute Website and to make it more user friendly, informative and presentable, a committee has also been constituted for the website development, information uploading, maintaining, proper vetting and scrutiny.
- 16. Institute was actively engaged in providing the consultancy services to various Govts., Semi-Govts. and Private organizations. During the period from 1.4.07 to 31.3.08, one thousand five hundred ninety one (1591) consultancy jobs were finalized by the Institute and earned around Rs. 156.39 lacs as consultancy fees.
- 17. The first year of the 20-year Road Map- 2006 was a bold initiative by way of increased intake and new courses. The Ministry of Human Resources Development approved the following new courses for PG and UG Programme with an intake mentioned against each from the session 2006-07 in addition to enhancing the existing intake of some courses:-

UNDERGRADUATE COURSES - B.TECH. DEGREE COURSES

Courses of study were offered in the following disciplines:

Discipline	No. of seats
Civil Engineering	139
Electrical Engineering	139
Mechanical Engineering	139
Electronics & Communication Engineering	g 139
Computer Engineering	92
Industrial Engg. & Management	92
Information Technology	92
Total	832

Note: Dasa/NRI students can be admitted upto 15% over and above of the sanction strength of B.Tech. (i.e. 15% of 832)

POSTGRADUATE COURSES - M. TECH. DEGREE COURSES

Existing Courses

Discipline		N	o. of	seats			Specialization
	Open	SC	ST	OBC	PD	Total	
Civil Engineering	08	03	01	04	-	16	Structural Engineering
	08	03	01	04	01	17	Transportation Engg.
	09	02	01	05	01	18	Environmental Engg.
	08	03	01	04	-	16	Soil Mechanics & Foundation Engg.
	08	03	01	04	01	17	Water Resources Engg.
Electrical Engineering	08	03	01	04	-	16	Control System
	08	03	01	04	-	16	Power System
	08	03	01	04	-	16	Power Electronics & Drives
Electronics & Comm. Engg.	10	03	02	05	-	20	Electronics & Comm. Engg.
	09	02	02	06	01	20	VLSI Design
Physics	10	03	02	05	, :: <u>-</u>	20	Instrumentation
	09	02	02	06	01	20	Nano Technology
Mechanical Engg.	08	03	01	04	-	16	Industrial And Production Engg.
	08	03	01	04	01	17	Machine Design
	09	02	02	05	01	19	Thermal Engg.
Computer Engg.	1 0	02	01	06	01	20	Computer Engg.

The duration of each course is four semesters for regular students and five semesters for part-time students.

The Insitute made admissions directly in the academic session 2012-13 on (i) sponsored seats and (ii) seats available under TEQIP-II project. In addition direct admissions were also made for two new M.Tech. programmes. The number of seats available in each category for admission through this mode are given below:

(i) Sponsored and TEQIP-II seats:

Discipline	No. of seats TEQIP-II						Specialization
All Market Market	Open	sc	ST	ОВС	Spon- sored	Total	
Civil Engineering	01	01	-	01	05	08	Structural Engineering
	01	01	- Nerios	-	05	07	Transportation Engg.
		-	_	01	05	06	Environmental Engg.
	01	=	- 1	01	05	07	Soil Mechanics & Foundation Engg.
	01	n - sn Sv _o A	-	1	05	06	Water Resources Engg.
Electrical Engineering	02	01	-	01	05	09	Control System
	02	-	01	01	05	09	Power System
	02	01	-	01	05	09	Power Electronics & Drives
Electronics & Comm. Engg.	02	01	-	01	05	09	Electronics & Comm. Engg.
Participation of	06	01	02	03	05	17	VLSI Design
Physics	_	_	-	-	05	05	Instrumentation
	di	_	-	-	05	05	Nano Technology
Mechanical Engg.	02	01	-	01	05	09	Industrial And Production Engg.
	02	01	-	01	05	09	Machine Design
	02		01	01	05	09	Thermal Engg.
Computer Engg.	03	01	-	01	05	10	Computer Engg.
School of VLSI Design & Embedded System	-	-	-	-	05	05	Embedded System Design
School of Renewable Energy & Efficiency	-	-	-		05	05	Renewable Energy Systems

(ii) New M.Tech. Programmes:

Deptt./Sch	Deptt./School		No. of seats					Programme
		Open	SC	ST	OBC	PD	Total	
School of Design Embedded System	VLSI &	09	03	02	05	01	20	Embedded System Design
School Renewable Energy Efficiency	of &	09	03	02	05	01	20	Renewable Energy Systems

- 18. Responding to an increasing demand for Management Graduates in the country and keeping in line with its stated goal of regularly adding new courses, a self sustaining 2 years Course Master of Business Administration (MBA) was introduced in the Institute from the session 2006-07 with an intake of 60 students (presently 90 seats).
- 19. Institute has signed an MOU with Hewlett Packard India Software Operation Private Limited (HPISO). Accordingly, the Institute will involve its Computer & Electronics Engineering students in industry-oriented live project, thereby benefiting students, faculty and industry. This understanding came into effect in May 2006.
- 20. An MOU was signed between NITK, Institute for Sustainable Development and Research (ISDR), Mumbai and Muktainagar Taluka Education Society (MTES), Muktainagar, Maharastra, to actively support sustainable development, through R&D programs, at the national, regional and local levels. The MOU also envisages developing joint socio-economic development programs. Natural Disaster Management and Rehabilitation programs and ensuring appropriate co-operation and support for Government/NGO organized and assisted programs.
- 21. Institute organized a two-day workshop on Industry Institute Interaction (NWIII-2007) on February 19-20, 2007 at Hotel Shiwalikview Chandigarh, which was largely attended by the leading Industry and the academia. During the deliberations of the workshop, it was agreed upon to enter for a Memorandum of Understanding between NIT Kurukshetra and Altair Engineering India regarding setting up of a center of excellence in the field of Computer Aided Engineering (CAE) at NIT Kurukshetra for mutual benefits.
- 22. M/s Altair Engineering has agreed upon to supply the commercial version of the software worth 6.5 crore rupees at a concessional price of Rupees 20 lac plus taxes which includes AMC and upgradation to new versions for a period of three years for this center of excellence.

- 23. Students Placement record of our Institute is excellent all through. In the batch just passed out, all eligible students got good package jobs. Several students got two or three job offers. Further, MBA Department has provided both Summer and Final placements to all the students in National and International organizations like Pepsi, Coke, Ranbaxy, ICICI Lombard, Max New York, Canon, Vestas, IDBI, HSBC, Globus Infocom, Copal Partners, ACE Data Devices etc.
- 24. To make the Institute as a Centre of Excellence, the Institute has signed following Memorandum of Understandings (MOUs): -
 - With TCS and HP (India) to cooperate in making NIT Kurukshetra as a Centre of Excellence.
 - With Institute for Sustainable Development & Research (ISDR), India to actively support sustainable development, Natural Disaster Management and Rehabilitation programme.
 - With DST, Govt. of India under TIFAC Scheme to study technology gap in (a) Scientific Instruments Industry Cluster at Ambala; (b) Agricultural Implements Industry Cluster at Karnal.
 - With Altair Engineering, India regarding setting up a Centre of Excellence in the emerging field of Computer Aided Engineering (CAE) at NIT Kurukshetra in the year 2007.
 - With Agence Edufrance & n+i Engineering Institutes Netwok for academic collaboration.
- 25. NIT Kurukshetra has bench marked itself not only with Institutes of excellence in Country but also with International Institutions abroad. During November 2007, Institute signed an MOU with University of Concordia, Montreal, Canada, with the objective of promoting academic linkages. The Institute also received a French delegation representing various Universities and Institutes in France to explore the possibilities of collaborating in teaching and research.
- 26. As per the T-School Survey conducted by Data Quest IDC-NASSCOM, the Institute has been ranked at 18 in the Country.
- 27. Director of the Institute has been nominated for "Socrates International Award" in this year by Europe Business Assembly (United Kingdom).
- 28. One of the faculty members participated in the UN sponsored International Forum on Water & Food at Vientiane, Laos.

ACHIEVEMENTS DURING THE YEAR 2012-13 10.2

- For improvement in P.G. study and research, four new schools have 1. been approved in the Finance Committee as well as BOG meeting held on 12.3.2012 & 13.3.2012 respectively. Two schools, i.e. school of VLSI Design and Embedded Systems in Department of Electronics & Communication and school of Renewable Energy and Efficiency in Department of Electrical Engineering have been started in July 2012 in the Institute. Other two schools i.e. School of Material Science and Nano-technology in Physics Department and School of Bio-Medical Engineering in Electrical Engineering Department have been started in May 2013 in the Institute.
 - The following Construction works were finalized during the year 2. 2012-13:-
 - Construction of Mega Boys' Hostel of 1000 capacity at NIT 1) Kurukshetra.
 - Construction of Additional Block of Health Centre at NIT 2) Kurukshetra.
 - Construction of New Administrative Block at NIT Kurukshetra. 3)
 - Construction of graded seating arrangement for 2000 persons in 4) Open Air Theatre at NIT Kurukshetra.
- The following works are under progress: 3.
 - Construction of 20 Nos. Prof. & 20 Nos. Asstt. Prof. Multi Storeyed 1) Staff Housing at NIT Kurukshetra.
 - Construction of swimming pool at NIT Kurukshetra.
 - 2) Providing and installation of Electrical Sub-station HT/LT distribution including street lighting and feeder pillar etc. in Nonresidential area at NIT Kurukshetra.
 - Construction of Boundary Wall of Hostel No. 1 & 2 at NIT 4) Kurukshetra.
 - Widening of Institute Road from Kirmich Road Gate to Hostel No. 4 5) (approx. length of 400 meters) at NIT Kurukshetra.
 - Replacement of ACC sheets with Zincalume sheets & renovation of 6) water channel in central/old Workshop at NIT Kurukshetra.
 - Construction of 2 Nos. parkings at NIT Kurukshetra.
 - 8) i) Recarpeting of roads from NIT gate (towards KUK gate) to Apollo Canteen chowk via NIT chowk at NIT Kurukshetra.
 - ii) Re-carpetting of road from main approach road of Guest House and around Guest House roads at NIT Kurukshetra.
 - Re-carpeting of road from Apollo Canteen to NIT gate via Mega Hostel and Hostel no. 7 & 8 at NIT Kurukshetra.
 - Re-carpeting of road from Apollo Canteen chowk to Y shape road via Open Air Theatre at NIT Kurukshetra.
- The network connections have been provided in the Institute campus under Phase-I and II project.

11.0 ANNEXURES

11.1 INSTITUTE'S (NIT) COUNCIL

The composition of the Members of the Council is as under:-

1.	Minister of Human Resource Development, Government of India	Chairman
2.	Secretary, Department of Secondary and Higher Education, Ministry of HRD, Government of India	Member
3.	Principal Adviser (Education Planning Commission)	Member
4.	Secretary, Deptt. Of Science & Technology, GOI	Member
5.	Director General, Council of Scientific & Industrial Research, Government of India	Member
6.	Secretary, Deptt. Of Biotechnology, Government of India.	Member
7.	Secretary, Atomic Energy, Government of India	Member
8.	Secretary, Deptt. of Information Technology, GOI	Member
9.	Secretary, Deptt. Of Space, Govt. of India.	Member
10.	Special Secretary/Addl. Secretary/ Educational Adviser(T), Department of Secondary & Higher Education, Ministry	Member
11.	Chairman, University Grants Commission	Member
12.	Chairman, All India Council of Technical Education	Member
13- 14	Two Chairmen, Board of Governors of National Institute of Technology (by rotation)	Members
15- 18	4 Directors of the National Institutes of technology (by rotation)	Members
19.	One Director of Indian Institute of Technology (by rotation)	Member
20.	One Director of Indian Institute of Management (by rotation)	Member
21- 22	Two Secretaries of Higher/Technical Education from states where NITs are located (by rotation)	Members
23-	Two persons from Industry nominated by the	Members
24	Central Government	MEHIDEIS
25.	Financial Adviser, MHRD, GOI	Member
26.	Joint Secretary, (Technical Education) Joint	Member-
20.	Educational Adviser (Technical Education), MHRD, GOI	Secretary

11.2 BOARD OF GOVERNORS

Sr.No.	Composition	Members
1.	Chairperson	Dr. A. Sivathanu Pillai Distinguished Scientist & Chief Controller (R&D), DRDO & CEO and MD, BrahMOS Aerospace 16, Cariappa Marg, Kirby Place Delhi Cantt., New Delhi
2.	Director- ex officio	Prof. Anand Mohan Director NIT Kurukshetra
3 & 4.	Two Nominee of Central Govt. (persons dealing with Technical Education & Finance)	Ms. Amita Sharma Additional Secretary (Tech.), Govt. of India, Ministry of Human Resource Development, Department of Higher Education, Shastri Bhawan, New Delhi Joint Secretary & Financial Advisor Integrated Finance Division Govt. of India, Ministry of Human Resource Development Department of Higher Education, Shastri Bhawan, New Delhi
5 & 6	Two Nominee of State Govt.(Techno- logists or industrialists of repute)	Dr. Chandra Shekhar Director Central Electronics Engg. Research Institute Pillani (Rajasthan)
7 & 8	Two persons having special knowledge in respect of education, engg. or science	Prof. (Ms.) Sneh Anand Professor & Head Centre for Biomedical Engineering Indian Institute of Technology Hauz Khas Delhi Prof. M.K. Surappa Director or his nominee Indian Institute of Technology Ropar (Punjab)
9.	One Professor of the Institute	Prof. S.K. Sharma, Professor, Mech. Engg. Department, NIT Kurukshetra

10.	One Associate	Sh. Umesh Ghanekar
	Prof. of the	Associate Professor
	Institute	Electronics & Comm. Engg. Deptt., NIT Kurukshetra
11.	Secretary	Sh. G. R. Samantary Registrar Incharge
		NIT Kurukshetra.

11.3 FINANCE, BUILDING AND WORKS AND OTHER COMMITTEES

FINANCE COMMITTEE

Sr.No.	Composition	Members
1.	Chairperson,	Dr. A. Sivathanu Pillai
	Board of	Hon'ble Chairperson,
	Governors,	Finance Committee,
	Ex-officio	NIT Kurukshetra
2	Director-ex	Prof. Anand Mohan
	officio	Director,
		NIT Kurukshetra
3 & 4	Joint Secretary	Joint Secretary (Tech.)
	dealing with	Government of India,
	NIT and	Ministry of Human Resource
	Financial	Development,
	Advisor (HRD)	Department of Higher Education,
		Shastri Bhawan,
	Section 1	New Delhi.
1	THE REAL PROPERTY.	
		Financial Advisor (IFD)
		Government of India
		Ministry of Human Resource
		Development,
		Department of Higher Education,
	The Marine Street	Shastri Bhawan
THE STATE OF		New Delhi
5.	Two persons	Prof. (Ms.) Sneh Anand
	nominated by	Professor & Head
	the Board	Centre for Biomedical Engineering
		Indian Institute of Technology
	Na Paris Surinyinuu	Delhi
		Prof. M.K. Surappa
		Director
		Indian Institute of Technology
		Ropar, Punjab

6.	Ex-Officio	Registrar Incharge
	Member-	National Institute of Technology
112	Secretary	Kurukshetra

BUILDING & WORKS COMMITTEE

Sr.No.	Composition	Members
1.	Chairman	Prof. Anand Mohan
		Director,
		NIT Kurukshetra
2.	One person	Sh. Rajesh Singh
	nominated by the	Dy. Secretary (NITs)
	Central	Deptt. of Higher Education
	Government not	MHRD, Shastri Bhawan
	below the rank of	New Delhi-110001
	Director or Deputy	
	Secretary	
3.	One person	Prof. S.K. Sharma
	nominated by the	Prof. Mechanical Engg. Deptt.
	Board of	National Institute of Technology
	Governors	Kurukshetra
4.	Dean, Planning &	Dr. V.K. Arora,
	Development	Dean (Planning & Development),
24 (4) (1) (4)		NIT Kurukshetra.
5.	One expert from	Er. Iqbal singh
	Civil Engineering	Executive Engineer (Civil)
	Wing of the	Karnal Central Division, CPWD
	Central or State	Karnal
	Government or	
	any autonomous	
	body of repute	
6.	One expert from	Er. Surender Singh
	Electrical	Superintending Engineer (Electrical),
	Engineering Wing	Chandigarh Electrical Central Circle,
	of the Central or	CPWD, Chandigarh.
	State Government	
	or any	
- N	autonomous body	
ar S	of repute	
7.	Special Invitee	Dr. K.K. Singh
1 6 8 7 7		Dean (Estate)
	VAPACQUIN VAING WELLS	NIT Kurukshetra
	a to year though the	Dr. Ashwani Jain
W. St.		Prof. In-charge (Estate & Const.)
		NIT Kurukshetra

		Dr. Ashwani Kumar Prof. I/C (EM) NIT Kurukshetra	1 118
		Executive Engineer, Construction Cell NIT Kurukshetra	6; 175
**		Sh. S.N. Kaushik Asstt. Engineer (Civil) NIT Kurukshetra	
8.	Member-Secretary	Sh. G.R. Samantaray Registrar In-Charge NIT Kurukshetra	

SENATE

Sr.No.	Composition	Members
1.	Ex-Officio	Prof. Anand Mohan
	Chairman	Director,
	Manual Control	NIT Kurukshetra
2,3 &	Three	Dr. Chandra Shekhar
4	Educationists	Director
	of repute	Central Electronics Engg. Research
		Institute (CEERI)
		Pilani (Raj.)
		Prof. (Ms.) Shashikala Achyut Gangal
		ISRO Chair Professor
		Deptt. of Electronics Science
		University of Pune
	The Park of the State of the St	Pune
		Prof. Rajendra Rai
		Head of the Department
		Deptt. of Economics
	THE RESERVE	Faculty of Social Sciences
		Banaras Hindu University
7 × ×		Varanasi
5.	All Professors	Dr. V.K. Arora
	and such	Professor & Dean (P&D),
	other	Civil Engg. Department
	members of the staff	NIT Kurukshetra
	The second second	Dr. V.K Sehgal
	William Committee of	Professor & Dean (Faculty Welfare),
		Civil Engg. Department,
		NIT Kurukshetra

Dr. S.K. Sharma Professor & Dean (Students' Welfare), Mechanical Engg. Deptt., NIT Kurukshetra

Dr. A.K.Gupta Professor & Dean (Academic), Electronics & Comm. Engg.Deptt. NIT Kurukshetra

Dr. A. Swarup
Professor & Dean (R & C),
Electrical Engg.Deptt.
NIT Kurukshetra
Dr. Brahamjit Singh
Professor
ECE Department
NIT Kurukshetra

Dr. (Ms.) Minati Baral, Professor & Head, Chemistry Department, NIT Kurukshetra.

Dr. D.K. Soni Professor & Head, Civil Engg. Deptt. NIT Kurukshetra

Dr. N.K. Gupta Professor, Civil Engg. Deptt. NIT Kurukshetra

Dr. S.S. Rattan Professor, Mechanical Engg.Deptt., NIT Kurukshetra

Dr. K.S. Sandhu Professor, Electrical Engg.Deptt., NIT Kurukshetra

Dr. Sudhir Kumar Professor, Mechanical Engg.Deptt., NIT Kurukshetra Dr. Baldev Setia Professor, Civil Engg. Deptt., NIT Kurukshetra

Dr. Rajender Kumar Professor & Head, Department of Humanities & Social Sciences, NIT Kurukshetra

Dr. S.K. Madan, Professor, Civil Engg. Deptt. NIT Kurukshetra

Dr. H.K. Sharma, Professor, Civil Engg. Deptt. NIT Kurukshetra

Dr. Lillie Dewan, Professor & Head, Electrical Engg. Deptt. NIT Kurukshetra

Dr. S.N. Sachdeva, Professor, Civil Engg. Deptt. NIT Kurukshetra

Dr. Dixit Garg, Professor, Mechanical Engg. Deptt., NIT Kurukshetra

Dr. P.J. Philip, Professor, Humanities & Social Science, NIT Kurukshetra

Dr. J.K. Quamara, Professor, Physics Deptt., NIT Kurukshetra 1-15%

Dr. Surjit Angra Professor, Mechanical Engg. Deptt., NIT Kurukshetra

Dr. R.S. Bhatia Professor, Electrical Engg. Deptt. NIT Kurukshetra

Dr. G.L. Pahuja Professor, Electrical Engg. Deptt. NIT Kurukshetra

Dr. K.K. Singh Professor & Dean (Estate), Civil Engg. Deptt. NIT Kurukshetra

Dr. Subodh Ranjan Professor, Civil Engg. Deptt. NIT Kurukshetra

Dr. (Ms.) Ratna Dahiya Professor Electrical Engg. Deptt. NIT Kurukshetra

Dr. Anupam Mittal Professor, Civil Engg. Deptt. NIT Kurukshetra

Dr. Dinesh Khanduja Professor, Mech. Engg. Deptt. NIT Kurukshetra

Dr. R.K. Sharma Associate Professor, Electronics & Comm.Engg.Deptt. NIT Kurukshetra Dr. O.P. Sahu Professor & Head Electronics & Comm.Engg.Deptt. NIT Kurukshetra

Dr. S.M. Gupta Professor & COE Civil Engg. Deptt. NIT Kurukshetra

Dr. Arun Goel Professor Civil Engg. Deptt. NIT Kurukshetra

Dr. Dinesh Kumar Professor, Chemistry Deptt. NIT Kurukshetra

Dr. D.P. Singh Professor, Chemistry Deptt. NIT Kurukshetra

Dr. P.C. Tiwari Professor, Mech. Engg. Deptt. NIT Kurukshetra

Dr. L.M. Saini Professor & Prof. I/C (Acad.& Senate Affairs) Elect. Engg. Deptt. NIT Kurukshetra

Dr. Hari Singh Professor Mech. Engg. Deptt. NIT Kurukshetra

Dr. S.K. Patidar Professor Civil Engg. Deptt. NIT Kurukshetra

		Dr. Ashwani Jain Professor Civil Engg. Deptt. NIT Kurukshetra	
		Dr. Jitender Chhabra Associate Professor & Head Computer Engg. Deptt. NIT Kurukshetra	
		Dr. Paras Ram Associate Professor & Head Mathematics Deptt. NIT Kurukshetra	
6.	Member- Secretary	Sh. G.R. Samantray Registrar Incharge NIT, Kurukshetra	

11.4 RESEARCH PROJECTS AND CONSULTATION JOBS

The Government of India has been releasing grant under the head Schemes i.e. MODROB, R&D and Thrust Area. A large number of schemes have been sanctioned to the Institute and as on 31.3.2013, following schemes as per details given below were in operation:-

Sr. No.	Scheme & Principal Investigator	Grant Received + Interest or previous balace	Amount utilized	Balance on 31.3.2013
1.	Information Security Education Awareness Dr. A. Swarup	444065.00 155187.00	237286.00	361984.00
2.	Special man power Development programme Dr. A.K. Gupta	600000.00 506023.00	735906.00	370117.00
3.	Water Harvesting to curb ground water Dr. K.K. Singh	1250000.00 113308.00	1306551.00	56757.00
4.	Development of a Model for intelligent integration of process planning and scheduling for flexible systems in manufacturing for performance	140000.00 58416.00	1230397.00	228019.00
	improvement in evolving CIM environment Dr. Ajay Jain			
5.	In Silico Design & Modeling of some artificial allosteric system Dr. Minati Baral	100000.00 13483.00	84455.00	29028.00

6.	Design Coputational modeling & synthesis of some novel biominetic sidrophore analog Dr. Minati Baral	210143.00 86136.00	171942.00	124337.00
7.	Central for water resources mgmt. Dr.K.K.Singh	300000.00 44231.00	295961.00	48270.00
8.	Study of High- Energyhadron thearapyspace. Dr.Ashwani Kumar	350000.00 364094.00	297345.00	416749.00
9.	Synthesis & charactersition of Multinferroic Dr. Anurag Gaur	1064000.00 35828.00	795678.00	304150.00
10.	Estimation of Fertilizer induced Radioactivity in plants. Dr. R.P. Chauhan	187281.00	159879.00	27402.00
11.	Study of the factor affecting rundon level Dr. R.P. Chauhan	1399755.00	1044421.00	355334.00
12	Changing Water Cycle Dr. K.K. Singh	977400.00 16890.00	373912.00	620378.00
13	Ganga River Basin Environmental Manage- ment Plan (GRBEMP) Prof. S.K. Patidar	500000.00	154302.00	345698.00
14	Distribution System Markets Dr. Ashwani Kumar	1008000.00	381434.00	626566.00

CONSULTANCY SERVICES

The Institute is actively engaged in providing consultancy services to various Government, Semi-Government and Private Organizations. Efforts to diversify the areas pertaining to various disciplines are continuously being made so that more interaction could be ensured with the industries and various organizations. Number of faculty members taking up consultancy projects is considerably increased during the recent past.

During the period from 1.4.2012 to 31.3.2013, one thousand four hundred fifty four (1454) consultancy jobs involving consultancy fees around Rs. 339.89 lacs were sanctioned.

11.5 FACULTY POSITION AS ON 31.03.2013

Sr. No.	Name of the Post	Sanctioned	In position	Vacant	Pay Scale (Rs.)
1.	Director	01	01	-	75000+5000
Civ	il Engineering De	partment			
1.	Professors	06	16	-(10)	37400-67000+10000
2.	Asso.Professors	11	06	05	37400-67000+9000
3.	Asstt.Professors	22	04	18	15600-39100+6000

Ele	ectrical Engineerin	g Departme	nt		
1.	Professors	06	07	-(01)	37400-67000+10000
2.	Asso.Professors	12	09	03	37400-67000+9000
3.	Asstt.Professors	23	06	17	15600-39100+6000
Me	chanical Engineer	ing Departn	nent		
1.	Professors	06	07	-(01)	37400-67000+10000
2.	Asso.Professors	12	10	02	37400-67000+9000
3.	Asstt.Professors	24	07	17	15600-39100+6000
Ind	lustrial Engineerin	ng Departme	ent		
1.	Professors	02	01	01	37400-67000+10000
2.	Asso.Professors	04	01	03	37400-67000+9000
3.	Asstt.Professors	08	03	05	15600-39100+6000
Ele	ctronics & Comm.	Engineerin			
1.	Professors	06	04	02	37400-67000+10000
2.	Asso.Professors	12	02	10	37400-67000+9000
3.	Asstt.Professors	23	13	10	15600-39100+6000
000	mputer Engineerin			1 -	
1.	Professors	04	-	04	37400-67000+10000
2.	Asso.Professors	07	05	02	37400-67000+9000
3.	Asstt.Professors	15	02	13	15600-39100+6000
	ormation Technolo			1 10	100000000000000000000000000000000000000
1.	Professors	03		03	37400-67000+10000
2.	Asso.Professors	06	01	05	37400-67000+9000
3.	Asstt.Professors	11	05	06	15600-39100+6000
	sics Department			00	13000 33100 - 0000
1.	Professors	02	01	01	37400-67000+10000
2.	Asso.Professors	04	03	01	37400-67000+9000
3.	Asstt.Professors	09	02	07	15600-39100+6000
-	emistry Departmen		02	07	13000-33100+0000
1.	Professors	01	03	-(02)	37400-67000+10000
2.	Asso.Professors	02	01	01	37400-67000+1000
3.	Asstt.Professors	05	01	04	15600-39100+6000
	thematics Departm		01	04	13000-33100+0000
1.	Professors	01		01	37400-67000+10000
2.	Asso.Professors	03	01	02	37400-67000+9000
3.	Asstt.Professors	06	03	03	15600-39100+6000
_	manities and Socia				13000-33100+0000
l .	Professors	01	02		37400-67000+10000
2.	Asso.Professors	02	02	-(01)	37400-67000+9000
3.					
	Asstt.Professors	06		06	15600-39100+6000
	A Deptt. (Self Fina			00	27400 (7000 : 10000
1.	Professors	02	-	02	37400-67000+10000
2.	Asso.Professors	04		04	37400-67000+9000
3.	Asstt.Professors	08	=	08	15600-39100+6000

MC	A Deptt. (Self Finar	icing)			
1.	Professors	03		03	37400-67000+10000
2.	Asso.Professors	06	(valletie) = consex)	06	37400-67000+9000
3.	Asstt.Professors	10	-	10	15600-39100+6000
A S	Total	298	128	170	
Sui	mmary (Faculty Sta	ff)			
1.	Director	01	01		75000+5000
2.	Professors	43	41	02	37400-67000+10000
3.	Asso.Professors	85	41	44	37400-67000+9000
4.	Asstt.Professors	170	46	124	15600-39100+6000
	Total	298	128	170	

11.6 ADMINISTRATIVE AND OTHER STAFF

POSITION OF OFFICER CADRE STAFF AS ON 31.03.2013

Sr. No.	Name of the post	Sanctioned	In position	Excess/ Shortage	Pay Scale (Rs.) PB+GP
Regis	strar Office				
1	Registrar	01		01	37400- 67000+10000
Gene	ral Administration	Section		7.90	
1	Dy. Registrar	01	01		15600-39100+7600
Estal	blishment Section				
1	Asstt. Registrar	01	-	01	15600-39100+5400
Acco	unts Section				
1	Dy. Registrar	01	01	-	15600-39100+7600
2	Asstt. Registrar	01	A Marin Transport	01	15600-39100+5400
Acad	emic Section	· · · · · · · · · · · · · · · · · · ·	1.0		
1	Dy. Registrar	01		01	15600-39100+7600
Exan	ns Cell				
1	Asstt. Registrar	01	01		15600-39100+5400
Store	es Section	ive of the second			
1	Asstt. Registrar	01	01	- Late	15600-39100+5400
Heal	th Centre				
1	Sr. Medical Officer	01		01	15600-39100+7600
2	Medical Officer	03		03	15600-39100+5400
Libra	arv				
1	Librarian	01	01	-	37400-
					67000+10000
2	Assistant Librarian	01		01	15600-39100+6000
Spor	ts			The Wallston	
1	Sr. SAS Officer	01		01	15600-39100+8000
2	SAS Officer	02	•	02	15600-39100+6000

Secu	rity Section				
1	Security Officer	01		01	15600-39100+5400
Esta	te				
Offic	er Cadre				
1	Executive Engineer	01		01	15600-39100+6600
Worl	kshop	-13.0			
1	Pr. Technical Officer	01		01	15600-39100-7600
2	Sr. Technical Officer	01		01	15600-39100-6600
Cent	tre for Computing &	Networking			
1	Sr. Technical Officer	01	01		15600-39100+6600
Civi	l Engineering Depart	ment			
1	Technical Officer	01		01	15600-39100+5400
Com	puter Engineering D	epartment			
1	Sr. Technical Officer	01	01		15600-39100-6600
Info	rmation Technology				
1	Technical Officer	01		01	15600-39100+5400
Elec	trical Engineering De	epartment			
1	Technical Officer	01	01	-	15600-39100+5400
Elec	tronics and Comm. I	Engineering D	epartment		
1	Sr. Tech. Officer	01	01		15600-39100+6600
Mec	hanical Engineering	Department			
1	Technical Officer	01	01		15600-39100+5400
Phys	sics/Chemistry Depa	rtment			
1	Technical Officer	01	01	- T	15600-39100+5400
Com	puter Applications				
1	Technical Officer	01		01	15600-39100+5400
	Total	30	11	19	

Summary (Officer Cadre Staff)

Sr. No.	Name of the post	Sanctioned	In position	Vacant
1	Registrar	01		01
2	Dy. Registrar	03	02	01
3	Asstt. Registrar	04	02	02
4	Librarian	01	01	_
5	Asstt. Librarian	01		01
6	Sr. SAS Officer	01		01
7	SAS Officer	02		02
8	Sr. Medical Officer	01		01

9	Medical Officer	03		03
10	Security Officer	01		01
11	Pr. Technical Officer	01		01
12	Sr. Technical Officer	04	02	02
13	Technical Officer	06	04	02
14	Executive Engineer	01	nasania Boid K Communicati	01
	Total	30	11	19

POSITION OF TEACHING SUPPORTING STAFF AS ON 31.03.2013

Sr. No.	Name of the post	Sanctioned	In position	Vacant	Pay Scale (Rs.) PB+GP
Civil Engi	neering Depar	tment			
Group-B					
1	Supervisor	03	•	03	9300-34800 +4600
Group-C	Nether Entree of				
2	Senior Draftsman	01	•	01	9300-34800 +4200
3	Tech. Grade A	04	02	02	9300-34800 +4200
4	Tech. Grade B	03	01	02	5200-20200 +2400
5	Tracer	02	-	02	5200-20200 +2000
6	Lab. Attendant	10	04	06	5200-20200 +1900
Electrical	Engineering I	Department			
Group-B					
1	Supervisor	06	03	. 03	9300-34800 +4600
Group-C					
2	Senior Draftsman	01	•	01	9300-34800 +4200
3	Tech. Grade A	05	04	01	9300-34800 +4200
4	Tech. Grade B	01	01	-	5200-20200 +2400
5	Tracer	01		01	5200-20200 +2000
6	Lab. Attendant	04	04		5200-20200 +1900

Group-B					
1	Supervisor	04	01	03	9300-34800 +4600
Group-C					
2	Sr. Draftsman	01		01	9300-34800 +4200
3	Asstt. Draftsman	01	01	-	9300-34800 +4200
4	Tech. Grade A	04	02	02	9300-34800 +4200
5	Tech. Grade B	01	01		5200-20200 +2400
6	Tracer	01		01	5200-20200 +2000
7	Ferro- Machine Operator	02		02	5200-20200 +1900
8	Lab. Attendant	05	05		5200-20200 +1900
Electroni	cs and Comm. Er	ngineering	Department		
Group-B					ALPHOUGH TO STATE
1	Supervisor	04	03	01	9300-34800 +4600
Group-C					
2	Tech. Grade A	04	01	03	9300-34800 +4200
3	Tech. Grade B	03	02	01	5200-20200 +2400
4	System Attendant	02	01	01	5200-20200 +2400
5	Lab. Attendant	02	02) • 1 · • 1	5200-20200 +1900
Computer	Engineering Dep	artment			
Group-C			- 4 1 1 1 1 1		
1	Tech. Grade A	01	•	01	9300-34800 +4200
2	System Attendant	01	•	01	5200-20200 +2400
3	Lab. Attendant	02	01	01	5200-20200 +1900
Physics D	epartment				
Group-B					
		02	-	02	9300-34800
1	Supervisor				+4600
1 Group-C	Supervisor				+4600

	A				+4200
3	Tech. Grade B	01		01	5200-20200 +2400
4	Lab. Asstt.	01	01	- W-	5200-20200 +1900
5	Lab. Attendant	02	01	01	5200-20200 +1900
Chemistr	y Department				
Group-B					
1	Supervisor	01		01	9300- 34800+4600
Group-C					
2	Tech. Grade A	01		01	9300-34800 +4200
3	Lab Asstt.	01	01		5200-20200 +1900
4	Gas Man	01		01	5200-20200 +1900
5	Lab. Attendant	01	01		5200-20200 +1900
6	Gas Plant Helper	01	•	01	5200- 20200+1800
Workshop					
Group-B					
1	Supervisor	06	03	03	9300-34800 +4600
Group-C		English of	A GOVERNMENT		
2	Tech. Grade A	03	•	03	9300-34800 +4200
3	Tech. Grade B	10	09	01	5200-20200 +2400
4	Lab. Attendant	07	02	05	5200-20200 +1900

SUMMARY (TEACHING SUPPORTING STAFF)

Sr. No.	Name of the post	Sanctioned	In position	Vacant
Group-B				
1	Supervisor (Engg.)	23	. 10	13
	(Sciences)	03	<u>-</u>	03
Group-C				
2	Sr. Draftsman	03	-	03
3	Asstt. Draftsman	01	01	

4	Tech. Grade A	23	10	13
5	Tech. Grade B	19	14	05
6	Tracer	04	- 1	04
7	Ferro Machine Operator	02		02
8	Lab. Asstt.	02	02	-
9.	Gas Man	01		01
10	Lab. Attendant	33	20	13
11	System Attendant	03	01	02
12	Gas Plant Helper	01		01
Total		118	58	60

POSITION OF NON-TEACHING SUPPORTING STAFF AS ON 31.03.2013

Sr. No.	Name of the post	Sanctioned	In position	Vacant	Pay Scale (Rs.)
Administ	rative Officers/M	 Inistrial Staff		1	
Group-C					
1	Deputy Supdt.	08	02	06	9300-34800 +4200
2	Jr. Accountant	01	01		9300-34800 +4200
3	Head Cashier,	01	01		9300-34800 +4200
4	Cashier	01	01		9300-34800 +4200
5	Accounts Clerk	05	05		9300-34800 +4200
6	Assistant/MMC A	23	09	14	9300-34800 +4200
7	TOCR	02	01	01	9300-34800 +4200
8	Sr. Storekeeper	02	02		9300-34800 +4200
9	Sr. Stenographer	07	03	04	9300-34800 +4200
10	Jr. Stenographer	10	04	06	5200-20200 +2400
. 11	Jr. Storekeeper	07	01	06	5200-20200
					+1900
12	Clerks	36	22	14	5200-20200 +1900
13	Duplicating Machine Operator	01		01	5200-20200 +1900

14	Steno-Typist	02		02	5200-20200
15	Store-Munshi	01		0.1	+1900
15	Store-Munsm	01	the state of the state of	01	5200-20200
					+1900
16	Lady Resident	01	01	-	9300-34800
	Warden				+4200
17	Matron	01	01	-	5200-20200
					+1900
18	Driver	04	01	03	5200-20200
					+2400
19	Daftri	02		02	5200-20200
			T. 1985		+1800
20	Jamadar peon	01	01		5200-20200
					+1800
21	Cook-Cum-	01		01	5200-20200
	Chowkidar	01		01	+1800
22	Dafedar	01		01	
22	Daledar	01		01	5200-20200
00	0. 16.	0.1		0.1	+1800
23	Store Mate	01		01	5200-20200
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1, - <u>- 276</u>			+1800
24	Guest House	01		01	5200-20200
	Helper				+1800
25	Farash	05	÷ 1	05	5200-20200
				and the second second	+1800
26	Store Helper	01	01		5200-20200
			12 S. 11 S. 11 A. S. 11 L.		+1800
27	Groundsman	06	01	05	5200-20200
					+1800
28	Chowkidar	42	20	22	5200-20200
					+1800
29	Peon	27	12	15	5200-20200
	10011		12	10	+1800
30	Cleaner	02	CONTRACTOR OF THE	02	5200-20200
30	(Vehicle)	02		02	
31	Farash-Cum-	05	0.4	0.1	+1800
31		05	04	01	5200-20200
	Attendant		15 Carlotte - 15 G	Late and San	+1800
Library S	stair				Maria and the account
Group-C					Friedrich war
1	Sr. Lib.	02	-	02	9300-34800
	Assistant				+4200
2	Counter	03		03	9300-34800
	Assistant	A STATE			+4200
3	Restorer	04	02	02	5200-20200
					+1900
4	Book Binder	01	0.1	85.00 (B. 200)	5200-20200
The Latin					+1900
5	Xerox Machine	01	01	225 - L	5200-20200
	Operator	01		10 TO	+1900
6	Lib. Attendant	07	04	03	5200-20200
U	Dib. Attendant	07	04	03	
7	Classia	00	0.1	01	+1900
	Cleaner	02	01	01	5200-20200

		THE STATE	1015"/65		+1800
	Staff (Health Centre)				description of
Group-C					0000 01000
1.00	Pharmacist	02	02	-	9300-34800 +4200
2	Staff Nurse	01	01	•	9300-34800 +4200
3	Lab Technician	01	01	- 1140	5200-20200 +2800
4	Dresser	01	01	- 4	5200-20200 +1900
5	Female Attendant	01	-	01	5200-20200 +1800
6	Health Worker- Cum-Peon	01		01	5200-20200 +1800
Mainten	ance Staff (Estate)				
Group-C			Egglis and head		
1	Junior Engineer	04	01	03	9300-34800 +4200
2	Electrician	01		01	5200-20200 +2400
3	Plumber	01	- No. 11 1 5 7	01	5200-20200 +2400
4	Carpenter	01		01	5200-20200 +2400
5	Mason	01	-	01	5200-20200 +2400
6	Pump Driver	01	01	-	5200-20200 +2400
7	Fitter	01		01	5200-20200 +2400
8	Asstt. Pump Driver	05	04	01	5200-20200 +1900
9	Asstt. Fitter	01	-	01	5200-20200 +1800
10	T. Mate	01	-	01	5200- 20200+1800
11	Head Mali	01		01	5200- 20200+1800
12	Jamadar Sweeper	01	7-	01	5200- 20200+1800
13	Chowkidar – Cum-Mali	02	-	02	5200- 20200+1800
14	Sweeper	29	10	19	5200- 20200+1800
15	Sewerman	04	02	02	5200- 20200+1800
16	Mali	13	07	06	5200- 20200+1800

Workcharged-Made-Regular Staff. (Post Personal to them)

Group-C		Sanctioned	In Position	Pay Scale ((Rs.)
1	Painter	01	01	5200-20200 +1900
2	Plumber	01	01	5200-20200 +1900
3	Carpenter	03	03	5200-20200 +1900
4	Electrician	02	02	5200-20200 +1900
5	Mason	03	03	5200-20200 +1900
6	Beldar	05	05	5200- 20200+1800
7	Mali	01	01	5200- 20200+1800

SUMMARY (NON-TEACHING STAFF)

	Sanctioned	In position	Vacant
Administrative	/Ministry Staff		
Group-C	208	94	114
Library Staff			
Group-C	20	09	11
Medical Staff			
Group-C	07	05	02
Maintenance	Staff (Estate)		
Group-C	67	25	42
Workcharged-	Made-Regular Staff.	(Post personal to the	em)
Group-C	16	16	
Total	318	149	169

SUMMARY

Sr. No.	Sanctioned	In position	Vacant
Teaching Sta	off .		
Group-A	298	128	170
Officer Cadro			The state of the s
Group-A	30	11	19
Teaching Su	pporting Staff		
Group-B	26	10	16
Group-C	92	48	44
Non Teachin	g Staff		
Group-C	318	149	169
Grand Total	764	346	418

11.7 STAFF MEMBERS DEPUTED/SPONSORED FOR TRAINING, LEARNING

Sr.No.	Name of faculty & Designation	Area of Training	Venue	Duration of Training
1.	Prof. Brahmjit Singh, Professor	Short Course on Wireless Sensor Networks: From Theory to Practice	IIT Kanpur	May 24-26, 2012
2.	Dr Anil Kumar Dahiya, Asstt. Prof.	Recent Advances In Genetic Algorithms and their Applications in Engineering Design	I I T Roorkee	June 25-29 2012
3.	Shri Mohit Dua, Assistant Professor	Advanced School on Natural Languages Processing	IIIT Hyderabad	July 05-20 2012
4.	Dr.Pankaj Chandna, Associate Professor	Hyper Works Technology Conference	Bangalore	July 17-18 2012
5.	Mr Virender Ranga , Assistant Professor	Faculty Development Program on Wireless Sensors Network a	Graphic Era Uni., Dehradun	August 04- 05 2012
6.	Dr. Mayank Dave, Asso. Professor	Faculty Development Program on Wireless Sensors Network a	Graphic Era Uni., Dehradun	August 04- 05 2012
7.	Dr .Saurabh Chanana Assistant Professor	International Conference on Industrial and Information Systems ICIIS 2012	IIT Madras , Chennai	August 06- 09 2012
8.	Dr Neena Jaggi, Associate Professor	International Conference on Raman Spectroscopy	IISc Bangalore	August 12- 17 2012
9.	Dr. D P Singh, Professor	Chemical Constellation Cheminar-2012	NIT Jalandhar	Sept. 10-12 ,2012
10.	Dr. J K Kapoor, Asso. Prof.	Chemical Constellation Cheminar-2012	NIT Jalandhar	Sept. 10-12 ,2012
11.	Dr Mohammad Arif Assistant Professor	Communication, Information and Computing Technology (ICCIT-2012)	Sardar Patel Institute of Tech. , Mumbai	October 18- 20 ,2012
12.	Mr. Mohit Dua, Assistant Professor	4th Intl. Conf. on Advances in Recent Technologies in Communication and	Bangalore	October 19- 20 ,2012

13.	Dr. Rajender Kumar,	Computing ARTCom 2012 16th Annual Conference of Indian Political Economy	IIT Roorkee	October 26- 27, 2012
	Professor	Association		
14.	Dr. Mayank Dave, Asso. Professor	IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2012)	Mathura	November 3 5, 2012
15.	Dr. J K Quamara, Professor	57th DAE-Solid State Physics Symposium	IIT Bombay , Mumbai	December 3 7, 2012
16.	Dr. Anurag Gaur, Asstt. Prof.	57th DAE-Solid State Physics Symposium during at	IIT Bombay , Mumbai	December 3 7, 2012
17.	Dr Vikas Chaudhary, Associate Professor	International Conference on Marketing Paradigms in Emerging Economies (ICOM12)	Banaras Hindu University , Varanasi	December 4-5, 2012
18.	Dr. P J Phillip, Professor	International Conference in Faculty of Management Studies	Banaras Hindu University , Varanasi	December 04-05, 201
19.	Sh. Mohit Dua, Asstt. Prof.	3rd International Conference on Meta Computing and Workshop on Parallel and Distributed Computing	Bhubaneswar Odisha	December 06-07, 201
20.	Sh. Virender Ranga, Asstt. Prof.	3rd International Conference on Meta Computing and Workshop on Parallel and Distributed Computing	Bhubaneswar Odisha	December 06-07, 201
21.	Dr. Arun Goel, Professor	Conference on Hydraulics , Water Resources , Coastal and Environmental Engineering	IIT Bombay , Mumbai	December 7 8, 2012
22.	Dr. Ashwani Sharma, Asso. Professor	IEEE INDICON 2012 – Innovation	Kochi , Kerala	December 07-09, 201
23.	Dr Jitender Kumar Chhabra , Asso. Professor	ACM International Collegiate Programming Contest 2012	IIT , Kanpur	December 12-13, 201
24.	Dr. Ashwani Kumar, Asso. Professor	17 th National Power Systems Conference - 2012	IIT , Banaras Hindu University , Varanasi	December 12-14, 2013
25.	Dr. Ajai Jain, Asso. Professor	International Conference on Agile Manufacturing (ICAM- 2012)	IIT , Banaras Hindu University , Varanasi	December 16-19, 201
26.	Dr. Yash Pal, Professor	2 nd International Conference on Power, Control and Embedded Systems, ICPCES 2012	MNIT Allahabad	Dec. 17-19 2012
27.	Sh. V P Singh, Asso. Prof.	Short course on finite element method	IIT, Hyderabad	December 19- 21, 2012
28.	Sh. Rajinder Kumar, Asstt. Prof.	International Conference on Communication , Devices and Intelligent Systems , CODIS 2012	Jadavpur University Kolkata	December 28-29, 201
29.	Dr. Rajender Kumar, Professor	95 th Annual Conference of Indian Economic Association	Visakhapatnam	December 27-29, 201

		(IEA)		
30.	Dr. J K Quamara, Professor	Indian Science Congress - 2013	Kolkata	January 03- 07 2013
31.	Dr. R P Chauhan, Asso. Prof.	100 th Indian Science Congress	Kolkata	January 03- 07 2013

11.8 COURSES AND ADMISSIONS

COURSES OFFERED

UNDERGRADUATE COURSES - B. TECH. DEGREE COURSES

Courses of study are offered in following disciplines:

Discipline	No. of seats
Civil Engineering	139
Electrical Engineering	139
Mechanical Engineering	139
Electronics & Communication Engineering	139
Computer Engineering	92
Industrial Engg. & Management	92
Information Technology	92
Total	832

Note: Dasa/NRI students can be admitted upto 15% over and above of the sanction strength of B.Tech. (i.e. 15% of 832)

The duration of each course is four academic years. Teaching in each academic year (1st July to 30th June) is divided into two semesters of about sixteen weeks each.

The courses include study at Institute, visits to work-sites and practical training in Institute workshops and in approved engineering works.

POSTGRADUATE COURSES - M.TECH. DEGREE COURSES

Courses of study are offered in following disciplines and specializations:

Discipline		IN.	o. of	Specialization			
	Open	SC	ST	OBC	PD	Total	
Civil	08	03	01	04	-	16	Structural Engineering
Engineering		Stranger Commence					
	08	03	01	04	01	17	Transportation Engg.
Section 1997 and the	09	02	01	05	01	18	Environmental Engg.
	08	03	01	04	-	16	Soil Mechanics & Foundation Engg.
	08	03	01	04	01	17	Water Resources Engg.

Electrical Engineering	08	03	01	04		16	Control System
	08	03	01	04		16	Power System
	08	03	01	04	-	16	Power Electronics & Drives
Electronics & Comm. Engg.	10	03	02	05		20	Electronics & Comm. Engg.
	09	02	02	06	01	20	VLSI Design
Physics	10	03	02	05	2	20	Instrumentation
	09	02	02	06	01	20	Nano Technology
Mechanical Engg.	08	03	01	04		16	Industrial And Production Engg.
	08	03	01	04	01	17	Machine Design
	09	02	02	05	01	19	Thermal Engg.
Computer Engg.	10	02	01	06	01	20	Computer Engg.

The duration of each course is four semesters for regular students and five semesters for part-time students.

The Insitute made admissions directly in the academic session in the academic session 2012-13 on (i) sponsored seats and (ii) seats available under TEQIP-II project. In addition direct admissions also made for two new M.Tech. programmes. The number of seats available in each category for admission through this mode are given below:

(i) Sponsored and TEQIP-II seats:

Discipline		N	o. of		Specialization		
	Open	SC	ST	OBC	Spon- sored	Total	
Civil Engineering	01	01	-	01	05	08	Structural Engineering
	01	01	-		05	07	Transportation Engg.
		-	-	01	05	06	Environmental Engg.
	01		-	01	05	07	Soil Mechanics & Foundation Engg.
	01	-	-	-	05	06	Water Resources Engg.
Electrical	02	01	-	01	05	. 09	Control System
Engineering							
	02	•	01	01	05	09	Power System
	02	01	-	01	05	09	Power Electronics & Drives
Electronics & Comm. Engg.	02	01	-	01	05	09	Electronics & Comm. Engg.
	06	01	02	03	05	17	VLSI Design

Physics	-	-	-		05	05	Instrumentation
	-	-	-		05	05	Nano Technology
Mechanical Engg.	02	01	-	01	05	09	Industrial And Production Engg.
	02	01	-	01	05	09	Machine Design
	02	-	01	01	05	09	Thermal Engg.
Computer Engg.	03	01	-	01	05	10	Computer Engg.
School of VLSI Design & Embedded System	-	-			05	05	Embedded System Design
School of Renewable Energy & Efficiency	- 100000	-		-	05	05	Renewable Energy Systems

(ii) New M.Tech. Programmes:

Deptt./School		1	Programme				
	Open	SC	ST	OBC	PD	Total	
School of VLSI Design & Embedded System	09	03	02	05	01	20	Embedded System Design
School of Renewable Energy & Efficiency	09	03	02	05	01	20	Renewable Energy Systems

The duration of each course is four semesters for regular students and five semesters for part-time students.

ADMISSIONS

UNDERGRADUATE COURSES

Details of candidates admitted to B.Tech. courses in 2012-2013:-

MALE Grand Total Total	ST PH	1 128 137	72 88	108 129	113 134	79 85	62 78	131 131	
	ST	10	4	٥	0	7	ro	10	
. N	SC		н	-	1				
	သွ	19	13	15	13	12	0	19	
MALE	OP PH	6	н	1	64	-	н	01	
	OP	57	32	20	52	36	26	58	
	овсрн	1		2	7			1	
	OBC	36	20	33	29	33	21	37	The second second
	MEA	1	н		1	.,		64	
	ICCR	1			77			77	
	DASA				64				
FEMALE Total		6	16	21	21	ø	16		
	ST		6	, ,0	Н		01		
	sc	1	1	ıo	ю	-	1		
	OP	8	7	7	11.		12		200000000000000000000000000000000000000
6	OBC					-			
FEMALE	OBC		ıo	3	, 9		н		Common State
124	MEA			1					
	ICCR			2					1
	DASA IC		1				244		200
B.Tech.		Civil Engg.	Computer Engg.	Electrical Engg.	Electronics & Comm. Engg.	Industrial Engg. and Management	Information Technology	Mechanical Engg.	The state of the s

Grand Total 766+16 *ICCR/MEA/ DASA =782

POSTGRADUATE COURSES

Details of candidates admitted to M.Tech. courses in 2012-13:-

Branch	Programme	i i		Female	ale			F Total				Male	ē				M Total	Grand Total
		ICCR	OBC	OP	SC	ST	Spon.		DASA	ICCR	OBC	OP	PH	SC	ST	Spon.		
	C (Envir.)		2	7				4			7	7		63			11	15
	C (S.M.F)		2	2	1			ro			ဗ	9		64			11	16
Civil Engg.	C (Strut.)		1	1				7	1		n	7		1	1		15	17
	C (Trans.)					1 1 1 1 1					9	80	1	4			19	19
	C (W.R)			1	1			7			22	00		7		Uğ	15	17
Computer Engg.	Computer			9				9			9	9		м		1	16	22
Electrical	E (C.S.)	1	64	ø	1			10			61	7		64		1	12	22
Engg.	E (P.E.D.)			6	7			4			D	11	1	61		1	20	24
	E (P.S.)			1				1			9	6		6	7	4	24	25
Electronics & Comm. Engg	BCE			1	-		1	8			ю	13		ю		8	23	26
Mechanical	M (M.D.)		77					8		1	9	12		4		damu	23	25
Engg.	M (I &P)				7			2			9	11		7		64	21	23
	M (Thermal)			63		1		3			8	7	1	7	1	m	22	25
Physics	Ph (N . T)		1	က			N.	4			2	2		7			6	13
	Ph (Inst.)			6	1			4			D	80		2	1		16	20
School of VLSI Design & Embedded	VLSI Design				-	1 .		-			4	15	-	ю	7		25	92
maneko	E. S.D.		7		1		1	4			m	12				64	17	21
Renewal Energy & Efficiency	R.E.S			M				3				•		64		-	11	41
	Grand Total	1	12	33	11	1	7	09	1	1	82	157	4	41	7	17	0.0	000

11.9 SCHOLARSHIPS AND AWARDS

UNDERGRADUATE

Scholarships/stipends and Academic Prizes were awarded to the students of undergraduate courses as per details given in the table below:

B.Tech.

Scholarships	Hay have the	Numb	er awar	ded		Value (Rs.)
Year	1st	2nd	3rd	Final		
Batches	2011	2010	2009	2008	Total	
Merit Scholarship	56	21	21	21	119	Rs 1000/- per annum and a merit certificate with exemption from payment of tuition fee. From 2007 onward only 21 nos. scholarship amounting to Rs.3000/-& a merit certificate is given. Tuition is not exempted.
Postmatric Scholarship	56	21	10	06	93	Rs. 740/- p.m. for Boarders &Rs.330/- p.m. for day scholars
Others states	68	54	04	04	130	Students with full exemption from tuition fee.
Others Univ., Railways, P&T, Air- Force, Jindal Trust, Guru Harikishan Society and NCERT, DTE, DHE, Kalpana Chawla & Dhingra etc. ONGC	21	06	04	05	36	As sanctioned by the various departments and concerned agencies.

Academic Prizes B.Tech	147	44	-	03	194	Rs. 250/- by way of Technical books and in cash to the passed out students.
Central Scholarship	12 (SC) 05 (ST)					Rs.1,23,140/- per student

Institute has started an award of excellence named as 'Manohar Award of Excellence" from the academic session 2009-10 which is given to the topper of B.Tech. Ist year with a cheque of Rs.51,000 and a certificate. 1981-86 (Batch) Electrical students have instituted a Medal alongwith Cash prize of Rs. 5000/- to be given to overall toper of the batch, in memory of late Sh. Shyam Sunder Dhingra.

POSTGRADUATE

A scholarship of Rs. 8000/- p.m. per student is awarded to all eligible student pursuing a regular course of study of M.Tech. Only those candidates who have qualified GATE are eligible for the award of the scholarships.

DOCTORAL PROGRAMME

A scholarship of Rs. 16,000/- p.m. for 1st & 2nd Year), Rs. 18,000/- p.m. for 3rd year, 4th year and 5th year (for B.E/B.Tech./M.Sc. Equivalent with Valid GATE score above the prescribed cut off level/NET qualification) and Rs. 18,000/- p.m. for 1st & 2nd Year and Rs. 20,000/- p.m. for 3rd & 4th year (for M.E/M.Tech. or Equivalent) is awarded to all eligible students pursuing a regular course of study of Ph.D.

11.10 TRAINING AND PLACEMENT STATISTICS

Leading national and multi national companies compete each other to be first in our campus for recruiting under-graduate and post-graduate students. Major PSU's like C-DOT, IOCL, ONGC, CIL, HSCC, TCIL, NCB & Brahmos Aerospace have Likewise major private sector visited the institute and recruited many students. companies such as ZS Associates, Winshutttle, Samsung, SISO, Future First, Tata Oracle, Suzuki, Mobility, Maruti Microsoft, Motorola Semiconductors, Honda, Google etc. have visited the institute for recruitments. During the year 2011-12, more than 155 companies have visited the campus and offered 900 jobs to the undergraduate and about 200 jobs to post graduate students. The highest pay package offered has been of Rs. 14 lacs p.a. More than 200 students have been offered pay packae between Rs. 8-10 lacs p.a. and another 125 students have been offered pay package in the range of Rs. 6-8 lacs p.a. Over 350 students have been offered dream jobs and may students have been offered Pre Placement Offer (PPO) of Rs. 11 lacs p.a. as pay package while undergoing training during sixth semester. The number of companies visited and jobs offered disciplinewise are tabulated below:

Discipline	No. of companies which conducted interviews	No. of jobs*
Computer Engg.	65	77
Information Technology	["] 65	58
Electronics & Comm. Engg.	45	122
Mechanical Engg.	64	119
Electrical Engg.	51	98
Civil Engg.	39	86
IEM	33	18
MCA	25	69
M.Tech.	27	100

Note: *Some students were selected by more than one company.

11.11 FINANCE AND ACCOUNTS DETAILS

Since the inception of Institute, Government of India has been providing Plan Grant for development of Institute. The Plan Grant is mainly released for construction of residences in the campus, hostel buildings construction/renovation of instructional building and other buildings, purchase of new equipments as well as for purchase of furniture for the Institute as well as hostels. On a perusal of the grant released by the Government of India for the last 10 years, Plan Grant to the tune of Rs. 493.20 lacs for 2003-04, Rs. 322.50 lacs for 2004-05, Rs. 300.00 lacs for 2005-06, Rs. 900.00 lacs for 2006-07, Rs. 2315.00 lacs for 2007-08, Rs. 2756.00 lacs for 2008-09, Rs. 3944.00 lacs for 2009-10, Rs. 2200.00 lacs for 2010-11, Rs. 4100.00 lacs for 2011-12 and Rs. 3300.00 lacs for 2012-13 are released for the development of Institute. The Plan Grant received from Government of India has been earmarked/utilized for construction of various works as per details given below:-

- 1) Construction of Mega Boys' Hostel of 1000 capacity at NIT Kurukshetra.
- 2) Construction of Additional Block of Health Centre at NIT Kurukshetra.
- 3) Construction of New Administrative Block at NIT Kurukshetra.
- 4) Construction of graded seating arrangement for 2000 persons in Open Air Theatre at NIT Kurukshetra.

On-going works:

- 1) Construction of 20 Nos. Prof. & 20 Nos. Asstt. Prof. Multi Storeyed Staff Housing at NIT Kurukshetra.
- 2) Construction of swimming pool at NIT Kurukshetra.
- 3) Providing and installation of Electrical Sub-station HT/LT distribution including street lighting and feeder pillar etc. in Non-residential area at NIT Kurukshetra.

4) Construction of Boundary Wall of Hostel No. 1 & 2 at NIT Kurukshetra.

Widening of Institute Road from Kirmich Road Gate to Hostel no. 4 (approx. length of 400 meters) at NIT Kurukshetra.

Replacement of ACC sheets with Zincalume sheets & renovation of water channel in central/old Workshop at NIT Kurukshetra.

7) Construction of 2 Nos. parkings at NIT Kurukshetra.

8) i) Recarpeting of roads from NIT gate (towards KUK gate) to Apollo Canteen chowk via NIT chowk at NIT Kurukshetra.

i) Re-carpetting of road from main approach road of Guest House and

around Guest House roads at NIT Kurukshetra.

iii) Re-carpeting of road from Apollo Canteen to NIT gate via Mega Hostel and Hostel no. 7 & 8 at NIT Kurukshetra.

iv) Re-carpeting of road from Apollo Canteen chowk to Y shape road via Open Air Theatre at NIT Kurukshetra.

12. RESEARCH WORK

12.1 On going Research Projects

Sr	Name &	Amount	Sponsoring	Duration
No	Coordinator of the Project	sanctioned (Rs. In lacs +interest)	Agency	
1.	Information Security Education Awareness Dr. A. Swarup	4.44+1.55	MC & IT, Govt. of India, New Delhi	2005-13
2.	Special man power Development programme Dr. A.K. Gupta	50.00+2.73	MC & IT, Govt. of India, New Delhi	2005-13
3.	Water Harvesting to curb ground water Dr. K.K. Singh	12.50+1.13	Ministry of Science & Tech. GOI New Delhi	2007-12
4.	Development of a Model for intelligent integration of process planning and scheduling for flexible systems in manufacturing for performance improvement in evolving CIM environment Dr. Ajay Jain	14.00+0.58	Ministry of Science & Tech. GOI New Delhi	2008-13
5.	In Silico Design & Modeling of some artificial allosteric system Dr. Minati Baral	1.00+0.13	UGC New Delhi	2009-13
6.	Design Coputational modeling & synthesis of some novel biominetic sidrophore analog Dr. Minati Baral	8.83+1.21	CSIR Project MHRD	2009-13
7.	Central for water resources mgmt.	7.78+0.08	DST, Govt. of India,	2010-13

	Dr.K.K.Singh		New Delhi	
8.	Study of High- Energyhadron thearapyspace. Dr.Ashwani Kumar	7.00+0.24	DST Project New Delhi	2010-13
9.	Synthesis & charactersition of Multinferroic Dr. Anurag Gaur	10.64+0.35	DST Project New Delhi	2010-13
10.	Estimation of Fertilizer induced Radioactivity in plants. Dr. R.P. Chauhan	3.56+0.16	UGC Grant	2011-14
11.	Study of the factor affecting rundon level Dr. R.P. Chauhan	15.86+0.08	BRNS	2011-14
12.	Changing Water Cycle Dr. K.K. Singh	9.77+0.17	MOEs	2012-15
13.	Ganga River Basin Environmental Manage- ment Plan (GRBEMP) Prof. S.K. Patidar	5.00	IIT Kanpur	2012-15
14.	Distribution System Markets Dr. Ashwani Kumar	10.08	SERB	2012-13

12.2 ACHIEVEMENTS DURING THE YEAR

Civil Engineering Department

1. Dr. D.K.Soni was honoured with the award of Best Citizen of India by Internation Publishing House.

2. Dr. D.K.Soni was honoured with the award of Glory of Excellence Award-2011 by National and Internation Compedium and International Institute of Education & Management, Delhi.

3. Dr. D.K.Soni was nominated for the award of Leading Scientists of World-

2011 by International Biographical Centre, Cambridge, England.

4. The dissertation submitted by an M.Tech student under the supervision of Dr. V.K.Sehgal was published in the form of a book in Germany.

5. Dr. Anupam Mittal and Dr. Parveen Aggarwal were given appreciation letter

by DRDO.

6. Dr. K.K. Singh arranged an expert lecture delivered by Dr. V.P.Singh, Professor, Texas A and M University, USA.

Mechanical Engineering Department

1. Dr. N.K. Singh delivered keynote lecture on 'Prediction and Control of a Laminar Separation Bubble' in the International Conference on Applications of Fluid Engineering held at GLBITM, Greater Noida from Sept. 20-22, 2012.

2. A seminar on 'Design Sensitization' was organized on August 28, 2012.

3. 'E-Summit.13', a two days workshop was organized by Entrepreneurship Development Cell on 19-20 April 2013.

4. STC on 'Wind Energy Conversion Systems' organized by Dr. V.K. Bajpai & Dr. Ashwani Kumar on 07-09 Sept. 2012.

5. STC on 'Solar Energy: Modeling and Conversion' organized by Dr. V.K. Bajpai & Dr. Ashwani Kumar on 24-26 August, 2012.

6. Expert lecture on "Desiccant Cooling Systems" delivered by Dr. V.K. Bajpai & Dr. Avadhesh Yadav on 12th October 2012.

7. A 3-days self financed STC on 'CFD Applications in Tribology' was organized in Mech. Engg. Deptt. from April 19-21, 2013 with Dr. Punit Kumar and Dr. Gulshan Sachdeva.

8. A delegation of scientists from Combat Vehicle Research & Development Establishment, Chennai, DRDO visited NIT Kurukshetra on Aug.7, 2013.

Physics Department

 Organised National Conference in Nanoscience and Instrumentation Technology (NCNIT-2013) on 28-29 March 2013.

2. Organised Expert Lecture Series on Instrumentation on 11-12 October 2012.

Electrical Engineering Department

Seminar/conference/workshops/short term courses organized

- 1. STC on Wind Energy Conversion Systems (Sept. 07- 09, 2012) under self financed scheme, organized by Dr. Ashwani Kumar.
- 2. STC on Solar Energy: Modeling and Conversion (August 24- 26, 2012) under self financed scheme organized by Dr. Ashwani Kumar.
- 3. Two days training program on software NEEPLAN procured under DST project, Jan. 2013, organized by Dr. Ashwani Kumar.
- 4. Three days training program on software PSCAD procured under DST project, Jan. 2013 organized by Dr. Ashwani Kumar.
- 5. National Conference on Recent trends in Energy, Systems and Control, March 15-16, 2013, organized by the department.
- 6. Two Week ISTE Workshop on Introduction to Research Methodologies, from 25 June 2012 to 4 July 2012 under NME-ICT, organized by Dr. Saurabh Chanana.

Lectures Delivered

- 1. Lecture on "congestion management and renewable energy policies and impact on power systems", in the STC, Oct. IIT Kanpur, 2012, delivered by Dr. Ashwani Kumar.
- Lecture on "Large-scale integration of wind power in electric grid" at 3 day STC on Wind Energy conversion system. 7-9 Sep, 2012 organized by School of Renewable Energy and Efficiency, delivered by Dr. Saurabh Chanana.
- Lecture on "Information Communication Technology Enabled Teaching-Learning Process: A Recent Perspective", in Refresher Course on ICT organized by UGC Academic Staff College, BPS Mahila Vishwavidyala, Khanpur Kalan, Gohana, Haryana, May 31, 2013, delivered by Dr. Sathans.
- Lecture on "Android Operating System and Aakash Tablet", in Refresher Course on ICT organized by UGC Academic Staff College, BPS Mahila Vishwavidyala, Khanpur Kalan, Gohana, Haryana, May 31, 2013, delivered by Dr. Sathans.
- Lecture on "E-Learning: A New Paradigm of Learning", in Orientation Course, organized by UGC Academic Staff College, BPS Mahila Vishwavidyala, Khanpur Kalan, Gohana, Haryana, June 28, 2013, delivered by Dr. Sathans.

6. Lecture on "Aakash Tablet and Computer Networking Basics", in Orientation Course, organized by UGC Academic Staff College, BPS Mahila Vishwavidyala, Khanpur Kalan, Gohana, Haryana, June 28, 2013, delivered by Dr. Sathans.

Seminar/Conference/Workshops/Short term courses attended:

- 1. One day Workshop on curriculum revision for the ME (Electrical Engineering), at PEC University of Technology, Chandigarh, Apr 18, 2013, attended by Prof. R. S. Bhatia.
- 2. Two day ISTE Workshop on "Akaash for Education" (10-11 Nov, 2012) at NIT Kurukshetra attended by Dr. Saurabh Chanana.
- 3. QIP STC on Power markets: Economics and management, Oct.29-Nov. 2, 2012, IIT Kanpur, 2012, attended by Dr. Ashwani Kumar.
- 4. One week Short Term Course on "Power Electronics", May 13-17, 2013, NITTTR, Chandigarh, attended by Dr. Sathans.
- 5. National Workshop on Predictive Mathematical Models in science and Engineering (PMMSE-2013) during May 24-25, 2013 organized by department of Mathematics, NIT Kurukshetra, attended by Mr. K. K. Sharma.
- 6. National conference on recent trends in energy, systems and control, march 15-16, 2013, NIT Kurukshetra, March-2013, attended by Mr. Atma Ram Gupta.

Computer Applications Department

Personality Development Programme for Students

Department organized Personality Development Programme on "Effective Communication Skills" for the students during 2011-12. The programme proved to be very useful to the students and helped them in getting good jobs as well.

Humanities & Social Sciences Department

- 1. Dr. Rajendera Kumar attended one day workshop on "Human Value and Professional Ethics" organized by Govt. of Haryana, Chandigarh on 28.11.2011.
- 2. Dr. Rajendera Kumar attended 94th National Conference of the Indian Economic Association, organized by Bharati Vidyapeeth Deemed University, Pune, 27-29 December, 2011.
- 3. Dr. Rajendera Kumar attended workshop on IP Management and Technology Licension, Feb. 2-5, 2012.

Mathematics Department

Workshop Organised

Organised a two day National Workshop on Predictive Mathematical Models in Science and Engineering (PMMSE 2013) held at Department of Mathematics, NIT Kurukshetra during 24-25 May 2013 corrdinated by Dr. Paras Ram and Co-coordinated by Dr. Sarasvati Yadav.

Research Paper presented in Conferences

Paras Ram, "Role of Porosity and Field Dependent Viscosity on Disk Driven Axi-symmetric Ferrofluid Flow" at National Conference on Emerging Trends in Physics of Fluids & Solids held at Jadahavpur, Kolkata during Feb. 27-28, 2013.

Short Term Courses/Conferences/Workshops Attended

Paras Ram, "Management Capacity Enhancement Programme" at I.I.M. Indore during April 29- May 8, 2013.

Amit Prakash, "National Workshop on Predictive Mathematical Models in Science and Engineering (PMMSE 2013) at NIT Kurukshetra during 24-25 May, 2013.

Chemistry Department

Conferences/Workshops/Seminars attended:

- 1. D.P.Singh, Vidhi Grover and Kiran Jain, "Template synthesis, spectral studies and antibacterial studies of tetraazamacrocyclic complexes of trivalent metal ions" 99th Indian Science Congress, Bhuvaneshwar, 2012.
- 2. D.P.Singh, "Macrocylic Chemistry: Crrent trends and future perspectives" Int. Conf. of Indian Council of Chemists, Bangkok, Invited talk, P-3, 2011.
- 3. D.P.Singh and Parveen, "Divalent transition metal complexes derived from thiocarbohydrazide and dimedone" Int. Conf. on Global Treands in Pure and Applied Chemical Sciences (ICGTCS-2012) Udaippur, 2012.

Department of Business Administration

 One day workshop on Enhancing Group Discussion & Interview skills, Feb. 14, 2012. Resource person: Mr. Vinay Sharma, Partners India, New Delhi. Expert Lectures on Making Summer Internship Effective, Feb. 27, 2012.
 Resource persons: Dr. N.K. Chaudhary, President, ISDR, Mumbai & Dr. Lalit Chaudhari, Secretary General, ISDR, Mumbai.

3. Expert Lecture on Modern Marketing Trends, March 23, 2012. Resource

person: Prof. Usha Kiran Rai, FMS, BHU Varanasi.

4. One day workshop on Enhancing Employability, April 17, 2012. Resource person: Sh. Vaibhav Jaiswal, Professional trainer, Pune.

Conferences attended:

1. Prof. P.J. Philip attended the national conference on the Role of Assistive Technologies in enabling access of persons with disabilities in higher education and work place on Jan. 20-21, 2012 at IIM Bangalore.

2. Prof. P.J. Philip attended the 13th UN conference on Trade and Development (UNCTAD XIII) at Doha, Qatar on April 17-26, 2012 and presented a paper

on Trade, Sustainability and Development.

Computer Engineering Department

The department faculty have visited and presented various research papers in International Conferences abroad.

12.3 PUBLICATIONS, PATENTS etc.

MECHANICAL ENGINEERING DEPARTMENT

Papers in International/National Journals

1. Yadav. A. and Bajpai V.K., 2012, "An experimental investigation of solar powered desiccant wheel with different rotational speeds' International Journal of Ambient Energy, September 2012 pp. 1-24, by Taylor and Francis ISSN: 0143-0750 print/2162-8246 on line.

 Yadav, A. and Bajpai V.K., 2012," Design parameter analysis to improve the performance of desiccant wheel using a mathematical model" Chemical Engineering & Technology (Accepted on 9 March 2012). Wiley Publication Print

ISSN: 0930-7516, on line ISSN: 1521-4125.

3. Yadav, A. and Bajpai V.K., 2012, "Numerical and experimental investigation of operation parameters of solar powered desiccant wheel in India" Heat Transfer-Asian Research January 2013 Vol. 42 I. pp I-30, Wiley Publication On line ISSN:1523-1496.

4. Yadav, A. and Bajpai V.K., 2012,"Analysis of various designs of a descant wheel for improving the performance using a mathematical model March/April 2013

Published by the American Institute of Physics (AIP) ISSN:1941-7012.

5. Yadav, A. and Bajpai V.K., 2012, "The performance of solar powered desiccant dehumidifier in India: An experimental investigation." International Journal of

sustainable Engineering, July 2012 pp 1-19, by Taylor and Francis ISSN: 1939-7038 print/1939-7046 online print/2162-8246 on line.

CIVIL ENGINEERING DEPARTMENT

Publications

- 1. Rafat Siddique, Paratibha Aggarwal and Yogesh Aggarwal, "Influence of water/powder ratio on strength properties of self-compacting concrete containing coat fly ash and bottom ash, construction and building materials" Elsevier Publications, pp 73-81, 2012.
- 2. Rafat Siddique, Paratibha Aggarwal and Yogesh Aggarwal, "Prediction of compressive strength of self-compacting concrete containing bottom ash using artificial neural network, advances in engineering software" Elsevier Publication, pp 780-786, 2012.

CHEMISTRY DEPARTMENT

Papers in International/National Journals

- 1. S.K. Sahoo, R.K. Bera, Minati Baral, B.K. kanungo, Synthesis and aqueous coordination chemistry of a Novel flexible tripodal aminepenol ligands toward AI(III), Ga(III) and In(III). Spectrochemica Acta Part A: Molecular and Biomolecular Spectroscopy(89), 322-328 (2012)
- 2. Dinesh Kumar, Arun Syamal, A. Gupta, V. Pandey and Mukesh Rani Coordintion compounds of Schiff base containing urea moiety.
- 3. D.Kumar, Amit kumar and Jyoti Sharma, Pysic-chemical studies on the coordination compounds of thiazolidin-4-one. J. Chem., Article ID 870325, (2013).
- 4. M.Kamboj D.P. Singh and K. Jain. Synthesis, Spectral and Antibacterial studies of 18-membered teraazamacrocyclic complexes derived from carbohydrazide and diacetony1, *Int. J. Chem. Res.*, 3, 21-24 (2012)
- 5. D.P. Singh, Parveen, Chetan Sharma and K. R. Aneja. Divalent Transition Metal Complexes from Thiocar ohydrazide and Dimedone.
- 6. Synthesis, Characterization and in vitro Antimicrobial studies of Macrocyclic Metal Complexes Derived from 1, 8-Diaminonaphthalene and Dimedone. D. P. Singh, Parveen, Ramesh Kumar, P. Surain and K. R. Aneja. J. Incl. Phenom. Macrocycl. Chem. (Accepted; DOI: 10.1007.s10847-013-0306-1) (Online. In press)
- 7. Trivalent Transition Metal Complexes Derived from carbohydrazide and Dimedone. D.P. Singh, Vidhi Grover, Parveen and Kiran Jain. Arabian J. Chem., DOI:10.1016/j.arabjc.2013.07.004 (online, in press)
- 8. Kapoor J.K, Dass R and Gambhir S, "Rapid spectrophotomtric determination of Molybdenum in sted and Environmental samples after extraction of its 6-chloro-

3bydroxy-2-[4'methylpheny1]-4-H-chromen-4-one", Research Journal of Chemistry and Environment, 16 (4), 40-45 (2012).

9. R. Dass, J.K. Kapoor and Sunita Gambhir, "Extractive spectrophotometric metod of determination of Mo in step and Environmental samples", Journal of

Chemistry, Article ID 420768 2 (2013)

 J.K. Kapoor Shagufta Jabin, H.S. Bhatia "Effective use of lime and alum along with synthetic polyelectrolyte in treatment of dairy industry wastewater", Journal of pollution research, poll Res. 32 (I):39-44 (2013).

Papers in International/ National Conferences/Symposia/Seminars

1. Design and synthesis of TREN CAP tripodal ligand with alanine and phenyl alanine as a spaces units: An analogs of natural siderophore bacillibactin Kirandeep Kaur, Minati Baral and B.K. Kanungo International Conference "Chemical Constellation Cheminar September 10-12th 2012" NIT Jalandhar (PP)

2. Design and synthesis of Ruthenium (II) complex containing Schiff base ligand and bipyridine compounds for solar cell application C. Chaitanya Reddy and Minati Baral International Conference "Chemical Constellation Cheminar

September 10-12th 2012" NIT Jalandhar (PP)

3. Synthesis of two benzene based novel tripodal studies with Fe (III) metal ion Amit Gupta, Kirandeep Kaur, Minati Baral and B.K. Kanungo International Conference "Chemical Constellation Cheminar September 10-12th 2012" NIT Jalandhar (PP)

 Design and synthesis of Ruthenium (II) complex containing bipyridine ligands for solar cell application C. Chaitanya Reddy and Minati Baral and B.K.

Kanungo National Conference GC: nfcs KU 22-23rd October 2012 (PP)

5. Synthesis, theoretical studies of a novel imine naphthol ligand and its complexation with trivalent metal ion" Kirandeep Kaur, Minati Baral and B.K. Kanungo National Conference GC: nfcs KU 22-23rd October 2012 (PP)

Synthesis and antimicrobial activity of Ruthenium (II) complex containing tetra

dentate Schiffs base ligand and bipyridine ligands.

6.

C. Chaitanya Reddy and Minati Baral Research Scholar's day 2012, 17-18, December 2012 IIst, Thirivanthapuram (PP)

7. Synthesis, theoretical studies of amine naphthol tripodal ligand & its complexation with Fe (III). Kirandeep Kaur and Minati Baral Research Scholar's

day 2012, 17-18, December 2012 IIst, Thirivanthapuram (PP)

8. Design, Synthesis and antimicrobial activity of Ruthenium (II) Complex containing bipyridine ligands. Minati Baral ,Chaitanya Reddy and Kanungo 7th RSC-CRSI & 15th CRSI National Symposium in Chemistry 2013 (NSC-15) Jan.31 to Feb 3-2013

Design, Synthesis and theoretical studies of Ru (II) complex containing mixed ligands for antimicrobial application .Chaitanya Reddy and Minati Baral 5th National Seminar on "New frontiers in Chemistry" feb 15 to 16 2013 ,Patiala Punjabi University.

Design & Synthesis of TREN Cap tripodal analogues of siderophore bacillibactin & comparison of their chelating ability toward Fe (III) metal ion. Kirandeep Kaur 10. and Minati Baral 5th National Seminar on "New frontiers in Chemistry" feb 15 Punjabi University. to 16,2013, Patiala

Synthesis & antimicrobial activity of two novel Ru (II) complexes containing Schiffs base ligand. Chaitanya Reddy , Minati Baral and Kanungo Recent 11.

advances in chemical sciences, ICRACS 2013; Feb 24 to 26;2013, Panipat

Synthesis of a novel amine naphthol tripodal ligands & its complexation with Fe, Al & Cr. Kirendeep Kaur and Minati Baral Recent advances in chemical 12. sciences, ICRACS 2013; Feb 24 to 26 2013, Panipat

Design & Synthesis of Ruthenium (II) complex containing mixed ligands for antimicrobial application. Minati Baral and Chaitanya Reddy International 13. conference on Chemistry: Frontiers & Challenges March 2 to 3, 2013, Aligarh

Dinesh Kumar, Silky Chadda, Chetan Sharma and K.R. Aneja Chemical antimicrobial studies on 14. Syntheses, spectral characterization and coordination compound of metal ions of first and second transition series with Schiff base containing aliphatic and aromatic hydrazide moieties. Constellation Cheminar-2012, held at Department of Chemistry, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar-144011 (during September 10-12, 2012), PP-105, p. 194-195.

Trivalent transition metal complexes derived from acetonylacetone and ethylenediamine Monika Kamboj, Vidhi Grover, Kiran Jain & D.P. Singh, 15. International Conference "Chemical Constellation Cheminar-2012" (CCC-2012)

Jalandhar PP-146 (2012)

Synthesis and characterization of divalent transition metal complexes derived from Thiocarbohydrazide and diacetyl Ramesh Kumar, D.P. Singh and Parveen 16. International Conference "Chemical Constellation Cheminar-2012" (CCC-2012)

Jalandhar, Dr. BRANIT, PP-157 (2012).

Template synthesis of Trivalent Macrocyclic Metal Complexes derived from Oxalydihydrazide and Isatin D.P. Singh & Kavita Sharma International 17. Conference "Chemical Constellation Cheminar-2012" (CCC-2012) Jalandhar PP-253 (2012)

Tetraazamacrocyclic Complexes of Co(II), Ni(II), Cu(II) and Zn(II) derived from 1,8- Diaminonaphthalene and Acetylacetone.D.P. Singh & Parveen International 18. Conference "Chemical Constellation Cheminar-2012" (CCC-2012) Jalandhar

Dr. BRANIT, PP-315 (2012)

Derived from Complexes Metal Transition Trivalent Macrocyclic and Dimedone. D.P. Singh & Parveen "GLOBAL 19. Thiocarbohydrazide CHALLENGES: NEW FRONTIERS IN CHEMICAL SCIENCES", Kurukshhetra University, Kurukshetra, P-63 (2012)

Divalent Cobalt Complexes Derived from Dimedone and Ethylenediamine. D.P. 20.

Singh & Parveen 100th Indian Science Congress, Kolkata, P-216 (2013)

Synthesis, Characterization and antimicrobial activity of macrocyclic complexes 21. of trivalent chromium, manganese and Iron. Ramesh Kumar, Parveen and D.P. Singh 100th Indian Science Congress, Kolkata, P-295 (2013)

J.K. Kapoor, Shagufta Jabin and H.S. Bhatia "Effective use of lime along with 22. synthetic polyelectrolyte in treatment of sugar industry effluent" has been published in the proceeding of international conference on chem: frontiers and challenges, ID 222 page 57 held on 2nd -3rd March, 2013 in the department of chemistry, A.M.U. Aligarh.

J.K. Kapoor, Shagufta Jabin and H. S. Bhatia "Comparative study of synthetic 23. and natural polyelectrolytes in removal of turbidity from turbid water" has been published in the proceeding of national conference on Global Challenges: New Frontier in Chemical Sciences, PP3 held on 22nd -23rd September, 2012 in the

Department of Chemistry, Kurukshetra University, Kurukshetra (Haryana)

Nisha Chandna, Jitander Kumar Kapoor " Celecoxib analogues as potent 24. antimicrobial agents" International Conference on Chemistry: Frontiers and Challenges, 2-3 March, 2013 at Aligarh Muslim University, Aligarh (PP 385)

Nisha Chandna, Jitander Kumar Kapoor "Design, synthesis and evaluation of 25. some novel oxazolidin-2-ones as potent antimicrobial activities" CHEMICAL CONNSTELLATION CHEMINAR 2012, 10-12 September 2012 at Dr. B. R.

Ambedkar National Institute of Technology, Jalandhar (PP 333)

Nisha Chandna, Jitander Kumar Kapoor "Design, synthesis and evaluation of 26. some novel Schiff Bases as potent antimicrobial activities" National Conference on Global Challenges: New Frontier in Chemical Sciences, 22-23 September, 2012 at Kurukshetra University, Kurukshetra (PP 63)

PHYSICS DEPARTMENT

Papers in International/National Journals

1. Ashvani Kumar, R. Gupta, S. Jalota, G. Giacomelli, L. Patrizii. V. Togo, .Response of CR39 track etch detector to 10 A GeV Fe26+ ion beam and total charge changing cross section measurement, Nucl. Instrum. & Meth. B270, 55-60, 2012.

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COMPUTER ENGINEERING DEPARTMENT

Thiry five research papers have been published by the faculty members of Department in various International/National Journals and International/National Conferences during the year 2012-13.

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MATHEMATICS DEPARTMENT

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<u>Publications {Journals/Conferences(National/International)}</u>

- 1. Parag Nijhawan, R.S.Bhatia, D.K.Jain, "Application of PI controller based DSTATCOM for improving the power quality in a power system network with induction furnace load", Songklanakarin Journal of Science of Technology, vol. 34 (2), pp. 195-201, Mar Apr 2012.
- 2. Parag Nijhawan, R.S.Bhatia, D.K.Jain, "Improved Performance of Multilevel Inverter based DSTATCOM with induction furnace load", The Institution of Engineering and Technology (IET) Journal on Power Electronics, pp. 1–9, Jun 2013.
- 3. Pankaj Gupta, R.S.Bhatia, D.K.Jain, "An advanced frequency drift method for islanding detection of an inverter interfaced grid connected distribution

- generation", 2012 IEEE Fifth India International Conference on Power Electronics (IICPE 2012). Delhi Tecnological University, Delhi, India. (December 6-8, 2012).
- 4. Parag Nijhawan, R.S.Bhatia, D.K.Jain, "Role of DSTATCOM in a Power System Network with Induction Furnace Load", 2012 IEEE Fifth POWER INDIA Conference December 19-22, 2012, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, -National Capital Region, Delhi, India
- 5. Pankaj Gupta, R.S.Bhatia, D.K.Jain, "A Hybrid Technique for Islanding Detection of an Inverter Based Distributed Generation", 2012 IEEE Fifth POWER INDIA Conference December 19-22, 2012, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, -National Capital Region, Delhi, India
- 6. An Efficient Self-Organizing Map Learning Algorithm with Winning Frequency of Neurons for Clustering Application", IEEE International Advance Computing Conference (IACC-2013), India Feb. 22-23, 2013.
- 7. Chaudhary Vikas, Bhatia Ravinder Singh, Anil K. Ahlawat, "An Investigation and Analysis of Microstrip Antenna to reduce backward radiation toward the users' head", National Conference on Recent Trends in Energy Systems and Control, March 15-16, 2013, Kurukshetra, India.
- 8. Yajvender Pal VERMA, Ashwani KUMAR "Dynamic contribution of variable-speed wind energy conversion system in system frequency regulation", Front. Energy Int. Journal on FIE, Springer Verlag 2012, 6(2): 184-192.
- 9. Ashwani KUMAR, Charan SEKHAR, Demand response based congestion management in a mix of pool and bilateral electricity market model Front. Energy 2012, 6(2): 164–178.
- 10. Yajvendra Verma and Ashwani Kumar, "Participation of Doubly Fed Induction Generator Based Wind Turbine in Frequency Regulation with Frequency-linked Pricing", Electric Power Components and Systems, vol. 40, no. 14, Oct. 2012, pp. 1586-1604.
- 11. Yajvendra Verma and Ashwani Kumar, "Load Frequency Control in Deregulated Power System with Wind Integrated System using Fuzzy Controller" Int. Journal on FIE, SpringerVerlag, vol.6 No.2, 2013, pp.184-192.
- 12. D. Tyagi, Ashwani Kumar, Saurabh Chanana, "Load shedding scheme for an interconnected hydro-thermal hybrid system with SMES", Int. Journal on FIE, Springer Verlag, vol.6, No. 2, 2012, pp.227-236.
- 13. Ashwani Kumar and Charan Sekhar, "Congestion management with FACTS devices ensuring loadability limits", Int. J. of Electric Power and Energy Systems, vol. 46, No. 1, Jan. 2013, pp.258-273.

- 14. Deepak Tyagi, Ashwani Kumar, and Saurabh Chanana, "Load shedding scheme for the two-area system with linear quadratic regulator", Int. Journal on FIE, SpringerVerlag, vol.6 No.1 2013, pp.90-102.
- 15. Himanshi Singla and Ashwani Kumar, "LQR Based Load Frequency Control with SMES in Deregulated Environment", in Proc. INDICON Dec. 2012 at Kochi Kerala.
- 16. D. Tyagi, Ashwani Kumar and Saurabh Chanana, "Load Shedding Via PID Controller for an Isolated Power System", in Proc. IEEE POWERCON 2012, DCRUST Murthal.
- 17. N. Yella, K. S. Sandhu, and A. Kumar, "Comparison of Modeling Techniques for Magnetization Characteristics of Induction Machine", in Proc. IEEE POWERCON, 2012, DCRUST Murthal.
- 18. Ram Kumar Mittapalli, Ashwani Kumar, and Yash Pal, "Optimal Load Curtailment Based Transmission Management with FACTS", in Proc. IEEE POWERCON, 2012, DCRUST Murthal
- 19. Ram Kumar Mittapalli, Ashwani Kumar, Yesh Pal, and S. Chanana, "Optimal Load Curtailment in Hybrid Electricity Market and Impact of FACTS", in Proc. IEEE Int. Conf. on Power, Control, and Embedded Systems, ICPCES, Dec. 17-19, 2012, NIT Allahabad.
- Charan Sekhar and Ashwani Kumar, "Comparison of Series FACTS Controllers for Congestion Management in Pool Electricity market Model", in Proc. NPSC Dec. 2012 IT BHU.
- 21. D. Tyagi, Himanshi Singla, and Ashwani Kumar, "PID fuzzy based AGC of multiarea power system in deregulated environment", in Proc. NPSC Dec. 2012, IT BHU.
- 22. Rishabh Verma, Shalini Pal, Sathans, "Fuzzy based Automatic Generation Control of Two-area Power System and Comparative Analysis", International conference on Biomedical Engineering and Assistive Technologies, Dec.6-7, 2012, NIT, Jalandhar.
- 23. Rishabh Verma, Shalini Pal, Sathans, "Intelligent Automatic Generation Control of Two-Area Hydrothermal Power System using ANN and Fuzzy Logic", IEEE International Conference on Communication Systems and Network Technologies, Gwalior, India, April 6-8, 2013.
- 24. Manjeet, Sathans, "Fuzzy based Control of Two Link Robotic Manipulator and Comparative Analysis", IEEE International Conference on Communication Systems and Network Technologies, Gwalior, India, April 6-8, 2013.
- 25. Rishabh Verma, Shalini Pal, Sathans, "Fuzzy Gain Scheduled Automatic Generation Control of Two Area Multi Unit Power System", IEEE Students Conference on Engineering and Systems", NIT, Allahabad, April 12-14, 2013.

- 26. Amit Kumar Gupta, Saurabh Chanana and Ashwani Kumar, "A smart Uninterruptible Power Supply based on frequency linked pricing mechanism", 7th IEEE International Conference on Industrial and Information Systems (ICIIS), IIT Madras, Chennai, India,6-9 August, 2012.
- 27. S. Singh, A.K. Singh, Saurabh Chanana, "Operation and control of a hybrid photovoltaic-diesel-fuel cell system connected to micro-grid" IEEE Fifth Power India Conference, DCRUST Murthal, Dec 19-22,2012.
- 28. Akhil Gupta, Saurabh Chanana, Tilak Thakur, "Power quality improvement of solar photovoltaic transformer-less grid-connected system with maximum power point tracking control", International Journal of Sustainable Energy, (Taylor and Francis).
- 29. B. Pratap and S. Purwar, "Real Time Implementation of State Observers for Twin Rotor MIMO System: An Experimental Evaluation," International Journal of Modelling, Identification and Control, Vol. 19, No. 1, 2013 (Inderscience).
- 30. B. Pratap and S. Purwar, "State Observer Based Robust Feedback Linearization Controller for Twin Rotor MIMO System," Proceeding of IEEE, Multi-conference on Systems and Control (MSC-2012), Dubrovnik, Croatia, October 3–5, 2012.
- 31. B. Pratap, A. Agrawal, and S. Purwar, "Optimal Control of Twin Rotor MIMO system using Output Feedback," Proceeding of IEEE, International Conference on Power, Control & Embedded Systems (ICPCES-2012), Allahabad, India, December 17–19, 2012.
- 32. V. Sharma and B. Pratap, "Sliding Mode Observer Based Controller of Uncertain Systems: An LMI Based Approach," Proceeding of IEEE, International Conference on Power, Control & Embedded Systems (ICPCES-2012), Allahabad, India, December 17–19, 2012.

HUMANITIES DEPARTMENT

Papers in International/National Journals

- 1. Rajender Kumar, "Environment and Sustainable Development' Conf. Volume of Indian Political Economic Association held at IIT Roorkee on October 2012.
- 2. Rajender Kumar, "Pre and Post Economic Reforms Employment in India- An Empirical Study' in Indian Economic Journal, Vol. Dec. 2013.
- 3. Vikas Choudhary, "Operational productivity of public sector bank in India" Int. journal of social sciences & interdisciplinary research vol. 1, No. 2 April-June, 2012

Papers in International/ National Conferences/Symposia/Seminars

1. Vikas Choudhary, "Innovations for fast growth: A study of capital structure of FMCS sector in India" Presented at Envisage 2020: Energy Business

- Practices, held at IFS Management College & Research Centre, Mumbai, Jan. 5-6, 2012.
- 2. Vikas Choudhary, "Labour Productivity of Public Sector Banks in India during post reforms period" presented at national seminar on economic reforms: An unfinished agenda, held at Chandigarh on 11 Feb. 2012.
- 3. Vikas Choudhary, "Corporate Social Responsibilities of Public Sector Banks in India presented at national seminar on relevance of corporate social reasonability in contemporary socio economic milieu in India held at Jagadhar on 24-25 Feb. 2012.

12.4 R & D INCOME & EXPENDITURE

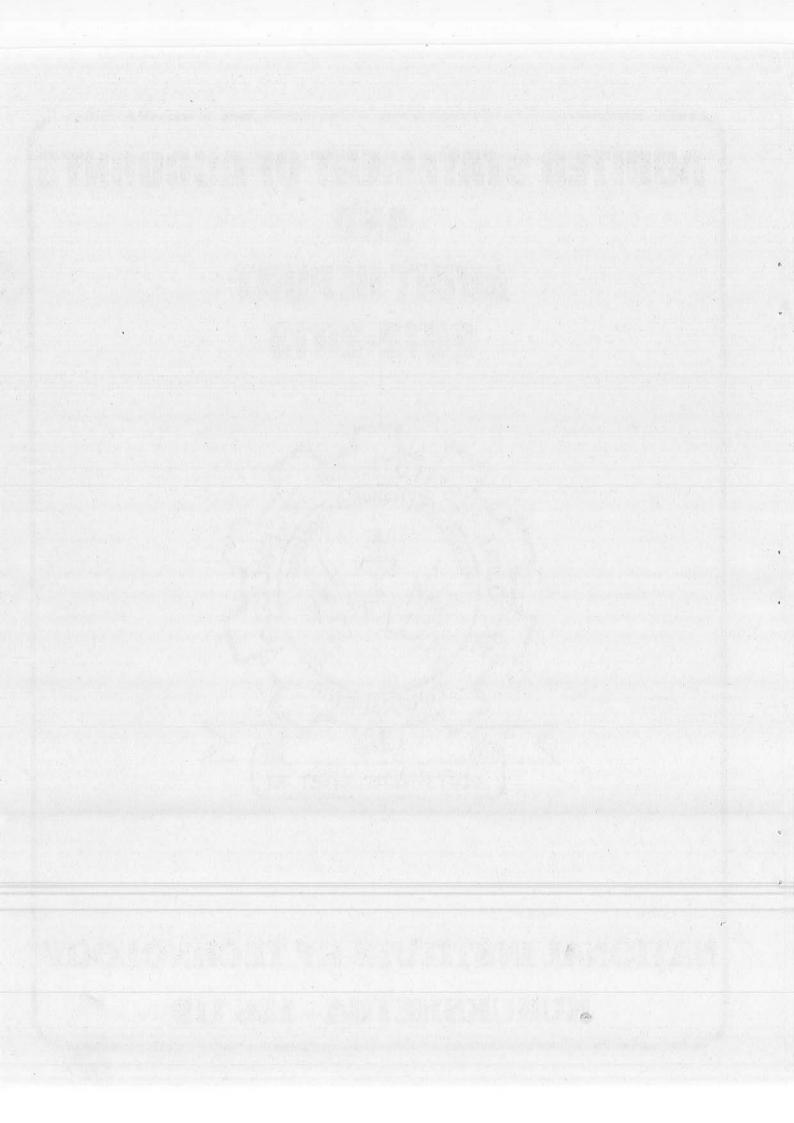
Sr. No.	Scheme & Principal Investigator	Grant Received + Interest or previous balace	Amount utilized	Balance on 31.3.2013
1.	Information Security Education Awareness Dr. A. Swarup	444065.00 155187.00	237286.00	361984.00
2.	Special man power Development programme Dr. A.K. Gupta	600000.00 506023.00	735906.00	370117.00
3.	Water Harvesting to curb ground water Dr. K.K. Singh	1250000.00 113308.00	1306551.00	56757.00
4.	Development of a Model for intelligent integration of process planning and scheduling for flexible systems in manufacturing for performance improvement in evolving CIM environment Dr. Ajay Jain	140000.00 58416.00	1230397.00	228019.00
5.	In Silico Design & Modeling of some artificial allosteric system Dr. Minati Baral	100000.00 13483.00	84455.00	29028.00
6.	Design Coputational modeling & synthesis of some novel biominetic sidrophore	210143.00 86136.00	171942.00	124337.00

	analog Dr. Minati Baral			
7.	Central for water resources mgmt. Dr.K.K.Singh	300000:00 44231.00	295961.00	48270.00
8.	Study of High- Energyhadron thearapyspace. Dr.Ashwani Kumar	350000.00 364094.00	297345.00	416749,00
9.	Synthesis & charactersition of Multinferroic Dr. Anurag Gaur	1064000.00 35828.00	795678.00	304150.00
10.	Estimation of Fertilizer induced Radioactivity in plants. Dr. R.P. Chauhan	187281.00	159879.00	27402.00
11.	Study of the factor affecting rundon level Dr. R.P. Chauhan	1399755.00	1044421.00	355334.00
12	Changing Water Cycle Dr. K.K. Singh	977400.00 16890.00	373912.00	620378.00
13	Ganga River Basin Environmental Manage- ment Plan (GRBEMP) Prof. S.K. Patidar	500000.00	154302.00	345698.00
14	Distribution System Markets Dr. Ashwani Kumar	1008000.00	381434.00	626566.00

AUDITED STATEMENT OF ACCOUNTS AND AUDIT REPORT 2012-2013

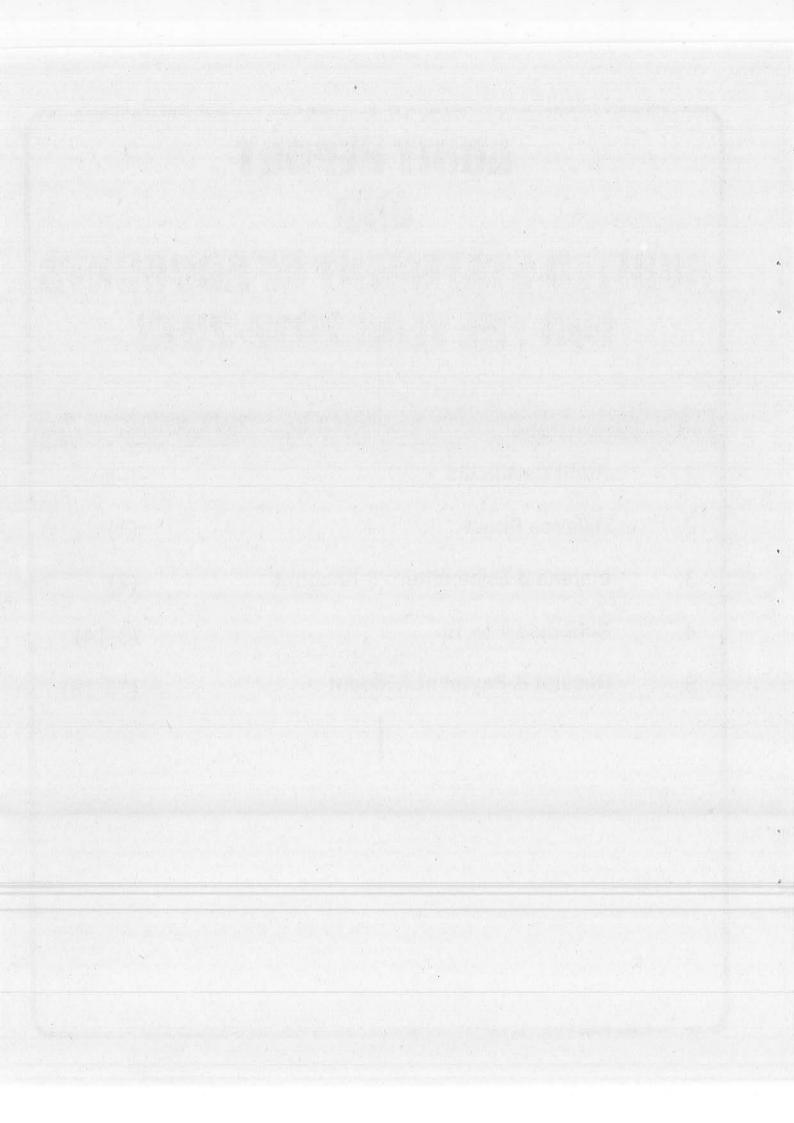


NATIONAL INSTITUTE OF TECHNOLOGY KURUKSHETRA - 136 119



AUDIT REPORT AND AUDITED STATEMENT OF ACCOUNTS FOR THE YEAR 2012-2013

Sr. No.	Particulars	Page No.
1.	Audit Certificate	(i-iii)
2.	Balance Sheet	(1)
3.	Income & Expenditure & Account	(2)
4.	Schedule 1 to 15	(3-14)
5.	Receipt & Payment Account	(15-19)



AUDIT CERTIFICATE

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the National Institute of Technology, Kurukshetra for the Year ended 31 March, 2013

- We have audited the attached Balance Sheet of National Institute of Technology, Kurukshetra as on 31 March 2013, Income and Expenditure Account and Receipts and Payments Account for the year ended on that date under Section 19(2) of the Comptroller and Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 22 of the National Institute of Technology Act, 2007. These financial statements are the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements based on our audit.
- 2. This Separate Audit Report contains the comments of the Comptroller and Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc Audit observation on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.
- 3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance whether the financial statements are free from material mis-statements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
- 4. Based on our audit, we report that:
- We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
- II. The Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in the format prescribed by the Government of India, Ministry of Finance.
- III. In our opinion, proper books of accounts and other relevant records have been maintained by the National Institute of Technology, Kurukshetra as required under Section 22 of the National Institute of Technology Act, 2007 in so far as it appears from our examination of such books.
- IV. We further report that:
- A Balance Sheet
 Liabilities
 Earmarked/Endowment Funds (Schedule-3)
 Institute Development Fund (Consultancy):₹528.36 Lakh

Above represent the Consultancy Income of the Institute generated by way of providing consultancy services, testing of samples and construction materials, which should have been accounted for as income. This has resulted into overstatement of liability (Institute Development Fund (Consultancy) by ₹528.36 lakh as well as understatement of income to the same extent.

B Effect of Audit comments on Accounts
The net impact of the comments given in the preceding para is that the surplus for the year was understated by ₹ 586.56 Lakh

Grants-in-Aid
Out of the grants-in-aid of ₹71.00 crore received during the year 2012-13, and unutilized grant of ₹ 9.89 crore brought forward from the year 2011-12, the institute could utilize a sum of ₹ 79.71 crore during the year leaving a balance of ₹1.18 crore as unutilized grant as on 31 March 2013.

- V. Subject to the observations given in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.
- VI. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Separate Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
- In so far as it relates to the Balance Sheet of the state of affairs of the National Institute of Technology, Kurukshetra as at 31 March 2013 and
- b) In so far as it relates to the Income and Expenditure Account of the deficit for the year ended on that date.

For and on behalf of the C&AG of India

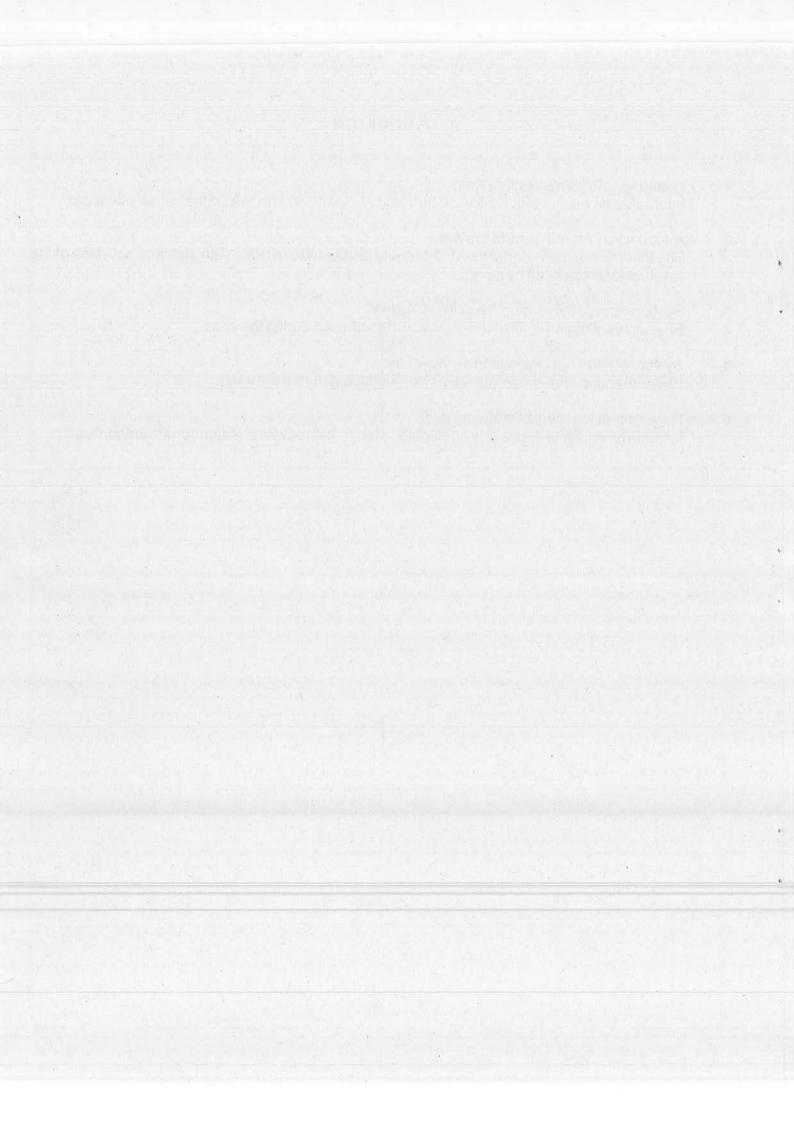
Sd/-Director General of Audit (Central), Chandigarh

Place: Chandigarh Date: 17.12.2013

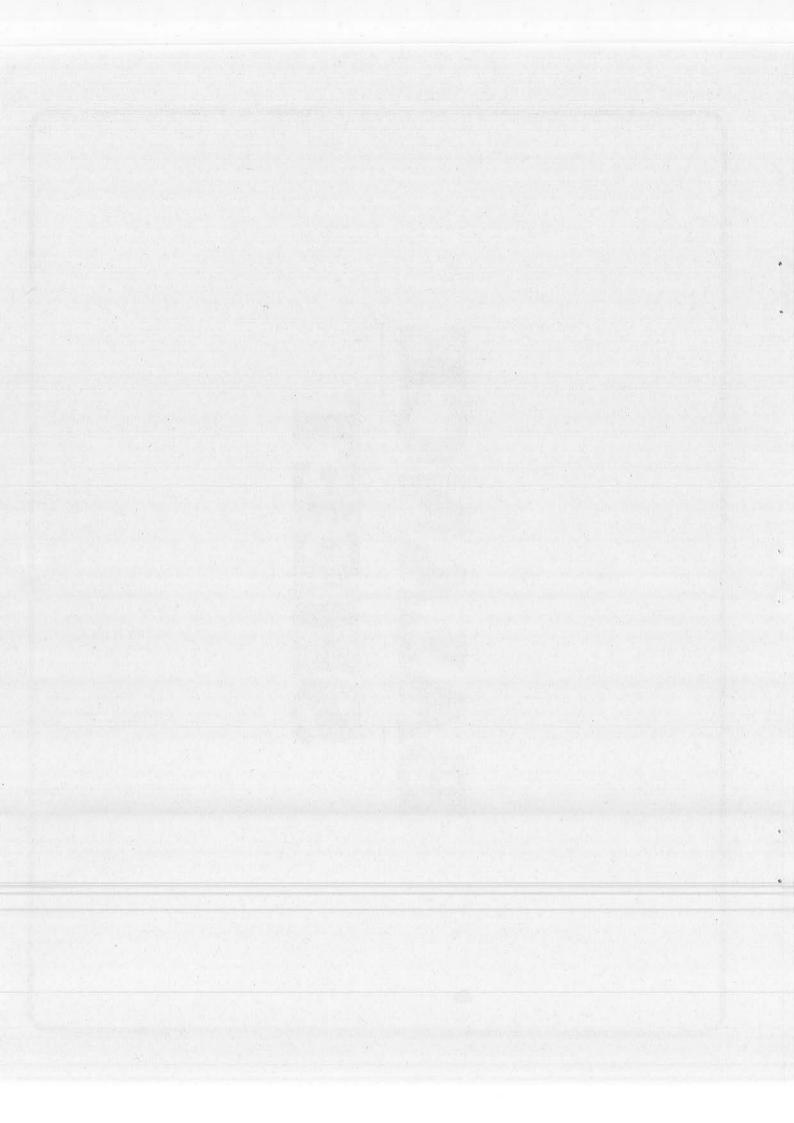
Annexure

- Adequacy of internal audit system Internal Audit was conducted by a Chartered Accountants firm was considered adequate.
- Adequacy of internal control system
 The internal control is considered adequate and commensurate with size and activities of the Institute for areas seen by audit.
- System of physical verification of Fixed Assets.
 Physical verification of fixed assets was not conducted during the year.
- 4. System of Physical verification of inventory: Physical verification of Inventory was not conducted during the year.
- Regularity in payment of statutory dues.
 Institute is regular in depositing undisputed statutory dues with the appropriate authorities.

Sd/-Director



BALANGE SHEET



NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA BALANCE SHEET AS ON 31ST MARCH 2013

(Amount in ₹)

	Schodule		Currer	Current Year Amount (₹)		•	Previous Year Amount (₹)
LIABLITIES						m. deal	* 1 +1 11 11 11
		Main A/c	Scheme A/c	TEQIP-II A/c	Other A/c	Total	
CORPITS/CAPITAL FUND	1	701,526,169		•		701,526,169	1,538,844,936
DESERVIR AND SURPLUS	. 5		•	6,195,362	•	6,195,362	159,001,519
PADMADKED FENDOWMENT FIINDS	က	108,583,457	4,941,284	46,183,663	6,857,261	166,565,665	319,773,228
DEFERENCED DISCONTINUES OF STREET STR	4	1,895,130,010	5,749,990		•	1,900,880,000	7,874,823
SECTIBED LOAN AND RORROWINGS		V			1		
TINGECTIDED LOAN & BORROWINGS				,		3	•
CITEDENT LIABILITIES AND PROVISIONS	2	896,279,926		75,000		896,354,926	722,473,010
TOTAL		3,601,519,562	10,691,274	52,454,025	6,857,261	3,671,522,122	2,747,967,516
ASSETS							
SSETS	9	1,936,403,401	5,749,990	6,195,362		1,948,348,753	1,560,989,696
INVESTMENTS	7	900,476,270	4,000,000	36,812,664	6,011,658	947,300,592	759,569,266
CHRENT ASSETS, LOANS AND ADVANCES	8	764,639,891	941,284	9,445,999	845,603	775,872,777	427,408,554
TOTAL		3,601,519,562	10,691,274	52,454,025	6,857,261	3,671,522,122	2,747,967,516
CONTINGENT LIABLITIES	15						
NOTES ON ACCOUNTS	16						



EXPENDITUR ACCOUNTS INCOMIE &



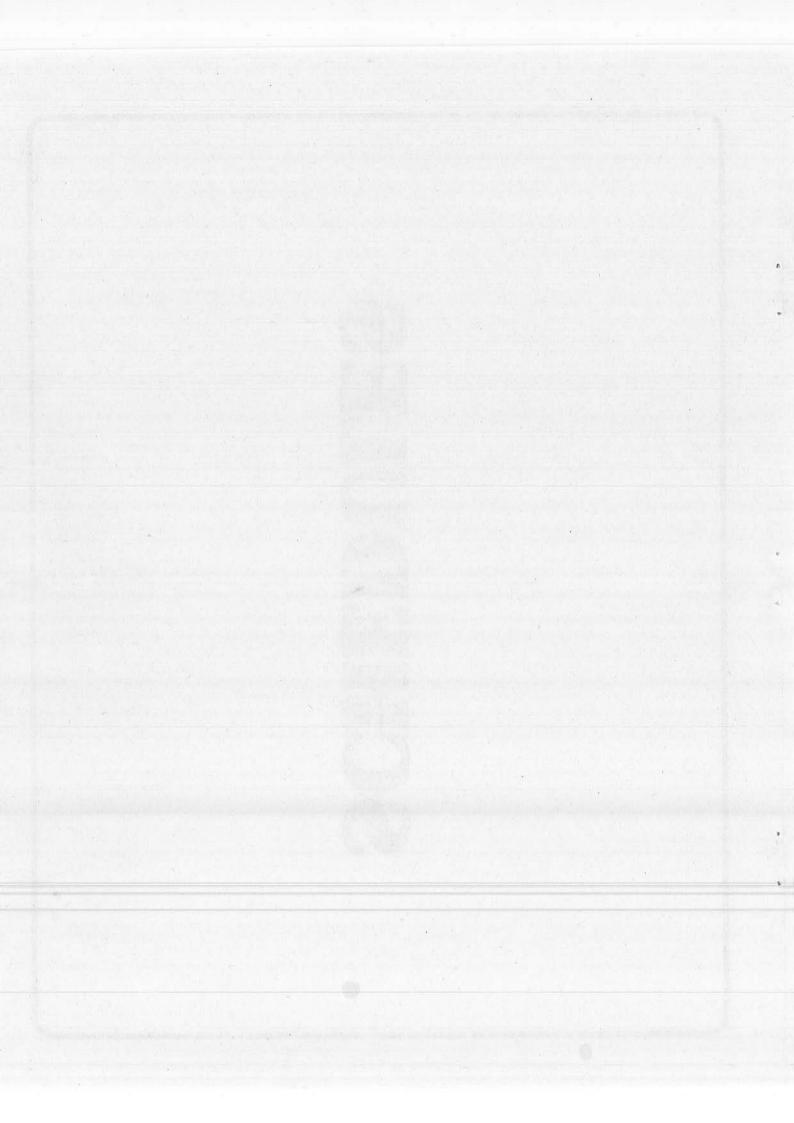
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA BALANCE SHEET AS ON 31ST MARCH 2013

(Amount in ₹)

INCOME	Schedule	24		Current year Amount (₹)	Amount (₹)			Previous Year Amount (₹)
		Main A/c	Scheme A/c	TEQIP-I A/c	1/c	Others A/c	Total	
Grants/Subsidies	6	430,000,000	3,514,525	336	9,270,680		442,785,541	190,000,000
Fees/Subscriptions	10	183,384,697		•		•	183,384,697	129,861,547
Interest Earned	11	92,802,516	73,447	21	3,332,392	957,572	97,165,948	17,883,535
Other Income	12	217,428,692	1,384,628	158,324,512	11,000	•	377,148,832	27,766,343
TOTAL (A)		923,615,905	4,972,600	158,324,869	12,614,072	957,572	1,100,485,018	365,511,425
EXPENDITURES								
Establishment Expenses	13	365,465,225	781,089	1	9,055,584		375,301,898	287,491,830
Other Administrative Expenses	14	44,534,297	2,733,436	357	215,096		47,483,186	67,790,202
Depriciation	9	193,489,693	1,367,738	158,324,512			353,181,943	74,081,452
TOTAL (B)		603,489,215	4,882,263	158,324,869	9,270,680		775,967,027	429,363,484
Excess of Income over Expenditure (A-B)		320,126,690	90,337	•	3,343,392	957,572	324,517,991	(63,852,059)
Trasfer to Earmarked Fund			90,337		3,343,392	957,572	4,391,301	
Trasfer to Current Liablities	F.	•	*	•	10!	•		*
BALANCE BEING SURPLUS/DEFICIT CARRIED TO CORPUS	TO CORPUS	320,126,690	240				320,126,690	(63,852,059)



SCHEDULES



(Amount in ₹)

				(Amount in 4)
SCHEDULE 1 - CAPITAL FUND	Current yea	Current year Amount (₹)	Previous Yea	Previous Year Amount (?)
(A) MAIN ACCOUNT				
Balance as at the beginning of the year	1,538,844,936		1,385,138,995	
a) Add: Fixed Assets During the Year from the Grant			214,154,266	
b) Add : Corpus Fund of MCA	103,573,380	1	3,403,734	
c) Less : Amount Transferred to Deferred Income adhering applicable norms	1,261,018,837		r.	
	÷	381,399,479		1,602,696,995
Add: Excess of Income over Expenditure during the year	. 1	320,126,690		(63,852,059)
Closing Balance		701,526,169	X III	1,538,844,936

(Amount in ₹)

				(
SCHEDULE 2 -RESERVE AND SURPLUS	Current year	Current year Amount (₹)	Previous Year Amount (?)	Amount (₹)
(A) - TEQIP - II				
Balance as at the beginning of the year	677,007			
Add- Fixed Assets Purchased during the year	5,518,355		677,007	
Closing Balance (A)		6,195,362		677,007
(B) - TEQIP - I			AF.	
Balance as at the beginning of the year	158,324,512		158,324,512	
Less: Amount Transferred To Income And Expenditure Account	158,324,512			
Closing Balance (B)				158,324,512
TOTAL (A+B)		6,195,362		159,001,519

(Amount in ₹)

166,565,665 4,941,284 6,857,261 46,183,663 108,583,457 4,941,284 49,927,808 58,655,649 Balances as on 31.03.2013 Closing 935,987,620 336 2,668,869 914,516,038 4,013,342 4,013,342 14,789,035 430,000,000 177,015,614 27,500,424 280,000,000 Total 2,728,966 2,668,869 760,09 760,09 Utilisation/Exp. Towards obj. of Fund during the Year Advances Refund/ 442,785,541 336 430,000,000 430,000,000 9,270,680 3,514,525 3,514,525 Revenue Erb. 490,473,113 5,518,355 438,720 438,720 27,500,424 177,015,614 484,516,038 280,000,000 Capital Exp. 1,102,553,285 336 9,526,130 60,972,698 1,023,099,495 8,954,626 8,954,626 177,015,614 430,000,000 27,500,424 49,927,808 280,000,000 58,655,649 Total 4,391,301 957,572 90,337 3,343,392 90,337 Other Income 778,388,756 2,483,593 40,000,000 5,181,358 5,181,358 430,000,000 730,723,805 14,904,023 280,000,000 5,819,782 Additions to the funds 319,773,228 336 6,084,965 17,629,306 3,682,931 292,375,690 27,500,424 3,682,931 Opening Balance as on 01.04.2012 35,023,785 177,015,614 52,835,867 SCHEDULE 3- EARMARKED/ENDOWMENT FUNDS 2- Institute Development Fund (Consultancy) 1- Non Recurring Grant from Govt. of India Total (A+B+C+D+E) Total (A) rotal (B) (C) TEQIP Account - II 6- Recuring Grant (GOI) (D) TEQIP Account - I 5- Grant -in-Aid OBC (B) Scheme Account (E) Other Accounts (A) MAIN ACCOUNT Student Fund 4- MBA

(Amount in ₹)

SCHEDULE 4 -DEFERRED GOVT. GRANTS	Current Year Amount (₹)	r Amount (₹)	Previous Yea	Previous Year Amount (₹)
(A) - Main Account	*			
Balance as at the beginning of the year				
Add- Fixed Assets Purchased during the year	485,340,895			
Add: Amount Transferred from Corpus Fund adhering applicable norms	1,598,078,049			
Less: Amount Transferred To Income And Expenditure Account	188,288,934			
Closing Balance (A)		1,895,130,010		
(B) - SCHEME				
Balance as at the beginning of the year	7,874,823		8,702,742	
Add- Fixed Assets Purchased during the year	438,720	*	1,203,302	
Less: Amount Transferred To Income And Expenditure Account	1,367,738		2,031,221	
Less: Amount Transferred to Scheme Account adhering applicable norms	1,195,815			
Closing Balance (B)		5,749,990		7,874,823
TOTAL (A+B)		1,900,880,000		7,874,823

A state of the content	SCHEDULE 5 - CURRENT LIABLITIES AND PROVISIONS	Current Year Amount (₹)	Previous Year Amount (₹)
A statutory Labilities 555/999/745 1			# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Serico S	(A) main Account		
16,746,203 16,746,203 17,746,203 18,746,203 18,746,203 19,7	1- Statutory Liabilities	557,699,745	413,737,262
2. Consultancy 2. Consultancy 3. Consultancy 3. Consultancy 4. Particle 4. In 1,376,674 5. Consultancy 5. Consultancy 6. Pradhan Mantri Gram Sadak Yojna 7. Pradhan Mantri Gram Sadak Yojna 8. Scholkrakin 8. Hother Schulty 9. Performance secirity 9. Hostel Sceunity 9. Jubracy Sceunity 9. Jubr	a) Contirbutory Provident Fund Account	16,746,203	14,828,818
Accountained		11,376,674	9,361,170
A Mile. Recovery & Payment 225,157	2- Consultancy		
A contractor Security 14,2,104	3- Other Liabilities	225,157	114,686
Do Other Scouting	a) Misc. Recovery & Payment	5,585,943	3,031,357
Application	b) Other Scholarship	350,727	350,727
A Contractor Security 142,104 142,104 142,104 142,104 142,104 142,104 142,104 142,104 142,104 142,104 142,104 142,104 140,104 140,105	c) Pradhan Mantri Gram Sadak Yojna	14.455.251	8,707,609
Performance sectify S,003,350 Performance sectify S,003,350 Performance sectify S,003,350 Performance security S,003,350 Performance security S,003,350 Performance security S,003,350 Performance security 1,500 Performanc	d) Contractor Security	142 104	
1) Hostel Security	e) Performance secirity	5 003 350	
g) House Security h) Labrary Security h) Labrary Security h) Labrary Security j) Other Security j) Other Security k) Alumini Association m) Practical Examination m) Practical Examination m) TDS Payable o) Central Councelling Board p)Amount payable to NBCC p)Aluminity Councelling Board	f) Hostel Security	62,000	
Approximation	g) House Security.	02,000	
ratity 22,130,528 ratity 52,130,528 rocation 332,591 samination 14,404,403 colling Board 19,010 ble to NBCC 28,985 ble to NBCC 28,985 Ceave Encashment TOTAL (A) 896,279,926 rocation 113,519,090 Total (B) 75,000 colling Board 113,519,090 Total (B) 75,000 colling Board 113,519,090 Total (B) 75,000 colling Board 113,519,090 colling	h) Library Security	9,230	
J) Other Security	i) Student Security	25,130,328	
K Alumini Association	i) Other Security	1,500	
J. Earnest Money 14,404,403 1, Earnest Money 1, 404,403 1, 19,010 1, 10,010	k) Alumini Association	332,591	i.
19,010 19,010 19,010 19,010 19,010 19,010 19,010 19,010 10,010 1	1) Earnest Money	14,404,403	
Digital Enterty of E	m) Practical Examination	19,010	
Central Councelling Board Central	n TDS Payable	7,410,595	
Discrete a Counce and State	a) Central Councelling Board		228,809
Print of print Pri	o) central councering come		10 H 2 X H
J. NIMCET	c) NIC	28,985	
4- PROVISIONS 1- Gratuity 2- Accumulated Leave Encashment TOTAL (A) 896,279,926 (B) TEQIP-II 75,000 a) Earnest Money TOTAL (B) 75,000 TOTAL (B) 896,354,926	L) NIMCET	93,853	
1- Gratuity 2- Accumulated Leave Encashment TOTAL (A) (B) TEQIP-II (B) TEQIP-II (C) TOTAL (B) (C) TOTAL (B) (C) TOTAL (B+B) (C) TOTAL (A+B)	4- PROVISIONS	•	
2- Accumulated Leave Encashment	1- Gratuity	113,519,090	
(B) TEQIP-II 75,000 a) Earnest Money TOTAL (B) TOTAL (B) 75,000 GRAND TOTAL (A+B) 896,354,926	2- Accumulated Leave Encashment	123,593,167	
(B) TEQIP-II 75,000 TOTAL (B) TOTAL (B) 896,354,926		896,279,926	
(B) TEQIP-II 75,000 a) Earnest Money 75,000 TOTAL (B) 75,000 GRAND TOTAL (A+B) 896,354,926			
a) Earnest Money 75,000 TOTAL (B) 75,000 TOTAL (A+B) 896,354,926	(B) TEQIP-II		
(A+B) 896,354,926	1	75,000	
(A+B) 896,354,926			
(A+B) 896,354,926	TOTAL (B)	75,000	
(A+B)		906 254 006	
	GRAND TOTAL (A+B)	000,000	100

E

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

84/Director
Rational Institute Of Technology,
Karukshetra 1,948,348,753 93,570 4,773,336 254,902 5,749,990 3,212,449 3,372,955 83,546 544,636 6,195,362 143,773,532 1,936,403,401 5,202,691 Closing Balance 1,706,669,704 25,680,572 701,994 4,167 37,961,769 13,650,939 992,671 1,375,320 (Amount in ₹) 31.03.2013 as on 353,181,943 2,114,566 5,000,000 158,324,512 374,773 193,489,693 327,674 1,367,738 116,210,673 15,999,273 19,000,000 839,898 140,355 9.144 735 23,803,073 300,854 2,972,867 50,667 During the year 144,272,184 4,520,666 4,194,680 13,049,861 Depriciation 15% %09 %09 10% 10% SCHDULES FORMING PART OF BALANCE SHEET AS ON 31st MARCH 2013 10% Rate 15% 15% 10% 30% 15% 10% %09 %09 % %0 2,301,530,696 15,999,273 2,114,566 158,324,512 116,210,673 5,000,000 19,000,000 4,902 167,576,605 5,613,234 582,576 233,925 92,690 595,303 7,117,728 6,195,362 26,700,800 6,185,316 2,129,893,094 5,202,691 992,671 30,201,238 3,747,728 1,850,941,888 1,002,848 42,156,449 1.375.320 Total Amount 612,201,087 Sales/Adjustment during the year 2,897 611,453,120 467,070 612,201,087 158,000 120,000 1,185,062,816 Addition on or Addition on or before 30.9.2012 after 1.10.2012 1,180,273,893 72,905 2,500 177,271 4,508,422 2,461,074 3,515,751 9,902,065 17,778,904 333,145,527 27,825 280,501 992,671 816,440,091 126,931 419,301 167,679,271 15,100 166,511,119 7,950 1,009,933 1,009,933 82,865,906 1,200,399 120,179 14,990 158,219 15,718,968 42,977,120 18,183,495 5,565,231 1,560,989,696 5,000,000 158,324,512 75,090 2,114,566 19,000,000 800,679,0 116,210,673 15,999,273 Opening Balance 2,526,740 3,747,728 1,395,309,169 233,925 410,082 677,007 677,007 4,902 23,553,653 134,545,803 195,441,687 5,465,230 494,681 1,375,320 991,524,677 30,074,307 1,160,848 11,353,504 GROSS BLOCK 01.04.2012 SCHEDULE 6 - FIXED ASSETS GRAND TOTAL(A+B+C+D) TOTAL - D TOTAL - C TOTAL - A TOTAL -B 11- Capital Work in Progress 4- Vehicle- Bus & Motot Van 10- Tubewell & Water Supply 5- Vehicle - Cycle Rickshaw 7- Computer/Peripherials b) Computer & Peripherial 8- Electrical Equipments d) Electrical Installations 6- Furnitute & Fixuture e) Furnitute & Fixuture a) Plant & Machinary 3- Plant & Machinary (A) MAIN ACCOUNT 1- Land Freehold 9- Library Books b) Books & LRs c)Library Books b) Books & LRs c) Equipment п-чот (с) D) TEQIP -I d) Furniture d) Furniture 2- Building (B) Scheme e) Building c) Vehicle a) Goods a) Goods

8

(Amount in ₹)

SCHEDULE 7 - INVESTMENTS	Current Year Amount (₹)	Previous Year Amount (₹)
(A) Main Account FDR's		
a) CPF A/C		
200	5,000,000	77,000,000
2. State Bank of Patiala, Kurukshetra	31,731,243	180,738,719
3- State Bank of Bikaner & Jaipur, Kurukshetra	118,725,677	30,601,165
4- IDBI Bank Kurukshefra	85,019,657	85,019,657
5-Conera hank	169,493,361	
h) Wain Current Account	406,078,926	355,864,829
c) Student Activity Fund	7,462,208	7,196,045
d) WCA	76,965,198	Ä.
TOTAL (A)	900,476,270	736,420,415
B) Other FDR's		
a) Scheme Account	4,000,000	4,211,969
b) TEOIP Account - II	36,812,664	13,060,000
c) Other Accounts	6,011,658	5,876,882
TOTAL (B)	46,824,322	23,148,851
TOTAL(A)+(B)	947,300,592	759,569,266
		-/ps

Fame to be a count to the cou	SCHDULE 8 - CURRENT ASSETS, LOANS AND ADVANCES	Current Year Amount (₹)	Amount (₹)	Previous Year Amount (₹)	Amount (₹)
143,247,874 16,7128,383 143,247,874 18,401, 18,401, 18,147,623 11,313,998 18,147,623 11,7139 19,203,603 11,71399 11,7139	A- Main Account				
107,253,383	1- Bank Balances		143,247,874		18,401,876
11,313,998	a) SBI Saving A/c (Main)	107,253,383		(5,720,870)	
9,508,046 5,973,394 7,41,605 5,973,394 7,730,842 169,273,600 127,424 146,815,250 204,304 146,815,250 22,924 35,270,701 21,275,914 22,230 49,388 34,986 14,587 113,519,090 113,519,090 114,607 123,539,167 421,964, 68,944 764,639,891 421,964, 68,944 941,284 666, 1,915,796 4,569,306 4,569,306 1,915,796 9,445,999 4,569,306 1,915,796 9,445,999 4,569,306 1,915,796 9,445,999 4,569,306 1,915,796 9,445,999 4,569,306 1,915,796 9,445,999 4,569,306 1,915,796 9,445,999 4,569,306 1,915,796 9,445,099 1,915,098 1,915,796 1,915,098 1,915,098 1,915,797 1,915,098 1,915,098 1,915,797 1,915,098 1,915,098	b) SBI Saving A/c (CPF)	11,313,998		18,147,623	
7,441,605 169,273,600 1,774,24 1,730,842 169,273,600 1,774,24 146,815,250 204 146,815,250 204 146,815,250 204 146,815,250 204 146,815,250 204 146,815,250 204 146,815,250 204 140,707 20,230 11,105,70 11,23,53,10 11,23,53,10 271,547 11,915,70 445,69,306 11,915,70 445,69,306 11,915,70 445,69,306 11,915,70 445,69,306 11,915,70 445,69,306 11,915,70 445,69,306 11,915,70 445,69,306 11,915,70 445,69,306 11,915,70 445,609,306 11,915,70 11,915,706 11,915,70 11,915,706 11,915,70 11,915,706 11,915,70 11,915,706 11,915,70 11,915,706 11,915,70 11,915,706 11,915,70 </td <td>c) IDBI Saving A/c (Main SAF)</td> <td>9,508,046</td> <td></td> <td>1,729</td> <td></td>	c) IDBI Saving A/c (Main SAF)	9,508,046		1,729	
7,730,842 169,273,600 - 127,424 166,815,250 204,200 166,815,250 204,200 21,275,914 22,230 40,338 31,275,914 21,275,914 22,230 40,338 31,14,607 113,519,090 114,607 113,519,090 114,607 113,519,090 114,607 113,519,090 114,607 113,519,090 114,607 113,519,090 107,270 68,944 941,284 666, 7,530,203 4,569,306 4,569,306 1,915,796 9,445,999 4,569,306 1,915,796 9,445,999 - 4,569,306 1,915,796 - - - 407,179 845,603 - - 407,179 208,083 - - 427,408 - - -	d) IDBI Bank Saving A/c (Main TDS)	7,441,605		5,973,394	
169,273,600 127,424, 146,815,250 204, 204, 20,234, 20,244, 2	e) SBI Saving A/c (MCA)	7,730,842			
146,815,250 204,	2- Advances to PWD/NBCC/CPWD		169,273,600		127,424,004
35,259,613 25,924 5,700,701 25,924 49,358 31,936 34,986 31 5,870,338 34,986 5,870,338 5,870 113,519,090 114,607 113,519,090 114,607 113,519,090 114,607 68,944 764,639,891 421,964 68,944 941,284 666, 1,915,796 4,569,306 4,569, 1,915,796 - - 438,424 9,445,999 4,569, 407,179 - - 407,179 - - 407,179 845,603 - 845,603 - - 845,603 - - 8477,408, - -	3- Loans to Employees (CPF)		146,815,250		204,380
5,700,701 21,275,914 22,230 49,358 31 49,358 31 49,358 31 113,519,090 114,607 113,519,090 114,607 113,519,090 114,607 123,593,167 107,270 68,944 271,547 68,944 941,284 666, 1,915,796 4,569,306 4,569, 1,915,796 9,445,999 4,569,306 1,915,796 208,083 4,569, 1,915,796 208,083 208, 407,179 845,603 208,083 407,179 845,603 208,083	4- Interest accrued but not receive (Main A/c FDR's)		35,259,613		25,924,005
A/c FDR(s) 21,275,914 22,230 49,388 49,388 31 49,388 31 32,203 49,388 31 31,3519,090 114,607 4) 113,519,090 114,607 114,607 4) 764,639,891 271,547 421,964 8) 872,340 764,639,891 421,964 8) 872,340 271,547 421,964 8) 66,544 941,284 4,569,306 4,569,306 1) 1,915,796 9,445,999 4,569,306 4,569,306 1) - - 4,569,306 - 1) - - 4,569,306 - 1) - - - 4,569,306 - 1) - - - - - - 1) 438,424 407,179 - - - - 2) 4407,179 845,603 - - - 2) 450	5- Interest accrued but not receive (MCA A/c FDR's)		5,700,701		
13,1986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34,986 31, 34, 34, 34, 34, 34, 34, 34, 34, 34, 34	6- Interest accrued but not receive (CPF A/c FDR's)		21,275,914		22,230,098
34,986 31, 5,870,338 5,870, 113,519,090 114,607 113,519,090 114,607 113,519,090 114,607, 113,519,090 114,607, 113,519,090 114,274 11,915,796 11,915,796 113,519,090 11,915,796 11,915,796 113,519,090 11,915,796 11,915,796 113,519,090 11,915,796 11,915,796 113,519,090 11,915,796 113,519,090 11,915,796 113,519,090 11,915,796 113,519,090 11,915,796 113,519,090 11,915,796 113,519,090 11,915,796 113,519,090 11,915,796 113,519,090 11,915,796 113,519,090 11,915,790 113,519,090 11,915,790 113,519,090 11,915,790 113,519,090 11,915,790 113,519,090 11,915,790 113,519,090 11,915,790 113,519,090 11,915,790 113,519,090 11,915,790 113,519,090 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000 11,915,790 113,519,000	7- Prepaid internet charges		49,358		•
1,000,000 1,000,000,000 1,000,000	8- Advance to Employees		34,986		31,957
113,519,090 114,607 113,519,090 114,607 113,519,3167 107,270 113,513,693,167 107,270 123,593,167 107,270 123,593,167 107,270 123,593,167 107,270 123,593,167 107,270 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,167 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 103,096 123,593,177 103,096 123,593	9- Others (Security with HVPN & BSNL)		5,870,338		5,870,338
Accommated Leave Encashment Assets	10-Gratuity Assets		113,519,090		114,607,109
Scheme FOTAL (A) TOTAL (A) 421,964, Scheme SBI Saving A/c 872,340 271,547 SBI Saving A/c 68,944 30,096 30,096 Interest accrued but not receive 68,944 941,284 666, TEQIP ACCOUNT - II 7,530,203 4,569,306 666, Interest accrued but not receive 1,915,796 4,569,306 666, Interest accrued but not receive 1,915,796 9,445,999 6,569, TEQIP ACCOUNT - I SBI Saving A/c 336 6,569, TEQIP ACCOUNT - I 336 6,569, 6,569, TEQIP ACCOUNT - I 336 6,569, 6,569, SBI Saving A/c 1,915,796 9,445,999 6,569, Other Accounts TOTAL (D) 6,569, 6,569, SBI Saving Bank A/c 438,424 6,08,083 6,569, Interest accrued but not receive 407,179 6,08,083 6,08,083 Interest accrued but not receive 407,179 6,08,083 6,08,083 6,08,083	11-Accumated Leave Encashment Assets		123,593,167		107,270,285
Scheme Scheme 872,340 271,547 872,340 271,547 872,340 271,547 872,340 271,547 872,340 271,547 90,096 <	TOTAL (A)		764,639,891		421,964,052
SBI Saving A/c 872,340 271,547 Advance to Employee 68,944 271,547 Interest accrued but not receive 68,944 941,284 666, TEQIP ACCOUNT - II 7,530,203 4,569,306 - SBI Saving A/c TOTAL (C) 9,445,999 4,569,306 - Interest accrued but not receive 1,915,796 9,445,999 4,569,306 - SBI Saving A/c TOTAL (C) - 336 - - SBI Saving A/c Chier Accounts - 336 - - SBI Saving Bank A/c Other Accounts - - - - - Other Accounts TOTAL (B) 438,424 208,083 - - Ball Saving Bank A/c TOTAL (B) 845,603 - - Interest accrued but not receive TOTAL (B) - - - Ball Saving Bank A/c TOTAL (B) - - - - TOTAL (B) - - -	B- Scheme				
Advance to Employee Advance to Employee 30,096 Interest accrued but not receive 68,944 941,284 365,134 Expire ACCOUNT - II TEQIP ACCOUNT - II SBI Saving A/c TOTAL (C) 4,569,306 4,569,306 Interest accrued but not receive 1,915,796 9,445,999 4,569,306 SBI Saving A/c Contact accrued but not receive 208,083 4,569,306 Interest accrued but not receive 438,424 208,083 208,083 Other Accounts 447,179 208,083 208,083 Interest accrued but not receive 407,179 845,603 208,083 Interest accrued but not receive 407,179 845,603 208,083	a) SBI Saving A/c	872,340		271,547	
Interest accrued but not receive 68,944 941,284 966, TOTAL (B)	b) Advance to Employee			30,096	
TOTAL (B) 941,284 666, TEQIP ACCOUNT - II 7,530,203 4,569,306 66, SBI Saving A/c 1,915,796 9,445,999 4,569,306 4,569,306 Interest accrued but not receive 1,915,796 9,445,999 4,569,306 4,569,306 SBI Saving A/c 1,915,796 9,445,999 4,569,306 4,569,306 Interest accrued but not receive TOTAL (D) 1 2 2 2 2 2 2 2 2 3 2 2 3 2 3 3 2 3	c) Interest accrued but not receive	68,944		365,134	
TEQIP ACCOUNT - II Tigor Accounts 7,530,203 4,569,306 SBI Saving A/c 1,915,796 4,569,306 4,569,306 Interest accrued but not receive 7,530,203 4,569,306 4,569,306 SBI Saving A/c 836 4,569,306 4,569,306 4,569,306 SBI Saving A/c - 336 - 4,569,306 - Other Accounts TOTAL (D) - - - - - SBI Saving Bank A/c 438,424 -	TOTAL (B)		941,284		222
SBI Saving A/c 7,530,203 4,569,306 Interest accrued but not receive TOTAL (C) 9,445,999 4,569,306 TEQIP ACCOUNT - I 9,445,999 4,569,306 4,569,306 SBI Saving A/c - 336 4,569,306 Interest accrued but not receive - 336 - Other Accounts 438,424 208,083 - SBI Saving Bank A/c 407,179 845,603 - Interest accrued but not receive 407,179 845,603 - Interest accrued but not receive 407,179 845,603 - Receive - - - - Interest accrued but not receive - - - - Annual Call (E) Annual Call (E) - - - - Annual Call (E) Annual Call (E) -	C- TEQIP ACCOUNT - II				
Interest accrued but not receive 1,915,796 9,445,999 4,569, TEQIP ACCOUNT - I SBI Saving A/c - 336 4,569, SBI Saving A/c - 336 -	a) SBI Saving A/c	7,530,203		4,569,306	
TEQIP ACCOUNT - I 9,445,999 4,569, SBI Saving A/c - 336 Interest accrued but not receive - - Other Accounts - - SBI Saving Bank A/c +38,424 - SBI Saving Bank A/c +47,179 - Interest accrued but not receive +407,179 - Interest accrued but not receive 407,179 - Interest accrued but not receive 407,179 - Interest accrued but not receive 407,179 -	b) Interest accrued but not receive	1,915,796			TRACTIC RELIGIOUS
TEQIP ACCOUNT - I - - 336 SBI Saving A/c - - - Interest accrued but not receive - - - Other Accounts - - - Other Accounts - - - SBI Saving Bank A/c 438,424 208,083 - Interest accrued but not receive 407,179 - - Interest accrued but not receive 447,408 - - GRAND TOTAL (A+B+C+D+B) 7775,777 427,408,	TOTAL (C)		9,445,999		4,569,306
SBI Saving A/c - 336 Interest accrued but not receive - - - Other Accounts - - - Other Accounts 438,424 - - SBI Saving Bank A/c 407,179 845,603 - Interest accrued but not receive 407,179 845,603 - Interest accrued but not receive - 845,603 - GRAND TOTAL (A+B+C+D+E) - - - GRAND TOTAL (A+B+C+D+E) - - -	D- TEQIP ACCOUNT - I				
Interest accrued but not receive - <	a) SBI Saving A/c			336	
Other Accounts TOTAL (D) -	b) Interest accrued but not receive			• 3 00 00 00 00 00 00 00 00 00 00 00 00 0	
Other Accounts 438,424 208,083 SBI Saving Bank A/c 407,179 - Interest accrued but not receive 407,179 845,603 TOTAL (E) 845,603 - GRAND TOTAL (A+B+C+D+E) 775,872,777 427,	TOTAL (D)		•		336
SBI Saving Bank A/c 438,424 208,083 Interest accrued but not receive 407,179 - Interest accrued but not receive 845,603 - CRAND TOTAL (A+B+C+D+E) 7775,872,777 427,					
AL (E) 407,179 - AL (E) 845,603 L (A+B+C+D+E) 775,872,777 427,	a) SBI Saving Bank A/c	438,424		208,083	
AL (E) 845,603 L (A+B+C+D+E) 775,872,777 427,	b) Interest accrued but not receive	407,179		•	
775,872,777	TOTAL (E)		845,603		208,083
775,872,777				STATE STATE OF THE	
	GRAND TOTAL (A+B+C+D+E)		775,872,777		427,408,554

(Amount in ₹)

			Current Year Amount(₹)	mount(<)			Amount (3)
SCHEDULE 9 - GRANT/SUBSIDIES	WATN	SCHEME	TEOIP-I	п-поат	OTHERS	TOTAL	Amount (1)
	420 000 000	3 514 505	336	9,270,680	•	442,785,541	190,000,000
1- Central Government	450,000,000	0,01,100					
2. State Government			•				
2- Diate dovernment						•	•
3- VGCE Guest Classes						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			•	•			
4- Institutes/weitare Bodies.							
T. T. T. T. Commissions	•	•			•		
5- International Organisisations							The second second
6- Other (specify)	•			· The second			
Compact (Special)							
					THE STREET	1 A TO MOR PA 1	100,000,000
TOTAL	430.000.000	3,514,525	336	9,270,680	•	146,000,744	

(Amount in ₹) SCHDULES FORMING PART OF BALANCE SHEET AS ON 31st MARCH 2013 NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

			Current Year Amount(₹)	· Amount(₹)			Previous real
SCHEDULE 10 - FEES/SUBSCRIPTIONS	MAIN	SCHEME	TEQIP-I	теоп-п	OTHERS	TOTAL	Amount (1)
1						•	
1- Entrance Fees							
2 Annual Rees / Subscriptions	170.584.894	· See Book See			•	170,584,894	123,085,169
2- minda i cos) bassarbasar	12 709 803					12,799,803	6,776,378
3- Institute Development Fee	14,12,000						
4- Consutlancy Fees	•				•	•	
5. Others			+3 +3		•	•	
19404	183.384.697				•	183,384,697	129,861,547

delicate mondenam 11 a minemoo			Current Year Amount(₹)	\mount(₹)			Previous Year
SCHEDULE II - IN IERESI EARNED	MAIN	SCHEME	TEQIP-I	теоп-п	OTHERS	TOTAL	Amount (₹)
1- Term Deposits	92,090,629	68,944	•	3,236,649	941,538	96,337,760	17,883,535
2- Saving Accounts	711,887	4,503	21	95,743	16,034	828,188	
3- Loans		•	•	•		the state of the second	
4- Debtors and Other Receivables		t.			•		
TOTAL	92,802,516	73,447	21	3,332,392	957,572	97,165,948	17,883,535

SCHDULES FORMING PART OF BALANCE SHEET AS ON 31st MARCH 2013 NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

awooni danao ot a muanos			Current Year Amount(₹)	\mount(₹)			Previous Year
SCHEDOLE 12 - OTHER INCOME	MAIN	SCHEME	TEQIP-I	теор-п	OTHERS	TOTAL	Amount (₹)
1- Hire of Vehicles	44,428					44,428	118,926
2- Lease of Land/Khikha	1,186,962	•	1			1,186,962	1,175,960
3- Misc. Income	3,438,148	16,890		11,000	5	3,466,038	10,622,029
4- Income from Xerox	10,600	•				10,600	4,800
5- Income from Rent	502,198					502,198	316,752
6- Water Charges	178,407	•	•			178,407	32,940
7-Others (Sale of Prospectus)	1,246,557					1,246,557	3,818,299
8- Sale of Tender Forms	54,450	*	•			54,450	50,500
9- Seat Rent	14,065,020		•		•	14,065,020	9,546,307
10- Watch & Ward	7,892,948	*				7,892,948	1,866,000
11- Guest house charges	35,419	•	•	•		35,419	
12- License Fee	484,621		•			484,621	213,830
13- Deferred Govt. Grant	188,288,934	1,367,738	158,324,512			347,981,184	91.
TOTAL	217,428,692	1,384,628	158,324,512	11,000	. 7	377,148,832	27,766,343

MAIN SCHEME TEQIP-II OTHERS GRAND TOTAL 161,531,719 161,531,719 73,396,786 73,396,786 169,128 73,396,786 169,128 73,396,786 169,128 73,396,786 169,128 73,396,786 169,128 169,128 163,380 2,802,183 163,181,982 153,380 5,795,546 591,515 153,380 153,380 6,181,982 153,380 153,380 2,283,560 153,380 153,380 2,384,680 1,31,480 1,23,380 1,31,440				Current Y	Current Year Amount (A	_		Amount (A)
Pacelly Staff	SCHEDULE 13 - ESTABLISHMENT EXPENSES	MAIN	SCHEME	TEQIP-I	TEQIP-II	OTHERS	GRAND TOTAL	Amount (A)
Table Tabl		1 8 1			Z 04.			
161,531,719 1.95,24 1.95,24 1.95,24 1.95,26 1.86 1.95,24 1.95,26 1.95,24 1.9	1. Salaries and Wages	17.			15	100		200
19 19 20 20 20 20 20 20 20 2	of Down & DA of Romilty Staff	161,531,719		-		-	161,531,719	136,525,403
15 17 15 17 15 15 15 15	t) Day & Dit of Non Bomilty Staff	73.396.786		•	1	•	73,396,786	67,469,210
United State 2,802,183 3,30 1,10 1,20,128 1	b) Fay & DA of Noil-Facuity State	917.451	1	,	•		917,451	677,791
169,128 120,	c) LIC - Non teaching Stair	2 802 183		•	-1		2,802,183	3,343,874
	d) LIC reaching Stair	169 128	•		· ·		169,128	•
Persisted 123,2546 591,515 90,240 6,477,301 1 Persisted 123,834,289 1 Persisted 1,825,546 591,515 90,240 6,181,982 1 Persisted 1,824,289 1	e) Leave Salary Contribution	150 000				•	153,380	•
Selary of Connectual Staff Selary of Connectual Services 2,842,289 -	f) Pension	153,380	1 11		000 000		6 477,301	
Name	g) Salary of Conractual Staff	5,795,546	591,515		30,240		090 700 00	
Salary and Wages MEA/MCA	h) Wages For Outsourcing Services	23,834,289	-			•	23,834,289	
Second Second Science and Bonus 790,698	i)Salary and Wages MBA/MCA	6,181,982	1	,			6,181,982	•
a) Bonus b) Attending Conferences/Workshops / CPDA 2,233,560 c) House Rent Allowance c) 2,233,560 c) House Rent Allowance c) 2,867,399 c) House Rent Allowance c) 2,867,399 c) House Rent Allowance c) 2,867,399 c) Transport Allowance g) Children Education Education g) Children Education Education g) Children Education Education g) Children Educ	2. Allowance and Bonus		100					
ops / CPDA 2,233,560 - - 2,233,560 10,5 2,726,019 - - 2,726,019 2,726,01<	ol Bonnie	869'062	•	•	-		790,698	809,100
2,726,019 - - - 2,726,019 2,726,019 2,726,019 2,726,019 2,726,019 2,726,019 2,726,019 2,726,019 2,2667,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,2867,399 2,286,381 4,486 2,286,481 1,44 3,217,065	b) Attending Conferences /Workshops / CPDA	2,233,560		1	13		2,233,560	10,566,530
2,867,399 - - - 2,867,399 2,8 7,834,647 189,574 - - - 8,095,883 6,6 3,217,065 - - - - 56,954 - - 56,954 6,6 8,404,814 - - - - 8,404,814 14,7 14,7 14,7 14,1	of attending constance, manage,	2,726,019	ı	1		•	2,726,019	2,418,190
7,834,647 189,574 - 71,662 - 8,095,883 6,8 7,834,647 189,574 - - - 56,954 6,8 3,217,065 - - - - 56,954 14,7 8,404,814 - - - 8,404,814 14,7 8,0480 - - - 8,404,814 14,7 8,0480 - - - 8,404,814 14,7 8,0480 - - - 8,404,814 14,7 8,0480 - - - 9,998,043 9, 12,124,608 - - - 12,124,608 9, 2,002,662 - - - 2,002,662 - 31,403,790 - - - 2,002,662 - 5,243,388 - - - 232,558 - 5,475,946 4, 1,030,754 - - - - 1,030,7	c) House Kent Anowalice	2 867 399		ı		**	2,867,399	2,877,728
56,954 - - - 56,954 3,217,065 - - - - 56,954 8,404,814 - - - 8,404,814 14, 80,480 - - - 8,404,814 14, 80,480 - - - 8,404,814 14, 80,480 - - - 9,998,043 9, 12,124,608 - - - 9,998,043 9, 2,002,662 - - - 12,124,608 9, 2,002,662 - - - 12,124,608 9, 31,403,790 - - - 2,002,662 9, 45,243,388 - - 8,661,124 - 40,064,914 4, 5,243,388 - - 232,558 - 11,030,754 - 11,030,754 - 11,030,754 - - 263,682 - - 263,682 - - 263,682 - - 263,682 - - 11,030,754 -	d) Medical Reimbursement	7 834 647	189 574		71.662	The property	8,095,883	6,811,426
3,217,065 - - 3,217,065 - - 3,217,065 - - 3,217,065 - - 3,217,065 - - 8,404,814 14,7 14,7 14,7 14,7 14,7 14,7 14,7 14,7 14,7 14,7 14,7 14,4 14,7	e) Transport Allowance	100,000					56.954	
3,217,065 -	f) Washing Allowance	50,954					3,	
8,404,814 -	g) Children Education allowance	3,217,065						
80,480 - - - 80,480 9,998,043 - - - 9,998,043 12,124,608 - - - 9,998,043 2,002,662 - - - 12,124,608 9, 2,002,662 - - - 2,002,662 9, 2,002,662 - - - 2,002,662 9, 31,403,790 - - - 40,064,914 26, 5,243,388 - - 8,661,124 - 40,064,914 26, 1,030,754 - - 232,558 - 5,475,946 4, 288,921 - - - 1,030,754 - - 288,921 283,682 - - - - - 263,682 - - 263,682 - - - 263,682 - - - 263,682 - - - - - - - - - - - - - - - -	3- Contribution to Provident Fund	8,404,814		•				14,109,452
nent Gratuity 12,124,608 - - 9,998,043 - - 9,998,043 9,998,043 ne 12,124,608 - - - - 12,124,608 9,9 ne 12,124,608 - - - - 12,124,608 9, ne 2,002,662 - - - - 2,002,662 - courses 31,403,790 - - - - 2,002,662 - urses 31,403,790 - - - - 40,064,914 26, urses 5,243,388 - - 232,558 - 5,475,946 4, fer grant 1,030,754 - - - - 1,030,754 - er grant 263,682 - - - - - 288,921 match - - - - - - - - - - - -	4- Staff Welfare Fund	80,480	-	-			80,480	83,580
nent Gratuity 12,124,608 - - - 12,124,608 9, ne 2,002,662 - - - 12,124,608 9, ne 2,002,662 - - - 2,002,662 - - 2,002,662 9, ourses 31,403,790 - - 8,661,124 - 40,064,914 26, urses 5,243,388 - - 8,661,124 - 40,064,914 4,6 inses 5,243,388 - - 232,558 - 5,475,946 4, inses 5,243,388 -	5- Leave encashment	9,998,043	-					
2,002,662 - - - 2,002,662 - - - - 2,002,662 - - - - - - - - - - - - - - - - - - - - - - - - - - - - 5,243,388 - <td< td=""><td>6- Death cum Retirement Gratuity</td><td>12,124,608</td><td>-</td><td>•</td><td></td><td></td><td></td><td>9,121,005</td></td<>	6- Death cum Retirement Gratuity	12,124,608	-	•				9,121,005
ress ics 31,403,790 8,661,124 8,661,124 8,661,124 40,064,914 - 26,243,388 232,558 - 5,243,388 232,558 - 1,030,754 1,030,754 1,030,754 288,921	7. New Pension Scheme	2,002,662	•	1				
duate Courses 31,403,790 -	8. Scholarship			•	6 .			
ies	ol Undergraduate Courses			ľ				252,000
ies 232,558 5,475,946 4, iies 115,277 1,030,754 - 1,030,754 1,030,754 - 1,030,754 1,030,754 1,030,754 1,030,754 1,030,754 288,921 - 288,921 263,682 263,682 263,682 263,682 263,682 263,682	h Postoraduate Courses	31,403,790		1	8,661,124		40,	2
ies 115,277 - - - - - 115,277 fembers 1,030,754 - - - - 1,030,754 posite transfer grant 263,682 - - - - 288,921 traff - - - - - 263,682 - Traff - - - - - 263,682 - TOTAL 365,465,225 781,089 - 9,055,584 375,301,898 287,4	Cl Ph D	5,243,388	1	1	232,558		5,475,946	
ies 115,277 - - - - 115,277 fembers 1,030,754 - - - - 1,030,754 posite transfer grant 288,921 - - - - 288,921 staff - - - - - 263,682 TOTAL 365,465,225 781,089 - 9,055,584 375,301,898 287,4	0. Others							
ansfer grant 288,921 1,030,754 ansfer grant 288,921 288,921 263,682 263,682 ansfer grant 263,682 9,055,584 375,301,898 287,4	of literies	115.277	,	r			115,277	
ansfer grant 288,921 - - - - 288,921 263,682 - - - 263,682 - 263,682 TOTAL 365,465,225 781,089 - 9,055,584 375,301,898 287,4	h TA Members	1.030,754						
263,682 - - - 263,682 365,465,225 781,089 - 9,055,584 375,301,898	o) Composite transfer grant	288,921	1	1				
TOTAL 365,465,225 781,089 - 9,055,584 375,301,898	d) TA Staff	263,682						
365,465,225 781,089 - 9,055,584 375,301,898								
	TOTAL	365,465,225	781,089	8.0			375,301,898	

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

SCHDULES FORMING PART OF BALANCE SHEET AS ON 31st MARCH 2013 (Amount in 7)

		Ö	Current Year A	Amount (7)			Previous Year
SCHEDULE 14 - OTHER ADMINIDTRATIVE EXPENSES	MAIN	SCHEME		теоп-п	OTHERS	GRAND TOTAL	Amount (₹)
1- Electricity and Power				1 PR 1 PR			
a) Elect. Tariff for Deptts,	12,449,175					12,449,175	5,986,940
b) Electricity Tariff for Water Supply	2,220,576	•				2,220,576	1,774,968
c) Maintinance of Street light	242,846	-		•	•	242,846	198,908
2- Repair and Maintinance							
a) Maintinance of Campus	371,114		-	•	ı	371,114	261,568
b) Maintinance of Electrical Fitting	1,274,349	•		٠	- 31 110 11	1,274,349	963,630
c) Maintinance of Hostel Building	683,850	•				683,850	768,235
d) Maintinance of Instructional Building	166'569				•	166269	903,817
e) Maintinance of Roads	1,203,538					1,203,538	917,902
f) Maintinance of Staff Quarters	704,916	•		•		704,916	694,606
g) Maintinance of water Supply & Disposal	821,180	•	•	•). 0 .	821,180	908,790
h) Maintinance of Computer/library	1,706,963	61,386		•		1,768,349	1,708,174
3- Vehicles Running and Maintinance	B. Charles and C. Cha						
a) Maintinance of Vehicles	940,678	•	•	•	•	920,678	749,600
b) Special Repairs to Vehicles	74,562	•		•	•	74,562	•
4- Postage, Telephone and Communication Charges							
a) Postage & Telegram	336,344		•	•	•	336,344	200,000
b) Telephone Charges	1,210,846	16,007		-		1,226,853	101,988
5- Printing and Stationary	671,525	009'99		094'6		747,885	583,285
6- News Paper & Magzine	43,456					43,456	17,683
7- Professional Charges	1,160,090			11,000		1,171,090	49,810
8- Hospital, Medical and other Charges	968,894	•		•		468,866	929,224
9- Departmental operating cost	1,445,692	•			-	1,445,692	1,644,951
10- Advertisement and Publicity	1,078,020	2,600	F	156,053		1,239,673	405,547
11- E Resources & Journals	7,098,794					7,098,794	6,737,519
12- Study tours of students	100 N	• "		•	-	•	060'2
13- Survey Camp			1000	- 1 - 0	-	***************************************	106,625
14- Campus interview for Students	145,832					145,832	156,922
15- NCC	21,677	-0			-	21,677	16,400
16- Misc. Contigencies	1,730,934	1,840,159	357	38,283	- 300 500	3,609,733	28,214,570
17- Other Administrative Expenses	155,110			(2 m/c = 1 m/c)	•	155,110	12,427,519
18- Hindi Saptah Sammelan	26,789					56,789	54,995
19- Summer School	- CONTROL OF THE PARTY OF THE P	•	•		•		298,936
20- AMC Charges	237,502		•		- 111	237,502	•
21- Computer softwares	3,708,442	743,684		7	•	4,452,126	•
22- Diesel and Petrol	849,856	•		•		849,856	•
23- Library Expenses	105,358	•	-			105,358	
24- NIT Transit House Contribution	150,000	•			•	150,000	•
TOTAL	44,534,297	2,733,436	357	215.096	4	47.483.186	200 002 29
		TOTAL STREET,	The state of the s	Continue of the continue of		20-60-6-	200000000000000000000000000000000000000

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National Institute Of T Kurukshetra

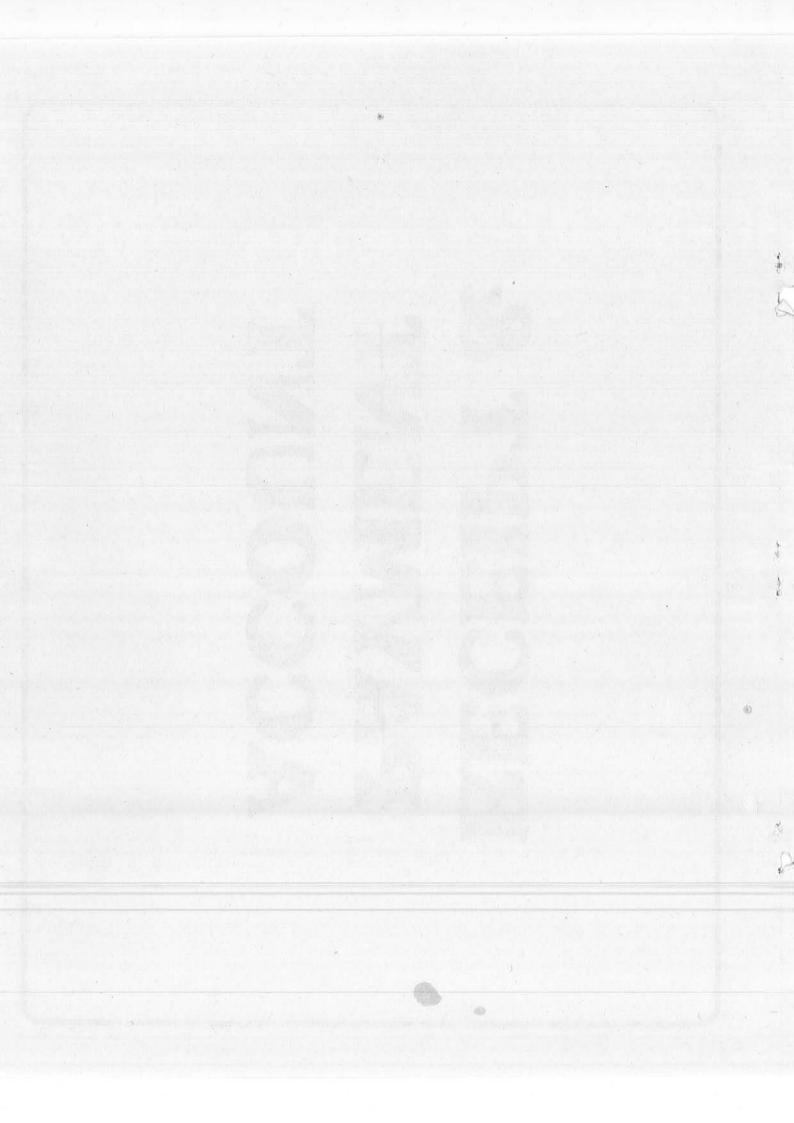
RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31st March, 2013 NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

	Amount (₹)	Amount (<)	100
A- Main Account			A- Mair
Opening Balance			Expens
a) Bank Balances	18,401,876	399,683,290	a) Estal
i) SBI Saving A/c (Main)	(5,720,870)	•	b) Admi
ii) IDBI Saving A/c (Main SAF)	1,729		, 1
iii) IDBI Saving A/c (Main TDS)	5,973,394	153,000,000	Loan a
iv) SBI Saving A/c (CPF)	18,147,623		a) Adva
		N. C.	b) CPF Lo
Grants Received from GOI			c) Adva
a) Non Plan Grant	380,000,000	190,000,000	1
b) Plan Grant for Fixed Assets	280,000,000	310,000,121	Any Ot
c) Plan Grant for General	50,000,000	•	a) Profe
d) Plan Grant OBC	-	100,000,000	b) Paid
Interest Received			c) Salar
a) Bank Deposit and FDR	79,418,586	11,484,151	d) MBA
Income from Fees			e) MCA
a) Tution Fees	170,508,233	122,005,976	f) Earn
b) Water Charges	178,407	32,940	g) Secu
c) Admission Fee	26,667	•	h) Alun
d) RTI Fee	7,556	The same	i) Addit
e) License Fee	449,635		j) CCM
f) Misc. Income	3,121,275	1,221,504	k) NIC
Other Income			I) Inves
a) Sale of Prospectus	1,253,321	3,818,299	
b) Hire of Vehicles	44,428	95,566	
c) Lease of Land	1,186,962	1,175,960	
d) Income form Xerox	10,600	4,800	
e) Sale of Tender Forms	54,450	50,500	
f) Income from Rent	502,198	331,904	
g) Seat Rent	14,071,270	**	
h) Guest House Charges	.36,893.		1
i) Watch & Ward	7,892,948		2

PAYMENTS	Current Year Amount (₹)	Previous Year Amount (₹)
A- Main Account		
Expenses		
a) Establishment Expenses	333,794,988	271,396,914
b) Administrative Expenses	45,113,517	67,223,163
Loan and Advance		A Bred PS HA
a) Advance to CPWD	168,559,228	35,946,000
b) CPF Loan	146,815,250	•
c)-Advance to Staff	1,338,234	
Any Other Payments		
a) Professional Services	1,160,090	2,591,350
b) Paid to the Crditors	3,896,474	6,328,638
c) Salary & Other Allowance	14,828,818	13,440,430
d) MBA	3,518,710	4,559,270
e) MCA		1,904,220
f) Earnest Money	2,688,240	3,138,127
g) Security	305,290	13,716,276
h) Alumni Association		1,122,000
i) Addition to Fixed Assets	269,850,757	217,558,000
j) ccMT	6,764	
k) NIC	1,114,178	•
I) Investment Made	164,055,855	-0,
		**
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	the section of the se	,

RECEIPTS	Current Year Amount (₹)	Previous Year Amount (₹)
Other Receipts		
a) Institute Development Fund (Student)	12,910,175	5,365,961
b) Institute Development Fund (Consultancy)	6,906,524	5,864,340
c) Service Tax		2,591,323
	2,015,504	5,982,195
e) Meritorious Scholarship	30,000	9,330,100
f) MCA (Corpus Fund)	103,573,380	1,842,220
g) Earnest Money		4,233,477
h) Misc. Recovery & Payment	247,826	114,686
il Other Scholarship	2,604,580	554,781
	19,010	
KI TDS	1,529,016	5,870,775
I) Security	4,486,335	9,694,510
	15,272,094	13,060,529
n) Alumni Association	130,241	266,150
o) Central Counciling Board	8,032	23,858,618
p) Contributary Provident Fund	143,264,288	25,175,211
g) Received from Employees	31,957	5,353,958
r) NIC		3,912,933
s) NIMCET	100,000	•
Total A	1,300,294,267	1,415,976,778
B - Scheme Account		
Opening Balance		
a) SBI Saving A/c	271,547	5,192,069
Receipts		
a) Grant Received	3,945,543	4,062,418
b) Interest Received on deposits	369,637	347,314
c) Misc. Income	16,890	
d) Advance		84,896
e) Received from FDR Matured	211,968	
Total B	4,815,585	9,686,697

	Dimonite (v)	Amount (1)
Closing Balances		
Bank Balances		
i) SBI Saving A/c (Main)	107,253,383	350,143,959
ii) IDBI Saving A/c (Main SAF)	9,508,046	7,197,774
iii) IDBI Bank Saving A/c (Main TDS)	7,441,605	5,973,394
iv) SBI Saving A/c (CPF)	11,313,998	413,737,263
v) SBI Saving A/c (MCA)	7,730,842	
Total A	1,300,294,267	1,415,976,778
	•	
B - Scheme Account		
Payments		
a) Stipend Scholarship, Fellowship	1,147,196	1,286,600
b) Other Adminstrative expenses	335,023	1,420,848
c) TA/DA etc	157,667	140,761
d) Computer Software	743,684	961,171
e) Addition in Fixed Assets	438,720	1,203,302
f) Salary & Wages	591,515	190,500
g) Misc. Recovery & Payments	9,244	
h) Loans & Advances	21,907	
i) Misc Expenses	498,289	
Closing Balances		201
a) SBI Saving A/c	872,340	4,483,515
Total B	4,815,585	9,686,697



-/ps	Director	National Institute Of Technology,	Kurukshetra

C - TEQIP Account A, C Dening Balance TEQIP A/C A, S69,306 SBI Saving A/C (TEQIP II) 336 SBI Saving A/C (TEQIP II) 336 Receipts A, C (TEQIP II) 336 Samest Money A, C (TEQIP II) 336 Samest Money A, C (TEQIP II) 336 Interest Received from GOI A, 1416,617 Interest Received on Deposits A, 1416,617 Interest Received on Deposits A, I 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	000 000 000 000 000 259	336 20,348,493 - 301,913 - 20,650,742
ts 1,41		336 20,348,493
ts 1,456		336 20,348,493 301,913
40,00 1,41 1,41 1,41 1,41		301,913
sits 1,4,00		301,913
9sits 1,41		20,348,493
saits 1,47		301,913
1,41		20,650,742
46,07		20,650,742
Total C 46,07 Total C 46,07 ount ound lind // C chilip Account // C		20,650,742
Total C 46,07		20,650,742
Total C 46,0°		20,650,742
Total C 46,0'		20,650,742
Total C 46,0% Account 1		20,650,742
Total C 46,0% Account 1		20,650,742
Total C 46,0° Account		20,650,742
Total C 46,0°		20,650,742
Account		
Account		
d p Account		
d p Account		
p Account		076 4740
Account		104,140
		1 070 176
		1,010,110
count		272 207 0
a) SBI Saving A/c		2,455,505
Amount Received		
8		
ed on Deposits		282,903
in A/c 2,	1,960,	1,960,637
d) TDS Refund		323
V V		CHORA
Total D 11,255,930		0,517,352
Total (A+B+C+D) 1,362,438,041 1,	OUT 100 0E1 1	

PAYMENTS	Current Year	Previous Year
	Pimount (1)	()
C - TEQIP Account		
Payments		0001
a) Advertisement	156,053	7,390
COST	8,661,124	2,205,755
	16,500	
		89,528
	5,518,355	526,500
50	23,752,664	150,507
	90,240	
b) Translling Fynenses		169'61
il Printing & Stationery	09,760	7,569
	232,558	14,160
J. TA /DA	71,662	
K) IA/DA	22,140	
m) Professional Charges	11,000	•
0		
Closing Balance TEQIP A/c		
a) SBI Saving A/c (TEQIP II)	7,530,203	17,629,306
b) SBI Saving A/c (TEQIP-I)		336
O loboth	46 072.259	20.650.742
I Otal C	and the sales.	
D - Other Account		
a) Staff welfare fund(Investment Made)	555,310	400,000
b) Merit Scholarship A/c (Investment Made	581,681	8,278
c) Ex Employees Account (Investment Made)		24,109
d) Payment to Ex Employee	2,668,869	
Closing Bank Balance		
I) Staff welfare fund		
a) SBI Saving A/c	250,549	591,017
II) Merit Scholarship Account		
a) SBI Saving A/c	170,988	1,130,987
III) Ex Employees Account		
a) SBI Saving A/c	16,887	4,362,961
Total D	11,255,930	6,517,352
7 7000		
Total (A+B+C+D)	1,362,438,041	1452831569

NATIOANL INSTITUTE OF TECHNOLOGY KURUKSHETRA

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2013

SCHEDULE-

NOTES TO ACCOUNTS

15

1. ACCOUNTING CONVENTION

The Financial statement are prepare on the basis of historical cost convention, unless otherwise stated and on accrual method of accounting.

2. INVENTORY VALUATION

Stores and Spares are valued at cost.

3. FIXED ASSETS

Fixed Assets are valued at the Cost of acquisition inclusive of inward Freight, duty taxes and incidental and direct expenses Department of Expenditure, New Delhi D.O. Letter No CDN/MF-CGA/98/99 dated 31.08.2000 the Assets have been grouped related to acquisition as per Annexure contain with the instruction received from the Govt. of India, Ministry of Finance, accordingly.

4. DEFFERED INCOME

Deferred Income has not been capitalized and not credited in the ratio of depreciation as per past practice. So giving the right effect amount stood at corpus transferred to deferred income equivalent to the amount of fixed asset as on 31.03.2013 and deferred income would be written off in the ratio of depreciation complying AS-12.

5. TEQIP-I

per stipulation no depreciation shall be provided on the Assets owned by grant. So fixing the error same has been written off Assets standing at the same amount since inception and has not been given any treatment adhering world bank guidelines. As from profit & loss as the assets cease to exist.

6. DEPRECIATION

While preparing the annual accounts depreciation on fixed assets charged as per rate specified in the Income Tax Act. 1961. However no depreciation has been provided on the assets created out of Grant of World Bank project. i.e. Technical Education Quality Improvement Program as per instruction of the MHRD & NPIU.

7. GOVERNMENT GRANTS

Plan Grant received from the Govt. of India has been taken under Earmarked Fund. Grant received from the Govt. of India has been accounted for on realization basis.

8. RETIREMENT BENEFITS

Provision of retirement gratuity and accumulation of leave has been made as suggested by the Audit.

- FEES AND FUNDS collected from the students have been taken on cash basis. 6
- 10. PROVISION OF PAY/SALARY for the month of March, 2013 has been made.

Sd/-Director National Institute Of Technology, Kurukshetra

4 1

NATIOANL INSTITUTE OF TECHNOLOGY

KURUKSHETRA

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31ST MARCH, 2013

SCHEDULE-

16

CONTINGENT LIBILITIES.

Nothing Stands as Contingent Liabilities At 31.03.2013.

