

Vision

To establish a unique identity of NIT Srinagar by development of high quality technical manpower and technological resources for contributing to the economic and social development of the nation at large and region in particular.

HEAD UP TO KNOWLEDGE
NATIONAL INSTITUTE OF TECHNOLOGY
SRINAGAR KASHMIRA

Mission

The mission of NIT Srinagar is to train its students and faculty to transform them into well trained and highly motivated engineers, scientists, technologists who become both knowledge makers as well as knowledge users for contributing to nation building with the highest degree of professional excellence.

NATIONAL INSTITUTE OF TECHNOLOGY
SRINAGAR KASHMIR

Objectives

- ❖ To achieve excellence in imparting quality education and research in specific areas of emerging / challenging technology.
- ❖ To offer quality academic programme at undergraduate and postgraduate level with a view to promote / strengthen interaction with the industry and other relevant sectors.
- ❖ To promote a culture of national integration with a sense of tolerance and reverence for all ethnical group inhabiting in major regions of our Country.



तमसो मा ज्योतिर्गमय

LEAD ME FROM DARKNESS TO LIGHT

NATIONAL INSTITUTE OF TECHNOLOGY
SRINAGAR KASHMIR



FOREWORD

I have the privilege in presenting the 52nd Annual Report along with the Annual Accounts and the Audited Report of the National Institute of Technology Srinagar, Hazratbal, Kashmir for the year 2011-12.

The Institute offers eight B. Tech courses in Civil, Electrical, Electronics and Communication, Mechanical, Chemical, Metallurgical and Materials Engineering, Computer Science and Information Technology. Besides the eight B. Tech courses, the Institute offers M. Tech programmes in Civil Engineering, Electronics and Communication Engineering and Mechanical Engineering and Ph. D programmes in all Departments and M.Phil programme in the Faculty of Applied Sciences. Our members of faculty are actively participating in National and International conferences/seminars, Workshops, expert lectures and other related research activities. They did present a large number of papers in these conferences/seminars.

The Department of Training and Placement has been making enormous efforts for the placement of its students. During the year under report many multinational and national companies, both core and software visited our Institute for Campus recruitments. It gives me immense pleasure to mention that the placement record in some of the Departments was more 95% for the year 2011-2012. Further, the students of the Institute actively participated in various co-curricular and extra-curricular activities within and outside the Institute and won laurels. The Institute encourages the students in all such activities.

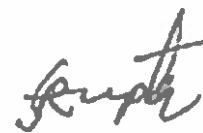
Apart from these, many R&D sponsored projects are in full swing. Institute is able to generate substantial resources through consultancy also.

The Institute rendered useful services to other sister Institutions and continued to offer expertise and consultancy services to various government/public/private organizations.

The Ministry of Human Resource Development, Government of India, New Delhi is providing full support and assistance for the overall development of the Institution.

On behalf of faculty, staff, students and on my personal behalf, I place on record my sincere gratitude to the Hon'ble Chairman, Board of Governors, Senate, Building and Works Committee, Ministry of Human Resource Department, UGC, AICTE, DST and other organizations for their active support, timely release of funds and constant encouragement. I look forward to the continued support and guidance in future, too, to make this Institution as one of the premier technical Institutions of the country.

Before I conclude, let me put on record my sincere thanks and gratitude to the Chairman, BOG, faculty, staff and the students of this Institute for their co-operation and support in running the affairs of the Institute smoothly.



(Prof. Rajat Gupta)
Director

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SRINAGAR KASHMIR

1.0. INTRODUCTION

1.1. Education System

- Four years full time Bachelor of Technology degree courses offered in Civil Engineering, Chemical Engineering, Computer Science Engineering, Electrical Engineering, Electronics and Communication Engineering, Information Technology Engineering, Mechanical Engineering and Metallurgical and Materials Engineering branches.
- Master of Technology (M.Tech) degree courses on full time & part- time basis offered in Civil Engineering, Electronics & Communication Engineering and Mechanical Engineering departments.
- The duration of M.Tech. course is two years (broken up in four semesters) and 3 years for those admitted under part-time program.
- Advanced degree of Doctor of Philosophy (Ph.D.) is awarded by the Faculty of Engineering in its available branches.
- Master of Philosophy and Doctor of Philosophy is awarded by the faculty of applied science and Humanities & Social Science Department.
- The academic session is divided into two semesters, an autumn semester (August–December) and a Spring semester (March–July).



- The Semester system is enforced at both under-graduate (U.G.) and post graduate (P.G.) levels.
- The Senate approves the academic calendar consisting of schedule of activities for a session inclusive of dates for registration, Minor-I, Minor-II and end-semester examinations, inter-semester breaks etc. well in advance.

Medium of instructions and examination for all courses including writing of dissertations of B.Tech /M.Tech /M.Phil and Doctor of Philosophy thesis is British English.

- Six days week period with at least 90 working days in each semester.
- Evaluation on Credit Based System with two minors and one major examination in each semester.
- Major thrust on Practical & visits to the work site compulsory both at graduate and post graduate levels.

2. *AN OVERVIEW*

2.1. *HISTORICAL BACKGROUND*

The National Institute of Technology (NIT) Srinagar, erstwhile Regional Engineering College, was established in July, 1960, by the joint venture of Govt. of India and the State Government during the 2nd plan period. It was one among the first batch of 8 such Institutes which were set up in the country. The other seven institutes were Allahabad, Bhopal, Durgapur, Jamshedpur, Nagpur, Surathkal, and Warangal.

The Institute initially started functioning in the historical *Chinar* garden of *Naseem Bagh* at *Hazratbal*, Srinagar, about 1.5 kilometres away from the present Campus. Due to the difficulty faced in horizontal and vertical expansion of the Institute Infrastructure because of very limited kland area available the campus was shifted and revamped to the present abode in 1966. In 2003 the institute was declared as National Institute of Technology with Deemed University Status by the Ministry of Human Resource Development (MHRD), Govt. of India and University Grants Commission (UGC). Presently the institute is functioning as a full fledged University. Passing through the ups and downs of the time, the Institute has proved its mettle through its output at various levels and has become a prestigious Institute of the region.

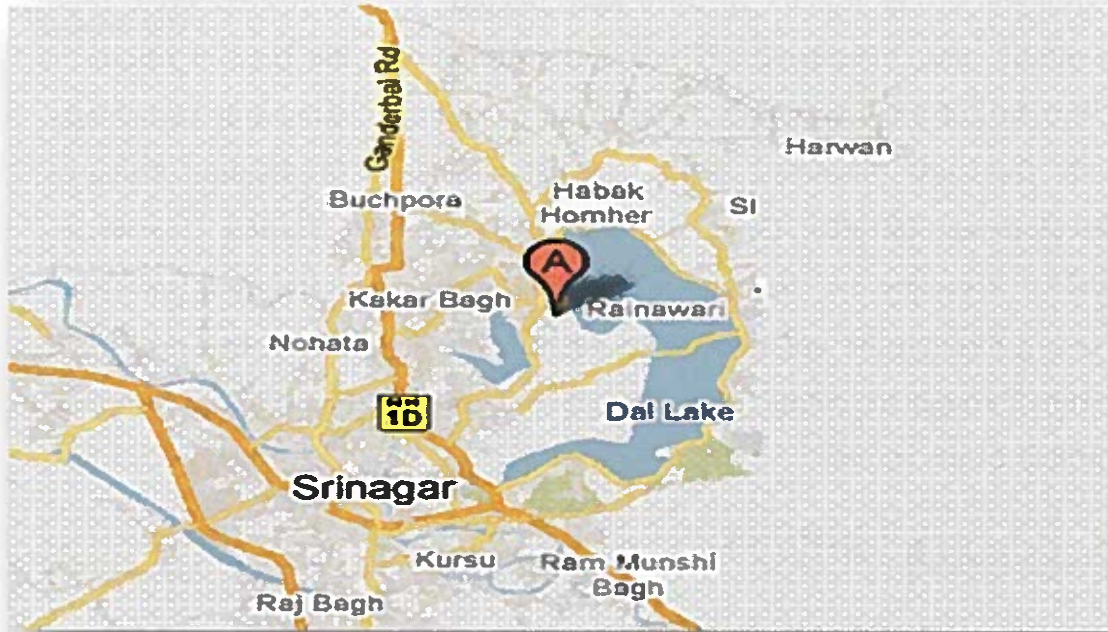
2.2. *LOCATION*



The Institute is located at Hazratbal, Srinagar on the banks of world-famous Dal Lake, surrounded by the scenic Himalayan ranges, the Zabarwan Hills with the famous Hazratbal Shrine on the other side of the campus in the summer capital of the Jammu and Kashmir. The institute is about 8 KMs away from the tourist reception centre (where all airport buses and other long route/sight seeing buses/coaches originate/terminate). Hazratbal is well connected with most parts of the city by a dependable road transport service. The campus is about 15 KMs away from the airport on the national highway to Ladakh which is easily accessible by frequently plying transport.

The nearest railway station is Jammu Tawi which is located about 300 km from the Institute campus. The Srinagar-Jammu highway passes through high

mountain passes which are picturesque and enjoyable, and can be covered in about 7-8 hours by a private taxi/car.



2.3. *THE CAMPUS*

The Institute is having a lush green campus spread over 67 acres of land on the banks of world-famous Dal Lake.



The Institute is residential with accommodation facility for students and staff in hostels and Residential Quarters. There are five boys and one girls hostels which accommodate about 2000 boys and 200 girls with separate mess facility for each hostel.

Almost all necessary facilities and amenities are available in the campus which include canteen, cafeteria, shopping complex, bank, recreational centre, medical unit with ambulances, guest house, students activity centre, gymnasium, computer services centre with internet facility, bus facility, centralized library etc.

2.4. ADMINISTRATION

National Institute of Technology is an autonomous Institute under the direct control of ministry of Human Resource Development (MHRD), Govt. of India (GOI). The Institute functions under an overall guidance and control of Board of Governors (BOG). Director is the academic and executive head of the Institute. He is the Ex-Officio of the Board of Governors and is responsible for maintaining proper administration and discipline and imparting instructions for smooth functioning and overall development of the Institute.

Director is assisted in the day-to-day affairs of the Institute by the Deans, Heads of the various Departments & Centres, Registrar, various committees, officers in- charges and other officers.

The various other Important Committees in addition to **BOG**, responsible for advising in respect of the various matters of the Institute, include:

Senate	for	Academic Affairs
Finance Committee (FC)	for	Financial Matters
Building Works Committee (BWC)	for	Developmental Works

2.5. ACADEMIC PROGRAMMES

The academic programmes of the Institute comprises of the programmes at under graduate, post graduate and Ph.D. levels. Institute has a student population of approximately 2400. The sanctioned faculty strength as on date is 145. As per faculty to student ratio of 1:12, the faculty strength has to be increased to 200. However for the time being the shortage is met by engagement of the Contractual Faculty by each Department of the Institute.

The Institute has eight Engineering Departments, four other allied Departments and three Centres. These are:

Engineering Departments

i)Civil Engineering , ii)Mechanical Engineering, iii)Electrical Engineering, iv)Electronics and Communication Engineering, v)Chemical Engineering, vi)Metallurgical and Materials Engineering, vii)Computer Sciences Engineering, andviii) Information Technology

Allied Departments

i)Mathematics, ii)Physics, iii)Chemistry and iv)Humanities &Social Sciences.

Centres

i)Water Resources and Management Centre, ii)Maintenance Engineering Centre and iii)Computer Services Centre.

2.6. COURSES OFFERED

B. Tech. Degree programme

The Institute offers four years (eight semesters) full- time B.Tech degree programme in the following branches of engineering;

- 1) Chemical Engineering;
- 2) Civil Engineering;
- 3) Computer Science Engineering;
- 4) Electrical Engineering;
- 5) Electronics and Communication Engineering;
- 6) Information Technology;
- 7) Mechanical Engineering;
- 8) Metallurgical and materials Engineering .

M. Tech. Degree Programme

The institute offers both full- time / part-time M. Tech. Degree Programmes in the following engineering disciplines:

- 1) Structural Engineering *(Civil Engineering)*
- 2) Water Resources Engineering *(Civil Engineering)*
- 3) Communication and Information Technology *(Electronics & Comm. Engg.)*
- 4) Mechanical System Design *(Mechanical Engineering)*

The Institute has been very much concerned about the human resources development right from beginning. Despite the acute shortage of space for development of infrastructural facilities, four New P.G. Programmes are being introduced in near future. These programs Include:

- 1) M.Tech in Electrical Power & Energy System *-(Electrical Engineering Dept.)*
- 2) M.Tech. in Geotechnical Engineering *-(Civil Engineering Dept.)*
- 3) M.Tech. in Transportation Engineering *-(Civil Engineering Dept.)*
- 4) M.Sc. in Physics *-(Physics Dept.)*

M. Phil Programme

The institute also offers full- time /part- time M.Phil degree programme in the following departments:

1. Physics
2. Chemistry
3. Mathematics
4. Humanities and Social Sciences

Ph. D. Programme

The Doctoral Degree programmes are being offered in all the Engineering and Allied departments. These programmes are offered on both full-time and part-time basis. About 100 Scholarships at the rate of Rs.20,000/- per month have been recently approved for the scholars pursuing their Doctoral programmes

2.7. ADMISSION PROCEDURE

Undergraduate Courses

The Ministry of Human Resource Development (MHRD) has taken a broad based policy step to conduct an All India Engineering Entrance Examination (AIEEE) throughout the country at undergraduate (U.G.) level, in a view, to minimize the difficulty being experienced by candidates and their parents due to large number of entrance examinations being conducted for admission to undergraduate degree programme in the engineering discipline. Candidates interested in seeking admission in any NIT have to appear in All India Engineering Entrance Examination conducted by Central Board of Secondary Education (CBSE) on behalf of Govt of India and to fulfil all formalities of the CBSE. Eligible candidates can seek admission in

any NIT of the country as per AIEEE merit. The Govt of India has fixed 50% quota of seats for J&K State and 50% quota for other States, based on pure merit in AIEEE.

Postgraduate courses

The admission for Post graduate courses is made through the written test conducted by the Institute itself. Due weight-age is given to GATE qualified candidates. Special provision for part-time basis is also available for in-service candidates interested in seeking admission in Post graduate Programme.

The M. Tech Programme is of two years splitted into four semesters and a total number of 60 credits for its award is required. The coverage of various courses, labs, seminars, field work, dissertation etc is the essential part of the P.G. scheme.

M. Phil / Ph.D.

The Selection of candidates for M. Phil/ Ph.D. Programme is made through an Entrance test followed by viva voce examination conducted by the concerned Departmental Research Committee (DRC).The candidates with satisfactory performance are selected for M. Phil/ Ph.D. Programme.

2.8. ACADEMIC CALENDAR

The Academic Calendar prepared by the Institute and approved by the Senate, is notified for the students and staff. The Academic Calendar is prepared in such a way so that all the curricular, co-curricular, extra-curricular and other related activities/programmes of the students are well distributed over the semester period.

Academic Calendar for the Spring Session-2011

S.No.	Activity	Date
1.	Registration	02-03-2011
2.	Late Registration	09-03-2011
3.	Class Beginning	05-03-2011
4.	Minor-I	20-04-2011
5.	Minor-II	25-04-2011
6.	End of Teaching	27-06-2011
7.	Even Semester Examination	30-06-2011
8.	Showing of Answer Books	Seven days after exams
9.	Final Semester Results	15 days after completion of semester exam

Academic Calendar for the Autumn Session-2011

S.No.	Activity	Date
1.	Registration	25 th – 29 th July 2011
2.	Late Registration	30 th July– 1 st August 2011
3.	Class Beginning	30 th July, 2011
4.	Minor-I	14 th September, 2011
5.	Minor-II	19 th September, 2011
6.	End of Teaching	23 rd November, 2011
7.	Even Semester Examination	26 th November 2011
8.	Showing of Answer Books	Seven days after exams
9.	Final Semester Results	15 days after completion of semester exam

2.9. STUDENTS

The present student strength of the Institute is 2400 which is expected to go up to 3000 within the next 2 to 3 years. The Institute has been able to attract the students from all parts of the Country who have proved their mettle at both national and global level. Students of NIT Srinagar have not only shown their superiority in academics but also in other co-curricular and extra-curricular activities as well. The students actively participate in the institute affairs. The welfare of students is one of the major priorities of the Institute. For this purpose Students' affairs wing works towards the holistic development of the students.

2.10 EXAMINATION AND EVALUATION

All under graduate, post graduate and M.Phil/ Ph.D. examinations, of the Institute are conducted centrally by the Examination Section of the Institute. The medium examination for all course examinations including dissertations and thesis is British English.

The performance of a student is evaluated in terms of two indices viz; the Semester Grade Point Average (SGPA) for a semester and Cumulative Grade Point Average (CGPA) which is the Grade point index for all the completed Semesters at any point of time. The Semester Grade Point Average (SGPA) is calculated on the basis of grades obtained in all courses in a semester and Cumulative Grade Point Average (CGPA) is calculated on the basis of pass grade in all completed semesters.

Semester Grade point Average in all semesters is evaluated on the basis of three written examinations in the case of theory papers i.e. 1st term, 2nd term and final term with a weight-age of 20, 20 and 50 marks, respectively. 10 marks are reserved for class performance shown by a student in a class.

The paper setting and evaluation is done at the concerned Department level.

The students are required to submit a project report at the end of the 8th semester, which starts in 7th semester. It is to be submitted in well bound thesis. The Heads of the Departments constitute a Project Evaluation Board (PEB) which assesses each individual project of the students. The weight-age is as follows:-

<i>SUPERVISOR</i>	<i>PROJECT REPORT</i>	<i>EVALUATION BOARD</i>
40%	20% (Assessed by the Evaluation Board)	40 % (Presentation & viva voce)

The Project Evaluation Board comprises of i) Head of the Dept. Concerned, ii) one senior most faculty member of the concerned department, iii) Supervisor concerned, and iv) One expert from any other sister Department of the Institute.

2.11. TRAINING AND PLACEMENT

The Institute has a well established Training and Placement (T &P) Department which takes care of the Technical/Industrial training and the Placement of the Students. The T & P Department is usually headed by a senior faculty member. The Department of

T&P arranges for the training of the students which is an essential requirement at 5th/7th semester levels of B. Tech. program and it also takes care of on-campus placement of the students by inviting /interacting with various agencies. Students from different departments of the Institute are also involved in the relevant activities of the T&P Department. So far the placement record of the students has remained 70 to 80% in general. The

T&P Department also arranges trainings for the students for their better performance in interviews and other presentations.

2.12. GAMES AND SPORTS

The games and sports activities of the Institute are looked after by the Physical Education Section of the Institute. The Section puts in every effort to develop the sports activities for the bona-fide students of the Institute. The students are provided all possible facilities for their active participation in co-curricular and extra-co curricular activities. They are also encouraged and provided all opportunities to participate in all major sports events including participation in inter-class, inter-semester, inter-college, games/sports and other competitions. Besides this they are involved in a wide spectrum of social, cultural and technological activities throughout the year.

Both genders are fully exposed to higher level of competitions conducted at national and state level.

2.13. CAMPUS INFRASTRUCTURE

For maintenance and development of the campus infra-structure, the Institute has Planning and Development Wing which has three separate divisions of Civil Construction, Estates and Electrical Maintenance & Repairs. All these Divisions have been contributing in maintaining and improving the infrastructure facilities of the Institute.

The present campus is spread over 67 acres of land on the banks of World famous Dal lake. The land area available though insufficient in view of the increased intake yet the Institute continues its efforts to provide the necessary infra-structure for better academics standards . Acquisition of additional land for the campus is also on cards and it is hoped that in near future the Institute will succeed in acquiring it.



For every Department of the Institute there are well established required laboratories, class rooms and other facilities. The Institute Campus being a residential one, has the residential facilities for both students and staff of the Institute. The construction of a Mega Hostel is under active consideration of the authorities to meet the additional requirements of the accommodation resulted from the increased in take of the students.

The Institute has all basic and required amenities for the students and staff which include Medical Unit, Computer Services Centre, Well Maintained Play Ground, Recreational Centre, Students Activity Centre, gymnasium, Transport facility etc.

2.14. *STAFF POSITION*

<u>S.No:</u>	<u>Position</u>	<u>Staff sanctioned</u>	<u>Staff in position</u>
<u>Academic Staff:</u>			
1.	Director	01	01
2.	Professors	21	08
3.	Associate Professors	41	11
4.	Assistant Professors	83	67
<u>Senior Administrative Staff</u>			
01.	Registrar	1	1
02.	Deputy Registrar (Accounts)	1	1(On deputation)

03.	<i>Deputy Registrar (Academics)</i>	1	-
04.	<i>Deputy Registrar (Administration)</i>	1	1 (On deputation)
05.	<i>Asstt. Registrars</i>	4	2 (On deputation)
06.	<i>Superintendent Workshop</i>	1	1
07.	<i>Asstt. Superintendent Work shop</i>	2	-
08.	<i>Librarian</i>	1	1
09.	<i>Asstt. Librarians</i>	3	1
10.	<i>Medical Officer</i>	1	1 (On deputation)
11.	<i>Director Physical Education</i>	1	-
12.	<i>Executive Engineer</i>	1	1 (On deputation)
13.	<i>Asstt. Executive Engineer</i>	1	1 (On deputation)
14.	<i>Estates Engineer</i>	1	-

Teaching and Technical Supporting Staff

01.	<i>Senior Instructors</i>	10	05
02.	<i>Computer Operator</i>	1	-
03.	<i>Junior Instructors</i>	6	01
04.	<i>Senior Technicians</i>	10	01
05.	<i>Junior Technicians</i>	26	06
06.	<i>Glass Blowers</i>	2	-
07.	<i>Glass Plant Mechanics</i>	1	-
08.	<i>Mechanics A</i>	10	03
09.	<i>Mechanics B</i>	11	08
10.	<i>Mechanics C</i>	12	12
11.	<i>Senior Lab. Asstts.</i>	11	08
12.	<i>Junior Lab. Asstts.</i>	23	19
13.	<i>Lab. Atttdts.</i>	57	30
14.	<i>Gas Plant Helper</i>	1	1
15.	<i>Helpers</i>	26	14
16.	<i>Despatch Rider</i>	1	-
17.	<i>Drivers</i>	7	6
18.	<i>Cleaners</i>	3	1
19.	<i>Draftsmen</i>	5	3

20.	<i>Survey Khalasis</i>	3	1
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Library and Information Service Staff

01.	<i>Senior Library Asstts.</i>	2	1
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02.	<i>Reprographic Asstts.</i>	1	1
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03.	<i>Jr. Library Asstts.</i>	3	3
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04.	<i>Library Attendants</i>	12	6
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Games and Sports Staff

01.	<i>Assistant Director Physical Education</i>	1	-
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02.	<i>Swim & Athlete Coach</i>	1	-
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03.	<i>Games Superintendent</i>	1	-
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04.	<i>Sports Assistant (Boys)</i>	1	-
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05.	<i>Sports Assistant (Girls)</i>	1	-
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06.	<i>Head Groundman</i>	1	1
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07.	<i>Ground man</i>	6	5
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08.	<i>Regular Temp. Staff</i>	4	-
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Non-Teaching Staff

01.	Statistical Assistant	1	1
02.	Section Officers	6	5
03.	Senior Stenographers	6	5
04.	Head Assistants	14	13
05.	Jr. Stenographers	12	1
06.	Sr. Assistants	15	10
07.	Jr. Assistants	14	4
08.	Daftaries	3	2
09.	Goods Collector	1	-
10.	Gestetner Operator	1	-
11.	Duplicating Attendant	1	1
12.	Orderlies	27	27
13.	Jamadar	1	-

Accounts Section

14.	Senior Accountant	1	1
15.	Accountant	1	1
16.	Cashier	1	1

17.	<i>Asstt. Cashiers</i>	2	1
18.	<i>Head Compiler</i>	1	-
19.	<i>Sr. Assistants</i>	6	5
20.	<i>Typist</i>	1	1
21.	<i>Jr. Assistant</i>	1	-
22.	<i>Hindi Typist</i>	1	-
23.	<i>Head Assistant Audit</i>	1	1

Girls Hostel Staff

01.	<i>Manager Girls Hostel</i>	1	1
02.	<i>Accountant-cum-clerk</i>	1	1
03.	<i>Supervisor</i>	1	-
04.	<i>Store-keeper</i>	1	-
05.	<i>Farashs</i>	4	1
06.	<i>Sanitary Attendant</i>	2	-
07.	<i>Santries</i>	3	3

Water Resources Management Centre Staff

01.	<i>Senior Stenographer</i>	1	1
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02.	<i>Senior Assistant</i>	1	-
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Estates Maintenance Staff

01.	<i>Junior Engineers</i>	4	3
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02.	<i>Works Mistry Plumber</i>	1	1
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03.	<i>Works Mistry</i>	1	1
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04.	<i>Mason</i>	1	1
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05.	<i>Painter</i>	1	1
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06.	<i>Mistry Plumber</i>	1	1
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07.	<i>Junior Works Mistry</i>	1	1
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08.	<i>Carpenters</i>	3	2
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09.	<i>Helpers</i>	7	5
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10.	<i>Water Pump Atttds.</i>	3	2
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11.	<i>Telephone Operators</i>	2	2
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12.	<i>Mechanics B-cum- Store keeper</i>	1	1
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13.	<i>Mechanics C</i>	2	2
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14.	<i>Electricians</i>	5	3
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15.	<i>Helper Electricians</i>	5	5
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16	<i>Diesel Generator Attchts</i>	2	2
17	<i>Transformer Attendant</i>	1	-
18.	<i>Central Store-keeper</i>	1	-
19.	<i>Store-keepers</i>	13	9
20.	<i>Store Assistants</i>	2	2

Guest House Staff

01.	<i>Attendant-cum-cook</i>	1	-
02.	<i>Guest House Attendant</i>	1	1
03.	<i>Sanitary Attendant</i>	1	1

Boys Hostel

01.	<i>Hostel Manager</i>	1	1
02.	<i>Senior Hall Assistants</i>	2	2
03.	<i>Junior Hall Assistants</i>	5	5
04.	<i>Sanitary Inspector</i>	1	1
05.	<i>Sanitary Supervisor</i>	1	-

06.	<i>Accountant</i>		1	1
07.	<i>Common Room Attendant</i>		1	1
08.	<i>Table</i>	<i>Tennis</i>	2	1
	<i>Attendants</i>			
09.	<i>Orderly</i>		1	1
10.	<i>Chowkidar</i>		1	1
11.	<i>Gardeners</i>		2	-
12.	<i>Head Farash</i>		1	-
13.	<i>Farashs</i>		9	4
14.	<i>Sanitary Attendants</i>		11	9

Mess Staff

01.	<i>Purchase Officer</i>		1	1
02.	<i>Head Assistant</i>		1	1
03.	<i>Mess Managers</i>		4	1
04.	<i>Care Taker Mess</i>		1	1
05.	<i>Mess Supervisor</i>		2	1
06.	<i>Sr. Assistant</i>		1	1
07.	<i>Accountant</i>		1	-

08.	<i>Store-keepers</i>	4	1
09.	<i>Sanitary Attchts.</i>	2	2

Medical Staff

01.	<i>Female Nurse</i>	1	1(On <i>deputation</i>)
02.	<i>Medical Asstt./Compouderers</i>	2	2 (On <i>deputation</i>)
03.	<i>X-Ray Technician</i>	1	-
04.	<i>Lab. Technician</i>	1	1
05.	<i>Senior Assistant</i>	1	1
06.	<i>Orderly</i>	1	1
07.	<i>Nursing Orderlies</i>	3	3
08.	<i>X-Ray Attendant</i>	1	1
09.	<i>Khidmatgars</i>	3	2

E.D.P. Cell

01.	<i>Laison officer</i>	1	1
02.	<i>Senior Stenographer</i>	11	6
03.	<i>Research Assistants</i>	2	-

04. Orderly	1	1
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Security Staff

01. Security Officer	1	1
02. Assistant Security Officer	1	1
03. Time-keepers	2	2
04. Fireman	1	1
05. Watch and Ward Attendants	35	31
06. Supervisors Security	3	3

Parks & Gardens Staff

01. Supervisor	1	1
02. Head Gardeners	2	2
03. Gardeners	23	16

Sanitation Staff

1. Head Sanitary Attendant	1	1
2. Jamadar	1	1
3. Sanitary Attendants	15	13

Construction Division Staff

01.	<i>Junior Engineers</i>	4	(On deputation)
02.	<i>Draftsman</i>	1	1
03.	<i>Accountant</i>	1	1
04.	<i>Senior Stenographer</i>	1	-
05.	<i>Accounts Clerk</i>	1	-
06.	<i>Sub-Division Clerk</i>	1	-
07.	<i>Record Keeper</i>	1	1
08.	<i>Store Munshi</i>	1	-
09.	<i>Central Store-keeper</i>	1	-
10.	<i>Works Mistry</i>	1	1
11.	<i>Orderlies</i>	3	2

3. ACADEMIC STATISTICS

3.1. COURSES OFFERED

3.1.1. B. Tech. Courses

<i>DISCIPLINE</i>	<i>INTAKE</i>	<i>ADMISSIONS 2011-12</i>
<i>Chemical Engineering</i>	77	74

OP 40 SC -7 ST 4 OBC- 10	OP - 25 SC -5 ST -2 OBC- 7	OP 24 OP(ph)-1 SC -4 SC(ph)-1 ST -2 OBC -7	OP -23 OP(ph) -2 SC -5 ST -2 OBC 6	OP -24 OP(ph)-1 SC -5 ST -2 OBC -7	OP -24 OP(ph)- SC -5 ST -2 OBC -6	OP- 18 OP(ph)- 2 SC -3 SC(ph) -1 ST -2 OBC 4 OBC(ph)-1	OP -19 OP(ph) -1 SC -4 ST -2 OBC -4 OBC(ph)-1	OP - 197 OP(ph)-8 SC -37 SC(ph)-2 ST -19 OBC -51 OBC(ph)-2	J&K
OP -38 OP(ph)-1 S.C -8 S.T -4 OB C-11	OP -25 S.C -4 S.T - 3 OBC -6	OP -24 OP(ph) -1 S.C -4 S.T -3 OBC -5 OBC(ph)-1	OP -24 OP(ph) -1 S.C -4 S.T -2 ST(ph)-1 OBC -5 OBC(ph)-2	OP -24 OP(ph) - 1 S.C -4 ST -3 OBC -6	OP -25 S.C -5 ST -2 OBC - 7	OP -18 OP(ph)-2 S.C -3 SC(ph) -1 S.T -2 OBC -5	OP -18 OP(ph)-2 S.C -4 ST -2 OBC 5	OP -196 OP(ph)-8 SC -36 SC(ph) -1 ST -21 ST(ph) -1 OBC -50 OBC(ph) -3	ALL India
123	77	77	77	77	77	62	62	632	Total

3.2.2. Students' Enrolment

a) B. Tech

Batch	CIVIL		ELE		ECE		CHEM		MECH		METT		CSE		IT		SC	ST	OBC
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
2009	102	09	63	5	59	09	32	1	65	-	07	1	29	5	43	-	73	32	76
2010	114	07	67	6	61	11	52	5	76	-	32	11	48	5	38	9	65	36	101
2011	118	05	66	10	66	10	65	10	76	1	52	5	51	8	48	11	70	39	95
2012	116	05	74	02	61	11	60	08	74	-	62	02	54	08	54	04	70	38	100
Total	450	26	270	23	247	41	209	24	291	01	153	19	182	28	183	24	278	145	372

b) M. Tech

Batch	Communication and Inf.Technology		Mechanical System Design		Structural Engineering		Water Resources Engineering		SC/ST		
	M	F	M	F	M	F	M	F			
2011	13		03		12	03	10	02	01	04	
2012	21		-		18	01	17	01	06	02	6/2

Total	34	03	30	04	27	03	07	06	03
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c) M. Phil (Faculty of Science)

<i>Batch</i>	<i>Chemistry</i>		<i>Physics</i>		<i>Math</i>	
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>
2009	1	-	-	-	-	-
2010	1	-	-	-	-	-
2011	-	02	-	-	-	-
2012	03	02	-	-	-	-
<i>Total</i>	<i>05</i>	<i>04</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

d) Ph.D. (Faculty of Engineering)

<i>Year</i>	<i>ECE</i>		<i>ECE</i>		<i>CIT</i>		<i>MECH</i>	
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>
2008	01	01	-	-	02	-	01	-
2009	-	-	-	-	-	-	-	-
2010	03	-	1	-	01	01	-	-
2011	02	01	-	-	-	-	6	-
2012	-	01	-	-	06	02	10	-
<i>Total</i>	<i>06</i>	<i>03</i>	<i>01</i>	<i>-</i>	<i>09</i>	<i>03</i>	<i>17</i>	<i>-</i>

e) Ph.D. (Faculty of Science)

<i>Batch</i>	<i>Physics</i>		<i>Chemistry</i>		<i>Math</i>		<i>HSS</i>	
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>
2008	-	-	-	-	1	-	-	-

2009	-	-	-	-	-	-	-	-
2010	-	-	1	-	1	-	-	-
2011	-	-	2	-	3	1	-	-
2012	04	-	12	-	01	-	-	-
Total	04	-	15	-	06	01	-	-

3.3. ADMISSION STATISTICS - COURSE WISE

3.3.1. B. Tech

<i>ADMISSION MADE AND ACTUAL</i>								
<i>Year</i>	<i>Batch</i>	<i>OP</i>	<i>SC</i>	<i>ST</i>	<i>OBC</i>	<i>Total</i>	<i>Left</i>	<i>Actual</i>
2009	Civil	75	14	07	14	110	01	109
	ELE	44	09	05	10	68	-	68
	ECE	46	10	02	10	68	-	68
	Chem.	45	08	04	10	67	34	33
	Mech.	46	09	04	09	68	03	65
	Met.	45	09	04	09	67	59	08
	C. Sc.	38	07	03	07	55	21	34
	I.T.	38	07	03	07	55	12	43
2010	Civil	73	15	08	27	123	02	121
	ELE	48	08	05	16	77	04	73
	ECE	46	09	04	18	77	05	72
	Chem.	35	09	05	12	61	04	57
	Mech.	50	09	05	13	77	01	76
	Met.	28	07	04	09	48	05	43
	C. Sc.	33	05	04	13	55	02	53

	I.T.	30	05	03	10	48	01	47
2011	Civil	79	15	08	21	123	-	123
	ELE	50	08	05	13	76	-	76
	ECE	50	09	04	13	76	-	76
	Chem.	50	09	05	13	77	02	75
	Mech.	50	09	05	13	77	-	77
	Met.	46	08	05	07	66	04	62
	C. Sc.	40	07	04	09	60	01	59
	I.T.	40	07	04	09	60	01	59
2012	Civil	79	15	08	21	123	02	121
	ELE	50	09	05	13	77	01	76
	ECE	48	09	05	13	77	01	76
	Chem	45	07	05	11	68	-	68
	Mech.	50	09	05	12	77	03	77
	Met.	50	06	03	12	71	05	66
	C. Sc.	40	08	04	11	63	01	62
	I.T.	40	07	04	09	60	02	58
G.Total		1527	282	148	395	2352	178	2174

3.3.2. M. Tech

<i>Admission Made</i>						
<i>Year</i>	<i>Programme</i>	<i>OP</i>	<i>SC/ST</i>	<i>Sponsored</i>	<i>OBC</i>	<i>Total</i>
2011	Water Resource Engineering	05	-	-	-	05

	Mechanical System Design	12	03	-	-	15
	Comm. & Information Technology	12	01	-	03	16
	Structural Engineering	12	-	-	-	12
2012	Water Resource Engineering	06	-	02	-	08
	Mechanical System Design	12	03	02	02	19
	Comm. & Information Technology	13	03	02	03	21
	Structural Engineering	13	02	-	03	18
	Total	85	12	06	11	114

3.4. *STUDENTS' TOTAL STRENGTH*

3.4.1. *Strength in Undergraduate Programme*

The below mentioned statement shows the student's strength with each category in this Institute:-

OM	1527
SC	282
ST	148

OBC	395
Total:	2352 -178(W/D*)
	=2174

* W/D indicates withdrawal cases

3.4.2. *Strength in Post-graduate Programme*

OM	85
SC/ST	12
Sponsored	06
OBC	11
Total	114

3.4.3. *M.Phil. Programme - 11*

3.4.4. *Ph.D. Programme - 28*

4.0. *DEPARTMENTS AND CENTRES*

The Institute has eight engineering departments, four science and allied departments and the three Centres. The departments are :

Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics and Communication Engineering, Chemical Engineering, Metallurgical and Materials Engineering, Computer Sciences Engineering, and Information Technology Mathematics, Chemistry, Physics and Social Sciences.

The three Centres are:

Water Resources and Management Centre, Maintenance Engineering Centre and Computer Services Centre

4.1 DEPARTMENTS

4.1.1 DEPARTMENT OF CIVIL ENGINEERING

Head: Prof. M. A. Lone

Introduction

The department of Civil Engineering is one of the pioneering departments, since the commencement of the Institute in 1960. Over the years, the department has progressed at a rapid pace with the development in both the spheres of infrastructure facilities and faculty members. The department has highly qualified and experienced faculty, supported by experienced technical staff and well equipped laboratories attached to different divisions. The department offers quality teaching at the undergraduate and post-graduate levels to empower students to meet the technological needs and socio-economic challenges of the 21st century. The department also offers Ph.D. programs and basic research activities are carried out in the different disciplines of Civil Engineering. The department takes consultancy assignments from industry in the areas of Geotechnical Engineering, Transportation Engineering, Structural Engineering, Water Resources Engineering, Surveying etc.



Faculty

S.No.	Name	Designation	Qualification	Area of specialization
1	Dr.M.A.Lone	Professor and Head	Ph.D	Water Resources Engineering
2	Dr.A.R.Dar	Professor	Ph.D	Structural Engineering

3	Er. F.A.Mir	Associate Professor	M.Tech.	Geotechnical Engineering
4	Dr.J.M.Banday	Associate Professor	Ph.D	Structural Engineering
5	Dr.M.A.Ahanger	Associate Professor	Ph.D	Water Resources Engineering
6	Dr.S.R.Shah	Associate Professor	Ph.D	Water Resources Engineering
7	Dr.J.A.Bhat	Associate Professor	Ph.D	Structural Engineering
8	Dr.A.Q.Dar	Associate Professor	Ph.D	Water Resources Engineering
9	Dr.J.A.Naqash	Associate Professor	Ph.D	Structural Engineering
10	Er.Danish Ahmad	Associate Professor	M.E	Water Resources Engineering
11	Dr.M.A.Tantary	Associate Professor	Ph.D	Structural Engineering
12	Dr.M.Y.Shah	Associate Professor	Ph.D	Geotechnical Engineering
13	Dr,M.S.Mir	Associate Professor	Ph.D	Transportation Engineering
14	Dr.B.A.Mir	Assistant Professor	Ph.D	Geotechnical Engineering
15	Er. A. A. Masoodi	Assistant Professor	M.Tech.	Structural Engineering
16	Er.R.R.Mir	Assistant Professor	M.E.	Water Resources Engineering
17	Dr.S.K.Bukhari	Assistant Professor	Ph.D	Geology
Number of Faculty Members engaged on Contractual basis = 09				

Courses offered

Course	Intake	Admitted	Pursuing	Completed
B.Tech.	123	120	35 ¹	70
M.Tech.(Structural Engg)	25	12	27+ sponsored (admission in progress)	09
M. Tech. (Water Resources Engg.)	15	05	10 + sponsored (admission in progress)	04
Ph. D.	13	02	02+Admission in progress	Nil

R&D Work:

Papers Published

i) In Journals

S.No.	Author/Authors	Title of the Paper	Name of the Journal	Issue in which published
1.	A.Q.Dar, M.A. Lone, Barkat Hussain	Filter design criteria for bases with a significant cohesive content	Indian Geotechnical Journal	October 2011
2.	S.K.Bukhari, B.A.Lone	Geotechnical aspects of landslides along national highway-B from Batote to Doda	I-managers Journal of civil Engg.	April 2011 June 2011
3.	S.K Bukhari, Naresh Sharma, B.A.Lone	Soil improvement by the use of waste plastics	I-managers Journal of civil Engg.	Dec. 2011 March 2012-
4	A.Juneja, B.A.Mir, A.K.Parihar	Effect of sand compaction pile installation in model clay beds	International Journal of Geotechnical Engineering	April 2011

ii) In Conferences

S.No.	Author/Authors	Title of the Paper	Name of the Conference	Venue & Date
1	Ahanger,M.A., Shanaz Vaseem	Monthly Run-off model for Jhelum River	National Conference Hydro- 2011	SVNIT Surat Gujarat-India Dec. 29-30 2011.
3	Ahanger,M.A., Lone Mud. A	Effect of climate change over Kashmir valley	International Conference ENSURE- 2012	I.I.T.Guwhati-India Feb.24-26, 2012
3.	Dar, A.Q. Adil Mushtaq	Morphometric analysis of micro- watersheds of Dal lake catchment (J&K) using geospatial technique.	National Conference Hydro- 2011	SVNIT Surat Gujarat, India Dec. 29-30, 2011.

4	Adil Mushtaq Dar, A.Q.	Prioritization of inaccessible micro-watersheds of Dal lake catchment (J&K) using GIS.	National Conference GEOS-12	KRSRAC Bangalore, India Jan.18-20, 2012.
5	Dar, A.Q. M.Adil, S.Ahmad	Watershed management of Dal lake catchment (J&K) based on erosion intensity hazard using geospatial technique.	International Conference "geomatrix-12"	IIT Bombay, India February, 26-29 2012
6	Mir B.A	Effect of fly ash as an additive for stabilization of soils	National Conference connecting science and society (2012)	IIS Bangalore, India. March 2012
7	Mir, B.A; Kumar, P; Kumar, A; Kumar, D Kumar, M; Muzamdar, M.	Geotechnical evaluation of dredged material from Dal lake as a construction material	Golden Jubilee IGC-2011	Kochi-Kerala, India
8	Mir, B.A; Gupta,M; Wani,S.A; Sharma,A	Effect of granular stabilization on the California Bearing Ratio (CBR) behaviour of clayey soils	National Conference RAGIT-2011	CBRI Roorkee India
9	Mir, M. S., Krishna Rao, K. V , Hunt, J. D.	Development of Space Rent Forecasting Model	International Conference CUPUM -2011	University of Calgary, Lake Louise, Alberta, Canada, July 5-8, 2011.
10	Mir, M. S., Janwari, M. M., Hassan, S.	Study and Modeling of Traffic Congestion on Urban Roads in Developing Cities	International Conference CUPUM -2011	University of Calgary, Lake Louise, Alberta, Canada, July 5-8, 2011.
11	Mir, M. S., Mamoon, R., Akhter, R. , Akhter, S.	Real-Time Data Collection System for Heterogeneous Traffic Environment	International Conference CUPUM -2011	University of Calgary, Lake Louise, Alberta, Canada, July 5-8, 2011.
12	A.H.Shah,	Performance of Dhaji	National	VVIET, Mysore

	A.R.Dar, Shahnaz	G.	Dewari frames under static earthquake loading	Conference on recent developments in civil engineering	Karnataka, India. April 8-9,2012
13	A.H.Shah, A.R.Dar, Shahnaz	G.	Reliability of wooden frame residential construction in Kashmir valley subjected to earthquakes	National Conference on recent developments in civil engineering	VVIET, Mysore Karnataka, India. April 8-9,2012
14	A.H.Shah, A.R.Dar, G.Shahnaz		Experimental study on the seismic resistance capabilities of Dhaji Dewari frames	International Conference EQADS-2011	PGS College of Technology, Coimbatore, Tamilnadu, India. Dec. 1-3,2011

iii) Research Projects

S. No.	Title	Agency	Investigators	Amount	Status Completed/ Under process/Submitted
1	Bench Marking of Minor Irrigation Projects in North Kashmir for performance Improvements	Ministry of Water Resources	Dr.M.A. Lone Dr.M.A.Ahange Dr.A.Q.Dar	66.00 Lacs	Under submission

Workshops/Seminars/STCs attended

S.No	Attendee Name	Title	Organization	Duration
1	Dr.M.A.Lone	Final Workshop on Support to the National Action Plan on Climate Change	Ministry of Water Resources ,CWC, Govt.of India New Delhi	27 th June 2011
2	Dr.M.A.Lone	National Conference Hydro- 2011	SVNIT Surat Gujarat and Indian Society for Hydraulics	Dec.29-30, 2011

3	Dr.M.A.Lone	Interactive meeting on 'Business studies on Impact of Climate Change on Water Resources	Ministry of Water Resources ,CWC, Govt.of India New Delhi	Feb.2 nd .,2011
4	Dr.M.A.Lone	Small Hydropower Development	AHEC, IIT Roorkee	Feb.22-26, 2012
5	Dr.M.A.Ahanger	National Conference Hydro- 2011	SVNIT Surat Gujarat and Indian Society for Hydraulics	Dec.29-30, 2011.
6	Dr.M.A.Ahanger	International Conference ENSURE-2012	I.I.T.Guwhati	Feb.24-26, 2012
7	Dr.A.Q.Dar	International conference on Geospatial Technologies and Applications "geomatrix-12"	CSRE IIT Bombay	February, 26-29, 2012
8	Dr.A.Q.Dar	National Conference Hydro- 2011	SVNIT Surat Gujarat and Indian Society for Hydraulics	Dec.29-30, 2011.
9	Dr.M.A.Tantary	Short course on soil structure interaction	IIIT Hyderabad	One week Dec 2011
10	Er.Aijaz Ahmad Masoodi	Short course on soil structure interaction	IIIT Hyderabad	One week Dec 2011
11	Dr.B.A.Mir	One day seminar on Chemistry: Our Life ,Our Future	Dept of Chemistry. N.I.T Srinagar	One day Nov.15,2011
12	Dr.B.A.Mir	One day workshop on role of mathematics in engineering	Dept of Mathematics N.I.T Srinagar	One day March3,2012

Other activities undertaken by the faculty/department

i)Reviewer of Journals

Name of the Reviewer	Name of Journal	National/International

B.A.Mir	Ground Improvement, ICE,U.K.	International
B.A.Mir	Geotechnique, ICE.UK	International
B.A.Mir	Geotechnical and Geological Engineering, Springer, Netherlands	International

S. No.	Title	Organization	Amount
1	Mix Design material testing for construction: Steal, Cement, Pipes, Cubes, Tiles, Bricks, Timber, Bridge bearings (Structural section)	J& K Government, Semi Government, Central Government and Private agencies (PWD Kashmir , R &B Kashmir, JKPCC,IRCON, MES, Power grid cor. India etc)	Rs. 22,96,000 /=
2.	Soil, Aggregate, Bitumen testing for construction. (Geotechnical section)	J& K Government, Semi Government, Central Government and Private agencies (R &B Kashmir, PMGSY Kashmir, LAWDA Srinagar, IRCON Kashmir, ERA Kashmir M.E.S , Power grid cor. India, etc)	Rs.28,45,300/=

ii) Major Consultancy Assignments undertaken

iii) Laboratory Development/Up-gradation

S.No.	Lab developed/Upgraded	Description of Development/Up-gradation procured	Amount incurred
1	Structural Lab	Hydraulic Jack along with proving ring, complete assembly. Balance for specific gravity ,cutter etc	Rs.1,60,000/=

New Initiatives

- Expansion and diversification of programs at post-graduate level (M. Tech) to suit technical advances with following specialisations;
 - Structural Engineering (in existence)

- Water Resources Engineering (in existence)
- Geotechnical Engineering (Already proposed)
- Transportation Engineering (Already proposed)

2. Creation of Earthquake Centre

4.1.2 DEPARTMENT OF MECHANICAL ENGINEERING

Head: Prof. M. F. Wani

Introduction

Established in 1963, the Department of Mechanical engineering has an intake capacity of 77 in B. Tech and 18 in M. Tech (Mechanical System Design). The students are

admitted to B. Tech. on the basis of entrance test conducted at the national level (AIEEE). The curriculum includes a diverse range of the subjects. The department has 12 labs to cater



to the needs of the students. The real strength of the department lies in its qualified, dedicated and motivated faculty. Most of the students are recruited by reputed organizations during campus placement every year. The Department has also established a M. Tech course in "Mechanical System Design".

Faculty

S. No.	Name of Faculty Member	Designation	Qualification	Research Areas

1.	Prof. (Dr.)M F Wani	HOD	Ph.D	Tribology,
2.	Dr. Rajat Gupta	Professor	Ph.D	Fluid Mechanics,
3.	Prof. (Dr) I K Pandita	Professor	Ph.D.	Structural dynamics, design
4.	Dr. G.A. Harmain	Associate Professor	Ph.D.,	Wave Motion
5.	Dr. M. Marouf Wani	Associate Professor	Ph.D	Combustion, Alternative fuels, Emission control
6.	Dr. N. A. Sheikh	Associate Professor	Ph.D	Aircraft wing vibration, Smart Structures
7.	Mr. Babar Ahmad	Associate Professor	M. Tech.,	MEMS, Ultrasonic transducer
8.	Mr. Adnan Qayoum	Associate Professor	M. Tech	Heat Transfer
9.	Mr. Shahid Saleem	Assistant Professor	M. Tech	Tribology of brake systems,
10.	Mr. Saad Parvez	Assistant Professor	M. Tech	Manufacturing strategy,
11.	Mr. Gulam Muham mad	Assistant Professor	M. Tech	Mechatronics
12.	Mr. Muhammad Han ief	Assistant Professor	M. Tech	Tribology
13.	Mr. M. S. Charoo	Assistant Professor	M. Tech	Tribology
14.	Mr. M. Mursaleen	Assistant Professor	M. Tech	Smart structures
Number of Faculty Members engaged on Contractual basis =				

Courses offered

Course	Intake	Admitted	Pursuing	Completed
B. Tech	77	-	-	-
M. Tech	23	17	17	
Ph. D	-	03	03	01

R & D work

i) Conference papers

S. No	Author/Authors	Title of paper	Name of the conference	Issue in which published
1.	Dr. M M Wani, dr. I K Pandita, Mr. Shahid Saleem, Mr M Hanief, Mr. M S Charoo.	"Computer simulation studies on a four-stroke cycle S T engine using gasoline and hydrogen as alternative fuels	NCRTME – 2011. Lingayah University, Faridabad	07-08 ept, 2011

ii) Research projects

S. No	Title	Agency	Investigators	Amount	Status
1.	Development of Nano-lubricants	UGC	Prof M F Wani and Mr. M S Charoo	Rs. 20.32 lacs	Submitted
2.	Development of coatings for turbine blades to counter erosive effect	CPRI	Prof M F Wani, Mr. M Hanief, Mr. M S Charoo	Rs 125 lacs	Submitted

Workshops / Seminars / STC's

i) Conducted

S. No	Title	Conducted by	Duration
1.	"Reliability, Availability and Maintainability in Industry" – One day Seminar	Mr. Babar Ahmad, Mr. Shahid Saleem and Mr. Saad Parvez	1 day – 28-05-2012
2.	"Mechatronics" – Short Term Course	Mr. Gulam Muhammad	1 week – 21-06-2011 to 26-06-2011

ii) Attended

S. No	Attendee name	Title	Organization	Duration
1.	Mr. Shahid Saleem, Mr. Saad Parvez, Mr. Gulam Muhammad, Mr. M Hanief, Mr. M S Charoo, Mr. M Mursaleen	STC on "Mechatronics"	Department of Mechanical Engg NIT Srinagar in collaboration with University of Kashmir	1 week - 21-06-2011 to 26-06-2011
2.	Mr. M S Charoo	Research Methodology	TTTI Chandigarh	1 week
3.	Mr. Shahid Saleem, Mr. M Hanief, Mr. M S Charoo,	R & D work	CGCRI Kolkata	2 weeks
4.	Dr. S N Ahmad	IYC 2011	NIT Srinagar	1 day

iii) Invited Lectures

S. No	Title / Theme	Delivered by	Duration
1.	Tribology of coatings	Prof. Kupuswamy	2 hours
2.	Friction materials	Prof. Sunil Mohan	2 hours

Other activities undertaken by the faculty/department;

i) Lectures delivered

Name	Event	Institute/ Organization	Date
Prof. M F Wani	IYC - 2011	NIT Srinagar	
Prof. M F Wani	Mechatronics	MED, NIT Srinagar / UOK	21-06-2011
Prof. M F Wani	R A M in Industry	MED, NIT Srinagar	28-05-2011

Dr. G A Harmain	Mechatronics	MED, NIT Srinagar / UOK	21-06-2011
Dr. G A Harmain	R A M in Industry	MED, NIT Srinagar	28-05-2011
Dr. S Nazir Ahmad	Mechatronics	MED, NIT Srinagar / UOK	21-06-2011
Mr. Babar Ahmad	Mechatronics	NIT Srinagar / UOK	21-06-2011
Mr. Babar Ahmad	R A M in Industry	MED, NIT Srinagar	28-05-2011
Mr. Adnan Qayoum	Mechatronics	NIT Srinagar / UOK	21-06-2011
Mr. Adnan Qayoum	R A M in Industry	MED, NIT Srinagar	28-05-2011
Mr. Shahid Saleem	R A M in Industry	MED, NIT Srinagar	28-05-2011

ii) Reviewer of Journals

Name of the Reviewer	Name of the Journal	National / International
Prof. M F Wani	ASME journal of Tribology	International
Prof. M F Wani	Journal of Materials and Design	International
Prof. M F Wani	Journal of Engineering Technology	International

iii) Laboratory Development / up-gradation

S. No.	Laboratory Developed / up-graded	Description of development / up-gradation procured	Amount incurred
1.	Tribology Lab under FIST	New Lab development	Purchase under process
2.	Metrology lab	Up-gradation	Purchase under process

Other achievements

- a) Prof M F Wani is Editorial Board Member of Journal of Material Science
- b) Prof M F Wani is Editorial Board Member of Usak Journal of Material Science

4.1.3. DEPARTMENT OF ELECTRICAL ENGINEERING

Head: Prof. M.D. Mufti

Introduction

The Department of Electrical Engineering is now 52 years old. For many years, the Department offered courses in both Electrical Engineering and Electronics & Communications Engineering. In 1984, the Department was bifurcated into two Departments viz Electrical Engineering and Electronics & Communications Engineering. The history since then has been one of continuous expansion and modernization. The Department has contributed and is contributing in several ways to the growth of Electrical Engineering, technology and industry in the Country.



Faculty

S.N	Name of Faculty	Designation	Qualification	Specialization
1.	Dr. M. D. Mufti	Professor	Ph. D	Intelligent Control, of Electrical Energy Systems
2.	Dr. Aijaz Ahmad	Professor	Ph. D	Power System Optimization,

3.	Dr. S. A. Lone	Associate Professor	Ph. D	Stand Alone Power Systems Control
4.	Dr. A.H. Bhat	Associate Professor	Ph. D	Power Electronics,
5.	S. J. Iqbal	Asstt. Professor	M.Tech.	Intelligent Control
6.	M. A. Bazaz	Asstt. Professor	M.Tech	Control & Automation
Number of Faculty Members engaged on Contractual basis = 05				

Courses offered

Course	Intake	admitted	Pursuing	Completed
B.Tech.	197	197	139	58
Ph. D.	01	01	01	Nil

R&D Work

i) Journal Papers

S.No.	Author/Authors	Title of the Paper	Name of the Journal	Issue
1	A.Hamid Bhat, B. Agarwal, Nitin Langer	Synthesis & performance evaluation of a digitally – controlled three-phase neutral-point clamped rectifier.	MIT International Journal of Electrical & Instrumentation Engineering	Issue one, August, 2011

ii) Research Projects undertaken

S. No.	Title	Agency	Investigators	Amount	Status
1	Application of Intelligent Control to Wind- Diesel-Solar Power System	CPRI Bangalore	PI: Prof. M. D. Mufti I: Dr. S. A. Lone I: S. J. Iqbal	25.0 lacs	Under process

ii) Seminars Attended

S.No.	Attendee Name	Title	Organization	Duration
1	Dr. S. A. Lone	Seminar on Reliability, Availability and maintainability	Mechanical Engineering Department, NIT Srinagar	One day

6. Other activities undertaken by the faculty/department

i) Lectures delivered

Name	Event	Institute/Organization	Date
Dr. A. H. Bhat	Power Electronics Applications	SSM College of Engineering, Pattan Kashmir	10-07-2011

ii) Reviewer of Journals

Name of the Reviewer	Name of Journal	National /International

1.	Prof. M. D. Mufti	i	International Journal of Electrical Engineering	International
		ii	Journal of Optics and laser Technology	
		ii i	Indian Journal of Science & Technology	National
2.	Dr. S. A. Lone	i	International Journal of Electrical Power & Energy Systems	International
3.	Dr. A. H. Bhat	i	IEEE Transactions on Industrial Electronics	International
		ii	IET Power Electronics	
		ii	International Journal of Electrical Power and Energy Systems	

ii) **Major Consultancy Assignments undertaken**

S.No.	Title	Organization	Amount
1	Testing of different single phase / three phase transformers & servo stabilizers and Soil Resistivity testing	M/S Vision Electronics, Srinagar Engineering Design Consultancy, Srinagar M/S J&K Stable Cable Car Corporation, Ltd. Srinagar Asstt. Ex. Engineer, Sub Division Ganderbal.	Rs.53,000/-

4.1.4. *DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING*

Head: Prof. A. H. Mir

Introduction

The Department of Electronics & Communication Engineering was established in the year 1984. The department conducts a four (04) years undergraduate academic programme leading to the award of **B.Tech. Degree in Electronics & Communication Engineering**. In addition, the department started **M. Tech programme in Communication & Information Technology** in the year 2004.



Opportunity to do project work over a span of two semesters is provided to the students of B.Tech. to utilize their knowledge in several areas of Electronics, Communication and Computer Engineering. The students work either on design & fabrication of equipments of innovative nature or on other specific and relevant research topics as decided in consultation with the project advisor.

1.Faculty:

S.No	Name	Designation	Qualification	Area of specialization
1	Dr. A. H. Mir	Professor	Ph. D	Image Processing, Biomedical Engg
2	Dr. G. M. Rather	Professor	Ph. D	Digital Communication & Networking
3	Dr. Najeeb-u-Din	Associate Professor	Ph. D	Silicon-on-Insulator (SOI) MOS devices
4	Mrs.Usha Razdan	Associate Professor	M. Tech	Computer Science
5	Mr. A. A. Mir	Associate Professor	M. Tech	Computer Technology
6	Mrs. Farida Khurshid	Assistant Professor	M. Tech	Image Processing & Pattern recognition
7	Mrs. Gausia Qazi	Assistant Professor	M. Tech	Optical Fiber Comm.
8	Mr. A. G. Mir	Assistant Professor	M. Tech	Comm & I. T.
9	Mr. G. R. Begh	Assistant Professor	M. Tech	Communication Systems
Number of Faculty Members engaged on Contractual basis = 07				

2. Courses offered

Course	Intake	admitted	Pursuing	Completed
B.Tech. (Electronics & Telecomm Engg)	77	74	197	46
M.Tech. (Comm. & I. T.)	20	15	25	10
Ph. D.	15	03	06	Nil

3. R&D Work

i) Journal Papers

S.No	Author/Authors	Title of the Paper	Name of the Journal	Issue in which published
1	Burhan Khurshid, G. M. Rather, and Najeeb-ud-din	FPGA Implementation of a High Speed Multistage Pipelined Adder Based CORDIC Structure for Large Operand Word Lengths,	<i>International Journal of Computer Science and Telecommunications</i>	Vol. 3, Issue 5, pp. 105-110, May 2012
2	Burhan Khurshid, G. M. Rather, and Najeeb-ud-din	Performance Analysis of CORDIC Architectures Targeted for FPGA Devices	<i>International Journal of Advanced Research in Computer Science and Software Engineering</i>	Vol. 2, Issue 2, February 2012
3	Farkhanda Ana, Najeeb-ud-din,	Suppression of gate induced drain leakage current (GIDL) by gate workfunction engineering: analysis and model,"	<i>Journal of Electron Devices</i>	Vol. 13, pp. 984-996, 2012
4	Burhan	Performance	<i>International</i>	Vol. 3,

	Khurshid, G. M. Rather, and Najeeb-ud-din,	Comparison of Non-Redundant and Redundant FPGA based Unfolded CORDIC architectures	<i>Journal of Electronics & Communication Technology,</i>	Issue 1, pp 85-89, January-March 2012
5	Farkhanda Ana, Najeeb-ud-din	Gate Workfunction Engineering for Deep Sub-Micron MOSFET's: Motivation, Features and Challenges	<i>International Journal of Electronics & Communication Technology</i>	Vol. 2, Issue 4, pp 29-35, December 2011
6	Jyoti Sharma, Najeeb-ud-din	A Critical Review: Side Channel Leakage Attacks on VLSI Cryptography	<i>International Journal of Computer Science and Technology</i>	Vol. 2 Issue 3, pp.210-216, September 2011.

ii) **Conference Papers**

S.No.	Author/Authors	Title of the Paper	Name of the Conference	Venue & Date
1	Suhail Ahmed, A.H. Mir, G.R. Begh	Latency evaluation of Extensible Authentication Protocols in WLANs	<i>5th International Conference on Advanced Networks and Telecommunication Systems (ANTS)</i>	Bangalore, Dec 18-21, 2011
2	Arshid Ahmad Gausia Qazi H. Najeeb-u-Din Shah	Design and optimization of CW laser based SCM-RoF System	<i>International Journal of Applied Engineering Research, ISSN 0973-4562, vol.6 No.18 (2011), Page 2930-34</i>	Gita Institute of Technology, Kurukshetra, September, 2011

3	Zahid Gulzar Gausia Qazi Arshid Ahmad	Gain Non-uniformity correction of EDFA based WDM Systems	<i>International Journal of Applied Engineering Research, ISSN 0973-4562, vol.6 No.18 (2011), Page 2983-88</i>	Gita Institute of Technology, Kurukshetra, September, 2011
4	Syed Tajamul Ahmad Gausia Qazi G. M. Rather & H. Najeeb-u-Din Shah	Performance Enhancement of SAC-OCDMA Systems using M-sequence Codes	<i>XXXVI-Optical Society of India Symposium on Frontiers in Optics and Photonics</i>	I.I.T. Delhi December 3-5, 2011
5	Nida-ul-Amin, Najeeb-ud-din	Performance and Comparison of a Differential LNA in SOI-DTMOS and SOI-DTMOS based Novel Structure,"	<i>International Workshop on Physics of Semiconductor Device Physics</i>	IIT Kanpur, India, December 2011
6	Nida-ul-Amin, Tahima Beigh, Abhishek K. Pandey Johns U K and Najeeb-ud-din	Performance and Comparison of a Differential Bulk-CMOS and SOI-CMOS LNA	<i>International Conference on Emerging Trends in Engineering and Technology (IETET-2011)</i>	Kurukshetra, India, October 2011
7	Burhan Khurshid, G. M. Rather, and Najeeb-ud-din,	Timing analysis of FPGA based Redundant Unfolded CORDIC architectures	<i>International Conference on Emerging Trends in Engineering and Technology (IETET-2011)</i>	Kurukshetra, India, October 2011
8	Romana Yousuf, Jyoti Sharma, and Najeeb-ud-din	Synthesis and relative performance of Carry Select and Carry Skip	<i>International conference on Frontiers of Computer Sciences</i>	Bangalore, August 7-9, 2011

		Adder in 65 nm FPGA		
9	Shaima Qureshi, Ahsan Chishti, A. H. Mir	Mobility Management in next generation networks	First International conference on Computing & Information Technology, Page 892-897	Al-Madinah Al-Munawarah, Saudi Arabia, March, 12-14 2012
10	M. Ahsan Chishti, Shaima Qureshi and A. H. Mir	Protocol Independent Multicast(MIP) based source specific Multicast (SSM).	7 th JK Science congress, Jammu, ITS-O030 , Page 194	Jammu, J & K Oct 13-15,

iii) Research Projects

S.No	Title	Agency	Investigators	Amount	Status Completed/Under process/Submitted
1	Special Manpower development in VLSI and related software II	Ministry of Comm. & Information Technology	G. M. Rather/ Najeeb-ud-din	111.00 Lac	Under process

4. Workshops/Seminars/STCs attended

S.No	Attendee Name	Title	Organization	Duration
1	Gausia Qazi	Frontiers in Optics and Photonics	Seminars attended in XXXVI-Optical Society of India Symposium	I.I.T. Delhi December 3-5, 2011
2	Najeeb-ud-din	16 th International Workshop on Physics of Semiconductor Device Physics	IIT Kanpur, India	December 18-22, 2011

5. Other activities undertaken by the faculty/department

i) Lectures delivered

Name	Event	Institute/Organization	Date
Najeeb-uddin	Workshop on next generation networks	CSE Deptt. NIT Srinagar	May 25, 2012

ii) Reviewer of Journals

Name of the Reviewer	Name of Journal	National/International
Najeebuddin	Transactions on Electron Device (IEEE)	International
Najeebuddin	Transactions on Nanotechnology (IEEE)	International
Najeebuddin	International Journal of Electronics (Taylor & Francis)	International
Najeebuddin	Journal of Electrical and Electronics Research (Academic Journals)	International

4.1.5. DEPARTMENT OF CHEMICAL ENGINEERING

Head: Dr. Noor Salam Khan

Introduction

The Department of Chemical Engineering was started in 1963 with a five year degree programme (B.E.) in Chemical Engineering. The Department presently offers instructions at undergraduate level leading to 4 year B.Tech. Degree in chemical Engineering.



Department has produced more than 1500 Chemical Engineering graduates, majority of them belonging to different parts of our Country. Few of them were even from foreign countries like, Iran, Libya, Jordan, Palestine, Saudi Arabia and Sudan.

Engineering graduates from the Department have achieved respectable places in various Government and private organizations. Some of them are also serving abroad at good positions. The Department has been maintaining a high standard of teaching and professional training to enable the students to compete in the national and international job markets. Department has been maintaining close liaison with Indian Institute of Technology Delhi, J&K Science and Technology Department, J&K State Pollution Control Board, Regional Research Laboratory Jammu and various industries in J&K State.

FACULTY*

S.No.	Name	Designation	Qualification	Area of specialization
01	Dr. Md N.S.Khan	Associate Professor and HOD	PHD	Bio Chemical Engineering
02	Mr. A.K.Suri	Asstt. Prof.	BE	Chemical Engineering
03	Mr. F.Q.Mir (Pursuing PHD)	-do-	M-Tech	Membrane Science and Technology
04	Mr. T.R.Dar (Pursuing M-Tech)	-do-	BE	Chemical Engineering
05	Mr. M.A.Rather	-do-	M-Tech	Nano photocatalysis, Environment.
06	Mr. M.P.Ahmad (Pursuing M-Tech)	-do-	BE	Chemical Engineering
Number of Faculty Members engaged on Contractual basis = 06				

Courses offered

Course	Intake (during the year)	Admitted	Pursuing
B.Tech.	77	77	73

R&D Work

i). Conference Papers:

S.No	Author/Authors	Title of the Paper	Name of the Conference	Venue & Date
01	Tanveer Rasool et al.	Synthesis and Characterization of activated Carbon utilising locally available almond shells	7 th JK Science Congress	Jammu University 13-15 Oct. 2011
02	Malik Parvez et al.	Experimental studies on drag of nonspherical particles in Non- Newtonian fluids	IMPC 2012	Kottayam Kerala 23-25 March, 2012

ii) Workshops Attended:

S.No	Attendee Name	Title	Organization	Duration
01	Tanveer Rasool	Modelling and Simulation in Chemical Engineering using modular simulator	MIT Pune	10 days

iii) Invited Lectures

S.No.	Title/Theme	Delivered By	Date
01	Micro Reactors	Prof. A.K.Verma, HOD Chemical engineering Department BHU.	June 6,2011

4.1.6 . DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING



Head: Prof. (Dr.) Rajinder Ambardar

Introduction

The department of “Metallurgical & Materials Engineering” formerly known as the “Department of Metallurgical Engineering” was established in our institute in the year 1963. The present sanctioned intake strength of the department is seventy seven (77) students per year. As approved by the Senate, the new scheme of courses formulated by the Department was made applicable to the students seeking admission in “Metallurgical & Materials Engineering” branch from the year 2011 and onwards. The department conducts a four (04) years under-graduate academic programme leading to the award of **B.Tech. Degree** in engineering.

A two semester “Project Work” is provided to the students to synthesize their knowledge in several areas of metallurgical & materials engineering. The students work either on design & fabrication of equipments for use in the laboratories or on other specific and relevant research topics as decided in consultation with the project advisor.

The objective of the department is to produce technocrats who possess besides necessary technical knowledge, human and social values, leadership qualities and a high degree of confidence & technical creativity.

The department through interactions with academia and industries at national levels intends to excel in metallurgical and materials engineering and in the allied areas by updating its academic curriculum and R & D activities so as to meet the requirements of the academia, industries and R & D centres.

Faculty:

S. No:	Name	Designation	Qualifications	Area of Specialization
1.	Dr. R. Ambardar	Professor	Ph.D	Metal Casting, NDT & E, Materials Technology
2.	Dr. D. M. A. Khan	Associate Professor	Ph. D	Composite Materials, Process Metallurgy

3.	Dr. Gitanjali	Associate. Professor	Ph. D	High Temperature Materials, Physical Metallurgy
4.	Er. Yashwant Mehta	Asstt.Prof.	M. Tech.	Corrosion Engineering Joining of Materials
5.	Dr. A. Rahman	Asstt.Prof	Ph. D.	Nano-Structured Coatings, High temperature Coatings,
Number of Faculty Members engaged on Contractual basis = 03				

Courses Offered:

Course	Intake	Admitted	Pursuing	Completed
B.Tech	77	42	42	23

Research and Development Work:

i) Journal Papers

S.No	Author/(s)	Title of the Paper	Name of the Journal	Issue in which published.
1.	R.Ambardar et.al.	“Study of Cyclic Hot Corrosion of Nanostructured Cr/Co-Al Coatings on Superalloy”	Materials Chemistry and Physics	Vol.126(2011) 253-261
2.	R.Ambardar et.al.	“High Temperature Oxidation Behaviour of Cr/Co-Al Coated Superalloy”	Surface Engineering	Vol.28,No.4(2012) 249-256
3.	R.Ambardar et.al.	“Microstructural Characterization and Cyclic Hot Corrosion Behaviour of Sputtered Co-Al	Oxidation of Metals	Vol 76. 307-330 (2011)

		Nano Structured Coatings on Superalloy”		
4.	R.Ambardar et.al.	“Microstructural Characterization and High Temperature Oxidation Studies of Nano Structured Co-Al Coatings deposited on Superalloy”	Transactions of Indian Institute of Metals	Vol.65 No.2(2012) 205-17
5.	Yashwant Mehta et.al.	“Thermo-mechanical Processing of Iron Phosphorous Carbon Alloys”	Journal of Minerals & Materials Characterization & Engineering”	Vol.10 (2011) 93-100
6.	Yashwant Mehta et.al	“Effects of Heat Treatment on Fe-0.3%P-0.14%C Alloy”	Journal of Minerals & Materials Characterization & Engineering”	Vol.9, No.9,(2011) 787-794
7.	Atikur Rahman et.al.	“Study of Cyclic Hot Corrosion of Nanostructured Cr/Co-Al Coatings on superalloy”	Materials Chemistry and Physics.	Vol. 126(2011) 253-261
8.	Atikur Rahman et.al	“High Temperature Oxidation Behaviour of Cr/Co-Al Coated superalloy”	Surface Engineering	Vol.28, No.4(2012) 249-256
9.	Atikur Rahman et.al	“Microstructural Characterization and Cyclic Hot Corrosion Behaviour of Sputtered Co-Al Nanostructured Coatings on Superalloy”	Oxidation of Metals	Vol. 76 (2011) 307-330

10.	Atikur Rahman et.al	"Hot Corrosion of Nanostructured Cr/Co-Al Coatings"	Surface Engineering	Vi.28, No.4,(2012) 285-293
11.	Atikur Rahman et.al	"Cyclic High Temperature Oxidation Behaviour of Sputtered Cr/Al Multilayer Coatings on Superalloy"	Surface Engineering	Vo.27,(2011) 393-401

ii) Conference Papers

S.No.	Author/Authors	Title of the Paper	Name of the Conference	Venue & Date
1.	R. Ambardar	"Cyclic Oxidation Resistance of Co-Al Coatings deposited on Superni-718 by Magnetron Sputtering Process"	65 th Annual Technical Meeting(ATM) of the IIM,13 th -16 th November-2011, Hyderabad.	IIM,13 th -16 th November-2011, Hyderabad
2.	R.Ambardar	"Preparation of Microstructural Characterization of Zinc Oxide Nano Powders"	65 th Annual Technical Meeting(ATM) of the IIM,13 th -16 th November-2011, Hyderabad.	IIM,13 th -16 th November-2011, Hyderabad.
3.	Atikur Rahman	"Cyclic Oxidation Resistance of Co-Al Coatings deposited on Superni-718 by Magnetron Sputtering Process"	65 th Annual Technical Meeting(ATM) of the IIM,13 th -16 th November-2011, Hyderabad	IIM,13 th -16 th November-2011, Hyderabad.
4.	Atikur Rahman	Preparation of Microstructural	65 th Annual Technical	IIM,13 th -16 th November-

		Characterization of Zinc Oxide Nano Powders”	Meeting(ATM) of the IIM,13 th -16 th November-2011, Hyderabad.	2011, Hyderabad.
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The future vision / Outlook of the department:

- To introduce Post-Graduate courses in the areas of :
 - (i) Metallurgical and Materials Engineering , and
 - (ii) Nano-Technology
- To establish the department as an “Inter-Disciplinary Activity Centre” so as to undertake R & D and consultancy activities of varied nature.
- To established the department as a “Centre of Excellence” in the specific area of technology so as to:
 - (i) address to the problems related to the effective utilization of the mineral & other resources of the state, and
 - (ii) to provide meaningful consultancy, testing, and R & D facilities to the industries in general and metallurgical and materials based industries in particular which are located in and around the state.

New Initiatives/Innovative Practices:

Following are the measures / innovative practices introduced to improve the quality of technical education in the department:

- Students have been given full freedom to interact with the faculty in and out side the class room. This helps them to grow and expand their field of knowledge, both technical and otherwise.
- Students are encouraged to deliver “Seminar Talks” on important topics, participate in “Technical Discussions”, and “Quizzes” in order to augment their knowledge, develop confidence and communication skills.
- Positive efforts are made by the faculty to the overall development of education and other academic related activities within and outside the department.
- Faculty is encouraged to make periodic visits to different Educational Institutions, Research Centers and Industries outside the state for fruitful interactions and academic / research discussions in order to improve their teaching and research skills. Further, the information so collected by the faculty is being shared with the students and every effort is being made to incorporate the relevant changes in the Subjects/Engineering course curriculum so as widen the job opportunities for the students, both in government and in private sectors.

Notable Achievements:

Past Achievements:

- i. Alumni of the department hold key position in various National & International Organizations including Industries, Academic, and R & D organizations etc. There is an excellent record of our alumni in academics and professional pursuits.
The students who have passed out over the years from the department are well placed in reputed industries, R & D centres and academic institutions, of the country and abroad.
- i. The Ministry of Steel, Govt. of India has sanctioned one Chair of Professor and Five scholarships @ Rs.4, 000/- P.M. per student with

full financial support for a period of 5 years from the Ministry.
However, the funds for the same have not been released by the Ministry so far.

- ii. The Campus placement for our final year students on an average has been around 85% and efforts are being made to ensure that more number of reputed companies visit our campus for placement of our students.
- iii. A long pending desire of the students to have a separate & an independent Computer Centre in the department has been partially fulfilled as a small Computer Centre with adequate number of P.C's has been made functional for use of the students.
- iv. Majority of laboratories of the department have been made functional for conduct of experiments in the relevant field of studies.

Achievement that took place during the year:

Students Placement and Higher Education:

The job opportunities for Metallurgical Engineering Graduates are confined to Iron and Steel plants, Foundries, Rolling Mills, Processing and Fabrication Industries, Materials Testing and Processing Industries, R & D organizations, Private and Public Sector Under Takings dealing in Metallurgy related activities and Soft Ware. A good number of such organizations are visiting over Institute for On-Campus placement/recruitment of the students. During the past couple of years, the On-Campus recruitment of our students has been encouraging. In the year 2007-08, about 50% of the final year students were recruited by the companies such as VEDANTA, ESSAR STEELS, and MECON etc., Off-campus placement for this batch of the students was 40%. For the batch 2008-09, 25% of the students have got jobs through On-campus recruitment, whereas 50% students have got jobs on their own through Off-campus recruitment. For the batch passing out in July 2010, the placement to the extent of 85% has already been done till March 2010 by the companies such as Jindal Steel Works and Sterlite. It is believed that many more metallurgy and materials related concerns from out side the state in future visit our institute for recruitment of our students.

A fairly good number of our graduate students have shown interest in pursuing higher education and as such have sought admissions in reputed Institutions / Universities of India.

The relevant information of the student for the last few years is given as under:

Year	Percentage of Students Selected			Average Salary	Highest Salary Offered
	On Campus	Off Campus	Pursuing Higher Education		
2007 – 08	50%	40%	10%	3.0 Lacks Per Annum	3.5 Lacks Per Annum
2008 – 09	25%	50%	10%	3.0 Lacks Per Annum	4.5 Lacks Per Annum
2009-10	75%	10%	12%	3.00 Lacks Per Annum	3.60 Lacks Per Annum
2010-11*	75	10	15%	4.00 Lacs per Annum	4.60 lacks per Annum

*Batch pass out in July 2011.

4.1.7 . DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Head: Dr. Roohie Naaz Mir

Introduction

The Department of Computer Science & Engineering was started in the year 2007, offering four year undergraduate courses, wherein undergraduate students are imparted knowledge in multitude of specialties, including: computer



Architecture, Network, Operating System, Data Structure and Algorithm, Theory of Computation, Numerical analysis, Compiler design, Graphics, Artificial intelligence, Database Management System, Data mining, Software Engineering, Human computer interaction, etc.

The Department of Computer Science and Engineering embodies the Institute's tradition of excellence as a world-class leader in computer science and engineering education and research. CSE is in a period of exciting growth and opportunity. In the current ever evolving industrial scenario contents delivered to the students are regularly updated by the faculty members who have themselves been at the helm of path breaking researches and innovations.

In addition to academic work, the CSE department also has computer science research programmes (for a full listing of specialties visit Research Areas) supported through government and industry funding. Faculty research helps define and expand the current and future use of technology.

During the year the students passed out from the department got placed in various National and Multinational companies with 100% placement.

Faculty:

The department has qualified faculty and the major areas of expertise available includes disciplines viz., Computer & Network Security, System Design, , Image Processing, Computer Networks, Design and analysis of Algorithms etc.

S. No.	Name	Designation	Qualification	Area of specialization
1	Dr. Roohie Naaz Mir	Associate professor	Ph. D.	Network Security, System Design
2.	M. Ahsan Chishti	Assistant	M. S.	Computer

		professor		Networks, IPV6.
3.	Shaima Qureshi	Assistant professor	M. S.	Mobile IP, Algorithms
Number of Faculty Members engaged on Contractual basis = 07				

Laboratories:

The department has well equipped laboratories which include OOPs lab, Graphics Lab, Network Security lab etc.

Courses offered

Course	Intake	admitted	Pursuing	Completed
B.Tech. (Computer Science and Engineering)	60	60	60	-----

R&D Work

Research Publications i) Journals

S.No.	Author/Authors	Title of the Paper	Name of the Journal	Issue in which published
1	Shihab A. Hameed and Mohammad Ahsan Chishti	The Power Of Web Portals As A Gateway To Resources	Mechatronics Book Series	IIUM Press, ISBN: 978-967-0225-68-5, Page 480.
2	Sajid Hassan, Mohammad Ahsan Chishti, Farhat Anwar, Chandran Elamvazuthi	Web based Documentation System for Dynamic Roadmaps	Mechatronics Book Series	IIUM Press, ISBN: 978-967-0225-68-5, Page 472

ii) Conferences

S.No.	Author/Authors	Title of the Paper	Name of the Conference	Venue & Date
1.	Shaima Qureshi,	Mobility	First Taibah	Al-

	M. Ahsan Chishti and A. H. Mir	Management in Next Generation Networks	University International Conference on Computing and Information Technology	Munawarah, Saudi Arabia. 12-14 March 2012
2.	Shaima Qureshi and M. Ahsan Chishti	Experimental Implementation of Mobility in Next Generation Test Bed Networks	IEEE International Conference on Communications and Signal Processing	National Institute of Technology Calicut, February 2011.
3.	M. Ahsan Chishti, Shaima Qureshi and A. H. Mir	Protocol Independent Multicast (PIM) based Source Specific Multicast (SSM)	7 th JK Science Congress	University of Jammu, October 13-15, 2011. ITS-Oo30, Page 194.
4.	Faheem-un-nissa and M. Ahsan Chishti, "" . Paper published in the proceedings of	The Biometric Boom	workshop on Recent Trends in Engineering and Technology,	National Institute of Technology Srinagar, November 16, 2011. Page 48-53.

R&D Projects:

S. No.	Title	Agency	Investigators	Amount	Status Completed/Under process/Submitted
1	Deployment and Evaluation of Source Specific Multicast over IPv6	JK Council of Science & Technology, Department of Science & Technology,	M. Ahsan Chishti and Shaima Qureshi	10 Lakh	Under progress

Workshops/Seminars/STCs /Event

i) Conducted

S.No.	Title	Duration
1	Recent Trends in Engineering and Technology	16 th November 2011
2	Interactive Session with Kumar Ankit	14 th November 2011

ii) Attended

S.No.	Attendee Name	Title	Organization	Duration
1	Mohammad Ahsan Chishti	First Taibah University International Conference on Computing and Information Technology	Al-Madinah Al-Munawarah, Saudi Arabia.	12-14 th March 2012

4.1.8 . DEPARTMENT OF INFORMATION TECHNOLOGY

Head: DR. Roohie Naaz

Introduction

The Department of Information Technology was established in 2007, offering four year undergraduate programme (B.Tech) in Information Technology. This undergraduate



programme is of 4 years duration with the first year spread over two semesters which is common to all the branches. The intake capacity of the department was 40 in 2007 and then subsequently increased to 60 in 2011.

The Department offers a broad curriculum including: Database Management, Software Engineering, Management of Information Systems, Data mining, Computer Graphics, Advanced Internet Technology, Computer Networks, Operating System, Data Structures and Algorithms as the main courses and other courses in collaboration with the other departments of the institute at the undergraduate level.

The Department of Information Technology embodies the Institute's tradition of excellence as a world-class leader in IT education and research. IT sector is in a period of bloom in terms of growth and opportunity. In the current ever evolving industrial scenario contents delivered to the students are regularly updated by the faculty members who have themselves are well acquainted with path breaking research and innovations in the present technology-oriented world.

During the year the students passed out from the department got placed in various National and Multinational companies with 100% placement.

Faculty:

The department has qualified faculty and the major areas of expertise available includes disciplines viz. Computer and Communication Networks, Computer & Network Security, Wireless and Mobile Communication, Wireless Sensor Networks, Image Processing etc.

S. No.	Name	Designation	Qualification	Area of specialization
1	Shabir Ahmad Sofi	Assistant professor	M. Tech.	Wireless Sensor Networks, Computer & Communication Networks
2	Arooj Nissar	Assistant professor	M. Tech.	Image Processing
Number of Faculty Members engaged on Contractual basis = 07				

Laboratories:

The department has well equipped laboratories which include, Basic Computer lab, IWD Lab, RDBMS Lab, Computer Network and Communication lab etc.

Courses offered

Course	Intake	admitted	Pursuing	Completed
B.Tech. (Information Technology)	60	60	60	-----

R&D Work**i) Research Publications**

S.No.	Author/Authors	Title of the Paper	Name of the Conference	Venue & Date
1.	Shabir A. Sofi, Eshan Malik, Rayees Ahmad Baba, Hilal Ahmad, Roohie Naaz Mir	<i>“Analysis of Byzantine Attacks in Ad Hoc Networks and their Mitigation”</i>	1 st Taibah University International Conference on Computing and Information Technology (ICCIT 2012).	Al-Madina Al-Munawara, Saudi Arabia 12-14 March 2012
2.	Shabir Sofi, Sabah Bashir, Inhas Ashraf	<i>“Cloud Computing and Grid Computing for the Smart and Green Information Systems “</i>	1 st Taibah University International Conference on Computing and Information Technology (ICCIT 2012).	Al-Madina Al-Munawara, Saudi Arabia 12-14 March 2012
3.	Shabir A.Sofi, Inhas Ashraf,	<i>“An Analysis of Power Aware</i>	Paper accepted for Publication	Riba, London,

	Faheem ud din, Adil Ayub, Roohie Naaz Mir	<i>Dynamic Source Routing in Mobile Ad hoc Networks and their Mitigation</i>	in forthcoming international conference on Wireless Sensor Systems (WSS 2012)	United Kingdom
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Workshops/Seminars/STCs /Event conducted

S.No	Organized by	Title	Organization	Duration
1.	Shabir A. Sofi	Mock Parliament	IEI in collaboration with department of IT department	One day
2.	Shabir A. Sofi	Online Photo Competition	IEI in collaboration with department of IT department	One day

Workshops/Seminars/STCs attended

S.No	Attendee Name	Title	Organization	Duration
1	Shabir A. Sofi	"Forensic Tools and Cyber Crime"	NITTTR Chandigarh	Feb. 2012, One Week
2	Shabir A. Sofi	1 st Taibah University International Conference on Computing and Information Technology (ICCIT 2012).	Taibah University Al-Madina Al-Munawara, Saudi Arabia	12-14 March, 2012, Three days

Other activities undertaken by the faculty/department

The department is actively taking part in the national and state level IT activities which involve the expertise for the various central Govt. and state Govt. organizations .

4.1.9. DEPARTMENT OF MATHEMATICS

Head: Dr. A.Liman

Introduction

The Department of Mathematics, National Institute of Technology, Srinagar started its functioning in the year 1960. During past 52 years many mathematicians of International repute like Prof. Q. I. Rehman (presently working in Canada), Prof. M .A .Ansari (Bretlee - Ansari's test), Prof. S. I. Hussain (Coordinator of NCERT Books), Prof. A. H. Siddiqui (Ex – Pro Chancellor Aligarh Muslim University) and many worked in the Department. The faculty members of this department are actively engaged in research and have published around 60 research papers in last five years in National and International journals.

Faculty

S.No.	Name	Designation	Qualification
01	Dr. Abdul Liman	Associate Prof. & Head	Ph.D
02.	Dr. Zamrooda Jabeen	Assistant Professor	Ph.D
03.	Dr.Tanweer Jalal	Assistant Professor	Ph.D
04.	Dr. Neyaz Ahmad Sheikh	Assistant Professor	Ph.D
	Number of Faculty Members engaged on Contractual basis =		

Courses offered

*Course	Intake	Admitted	Pursuing	Completed
M.Phil	-	01	01	-
Ph. D.	-	02	02	-

* The Department also engages the Mathematics and other relevant Courses at B.Tech and M.Tech. levels of all branches of Engineering in the Institute.

R & D Work

i) Journal Papers

S. No	Author/Authors	Title of the Paper	Name of the Journal	Issue in which published
1.	W.M. Shah and A. Liman	Integral Mean Estimates for Polynomials with Restricted Zeros	Tamsui Oxford Journal of Information and Mathematical Sciences	27(2) (2011), 165-181.
2.	N.K. Govil, A. Liman and W.M. Shah	Some Inequalities Concerning Derivative and Maximum Modulus of Polynomials	Australian Journal of Mathematical Analysis and Applications	8(2011), no.1, Art. 7, 8pp
3.	A. Liman, R. N. Mohapatra and W.M. Shah	Inequalities For Polynomials Not Vanishing in a Disk	Applied Mathematics and Computation	218(2011), no.3, 949-955.
4.	A. Liman and W.M. Shah	Integral Estimates for the family of B-operators	Journal of Operators and Matrices	5(1), 2011, 79-87
5.	A. Liman, W.M. Shah and Sajad Amin Baba	Bounds for the Zeros of Polynomials with Restricted Coefficients	Matematički Vesnik, 64, March	March, 2012, no. 1, 73-78
6	N.A. Sheikh & D. Kumar	Pseudoframes and Non-orthogonal Projections onto Subspaces	Pan American Mathematical Journal	Vol. 22 (2012) No.3, 45-55.
7	N.A. Sheikh & F.A. Shah	Construction of vector-valued multivariate wavelet frame packets	Thai Journal of Mathematics,	Vol. 10 (2012) No. 2, 401-414.
8	N.A. Sheikh & A. Hamid	A new paranormed sequence space and some matrix transformations,.	Acta Mathematica Academiae Paedagogicae Nyiregyháziensis (Hungary)	Vol. 28 (1), 2012, 47-58
9	N.A. Sheikh & F.A. Shah	A- transform of wavelet frames	Communications in Mathematics and Applications	Vol.3 (2012) No.3, 273-283
10	N.A. Sheikh & A. Hamid	On the spaces of λ -convergent sequence and almost convergence	Thai Journal of Mathematics	Vol.10 (2012) No.3.

Workshops/Seminars/STCs

i) Conducted

S. No	Title	Duration
01	Workshop on Role of Mathematics in Science, Engineering and Technology on 26 th of March 2012 in the Department of Mathematic National Institute of Technology Srinagar.	One day

ii) Attended

S. No	Attendee Name	Title	Organization	Duration
01.	Abdul Liman	Work shop on Recent trends in Engineering and Technology	NIT Srinagare	One Day

Reviewer of Journals

Name of the Reviewer	Name of Journal	National/Internati onal
Dr. Abdul Liman	1. South East Asian Bulletin of Mathematics.. 2. Bulletin of Iranian Mathematical Society.. 3. Advances in linear algebra and matrix Theory(ALAMT).. 4. Bull Math Soc. Sci. Math. Roumanie.. 5. Mathematic Scientific Journal.. 6. Journal of Advanced Research in Pure Mathematics.. 7. Journal of Inequalities and Applications.. 8. Journal of Applied Mathematics.. 9. Juornal of Korean Mathematical Society.. 10. Journal of Abstract and Applied Analysis..	All International

N.A. Sheikh	1. American Mathematics Letter 2. Hisab 3.Thai Journal of Mathematics	International International International
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4.1.10. *DEPARTMENT OF PHYSICS*

Head: Dr. M.M.Ahmad

Introduction

The Department of Physics was established in 1960 and since then it remained actively engaged in imparting the instructions at U.G. level in addition of achieving higher standards in the field of research by guiding M.Phil/Ph.D programs and other sponsored research projects.

It offers two semester compulsory course of basic physics so necessary for engineering students. Besides, the Department offers Electromagnetic Fields and waves, Electronic Devices to the 5th semester (Electronics and Communication) students and Electromagnetic Field and Waves to the 3rd semester (Electrical) students. Besides, the Department has the expertise for giving elective courses, for students of the Civil, Electrical , Mechanical and Metallurgical Engineering Departments.

The Institute acquired the status of National Institute of Technology in August 2003. Since then, the Department of Physics remained very active in research and other academic activities. Till date more than 45 scholars have been awarded the degree of M. Phil/Ph. D. More than 500 research publications in the national and International Journals of repute have been published. Many research projects have been successfully completed and many are running in the Department. The Department is presently very active in research in different fields like Studies of Ionospheric and Magnetospheric Plasma, Material Science, Nuclear Physics, Solid State Physics, Photonics, Renewable sources of energy and Nano-science and

Technology. At present 8 research scholars are working in various fields for their M. Phil and Ph. D Degree

Faculty

S.No.	Name	Designation	Qualification	Area of specialization
1	Dr. M. M. Ahmad	Associate Prof. & Head	Ph.D	Space Plasma/Nano
2	Dr. G. R. Khan	Associate Professor	Ph.D	Nanotechnology/Fiber optics/Quantum Theory
03.	Dr. P.A. Ganai	Assistant Professor	Ph.D	Nuclear Physics
04.	Dr. M.A. Shah	Assistant Professor	Ph.D	Material Science
05.	Dr. M. Ikram	Assistant Professor	Ph.D	Solid State Physics
06.	Dr. S. Rubab	Assistant Professor	Ph.D	Renewable energy Source
Number of Faculty Members engaged on Contractual basis =				

Courses offered

*Course	Intake	Admitted	Pursuing	Completed
M.Phil	-	01	01	-
Ph. D.	-	02	02	-

***The Department also engages the Physics and other relevant Courses at B.Tech level of all branches of Engineering in the Institute.**

R & D Work

i) Journal Papers

S.No.	Author/Authors	Title of the Paper	Name of the Journal	Issue in which published
01.	M. Altaf and M. M. Ahmad,	Study of Duct Characteristics Deduced from Low Latitude Ground Observations of Day-time Whistler at Jammu.	<i>International Journal of Astronomy and Astrophysics,</i>	Vol.2, No.3, 2012.
02.	A. Firdous and M. M. Ahmad,	Optical and High-temperature Electrical properties of pure and sr-Modified CdS nanocrystals,	International J. nanoscience	vol 11, No 11250009 (1-6) 2012.
03.	A. Firdous, D. Singh and M.M. Ahmad,	Electrical and optical studies of pure and Ni-doped cds quantum dots,	Applied nanoscience	doi 10. 1007/s 13204-012-0065-0
04.	Mukhtar Ahmad Wani, M.M.Ahmad and Roohie Naaz Mir,	Implementation of code division multiple Access using asynchronous sequential techniques,	International J. of Computer application (0975-888)	vol. 47. No. 9, June 2012.
05.	G. R. Khan et al.	“ Analytical method for gain in erbium doped fiber amplifier with pump excited state absorption”,	Optical fiber Technology,	vol 19, pp 250, 2012
06.	AH Mir, S Rubab, ZA Jhat	Biometric verification: A literature survey	Int J. of computing & ICT research	5(2) Dec 2011
07.	Jhat, ZA, AH Mir & S Rubab	Human verification using multiple finger print texture	Computer Engg. & Intelligent system	2(8) 2011

ii) Conference Papers

	Author	Title	Name of conf	Venue & Date
2	Seemin Rubab	Communicating science through thematic philately	Int conf. on scientific temper	12-14 Jan 2012 CSIR New Delhi
3	Jhat, ZA, AH Mir & S Rubab	Human verification using multiple finger print texture	Int conf on signal, image & video processing	13-15 Jan 2012 Patna

ii) Research Projects

S.No.	Title	Agency	Investigators	Amount (in Lac)	Status Completed/Under process/Submitted
01.	Synthesis, characterization of some rare earth transition metal oxide systems (RETMO) and their irradiation study.	NSC New Delhi	Dr M. Ikram	05.91	
02.	Remote sensing of ionosphere and magnetosphere using ELF/VLF waves at low latitude	ISRO	Dr.Prince Ahmad	26 .00	

Workshops/Seminars/STCs

i) Conducted

	Title	Duration
1	First Inspire Science Camp	17-21 March
2	Second Inspire Science Camp	19-23 May
3	Second Inspire Science Camp	22-26 August

ii) Attended

	Name	Title	Organization	Duration
1	Seemin Rubab	Women Managers in HE	Coll. Of Education	5 days

Other activities undertaken by the faculty/Department

i) Lectures delivered

Name	Event	Institute	Date
Seemin Rubab	Orientation course for +2 lecturers	State Institute of Education	9.2.2011 to 11.2.2011

ii) Invited Lectures

	Title	Delivered by	Duration
1	Role of Nanotechnology to enhance energy security	Seemin Rubab	2 days

4.1.11. DEPARTMENT OF CHEMISTRY

Head: Prof. Siraj Ahmad

Introduction

The Department of Chemistry was established in 1960 and has been headed by the renowned personalities like Prof. R. P. Jeerath,, Dr. Ram Murthi, Dr. Shakti Rais Ahmad, and Dr. A. K. Choudhry. About fifteen Ph. Ds and 30 M. Phils have been produced by the Department till date. The faculty members of the Department have published many scientific papers and reviews in National and International journals of repute. Research, in the areas of Physical, Organic, Inorganic and Environmental chemistry, are being carried out in the Department.

Faculty

S.No.	Name	Designation	Qualification	Area of specialization
01	Dr. Siraj Ahmad	Professor & Head	Ph.D	Physical Chemistry
02.	Dr. S. A. Shah	Assistant Professor	Ph.D	Inorganic Chemistry
03.	Dr. Tabassum Ara	Assistant Professor	Ph.D	Organic Chemistry
04.	Dr. Kowsar Majid	Assistant Professor	Ph.D	Physical Chemistry
05.	Dr. J. A. Banaday	Assistant Professor	Ph.D	Organic Chemistry
06.	Dr. Hamida Chisti	Assistant Professor	Ph.D	Inorganic Chemistry
Number of Faculty Members engaged on Contractual basis =				

Courses offered

*Course	Intake	Admitted	Pursuing	Completed
M.Phil	-	01	01	-
Ph. D.	-	02	02	-

***The Department also engages the Chemistry subjects and other relevant Courses at B.Tech. level of all branches of Engineering of the Institute.**

R & D Work

i) Journal Papers

S.No.	Author/Authors	Title of the Paper	Name of the Journal	Issue in which published
01.	S. A. Ganai, Hamida-Tun-Nisa, Javid Ahmad & Siraj Ahmad	"Synthesis & thermal studies of polyaniline stannic silicate & its role in the removal of toxic metal ions."	<i>American Journal of Analytical Chemistry</i>	2012, 3, 272-276.
02.	K. Majid, F. A. Rafiqi, M. S. Rather	"Photosubstituted synthesis, characterization and thermal kinetics of potassium hexacyanoferrate with monoethanolamine."	<i>Elixir Chem. Phys</i>	2011, 36, 3245-3247.
03.	J. A. Bandy, F. A. Mir, S. Farooq, M. A. Qurishi, S. Koul, T. K Razdan	"Structural, Thermal and Optical Studies of Oxypeucedanin Hydrate Monoacetate Micro-Crystals from <i>Prangos pabularia</i> ."	<i>American Journal of Analytical Chemistry</i>	2012, 3, 204-209.
04.	J. A. Bandy, F. A. Mir, S. Farooq, M. A. Qurishi, S. Koul, T. K. Razdan.	"Salicylic acid and Methyl gallate from the roots of <i>Conyza canadensis</i> ."	<i>International Journal of Chemical and Analytical Science</i>	2012,3(2), 1305-1308.
05.	S. A. Ganai, Hamida-Tun-Nisa, Javid Ahmad & Siraj Ahmad	"Synthesis & thermal studies of polyaniline stannic silicate & its role in the removal of toxic metal ions."	<i>American Journal of Analytical Chemistry</i>	2012, 3, 272-276.
06.	S. A. Ganai, Hamida-Tun-Nisa, Javid Ahmad & Siraj Ahmad	"Synthesis & thermal studies of polyaniline stannic silicate & its role in the removal of toxic metal ions."	<i>American Journal of Analytical Chemistry</i>	2012, 3, 272-276.

ii) Conference Papers

S.No.	Author/Authors	Title of the Paper	Name of the Conference	Venue & Date
01.	M. S. Rather, K. Majid, R. K. Wanchoo, M. L. Singla	"Novel photoadduct synthesis and its composite with polyaniline: Characterization and thermal study."	International conference on frontiers in nano science, nanotechnology and applications.	Chandigarh, India. Feb. 16-18, 2012.
02.	M. S. Rather, K. Majid, R. K. Wanchoo, M. L. Singla	High thermal stable composite of polyaniline involving photoadduct of potassium hexacyanoferrate (II).	International conference on nano science and technology .	Hyderabad, India. Jan. 20-23, 2012.

iii) Research Projects

S.No.	Title	Agency	Investigators	Amount (in Lac)	Status Completed/Under process/Submitted
01.	Photoadduct based nanocomposites: Synthesis, characterization, electrical, thermal and mechanical properties.	DST	Dr. Kowsar Majid	25,34,120.00	Under Process
02.	Removal of toxic metal ions from Dal Lake by complex formation	UGC	Dr. Hamida Chisti		Submitted

Workshops/Seminars/STCs**i) Conducted**

S.No.	Title	Duration
01.	One day Seminar on " Chemistry-Our life, our future" in commemoration of International Year of Chemistry 2011.	One day (15 th Nov. 2011)

ii) Attended

S.No.	Attendee Name	Title	Organization	Duration
01.	Dr. Tabassum Ara	Short term course in " Research Methodology"	UGC Academic staff College, University of Kashmir, Srinagar	Two Days (6-7 July 2011)
02.	Dr. Tabassum Ara	Short term course in " Research Methodology in Science (Nanoscience)" .	UGC Academic staff College, University of Kashmir in collaboration with National Institute of Technology ,Srinagar .	Two Days (9-10 December 2011)
03.	Dr. Tabassum Ara	"Role of Mathematics in Science, Enggenering and Technology " organised by the Department of Mathematics, National Institute of Technology , Srinagar .	Department of Mathematics, National Institute of Technology ,Srinagar .	One Day (26 March 2012)
04.	Dr. Hamida Chisti	UGC sponsored Research Methodology Course in Sciences	UGC Academic Staff College, Kashmir University	Three weeks (16.01.2012-08.02.2012)

05.	Dr. Hamida Chisti	"Role of Mathematics in Science, Engineering and Technology",	Department of Mathematics, National Institute of Technology ,Srinagar	One Day (26 March 2012)
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Other activities undertaken by the faculty/Department

i) Lectures delivered

Name	Event	Institute/Organization	Date
Dr. Kowsar Majid	Invited	University of Kashmir	15 th April 2011
Dr. Kowsar Majid	IYC	S.P college Srinagar	19 November 2011
Dr. Kowsar Majid	Invited	Department of chemical Engineering ,PU, Chandigarh	17 February 2012

ii) Reviewer of Journals

Name of the Reviewer	Name of Journal	National/International
Dr. S. A. Shah	Collection of Czechoslovak Chemical Communications	International
Dr. Kowsar Majid	Materials in electronics (Springer)	International
Dr. Kowsar Majid	Journal of Polymer Research	International
Dr. J. A. Banday	Natural Product Research (Taylor and Francis)	International
Dr. J. A. Banday	Fitoterapia (Elsevier)	International

3.1.12. *DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES*

Head: Dr.M.F.Lala

Introduction

The Department of Humanities and Social Science came into existence at the beginning of the Institute and has been since then contributing actively in the academics and other related affairs of the Institute. Besides engaging the classes for all the branches of Engineering in their First year, the department also offers a good number of courses at higher semester levels of different branches of engineering. The faculty of the Department is also contributing in the field of Research and Development which include guidance to M.Phil/Ph.D. Scholars and also engage additional classes for improving the communication skills of the students who have a background of regional language medium of study.

Faculty

S.No.	Name	Designation	Qualification	Area of specialization
01	Dr. M. F. Lala	Associate Prof. & Head	M. B.A., Ph.D	Marketing and Finance
02.	Mir Mukhtar Ahmad	Associate Professor	M. Com., L.L.B.	Marketing and HR
03.	Miss Nancy Handoo	Associate Professor	M.A. English	English Language Teaching
Number of Faculty Members engaged on Contractual basis =				

Courses offered

*Course	Intake	Admitted	Pursuing	Completed
Ph. D.	03	02	01	01

* The Department also engages its relevant Courses at B.Tech level of all branches of Engineering of the Institute.

R & D Work

i) Journal Papers

S. No.	Author/Authors	Title of the Paper	Name of the Journal	Issue in which published
01.	Mohammad Farooq Lala & Anisa Manzoor Bhat	"Impacts of tourism on the cultural & social life within the rural tourist destinations of Kashmir valley."	<i>Contemporary Discourse (International Journal)</i>	2011, 2 (2), 21-26.

Achievements

- The Department has introduced remedial coaching classes from 09.05.2012 to 18.06.2012 for improving the learning, writing and communication skills of all the students in general and the weaker students (medium of instruction other than English) in particular.
- A well designed programme consisting of relevant tutorial sheets based on use of grammar especially verbs, adverbs, propositions and other words of common use.
- The faculty in strength has been engaged for these classes and response has been quite encouraging as the number of students is increasing for such classes.
- This will be a sustained/continued activity forming the part of basic curricula and regular classes are intended to be engaged in the coming session.
- The programme is also intended to uplift the academic performance/level of the students of categories like SC/ST in particular and all weaker students in general.

4.2. CENTRES

4.2.1. WATER RESOURCES MANAGEMENT CENTRE

Head of the Centre: Prof. M. A. LONE

1. Introduction

WRMC was established by the Ministry of Education, Govt. of India in 1983 under new plan scheme for creation of infrastructure in the areas of emerging technology. The objectives of the Center are:



- i. To undertake work on specific technological problems of relevance and importance in Water Resources Management and to make fundamental contribution to the advancement of technology.
- ii. To undertake Research and Development work of a high order by mobilizing inter- disciplinary and inter- institutional collaboration.
- iii. To act as a resource center for the creation of knowledge and for the collection and dissemination of Information on the subject .
- iv. To undertake research works in the field of Water Resources Engineering to meet the requirements of industry, Research and Development establishments, irrigation and other water resources management agencies.

2. Facilities Available:

i) Library Facilities:

Fair amount of literature on topics related to Water Resources Engineering and other related topics is available in the main library of the Institute. Besides that a good collection of books, journals and reports is available in the library of Water Resources Management Centre.

ii) Computational facilities:

The Centre has also a Mini-computer Centre with necessary computational facilities.

iii) Laboratory Facilities:

Hydraulics/Fluid Mechanics Lab.

Hydraulics /Fluid Mechanics laboratory which has been brought up to the higher standards of research and development is not only catering the requirements of the Centre but also meets the requirements of departments of Civil Engineering and Mechanical Engineering. It has got almost all necessary equipment and is being modernised with the latest equipments/instruments.

Hydrobiology lab:

This Lab. is being set up under the approval of the MHRD and is at the verge of its completion. The lab. after its completion will be fully equipped with the latest water and sewage testing equipments.

Hydrometeorological Observatory:

This observatory has also been set –up under one more scheme of MHRD and has a facility of recording all the important Hydro-meteorological parameters.

3. Staff

Water Resources Management Centre has the following staff on its Establishment:

i) Professor*	-----	One
ii) Stenographer	-----	One
iii) Office Assistant	---	One
iv) Laboratory Attendants cum Helpers		Seven

* At present the position of Professor is vacant. However, the Centre is looked after by one Professor of the Civil Engineering Department.

4. Teaching Programs

The Centre does not have any teaching Program at its individual level. However, the Staff of the Centre remains engaged with the teaching/ Laboratory work of B.Tech Students of Civil and Mechanical Engineering disciplines and M.Tech Students of Civil Engg. Dept, in addition to their activities in the R&D field of Water Resources Engineering.

5. Research And Development Activities (2011-12)

i) A Chair Professor in Water Resources , entitled, Sheikhul Alam Sheikh Nuruddin Chair for Water Resources , has been established by the Ministry of Water Resources (MoWR) in the Centre under an agreement between the MoWR and the Institute, in 2008.

The main objective of the Chair is to carry out studies on water resources with special emphasis on assessment of effect of climate change on it and adaptation strategies in respect of planning, design and management of water resources systems of particularly Indus Basin. An important activity related to the Chair is the transfer of technology to CWC and other organizations of MOWR/GOI.

The other general objectives are

To take part in the academic programme of the Institute as full time professor/faculty in Water Resources Engineering and coordinate HRD programs in water resources sector in Indus Basin

To develop R&D programme relevant to the needs of CWC and other organizations of MoWR in the related areas.

To initiate and develop HRD programmes relevant to the needs of CWC and other organizations of MoWR and to coordinate courses for their Officers.

To review available design standards and suggest necessary changes/modifications to accommodate the effect of climate change in design of water resource systems.

Though no regular/planned study was undertaken due to the non-availability of the Chair Professor, yet the work on the effect of climate change on Water Resources with respect to the Jhelum basin, Kashmir valley, forming a part of the Indus basin was carried out. This includes:

- i) One M.Tech. Dissertation on EFFECT OF CLIMATE CHANGE ON WATER RESOURCES OF JHELUM RIVER BASIN
- ii) M.Tech. Dissertation. on GCM BASED CLIMATE MODELLING OF KASHMIR VALLEY
- iii) A paper on “ Effect of Climate Change over Kashmir Valley” presented & published in the proceedings of Int. Conf. ENSURE-2012, at IIT Gowahati,26-27, Feb.2012

6. Future Plans

The Centre has been nominated to act as Nodal Centre for Basin-wise studies with respect to impact of climate change on Water Resources by the MoWR , and is planning to activity participate in the study with other leading Institutes.

The Centre is planning to upgrade its Hydro-meteorological Observatory with the latest available equipments and instrumentation so that the data collection is more authentic and accurate.

4.2.2. MAINTENANCE ENGINEERING CENTRE

Head of the Centre: Prof. I.K.Pandita

1. Introduction

Maintenance Engineering Centre was originally set up during the years 1988 and 1989 in the former Regional Engineering College, Srinagar, (now National Institute of Technology, Srinagar) under Indo – Italian Friendship Program. The program was discontinued due to local disturbances from 1990.

1. Technical fields covered

Existing equipment was purchased according to a survey performed in the mid '80ies, which considered modernization of the industrial and tourist infrastructure.

In particular, reference activities concerned: production of ironmongery parts, automation and packaging of fruit and vegetable products, automation of canning and bottling in the food-farming industry, maintenance of ropeways and ski-lifts for ski resorts, maintenance and improvement of silk looms, woodworking machinery, brick production machinery, general road transportation. Moreover, general mechanical maintenance capabilities were to be improved, with reference to local needs in mechanical construction: this put forward consideration of welding technologies and non-destructive testing. The following fields were selected for development:

- a) Wear and Lubrication
- b) Noise and Vibration

- c) Non – destructive Testing
- d) Welding and Plasma coating
- e) Data acquisition and elaboration

2. Facilities Presently Available:

Keeping in view the above selected fields, following facilities are presently available in the centre:

- i) CP30D Programmable Logic Controller.
- ii) MIG welding equipment - one set.
- iii) TIG welding equipment - one set.
- iv) Arc welding equipment – 2 sets.
- v) Ultrasonic (Gildran MG12) flaw detector with automatic monitor.
- vi) Wear testing machine pin ring.
- vii) Wear testing machine pin disk.
- viii) Automatic Hardness meter.
- ix) Pneumatic control model fitted with electrical control.
- x) Pneumatic control with double acting cylinders..
- xi) Pneumatic control fitted with sel1, sel2 and sel3.
- xii) H128D Water/ Oil Multi Pumps Test Bench.

These facilities are ready for imparting training to students and field engineers as well as doing consultancy, research and development work.

3. Activities during the reporting year

In view of the shortage of the staff the activities of the Centre remained limited to the Dissertation work of the M.Tech Students. However efforts are being made to make the staff available for taking the full advantage of the facilities developed.

4.2.3. COMPUTER SERVICES CENTRE

Head of the Centre: Dr. Roohi Mir

The institution has long back absorbed itself into the Computer culture and its effects can be well perceived in all over the campus. The Computer Services Centre developed under the scheme of Centre of Excellence aims to provide centralized computer/Inter-net work facilities to the teaching community, students including scholars, administrative staff and others. It has been providing latest and sophisticated computer service to all the departments and the sections.

All the institute departments, sections and hostels are connected vide a campus wide network which covers almost all the institute. At present institute has two links one is 512 Kbps provided by Ernet India and other by BSNL (1Gbps internet connectivity).

The centre also manages the Website of the Institute under the NITSRI, URL address www.nitsri.net.

5.0. CONCESSIONS FOR SCs, STs, HANDICAPPED AND OTHERS

5.1 Concessions provided to students

The Institute offers merit scholarship to about 25% students on the basis of result of 1st semester. The SC/ST students are entitled for Post Matric Scholarship and other scholar ships as per rates prescribed by the government of India from time to time.

5.2 Scholarships /Assistance ships

The institute has been providing all sorts of financial assistance in terms of scholarships and aids to the deserving admitted students. Emphasis has been

given to provide scholarships/assistance to the backward but efficient and needy students.

Students admitted under reserved categories having the good academic progress are also eligible for post matric scholarship. Some of Physically handicapped Students are eligible for national Scholarship on the basis of their academic performance.

The Institute offers merit scholarship to about 25% of the students based on the in the examination.

Besides above science talent scholarship, Haj and WAKF scholarship is also available for the meritorious students. The institute provides scholarship from aid fund to those of the students who are economically in adverse condition and not covered by other scholarships.

The types of scholarship and its amount given by various agencies are detailed as under.

Assistance/Scholarships provided to the students (Year 2011)

S.No	Particulars	Scholarship	Students
1.	M. Tech (GATE) Scholarship	Under process	NIL
2.	Students Welfare Fund	Rs: 8000/= per year	100 Students
3.	Post Matric Scholarship	Rs: 750/= + other fee	70 Students
4.	H & W Scholarship	Rs: 8000/= per year Non stopped	03 Students
5.	Merit/Merit-cum means Scholarship	Rs: 15,000/= per year for Day Scholars & Rs 20,000for hostilers	175 Students
6.	Other State Scholarships for Students of their own states	-	60 students

7.	S.T. Scholarships	Rs.10,23,520 (awaited)	47 students
8.	S.C. Scholarship	Awaited	50 students
9.	O.B.C . Scholarship	Rs.7,25,750	60 students

5.3 Concessions Provided for Staff

- I) Benevolent Fund
- II) Staff welfare fund scheme

Both these schemes are run by the staff members of the Institute itself through fixed monthly contributions toward the fund.

6.0. *CENTRALIZED SERVICES*

The Institute has a number of Centralised Services which facilitate the carrying out of various activities of the students and the staff effectively. A brief description of these facilities is given below:

6.1. *TRAINING AND PLACEMENT*

The industrial training and placement are the two important issues of the students which are being taken care of by a well established 'Training and Placement' (T &P) Department of the Institute. The T & P Department is usually headed by a Senior faculty member and assisted by some administrative staff and the student representatives from the different departments.

The students have to essentially undergo a practical training period of six to eight weeks at 5th/7th semester level in projects and industry within or outside the state in Jan-Feb each year, when the institute observes winter vacations. This training plays a vital role in exposing the students to actual

industrial environment and in broadening their professional outlook. Thus, this training increases the employability opportunities of the students.

The T & P Department is making every effort to introduce the Institute to more and more companies and organisations concerned for better placement of the students. The Institute has been able to attract a good number of relevant reputed companies and organisations for on campus selection of the students. Mock tests, counselling and seminars are carried out for the students to train them for better performance in their interviews for placements. The endeavour of the T&P Department is to attain cent percent placement. Students from different departments are also involved in various relevant activities of the Training and Placement like quizzes, mock tests , mock group discussions etc.

The leading organizations in the country which offered training to our students during the year2011 are as follows;

1. HPCL	24. NHPC
2. Nuclear Power Corporation	25. Honda Siel Cars India Ltd.
3. Power Grid Corp.	26. RITES
4. NTPC Limited	27. Bharat Heavy Electricals Ltd.
5. JK PCC	28. Steel Authority of India Ltd.
6. L&T	29. Rashtriya Ispat Nigam Ltd.
7. IRCON International Ltd.	30. Hindustan Copper Ltd.
8. MECON Limited	31. Indian Oil Corp.
9. J&K Cements	32. Maruti Suzuki
10. ONGC Limited	33. Jayson Engineers Ltd.
11. J&K PDC	34. Bharat Petroleum Corp.
12. AIR INDIA HMT	35. ESSAR
13. Bajlihar Project rom	36. BSNL
14. Indian Oil Corp.	37. Vardhman Extrusion Pvt.Ltd.
15. HLS	38. Jayaswal Neco Industries Ltd.
16. NIC	39. Indian Oil Corp.
17. Dynamica India Pvt.Ltd.	40. Diesel Locomotive Works
18. Minda corp.	41. Khyber Industries Ltd.
19. Regional Telecom Trg.Centre	42. CPWD
20. Airtel	43. Paradip Port Trust
21. Defence R&D Organization	44. Central water Commission
22. Retail Corp of India	
23. Rorrkela Steel Plant	

Placements during 2011-12(for batch passing out in July- 2011)

S.No	Company	Civil	Mech	Electrical	ECE	Chem	Mett	CSE	IT	Total
1	L&T (HED)	-	01	01	-	-	-	-	-	02
2	Carborundum	-	01	-	-	-	03	-	-	04
3	Simplex	05	-	-	-	-	-	-	-	05
4	L&T (ECC)	06	04	-	-	-	-	-	-	10
5	Rubeena (Video Con)	-	-	-	-	03	-	-	-	03
6	JCB India Ltd	-	06	-	-	-	-	-	-	06
7	NTPC	04	03	04	03	-	-	-	-	14
8	Telecon	-	01	-	-	-	-	-	-	01
9	BPCL	-	03	04	-	-	-	-	-	07
10	Relience (Tele)	05	07	01	-	-	-	-	02	15
11	TCS	-	-	-	05	-	-	08	02	15
12	Cabjamine	01	-	02	07	02	01	-	17	30
13	HCL	-	-	-	06	-	-	10	08	24
14	Mahindra & Mahindra	-	03	-	-	-	-	-	-	03
15	JSW	-	02	-	-	03	07	-	-	12
16	Aircel	-	-	-	03	-	-	08	03	14
17	TATA AUTOCON	-	06	02	-	-	-	-	-	08
18	DEEMROL TECH	-	-	-	-	-	05	-	-	05
19	MU SIGMA	-	-	-	01	02	01	-	-	04
20	M/s RITES	10	-	-	-	-	-	-	-	10
21	BHARATI INFTL	03	-	05	-	-	-	-	-	08
22	M/s RAINCORE TECH	-	-	-	05	-	-	-	-	05
23	M/s HPCL	02	01	01	-	-	-	-	-	04
24	M/S Wipro Ltd	04	-	01	03	07	04	04	10	33
25	M/S Power Grid	02	-	03	-	-	-	-	-	05
26	M/S ONGC	-	-	-	-	-	-	04	-	04
27	M/S Fiserv	-	-	-	01	-	-	04	03	08
28	M/S ONGC	-	05	-	-	-	-	-	-	05
29	M/S KONKAN Railway	06	-	06	04	-	-	-	-	16
	Total number of placed students	48	43	30	38	17	21	38 (04)	45 (10)	280

Batch strength	76	49	45	46	38	34	35	35	358
Total Number of Eligible students	63	47	42	45	37	33	34	35	336
% placement	76	91	71	84	46	64	100	100	79

6.2. CENTRAL LIBRARY



The NIT Srinagar has Central Library (Library & information Resources Centre) to cater to the needs of students, faculty, supporting staff and research scholars. The library is passing through a transit period from manual to computerized one. The Central library has a separate section for SC/ST students with a stock of about 9898 books issued to them for study in a full semester.

Resources.

The library has a collection of about 73,629 books on engineering, science, technology and humanities .we have about 6,000 bound volumes of journals. The library has a collection of 52 general educational CDs and Video cassettes, 348 learning resource films, 93 technical films and 140 Engineering , science and technology soft resources. The library is on the path of enriching this collection further. Apart from the technical books and journals the library has good collection of books pertaining to art, philosophy religion and history so as to give fillip to the widening of intellectual horizons of the academic community.

Digital library

To bring about the fast improvement in our services and facilities computer applications and resources are to be established and we don't lag behind

any one. At present the readers have access to library OPAC and circular section is computerized. Following e0-resourcers through INDEST consortium are available online to our Institute Library for the benefit of community in the campus;

Electronic Resources

URL

ASCE Journals online www.pubs.asce.org/journals/jrns.html

ASME Journals online www.asme.org/pubs/journals

IEL online <http://ieeexplore.ieee.org>

India standards internet version

Nature www.nature.com

Pro quest science <http://www.il.proquest.com/pqdauto>

Springer verlag www.springerlink.com

JCCC <http://jccc.indest.informindia.co.in>

The library is also connected to IGNOU Educational Programmers through Dish antenna. The students are making use of these educational programmes.

In addition the library offers the following services:-

1. Video view facility
2. Online access to journals through INDEST consortium
3. CAS & SDI services
4. Reprographic services.

Library Timing.

9.30 to 20 hrs (During Summer)

9.30 to 17 hrs (During Winter)

Services to SC/ST students.

The library has got good collection of books separately meant for SC/ST students. Separate section is maintained for acquisition and processing their material. The books are issued to the students for one semester. The aim is to help this weaker section of the society. Funds for procuring such material are provided by social welfare Department of Jammu and Kashmir Government.

Research work.

The librarian contributed the following papers:-

1. **Marketing of Library and Information Services.** Proceeding of thirteenth National convention of knowledge. Library and information Networking (NACLIN) organized jointly by DELENT and BITS- Pilani, held at Goa from June 15-18,2010. (www.naclin.org)
2. **Intellectual property rights in India paper** accepted for presentation during the National Seminar on Networking of Library and Information centers of North East India in digital environment (NLICDE-2011) (21-23 March 2011) organized by National Library, Kolkata, Ministry of Culture, Govt ,of India, Held at NIT, silcher, Assam.
3. **Staff Training in Digital Era.** Paper accepted for presentation during National seminar on "Next Generation Library and information services (NEGLIS-2011)" (NRGLIS) held between April 2-3,2011 organized by Maulana Azad Library (19600-2010) as a part of its Golden jubilee celebration in collaboration with Department of Library and information services, Aligarh Muslim University.

Presentations in Library .

M/s SAGE Publications Pvt. New Delhi gave demonstration about their products in the Library on 6th of June 2011, which were witnessed both by the students and the faculty members.

6.3 *CENTRAL WORKSHOP*



Introduction

The Central Workshop of this institute imparts practical training in various engineering trades and engages the classes of Workshop Practice to the students of First, Second in general and also third Semester Chemical engineering students. The Centre provides workshop facilities to the students of third and fourth semester Mechanical and Metallurgical Engineering.

The undergraduate final year and post graduate students utilize all the facilities available in the Centre in connection with their projects carried out in various trades of the workshops.

Workshop Practice has become significant in the Industrial Environment to manufacture products for the service of the mankind. Workshop Practice is a core practical course and is highly essential for all engineers and technocrats for formalizing themselves with the latest techniques and concepts of manufacturing.

The Central Workshop of the NIT is well equipped for training of students of all the engineering branches. The students are trained to acquire basic knowledge and skills about engineering materials, manufacturing practices, equipment, tools and safety precautions. The students carry out manual operations using mostly hand tools and elementary machines in the Carpentry and Pattern making shop, Bench Work and Fitting shop, Welding shop, Sheet Metal shop, Black Smithy and Forging shop, Machine shop, Foundry and Casting shop etc.

Central Workshop is having trained instructional and technical staff who imparts instructions and operation of various machines to the students.

Central Workshop plans to have new equipped Workshops/Advance Manufacturing Technology with state of Art Technology comprising of certain machinery and equipment.

Er. S. I. A. Qadri is present in-charge superintendent Workshop.

Facilities Available

At present the common engineering trades and major facilities available in the centre consist of;

1. Machine Shop
2. Sheet Metal Shop
3. Bench Work and Fitting Shop
4. Welding Shop
5. Foundry and Casting Shop
6. Black Smithy and Forging Shop
7. Carpentry and Pattern making Shop

New Initiatives

The Central Workshop intends to introduce three more engineering trade sections to provide the practical training to the students of the institute and expose them to different methods of manufacturing, materials, components, as well as procedures and software programs currently used in commercial manufacturing and assembly process. This will be of immense help in transforming students to engineers, besides the state of art facilities developed under the roof of the Central Workshop is also extended to research scholars, to perform novel and research project work. The new trade sections shall be as under;

1. CNC Engineering trade
2. Basic Electrical and Electronics trade
3. Plastic parts injection molding section

Teaching Programmes

- Central Workshop undertakes Workshop Practice classes in all Nine Engineering trades to 1st, 2nd, 3rd Semester students.
- **Mr. S. I. A. Qadri** I/C Superintendent of Workshops has been engaging the classes of Production Engineering and Manufacturing Technology Courses of B Tech 3rd & 4th semester(Mechanical) students of Mechanical Engineering in addition to his own duties.
- **Mr. G. N. Lolpuri** Sr. Instructor engaged the CNC practical classes of 6th semester Mechanical Engineering Department in addition to his own work

The Centre undertakes fabrication of projects works of students of B. Tech. and also fabricates the required samples and projects of post-graduate students.

Besides it, Central Workshop provides facilities in repair & maintenance of equipments, furniture and other work orders of various departments of the Institute.

Central Workshop provides the necessary training of Workshop practice to the engineering students of some other technical institutes of the state from time to time.

Transport Services

Transport facilities are provided to various experts and other Institute guests invited for placement of students and other academic activities. The transport facilities are also provided to the students for conducting the various technical tours. In addition, Ambulance service has been provided to the Medical Unit of the Institute which facilitates the students in getting the proper medical care during emergency. In addition of it the Institute provided 01 more Ambulance to the medical unit of the Institute to facilitate the students.

The list of vehicles presently operational in the Institute are as under:-

1. Bus (55 seater)	01 No.
2. Mini Bus (LP 709 32 seater)	02 No's
3. Ambassador Staff car	03 No's
4. Ambulance	02 No
5. Mini Truck	01 No

6.4 Institute- Industry Collaboration

The Institute has since long established an interaction cell with the industries in 1989. The main object of the Cell is to share its experience with the Industry and to utilize the human resources and all other resources available at the Institute effectively with the assistance of participating Industries.

The Industry-Institute-collaboration executes various modes Such as testing, consultancy project, joint research project etc.

6.5. CAD LABORATORIES

The institute has two well established CAD laboratories in civil and mechanical engineering departments as centralised facilities. Sufficient number of systems and software's are available for the use of staff and the students.



6.6 PHYSICAL EDUCATION

The primary objective of the department is to provide sporting and recreational facilities to the students keeping in mind the famous quotation "sound mind carries sound body". In this direction the department of physical Education is providing various sporting and recreational facilities to the students in the main ground and in the in- door Common Hall. From last few years the department is excelling in all the sports activities like Cricket, Football, Volleyball, Chess, Carom, Badminton, Athletics etc. The main ground of the Institute was made fully operational and capable to hold almost all sporting events.

Dr. Neyaz Ahmad Sheikh is present I/C Director physical education.

Sporting and recreational facilities available to the boy students

- 1- Common Indoor Hall and TV Hall
- 2- Gymnasium
- 3- Basket ball court
- 4- Playground
- 5- Volleyball court
- 6- Badminton Court
- 7- Lawn tennis court
- 8- Football ground
- 9- Cricket ground
- 10- Indoor games: Table Tennis, Carom, Chess

Facilities and sporting events for the Girl students:

1. Table tennis
2. Carom
3. Chess
4. Volleyball
5. Badminton
6. Treadmill
7. Mini Gymnasium
8. Kho Kho,
9. Recreational facility: TV facility is provided to the students in hostel of their residence.

Gymnasium and Activity centre

In the year 2011, the new gymnasium machines (16 stations) were installed in the part of the Common hall. The Gymnasium center remains open on all working days from 6.00 AM-8.00 AM, 5.30PM-9.00PM and every day around 350 students perform various activities in the Gymnasium.

We have a separate building as activity centre for the institute which is primarily meant for various extra curricular activities of the students like LAN gaming, rehearsal for various events organized in the institute, club activities and recreational activities etc.

Sporting Events held

- 1- Inter semester matches were conducted during spring 2011 and Autumn 2011
- 2- Faculty matches and non teaching employees matches were conducted during Autumn 2011
- 3- 158 Bn of CRPF organized T-20 Cricket tournament in collaboration with NIT Srinagar
- 4- Cosco T-10 inter-branch cricket tournament was conducted in autumn 2011
- 5- various sports events organized for the children of the employees residing in campus.

- 6- Institute teams of Cricket, Football, Volleyball, and Chess participated in inter NIT sporting events at VNIT, Nagpur.



Achievements

- 1- Won ALL India cricket Trophy at VNIT, Nagpur
- 2- Our students got Best Batsman, best bowler awards at All India Cricket Trophy at VNIT Nagpur.
- 3- The girls students participated in all inter semester games during spring and autumn session 2011
- 4- Treadmill/jogger was provided to the girl students in the girls hostel
- 5- Two new badminton courts were constructed in the premises of Indus Hostel
- 6- Football ground was repaired and made fully operational.

New initiatives

1. New gymnasium center to be established
2. Pool table & snooker table facilities to be acquired for the students.
3. Renovation of entire play ground.

6.7 STUDENTS' RESIDENTIAL FACILITIES

The institute has six boys Hostels named after famous riveres of our state. These are Chenab, Indus, Jhelum, Dal, Tawi, Jehlum Extension and two girls Hostels which provide accommodation to about 1901



students at present . The residential capacity of each hostel is as under;

<u>S.No.</u>	<u>Name of the Hostel</u>	<u>Capacity</u>
1.	Jhelum Hostel	291 students
2.	Indus Hostel	500 students (against 380 capacity)
3.	Chenab Hostel	400 students (against 294 capacity)
4.	Dal Hostel	250 students
5.	Tawi Hostel:	250 students (against 200 capacity)
6.	Jehlum Extension.	99 students
5.	Girls Hostel (02 No's)	150 students.

Prof. Rajinder Ambardar Head, Metallurgical Engineering Department is the present Dean Students Welfare. Dr. Abdul Liman is the Chief Warden.

Hostel wise list of wardens together with some of the other concerned officials is as under;

<u>S.No</u>	<u>Name</u>	<u>Department</u>	<u>Designation</u>
2.	Dr. Niyaz Ahmad	Mathematics	Warden Jehlum
3.	Dr. Atiqui Rehman	Met.&Met. Engg.	Warden Dal & Tawi
4.	Dr. Kausar Majid	Chemistry Deptt.	Warden Girls
5.	Er. Mushtaq Ahmad	Chemical Engg.	Warden Chenab
6.	Er. Shabir Ahmad	IT Deptt.	Warden Indus
7.	Er. M. S. Charoo	Mechanical Engg.	Warden Day Scholar
8.	Mr G. N Lone	Security Officer	Manager Hostels

ACTIVITIES

Inter Semester Tournaments and Inter NITs Tournaments were held by the Physical Education Department under the patronage of Hostel Authorities.

The Farewell party of the senior students was organized.

Two cleanliness drives of the whole institute campus were organized.

ACHIEVEMENTS

Renovation of the Tawi Hostel was completed.

Furniture for hostels purchased.

Solar Heating tank of 1500 ltrs capacity on the roof of the Jehlum mess was installed.

NEW INITIATIVES

- Construction of new MEGA HOSTEL having capacity to accommodate about 1000 students.
- Renovation of all hostels.
- Construction and laying down of a big over head water tank in the hostel area to cater daily water needs.
- Digging of small tube wells in hostel area.
- Purchase of sufficient furniture for all hostels.
- Purchase of water purifiers for all hostels.
- Purchase of modern sanitation equipment to provide better hygienic environment in hostels.

6.8 Student Messes:

Our institute has five students Messes to cater more than 1500 students on the campus including girls and M.Tech./PhD Scholars. There are four boys' messes and one girls mess adjacent to the Hostels. The three messes namely Chinab, Indus and Girls have been outsourced since last three years and from the current year i.e. 2012 in addition to the above one more mess namely Tawi has been outsourced. Jehlum Mess is under the direct control of Mess management. All the messes are being in operation under over all supervision of Mess Management with the co-operation and co-ordination of student mess committees of the concerned hostel messes.

Dr. S.K.Bukhari is the present staff advisor Messes. Mr. Nazir Ahmad is the care taker.

Achievements and Activities during the year:

The Mess Management arranged the catering facilities for INSPIRE programme for the secondary students sponsored by DST in March & May 2012 through our out sourced contractors with the entire satisfaction of the participants. The Mess management has procured dinning chairs and tables and installed water purifier in each mess to facilitate the students in general.

The efficiency of Mess office work has improved by installing Photocopiers, computer system and students are able to have information regarding their monthly bills and payment as and when required.

New Initiatives:

The mess management is planning to modernize the Students Messes by installing latest kitchen equipments and renovation work of the messes will be taken up very soon by the concerned departments.

6.9. RESIDENTIAL AND SHOPPING FACILITIES

The Institute being a residential Institute therefore campus provides residential facilities to majority of its employees comprising of the faculty, administrative staff and the other supporting staff .

Together with a beautiful lodge for the Director and a well furnished guest house located on the bank of the world famous Dal Lake, the residential campus has the following staff quarters according to their numbers;

1. Professor Quarters : 09
2. A. P. Quarters : 24
3. Lecturer Quarters : 42
4. Servant Quarters : 72

The Institute also provides basic facilities of day to day need, like food commodities, stationery, tailoring facilities and STD facilities etc. for the

students and the staff. There are number of shops within the campus to cater to the daily needs of the residents and non-resident employees and the students of the institute, details given as follows:

- | | | |
|-----------------------------|---|----|
| 1. General Provision Stores | : | 02 |
| 2. Stationery Shop | : | 01 |
| 3. Barber Shop | : | 01 |
| 4. Tailor Shop | : | 01 |
| 5. Tea Stall | : | 04 |
| 6. STD Stall | : | 03 |
| 7. Cafeteria | : | 01 |



6.10. MEDICAL UNIT

The Medical Unit of the Institute was recently re-established and transferred into a mini hospital. It is headed by a qualified, highly trained and a vast experienced Medical Officer and manned by a well trained Lab. and X-ray technologist, staff nurse and other paramedical staff. The Medical Unit has a two storied separate building expanding over an area of 303 sq.mtr. with a solar ward for providing indoor facilities to the staff and the students. Apart from basic facilities for investigations, the Unit caters to the health problems of the students, staff members and their dependents with free disbursement of medicines for the students round the clock. In the recent past the hospital has been modernized and has been equipped with the latest diagnostic tools like the Haematological and Biomedical equipment and a fully automatic ECG unit. The Medical Unit has its own ambulance for carrying the critical patients to the specialized hospitals.

6.11. BANK

To facilitate a swift financial transaction for all staff and the students of the institute; a fully computerized branch of J&K bank is functioning at a suitable place within the institute premises having net worked ATM. The bank has installed internet banking / phone banking/mobile banking in the campus

aiming to provide more access to staff and students in dealing the day-to-day requirements. The bank supports the staff by providing them house building advance loans, consumer's loans and many other small loans. Students are offered loans by the bank for meeting their educational expenses.

6.12. EDP Cell

Shabir Ahmad Sofi **Co-ordinator**

The EDP Cell has become an important cell for all the technical institutions. The institute cell was established as a project from DST and Computer Aided Circuit Simulation lab was established by the funds from the organization. Several training programmes have been organized by the cell for the benefit of the budding entrepreneurs and as community service around fifteen computer related programmes were organized. The EDP cell was merged in the institute in 2003. The prime goal of the cell is to promote entrepreneurial culture among the educated youth. This Cell has been conducting IT skill enhancement programmes for the benefit of educated youth of the country, as well as, NIT students /staff.

6.13. TELEPHONE EXCHANGE

Our institute has a fully automated telephone exchange providing internal and external phone connectivity.

6.14. POST OFFICE

A Post and telegraph office operates near the campus at Hazratbal, it is at about one and a half kilometer away from the Campus.

7.0 ACHIEVEMENTS & INITIATIVES

The Institute continued its efforts during the year 2011-2012 towards evolving directions to further growth and dissemination of scientific and

technological knowledge. Brief outline of the major achievements are presented at below;

a) Research and Development (R&D) Activities

The various Departments and Centres continue to carry out the research and development work in their respective areas of specializations. During the year following remained the main contribution in the R&D field:

i) Research Papers Published	
a) Journals	48
b) Conferences	44
ii) Ph.D.	
a) Awarded	02
b) Pursuing	16
c) Admitted	20
iii) M. Phil	
a) Pursuing	03
b) Admitted	03
iv) R&D Projects	
a) In Progress	06 worth Rs.2.10 Crores
b) Submitted	05 worth Rs. 2.00 Crores

b. Sponsored Research and Industrial Consultancy

The various Departments and Centres of the Institute continue to work on sponsored research and industrial consultancy projects. During the year the work remained in progress on 06 number of sponsored R &D projects amounting to about Rs.210.00 lacs and also the project proposals worth more than 2 .00 crores were submitted to different agencies for funding.

A good number of consultancy projects and assignments were also taken up during the year for an approximate amount of Rs.50.00 lakhs.

c) Campus Infrastructure

- Steps taken for acquisition of additional land for the campus as the existing one available amounts to only 67 acres. For this purpose about 125 acres of land was identified in the vicinity

of the Institute at about 3 kms distance from the present campus.

- Construction of 4 hi-tech smart Class Rooms at the near of completion.
- Two phases of Institute Sewerage System Completed which solved the acute sewage disposal problem of the Institute.

d) Seminars , Workshops and other programmes conducted

• Seminars	----	04
• Workshops	----	03
• Short Courses	----	01
• INSPIRE Program	----	01

e) Placement

During the year under report the Department succeeded in involving about 44 companies and other agencies in the process of placement/trainings of the students and got an overall 79% of the students placed in these companies and agencies with a maximum above 95% in some of the Departments

- **Students Affairs**
- A new gymnasium machine (16 stations) was installed for the students, where every day around 350 students perform various related activities.
- The Institute teams of cricket, football, volleyball, and chess participated in inter NIT sporting events at VNIT, Nagpur and won the all India cricket trophy at VNIT Nagpur, and got Best Batsman,& best bowler awards as well.
- Two new badminton courts were constructed in the premises of Indus Hostel .The football ground was repaired and made fully operational during the year 2011-12

8.0. THE COUNCIL, BOG AND OTHER COMMITTEES

8.1. INSTITUTE COUNCIL

(a)	Minister of Human Resource Development, Government of India.	Chairman
(b)	Secretary, Department of Secondary & Higher Education, Ministry of HRD, Government of India.	Member
(c)	Principal Adviser (Education), Planning Commission.	Member
(d)	Secretary, Department of Science & Technology, Government of India.	Member
(e)	Director General, Council of Scientific & Industrial Research, Government of India.	Member
(f)	Secretary, Department of Biotechnology, Government of India.	Member
(g)	Secretary, Atomic Energy, Government of India.	Member
(h)	Secretary, Department of Information Technology, Government of India.	Member
(i)	Secretary, Department of Space, Government of India.	Member
(j)	Special Secretary / Addl. Secretary / Educational Adviser (T), Department of Secondary & Higher Education, Ministry of HRD, Government of India.	Member
(k)	Chairman, University Grant Commission.	Member
(l)	Chairman, All India Council of Technical Education.	Member
(m)	Two Chairmen, Board of Governors of National Institutes of Technology (by rotation).	Members
(n)	Four Directors of the National Institutes of Technology (by rotation).	Members
(o)	One Director of Indian Institute of Technology (by rotation).	Member
(p)	One Director of Indian Institute of Management (by rotation).	Member
(q)	Two Secretaries of Higher / Technical Education from states where NITs are located (by rotation).	Members
(r)	Two persons from Industry nominated by the Central Government.	Members

(s)	Financial Adviser, Ministry of Human Resource Development, Government of India.	Member
(t)	Joint Secretary, (Technical Education), Joint Educational Adviser (Technical Education), Ministry of Human Resource Development Government of India.	Member- Secretary

8.2. BOARD OF GOVERNORS

Chairman:		Shri Wajahat Habibullah, IAS Chairman Minority Commission, Government of India, House No.9A, Lodhi Estate, New Delhi –110 0033.
Members: Nominee of the Ministry of Human Resource Development		Shri N. K. Sinha, IAS Joint Secretary, (Bureau Head) MHRD, Deptt. of Secondary & Higher Education, Govt. of India, Shastri Bhawan, New Delhi.
Nominee of Government of J&K.	1	Ms. Tanver Jahan, IAS Commissioner/Secretary Higher and Technical Education Department, J&K Government, Civil Secretariat, Srinagar-190001.
	2	Mr Dharminder Singh Oberoi C/O Arian Traders, Rajbah, Srinagar
Head of another Technical Institution in the region or an eminent Technologist nominated by the Central Government .		Dr. Virendra Kumar Professor & Dean, College of Technology and Engineering, Maharana Pratap University of Agriculture & Technology, Udaipur-313001, Rajasthan .
Director of Indian Institute of Technology Delhi or his nominee.		Professor S. Prasad, Director, Indian Institute of Technology Hauz Khas, Delhi-110016.
Nominee of the University Grants Commission (UGC).		Professor Promod Tandon, Vice-Chancellor, North-Eastern Hill University, NEHU Campus, Shillong-793022.
Nominee of All India Council For Technical Education (AICTE)		Dr. D. K. Paliwal, Acting Member Secretary, All India Council for Technical Education, 7 th Floor, Chander lok Building, Janpath,

		New Delhi-110001
An alumnus of the Institute from amongst alumni in Education/ Industry nominated by the Board of Governors		Dr.Shiban K.Koul, Professor & Head , Centre for Applied Research in Electronics (CARE), IIT Delhi, Hauz Khas, New Delhi -110016
TWO Representatives representing large, medium and small scale Industries nominated by the Central Government	1	Mr.Sidharath Birla, Chairman, Xpro India Limited, New Delhi.
	2	Mr. Prahlad P.Chhabria , Chairman Finolex Cable Ltd; 26/27,Mumbai-Puna Road, Pimpri, Puna-411018/(9,ICS Colony,Ganeshkhind Road,Pune 411007
Two representatives of the Institute faculty-One Professor and an Associate Professor	1	Dr. M.A.Lone, Professor & Head, Civil Engineering Department, N.I.T. Srinagar-190006.
	2	Dr. Md.Noor Salam Khan, Assistant Professor & Head, Chemical Engineering Department, N.I.T. Srinagar-190006.
Member (Ex-officio)		Prof. Rajat Gupta Director, National Institute of Technology, Hazratbal, Srinagar.
Secretary		M .Asraf Qureshi I/C Registrar, NIT, Srinagar.

8.3. FINANCE COMMITTEE

<u>Chairman</u>		Shri Wajahat Habibullah, IAS Chairman Minority Commission, Government of India, House No.9A, Lodhi Estate, New Delhi –110 0033.
<u>Members:</u> Two persons nominated by the Central Government	1	Dr.A.K.Singh Director NITs, MHRD, Department of Secondary & Higher Education, Government of India, Shastri Bhawan, New Delhi – 110 001.
	2	Shri Naveen Soi, Director (Finance), MHRD, Department of Secondary & Higher Education, Government of India, Shastri Bhawan, New Delhi – 110 001.
Two persons nominated by the BOG from amongst its members	1	Dr. D.K.Paliwal, Acting Member Secretary, All India Council of Technical Education, Chanderlok Building, 7 th Floor, Chander lok Building, Janpath, New Delhi-110001
	2	Dr. Md.Noor Salam Khan, Assistant Professor & Head, Chemical Engineering Department, N.I.T. Srinagar-190006.
Director (Ex-officio)		Prof. Rajat Gupta Director, National Institute of Technology, Hazratbal, Srinagar-190006
Member Secretary (Ex-officio)		M. Ashraf qureshi, I/C Registrar, NIT, Srinagar

8.4. SENATE

Chairman		Prof. Rajat Gupta Director, ex-officio National Institute of Technology, Hazratbal, Srinagar-190006. (J&K),
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	1	Prof. Veena Chowdhary, Centre for Polymer Science, Indian Institute of Technology, Hauz Khas, New Delhi.
	2	Prof. R. K. Wanchoo, Professor, Department of Chemical Engineering and Technology, Punjab University, Chandigarh.
	3	Prof. A. H. Tak, Professor, Department of English, University of Kashmir, Hazratbal, Srinagar, Kashmir
The Professors appointed or recognized as such by the institute for the purpose of imparting instructions in the institute	1	Prof. A. R. Dar, Professor, Civil Engg. Department
	2	Prof. M. A. Lone, Head, Department of Civil Engineering
	3	Prof. Ajaz Hussain Mir, Head, ECE Deptt.
	4	Prof. G. M. Rather, Professor, ECE Deptt.
	5	Prof. M. D. Mufti, Head, Department of Electrical Engg.
	6	Prof. A. A. Zargar, Professor, Department of Electrical Engg.
	7	Prof. Rajinder Ambardar, Head, Department of Metallurgical Engg.
	8	Prof. I. K. Pandita, Professor, Department of Mechanical Engg.

	9	Prof. Mohammad Farooq Wani, Head, Department of Mechanical Engg.
	10	Dr. Mohammad Noor Salam Khan, Assistant Professor & Head, Department of Chemical Engineering
	11	Dr. Roohie Naz, Head, Department of Computer Science & Engg. / Department of Information Technology
	12	Professor of Training and Placement
	13	Prof. Siraj Ahmed, Head, Department of Chemistry
	14	Prof. Mohammad Ikram, Head, Department of Mathematics
	15	Dr. M. M. Ahmad, Assistant Professor and Head, Department of Physics
	16	Dr. Mohammad Farooq Lala, Assistant Professor and Head, Department of Humanities and Social Science
Such other members of the staff as may be laid down in the statutes	1	Dr. Aijaz Hussain Mir, Dean Academic Affairs
	2	Dr. M. D. Mufti, Dean Research Development
	3	Prof. Rajinder Ambardar, Dean Students Welfare
	4	Prof. Siraj Ahmad, Dean Faculty Development
	5	Prof. A. A. Zargar, Dean Planning and Development
	6	Mr. Irshad Ahmad Qadri, Superintendent Workshop
	7	Dr. Kousar Majid, Controller of Examinations

	8	Dr. Abdul Liman, Chief Warden
	9	Dr. Niyaz Ahmad, Director Physical Education
	10	Mr. A. R. Dar, Librarian
Secretary	Shri Mohammad Ashraf Qureshi, Registrar I/C, NIT, Srinagar	

8.5. BUILDING AND WORKS COMMITTEE

Chairman	Prof. Rajat Gupta Director, National Institute of Technology, Hazratbal, Srinagar-190006
Members: Nominated by the Ministry of Human Resource Development (MHRD) New Delhi.	Directors NITs, MHRD, Department of Secondary & Higher Education, Government of India, New Delhi - 110 001.
One person nominated by the Board of Governors amongst its members	Dr.Virendra Kumar Professor & Dean College of Technology and Engineering Maharana Pratap University of Agriculture & Technology, Udaipur-313001 Rajasthan.
Dean Planning & Development	Prof. Aijaz Ahmed Zargar, Electrical Engineering Department NIT Srinagar.
Nominee of the CPWD or PWD (Civil Wing)	Shri Bashir Ahmad Allie, Superintendent Engineering I/C, Sher-i- Kashmir University of Agricultural Science & Technology Shalimar , Srinagar.

Nominee of the CPWD or PWD (Electrical Wing)	Er. S. K. Moza, Executive Engineer, Sub-Transmission Division I, PDD, Bemina Kashmir Division, Srinagar.
Member Secretary (Ex-officio)	Sh. Firdous A Wani, Registrar, NIT, Srinagar.

8.6. BOARD OF RESEARCH STUDIES

Chairman		Prof. Rajat Gupta, Director, ex-officio National Institute of Technology, Hazratbal, Srinagar-190006. (J&K),
All Heads of the Department	1	Prof. M. A. Lone, Head, Department of Civil Engineering
	2	Prof. Mohammad Farooq Wani, Head, Department of Mechanical Engg.
	3	Prof. M. D. Mufti, Head, Department of Electrical Engg.
	4	Prof. Ajaz Hussain Mir, Head, ECE Deptt.
	5	Dr. Mohammad Noor Salam Khan, Assistant Professor & Head, Department of Chemical Engineering
	6	Prof. Rajinder Ambardar, Head, Department of Metallurgical Engg.
	7	Dr. Roohie Naz, Head, Department of Computer Science & Engg. / Department of Information Technology
	8	Dr. Abdul Liman, Head, Mathematics
	9	Dr. M. M. Ahmad, Assistant Professor and Head, Department of Physics

	10	Prof. Siraj Ahmed, Head, Department of Chemistry
	11	Dr. Mohammad Farooq Lala, Assistant Professor and Head, Department of Humanities and Social Science
All Professors of the Institute	12	Prof. A. R. Dar, Professor, Civil Engg. Department
	13	Prof. I. K. Pandita, Professor, Department of Mechanical Engg
	14	Prof. G. M. Rather, Professor, ECE Deptt
	15	Prof. A. A. Zargar, Professor, Department of Electrical Engg
Dean Academic Affairs (Secretary)	16	Prof. A.H.Mir

9.0. *FINANCIAL STATUS*

9.1. *PLAN AND NON PLAN GRANTS*

Analysis of Plan and Non-Plan grants (Rs. In lakhs)

<u>Year</u>	<u>Non-Plan</u>	<u>Plan</u>
2009-10	3026.90	200.00
2010-11	1700.00	Nil
2011-12	3040.00	850.00

9.2. *SOURCE OF FUNDS*

**Ministry of Human Resource Development (MHRD),
Govt of India (GOI), New Delhi.**

9.3. *EXPENDITURE POSITION FOR LAST THREE YEARS (Rs. In lakhs)*

<u>Year</u>	<u>Non-Plan</u>	<u>Plan</u>
2009-10	3249.60	154.35
2010-11	3115.73	153.95
2011-12	3534.20	220.74

9.4 BALANCE SHEET AS AT 31-03-2012 (Amount in Rs.)

<u>CORPUS/CAPITAL FUND AND LIABILITIES</u>	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
CORPUS/CAPITAL FUND	1	(-)2,46,63,448	15,96,351
RESERVES AND SURPLUS	2	1,50,00,000	1,50,00,000
EARMARKED/ENDOWMENT FUNDS	3	70,02,33,393	61,98,53,027
SECURED LOANS AND BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	-
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	1,37,78,128	2,61,42,594
TOTAL:-		70,43,48,073	66,25,91,972
<u>ASSETS:</u>			
FIXED ASSETS	8	36,22,02,763	34,44,40,224
INVESTMENTS FROM EARMARKED/ENDOWMENT FUND	9	-	-
INVESTMENTS-OTHERS	10	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	34,13,97,212	31,72,23,126
MISCELLANEOUS EXPENDITURE		7,48,098	9,28,622
<i>(TO THE EXTENT NOT WRITTEN OFF OR ADJUSTED)</i>			

TOTAL:-		70,43,48,073	66,25,91,972
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED

31-03-2012 (Amount in Rs.)

<u>INCOME</u>	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
Grants	13	23,40,00,000	17,00,00,000
Fees/Subscription	14	7,22,23,259	5,43,98,762
Income from Royalty Publication etc.	16	-	-
Interest Earned	17	1,53,33,433	1,26,37,170
Other Income	18	12,75,910	8,18,118

TOTAL (A)			32,28,32,602	23,78,54,050
<u>EXPENDITURE</u>				
Establishment Expenses	20		30,91,74,806	28,34,68,779
Other Administrative Expenses	21		3,34,28,861	2,70,69,810
Expenditure on Grants, Subsidies etc.	22		5,11,000	-
Depreciation (Net total at the year end Corresponding to Schedule 8)			57,90,710	28,99,063
Non-Plan Capital Expenditure written off			1,87,024	2,32,155
TOTAL (B)			34,90,92,401	31,36,69,807
Balance being excess of Expenditure over Income (B-A)			2,62,59,799	7,58,15,757
Provisions for liability on a/c of retirement benefits			-	1,02,99,799
Balance being deficit carried over to corpus / Capital Fund			2,62,59,799	8,61,15,556

SCHEDULES FORMING PART OF BALANCE AS AT 31-03-2012 (Amount in Rs.)

	Current Year		Previous Year	
SCHEDULE-1 CORPUS/CAPITAL FUND				
Balance as at the beginning of the year	15,96,351			
Less deficit balance transferred from the Income and Expenditure Account	2,62,59,799			
BALANCE AS AT THE YEAR-END	(-) 2,46,63,448			15,96,351
SCHEDULE-2 RESERVES AND SURPLUS				
Capital Reserve				
Total:-		1,50,00,000		1,50,00,000

SCHEDULES FORMING PART OF BALANCE SHEET AS

AT 31-03-2012 (Amount in Rs.)

Funds- wise break up										Totals	
SCHEDULE-3 EARNED/ ENDOWMENT FUNDS	C.P. FUND/ G.P.FUND/ PENSION FUND.	BUILDINGS	EQUIPMENT	PG COURSE GRANTS	NETWORK & OTHER SCHEMES	MISC. FUNDS	CAPITAL ACQUIRED BY REFUND OF LOANS	FUND FOR HBA/MCA/ CA	LOAN/ SCHOLAR SHIP ACCOUNT	CURRENT YEAR	PREVIOUS YEAR
a) Opening balance of the funds.	12,53,40,901	19,13,08,509	20,23,68,556	3,64,408	2,43,62,709	1,61,78,387	1,09,08,804	1,28,03,737	19,76,673	58,56,12,684	520186260
b) Additions to the funds.											
i) Grants	3,05,00,000		2,95,00,000		59,11,302					6,59,11,302	
ii) Other Additions	5,15,25,795		14,79,582	13,738	5,06,747	66,35,879		1,09,244		6,02,70,985	
TOTAL (a + b)	17,68,66,696	22,18,08,509	23,33,48,138	3,78,146	3,07,80,758	2,28,14,266	1,09,08,804	1,29,12,981	19,76,673	71,17,94,971	
c) Utilization/ Expenditure towards Objectives of funds.	4,31,59,442				39,27,601	12,75,155		10,053		4,83,72,251	
TOTAL (c)	4,31,59,442				39,27,601	12,75,155		10,053		4,83,72,251	
NET BALANCE AS AT THE YEAR END (a + b - c)	13,37,07,254	22,18,08,509	23,33,48,138	3,78,146	2,68,53,157	2,15,39,111	1,09,08,804	1,29,02,928	19,76,673	66,34,22,720	

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-03-2012 (Amount in Rs.)

<i>Funds- wise break up</i>							Totals	
SCHEDULE-3 EARMARED/ ENDOWMENT FUNDS	CORPUS FUND	STAFF WELFARE FUND	MAINTENANC E FUND	DEPRICIATIO N FUND	OBC FUNDS	SHEIKH-UL- ALAM CHAIR IN WRMC	CURRENT YEAR	PREVIOUS YEAR
a) Opening balance of the funds.	18,89,822	38,50,086	12,94,432	12,94,432	1,37,75,686	1,21,35,885	3,42,40,343	
b) Additions to the funds.								
i) Grants	1,65,651	3,37,498	1,13,132	1,13,132	9,04,805	9,36,112	25,70,272	
ii) Other Additions								
TOTAL (a + b)	20,55,473	41,87,584	14,07,564	14,07,564	1,46,80,491	1,30,71,997	3,68,10,673	
c) Utilization/ Expenditure towards Objectives of funds.								
TOTAL (c)								
NET BALANCE AS AT THE YEAR END (a + b - c)	20,55,473	41,87,584	14,07,564	14,07,564	1,46,80,491	1,30,71,997	3,68,10,673	
TOTAL: (A+B)							70,02,33,393	

SCHEDULES FORMING PART OF BALANCE SHEET

AS AT 31-03-2012 (Amount in Rs.)

	CURRENT YEAR		PREVIOUS YEAR	
SCHEDULE-5 SECURED LOANS AND BORROWINGS				
Central Government				
For Construction of \Buildings.				
Opening Balance				
During the year				
TOTAL:-				Nil
SCHEDULE-7 CURRENT LIABILITIES				
AND PROVISIONS				
A- CURRENT LIABILITIES				
Sundry Creditors		1,37,78,128		1,58,42,795
TOTAL		1,37,78,128		1,58,42,795
B- PROVISIONS				
Superannuation/Pension				10,34,870
Opening Balance		1,02,99,799		10,34,870
Previous liability cleared during the year		1,02,99,799		1,02,99,799
Liability of the current year		-		
TOTAL:-		Nil		1,02,99,799
TOTAL (A+B)		1,37,78,128		2,61,42,594

SCHEDULES FORMING PART OF BALANCE SHEET AS AT

31-03-2012 (Amount in Rs.)

SCHEDULE-8 FIXED ASSETS	DEPRECIATION							NET BLOCK		
	As at beginning of the year	Additions during the year	Deletions/adjustments during the year	As at the year end.	As at the beginning of the year	For the year	Deletion during the year	Up to end of the year	As at the current year end.	As at the Previous year end.
DESCRIPTION										
A- FIXED ASSETS.										
1. <u>LAND.</u>										
a) FREE HOLD.										
b) LEASE HOLD.										
2. BUILDINGS.	1,75,62,146	6,60,791		1,82,22,937	1,62,70,575	18,22,293		1,80,92,868	1,64,00,644	1,75,62,146
3. EQUIPMENTS.	12,25,780	67,59,305		79,85,085	1,75,69,682	31,94,034		2,07,63,716	47,91,051	12,25,780
4. COMPUTER PERIPHERALS	1,16,992	-		1,16,992	11,04,563	11,699		11,16,262	1,05,293	1,16,992
5. BOOKS.	14,62,881	-		14,62,881	15,54,809	1,46,288		17,01,097	13,16,593	14,62,881
6. VEHICLES.	38,43,401	5,86,005		44,29,406	12,22,080	4,42,940		16,65,020	39,86,466	38,43,401
7. FURNITURE/FIXTURE	26,387	-		26,387	32,518	2,638		35,156	23,749	26,387
8. TV/AUDIO VISUALS.	10,63,911	6,44,278		17,08,189	11,21,997	1,70,818		12,92,815	15,37,371	10,63,911
9. ELECTRIC FITTINGS/										

SCHEDULES FORMING PART OF BALANCE SHEET AS

AT 31-03-2012 (Amount in Rs.)

	CURRENT YEAR		PREVIOUS YEAR
SCHEDULE-11 CURRENT ASSETS, LOANS, ANDVANCES			
ETC.			
A- CURRENT ASSETS:			
1. Inventories			
<u>Material in Stores</u>			
Institute Construction Division, Estates &			
Electric M&R	16,86,650	16,86,650	16,86,650
Sundry Debtors	65,332	65,332	65,332
2. Cash balance in hand			
3. Bank Balance	50,771	50,771	22,537
<u>With Scheduled Banks</u>			
On Current Accounts			
i) J&K Bank			
ii) Canara Bank	6,55,62,480	6,55,62,480	42,00,647
iii) State Bank of India	1,14,363	1,14,363	1,14,363
iv) J&K Bank on a/c of 4 funds	10,41,961	10,41,961	13,14,673
v) OBC Funds	31,092	31,092	29,888
vi) On Deposit Accounts	24,10,408	24,10,408	24,10,408
5. Loan / Scholarship A/c (CD-7)	25,37,07,071	25,37,07,071	28,44,32,251
	19,76,673	19,76,673	19,76,673

TOTAL (A)			32,66,46,801	29,62,53,422
B. LOANS, ADVANCES AND OTHER ASSETS				
<u>LOANS</u>				
Staff HBA, MCA, Bicycle Advance				18,45,264
Advance and other amounts paid to Staff Students, Suppliers Contractors etc.			12,39,810 1,35,10,601	1,91,24,440
TOTAL (B)			1,47,50,411	2,09,69,704
TOTAL (A+B)			34,13,97,212	31,72,23,126

SCHEDULES FORMING PART OF BALANCE SHEET AS AT

31-03-2012 (Amount in Rs.)

<u>SCHEDULE -13- GRANTS</u>	CURRENT YEAR	PREVIOUS YEAR
Central Government	23,40,00,000	17,00,00,000
TOTAL	23,40,00,000	17,00,00,000
<u>SCHEDULE-14-FEES</u>		
Student's Fee	7,22,23,259	5,43,98,762
TOTAL:-	7,22,23,259	5,43,98,762
<u>SCHEDULE -17 GRANTS</u>		
<u>On Term Deposits With Schedule Banks</u>		
i) Employees Provident Fund.	98,35,292	70,23,901
ii) Short Term Deposits	49,25,136	31,71,044
iii) Short Term FDRS (Canara Bank)	5,29,031	23,60,067
iv) Other Deposits	43,974	82,158
TOTAL	1,53,33,433	1,26,37,170
<u>SCHEDULE - 18 OTHER INCOME</u>		
Miscellaneous Income	12,75,910	8,18,118

TOTAL		12,75,910	8,18,118
<u>SCHEDULE -20 ESTABLISHMENT EXPENSES</u>			
a) Salaries and Wages.		12,18,65,313	11,78,16,474
b) Allowances.		9,72,16,002	7,84,00,519
c) Interest on Provident Fund.		90,24,168	84,55,253
d) Expenses on Employees Retirement and Terminal Benefits		8,10,69,323	7,87,96,533
TOTAL		30,91,74,806	28,34,68,779
<u>SCHEDULE-21 OTHER ADMINISTRATIVE EXPENSE</u>			
a) Electricity and Water Charges.		1,44,72,968	1,43,57,053
b) Insurance of Institute Property.		2,49,547	1,62,876
c) Repairs of Buildings, Electricity, Furniture etc.		11,09,519	14,71,866
d) Vehicles Repairs and Maintenance.		4,54,603	5,40,330
e) Postage and Telegram Charges		51808	27,289

SCHEDULES FORMING PART OF BALANCE SHEET AS

AT 31-03-2012 (Amount in Rs.)

f) Printing and Stationery.	12,73,231	7,69,059
g) Traveling expenses.	25,92,906	13,31,049
h) Scholarships to students	17,05,161	13,00,000
i) Hospitality expenses	13,820	7,669
j) Summer School functions	-	1,68,378
k) Advertisement and Publicity	3,55,776	10,00,033
OTHERS:		
a) Liveries.	1,37,945	1,59,775
b) Hot and Cold Weather Charges.	9,20,603	3,80,842
c) Sanitation.	2,52,243	2,77,203
d) Misc. Contingencies.	15,13,458	7,64,762
e) Departmental Running Expenditure	11,35,532	7,19,759
f) Library.	15,16,722	52,090
g) Telephones	3,93,335	6,12,540
h) Training and Placement	1,89,808	74,829
i) Staff & Students Medical Facilities.	6,04,366	6,51,236
j) Membership fee.	1,03,537	1,68,044
K Legal Expenses	3,04,057	1,25,486
m) Students Project Works.	7,17,864	3,56,338
n) Students Co-curricular activities	8,42,876	3,32,128

o) Honorarium to Auditors	3,25,710	-
p) Interaction Seminars	1,04,028	-
q) Computer Service Centre	17,54,263	12,57,076
r) Maintenance and Repairs of Equipment	-	2,100
s) NIT Transit House fee	3,00,000	-
u) Honorarium to Visiting Professors	7,500	-
t) Examination Expenses	25,675	-
TOTAL:-	3,34,28,861	2,70,69,810
SCHEDULE 22 EXPENDITURE ON GRANTS, SUBSIDIES, ETC.	5,11,000	-
Subsidies given to Institutions/Organizations		
TOTAL:-	5,11,000	-
Note: The Subsidy is being given to Students Mess which is a private organization. The function of the said organization is to provide meals to the Students of the Institute. It is working on a no gain loss basis		

**ANNEXURE TO SCHEDULES-3 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012	S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012
	<u>Plan Grants for Buildings</u>				21.	Special repairs of staff Quarters/Hostels	1,00,000		1,00,000
1.	Instructional Buildings	1,04,06,000		1,04,06,000	22.	Lab. Building (PG)	6,66,000		6,66,000
2.	Students Amenities	7,61,000		7,61,000	23.	Renovation of Kitchen in students Hostel	2,07,474		2,07,474
3.	Staff quarters	37,91,637		37,91,637	24.	Hot Water facility in hostel	2,20,625.05		2,20,625.05
4.	Students Activity Centre	5,00,000		5,00,000	25.	12 No's lecture quarters	78,44,000		78,44,000
5.	Mett. & Chem. Engg. Block	11,65,000		11,65,000	26.	Fencing of grills in Hostel	1,50,000		1,50,000
6.	300 Bed Room Hostel	28,35,000		28,35,000	27.	Lab. Building High Voltage lab.			
7.	Girl's Hostel	46,42,913.02		46,42,913.02	28.	Renovation of Lab. & Academic Buildings	2,50,000		2,50,000
8.	24 No's servants quarters	1,87,000		1,87,000	29.	3-storeyed lab. Building for Mech/ Mett/ Chem.			
9.	Mess and Wardens Office	21,000		21,000					
10.	Electronics Building	14,68,000		14,68,000					
11.	Repairs of damaged wiring and sanitary fittings in Hostels	6,25691.81		6,25691.81					

12.	Extension of Library Building	12,00,000	12,00,000		12,00,000		Engg. Departments	73,45,000	73,45,000
13.	Bachelor type Lecture quarters	55,68,000	55,68,000		55,68,000	30.	24 No. class-II type residential quarters	12973331.58	12973331.58
14.	Construction of Lecture Halls	17,69,000	17,69,000		17,69,000				
15.	Garages for vehicles & service ramp	6,00,000	6,00,000		6,00,000	31.	24 No. class IV type residential quarters	82,81,000	82,81,000
16.	Roofing of leaking Lecture halls	3,76,000	3,76,000		3,76,000	32.	Renovation of two sheds for Mett. Engg. Deptt.	1,75,070	1,75,070
17.	Extension of Administrative block	9,50,000	9,50,000		9,50,000	33.	3-storeyed building for Computer Centre	1,28,99,000	1,43,99,000
18.	Class IV employees Quarters	31,86,000	31,86,000		31,86,000	34.	Extension of 3 storied Lab. Building for Mech./ Mett/ Chem. Engg. Deptt.	41,07,000	41,07,000
19.	Renovation of shed type Labs/workshop	2,00,000	2,00,000		2,00,000				
20.	Lab. Building (Maintenance Engineering Centre)	51,13,000	51,13,000		51,13,000	35.	2 nd storey for existing single storey lecture Halls	23,90,000	23,90,000

**ANNEXURE TO SCHEDULES-3 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012	S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012
36.	Reception Hall-cum-office at main gate	12,31,000		12,31,000	53.	Construction of Min pavilion Cum-change room	2,00,000		2,00,000
37.	Renovation of labs/workshops	21,50,000		21,50,000	54.	Face lifting of Campus	20,00,000		20,00,000
38.	Strengthening of existing infrastructure. Minor works (Campus Dev.)	15,00,000		15,00,000	55.	Improvement of Roads	24,00,000	5,00,000	29,00,000
39.	Water treatment Plant	10,00,000		10,00,000	56.	Street Lighting	6,50,000		6,50,000
40.	Drainage & Sewerage	1,00,00,000		1,00,00,000	57.	Construction of Lavatory Block	24,50,000		24,50,000
41.	Central Heating system (Hostel/ library)	16,35,000		16,35,000	58.	Car/Scooter Parking	16,56,430		16,56,430
42.	Construction of E.D.P. Cell	1,11,000		1,11,000	59.	Renovation of Girls Hostel	93,00,000		93,00,000
43.	Construction of building for 4 No. Generator sets	10,44,241		10,44,241	60.	Landscaping of the Campus	4,50,000		4,50,000
44.	Construction/ Renovation of sanitary system for staff								

	Quarters/ hostel.	10,47,526	10,47,526			61.	Renovation of Tawi Hostel, Mess & Guest House.	Nil	28500000	2,85,00,000
	Interconnecting Pathways	12,00,000	12,00,000							
46.	Replacement and Renovation of tin sheds	16,36,000	16,36,000				Total	191308509.4 6	30500000	221808509.4 6
47.	Extension of lecture halls	42,00,000	42,00,000							
48.	Construction of Central store yard	31,43,570	31,43,570							
49.	Replacement of rusted pipes in water supply	3,00,000	3,00,000							
50.	Construction of Health Centre	22,50,000	22,50,000							
51.	Garages for faculty Staff cars/ scooters	12,50,000	12,50,000							
52.	Renovation of Hostels & other college buildings including seminar hall	3,35,10,000	3,35,10,000							

**ANNEXURE TO SCHEDULES-3 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012	S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012
	Capital for Equipment under V Year Plan				17.	Plain Copier Machine	94,000		94,000
1.	Areas of Excellence	1,74,386.55		1,74,386.55	18.	Co-curricular activities	1,50,000		1,50,000
2.	Modernization and stabilization of labs.	11,86,090.76		11,86,090.76	19.	Centre for environment. Pollution and food technology	98,269.29		98,269.29
3.	Replacement of obsolete Equipment	30,93,400.65		30,93,400.65	20.	Geo- Tech. Lab (Civil)	15,00,000		15,00,000
4.	<i>Strengthening of library facilities</i>	18,88,167.77		18,88,167.77	21.	Mett. Engineering Lab.	17,35,000		17,35,000
5.	Workshop equipment	23,04,767.57		23,04,767.57	22.	Development of TV Lab	10,61,000		10,61,000
6.	Purchase of Computer	6,95,438.09		6,95,438.09	23.	Environmental Pollution control lab.	12,00,000		12,00,000
7.	Electronics equipment	12,07,880.68		12,07,880.68	24.	Continuing Education Programme	99,649		99,649
8.	Computer room Preparation 'O' Level	1,50,000		1,50,000	25.	Modernization of Metrology Lab. (Mech.)	15,00,000		15,00,000
9.	<u>Furniture plan</u>				26.	Geo-Thermal solar Energy	5,00,000		5,00,000
	a)College	4,50,000		4,50,000					
	b)Hostel	1,95,000		1,95,000					

10.	Modernization of Hostel equip. and cooking Range	41,42,000	41,42,000	41,42,000	27.	Replacement of Labs/ Workshop			
11.	Modernization of Library facilities(Books equipment)	16,10,256.13	16,10,256.13	16,10,256.13		a) Central Workshop b) Material testing & Stress Analysis c) Library	20,00,000	20,00,000	20,00,000
12.	Modernization of Labs/workshops.						10,00,000	10,00,000	10,00,000
	a) Machine tools		5,01,000	5,01,000	28.	High Voltage Lab.	20,00,000	20,00,000	20,00,000
	b) Electrical Engg. Lab.		15,00,000	15,00,000	29.	Micro Computer Lab. (Elect. Engg.)	12,50,000	12,50,000	12,50,000
13.	Bio-Chemical Engg. Lab.		15,00,000	15,00,000	30	Dev. Of micro process based system lab.	14,05,000	14,05,000	14,05,000
14.	Equipment P.G.Course (W.R.Dev.)		8,50,000	8,50,000	31	Production of environmental chemistry	5,00,000	5,00,000	5,00,000
15.	Consolidation of existing labs/workshop		54,60,938.88	54,60,938.88	32.	Micro Process application Engg.Lab	6,00,000	6,00,000	6,00,000
16.	Telecommunication PABX System		5,31,281.63	5,31,281.63					

**ANNEXURE TO SCHEDULES-3 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012	S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012
33.	Production Engg. Lab.	18,37,000		18,37,000	51.	Office Automation	35,00,000		35,00,000
34.	Purchase of Equipment	8,34,720		8,34,720	52.	Strengthening of central workshop	14,00,000		14,00,000
35.	Computer based con. Lab	2,50,000		2,50,000					
36.	Equipment M. E Centre	23,00,000		23,00,000	53.	Setting up of Hydro Biological lab.	10,00,000		10,00,000
37.	Furniture & Furnishing Maint. Engg. Centre	10,00,000		10,00,000					
38.	50 KVA Generator Set for Pump Shed.	13,872		13,872	54.	Master Plan for flood mitigation in Kashmir Valley.	5,00,000		5,00,000
39.	Renovation and Modernization of fire Fighting equipment				55.	Strengthening of facility for T&P	11,55,000		11,55,000
40.	Laser Technology & fiber optical Lab.	15,00,000		15,00,000	56.	Audio-visual aids, Computer, Xerox Mach	5,00,000		5,00,000
41.	Power Electronics Lab	8,00,000		8,00,000					
42.	Instrumentation process control lab.	10,00,000		10,00,000	57.	Setting up New Labs			
43.	Intercumbution engine lab				a)	Civil Engg. Deptt.	68,97,000	20,00,000	88,97,000
					b)	Elect Engg. Deptt.	65,96,000	20,00,000	85,96,000
					c)	Mech. Engg. Deptt.	49,50,000	20,00,000	69,50,000

44	Tube well and water pump for campus	16,00,000		16,00,000	d)	Electronics & Comm. Engg. Deptt.	60,78,000	20,00,000	80,78,000
45.	Fax System	1,50,000		1,50,000	e)	Chemical Engg. Deptt.	34,53,000	10,00,000	44,53,000
46.	Purchase of 200 line EPBAX System	8,97,503		8,97,503	f)	Mett. Engg. Deptt.	33,00,000	15,00,000	43,00,000
47.	LT line	1,50,000	5,00,000	6,50,000	g)	Chemistry Deptt.	29,42,000	5,00,000	34,42,000
48.	Centre of Excellence	3,48,47,634.28		3,48,47,634.28	h)	Physics Deptt.	32,60,000	10,00,000	42,60,000
49.	Strengthening of medical facilities	16,00,000		16,00,000	i)	Mathematics Deptt.	16,00,000	10,00,000	26,00,000
50	Electrical Maintenance and Repairs.	16,00,000		16,00,000	j)	Humanities Deptt.	9,00,000	5,00,000	14,00,000
	a)Strengthening of Present electrical distribution system	32,00,000		32,00,000	k)	Computer Engg. Deptt.	30,00,000	20,00,000	50,00,000
	b)(Transmission Line	11,00,000		11,00,000	l)	Information Tech Dept.	30,00,000	20,00,000	50,00,000
					m)	Water Resource Mana	30,00,000	20,00,000	50,00,000
					58.	Strengthening of Present comm. system	11,50,000	10,00,000	21,50,000
						Hp Laser Printer Battery, Intercom telephone sets etc	5,00,000	5,00,000	10,00,000

**ANNEXURE TO SCHEDULES- 3 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012	S. No	Name of the Scheme	Previous year	Additions during the year	Closing Balance as at 31-03-2012
59.	Upgradation of Computer Services Centre Purchase of Computers, Printers, UPS Generators, Transformers, Software hardware/ Internet Fee	55,66,000	5,00,000	60,66,000	1.	(C) Assets acquired out of Non. Plan Grant Vehicles	28,11,278.22		28,11,278.22
					2.	Library Books	64,42,377.52	14,73,082	79,15,459.52
					3.	College Furniture	37,70,825.87		37,70,825.87
60.	Renovation of Electrical Installation System	11,45,000		11,45,000	4.	Students Mess equipment	8,83,344.71		8,83,344.71
61.	P.C.B Lab. (EDP Cell)	9,32,136.40		9,32,136.40					
62.	Heat & Mass Transfer, fluid machines, Mechanical Operations & Reaction Eng	5,00,000		5,00,000	5.	Laboratory Equipment	96,098.56		96,098.56
					6.	Telephone Exchange	19,501.00		19,501.00

63.	Setting of a Microwave lab.	5,00,000	-	5,00,000	7.	Fire fighting Equipment	1,10,975.18	-	1,10,975.18
64.	Modernization of Unit Operation Engineering Lab.	7,00,000	-	7,00,000	8.	Dispensary equipment	2,70,562.97	-	2,70,562.97
65.	Setting of Hydro-Metrological Lab.	9,90,494	-	9,90,494	9.	Book Bank.	9,67,354.12	-	9,67,354.12
66.	Power Electronics Lab.	6,21,810	-	6,21,810	10.	Book bank S/C	15,82,929.35	-	15,82,929.35
67.	Dev. Of vertical instrumentation lab	5,62,540	-	5,62,540	11.	Office Equipment	13,43,723.00	6,500	13,50,223.00
68.	Wireless and Mobile Networks	9,00,000	-	9,00,000	12.	Diesel Generator Set.	5,07,878.93	-	5,07,878.93
69.	Purchase of Vehicles	28,00,000	-	28,00,000	13.	Equipment for essential services (Water Pump)	11,200.00	-	11,200.00
70.	Purchase of Departmental/ Office Equipment	7,00,000	-	7,00,000	14.	Lab. Equipment for Camp Classes Jammu	1,27,030.49	-	1,27,030.49
					15.	Solid state Lab. (Physics Department)	39,247.00	-	39,247.00

71.	Purchase of Furniture	27,00,000	80,00,000	1,07,00,000	Total	18984326.92	14,79,582	2,04,63,908.92
72.	National Mission On Education	45,00,000	-	45,00,000	16 (D) Equipment under model List	51,20,994.46	-	51,20,994.46
					17. (E) Institutional Network Schemes (Old)	31,51,596.80	-	31,51,596.80
	TOTAL	170963236.68	29500000	200463236.68	18. (F) Institutional Network Schemes (New)	58,24,828.52	-	58,24,828.52

ANNEXURE TO SCHEDULES- 3 FORMING PART OF BALANCE SHEET AS AT 31-03-2012

S.NO	Head of Account	Opening balance as on 01-04-2011	Additions during the year	Total	Utilization / Expenditure	Closing Balance as on 31-03-2012
1.	Water Resource Management Centre	26,33,709 00	-	26,33,709 00	-	26,33,709 00
2.	Conversion of natural products into potent drugs	28,645 85	-	28,645 85	-	28,645 85
3.	Solar passive house	2,49,650 14	-	2,49,650 14	-	2,49,650 14
4.	Research schemes	1,20,900 00	-	1,20,900 00	-	1,20,900 00
	Total	30,32,904 99	-	30,32,904 99	-	30,32,904 99

**ANNEXURE TO SCHEDULES-7 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S. No	Head of Account	Opening Balance of the funds (A)	Additions to the Funds (B)		Total (A+B)	Utilization/ Expenditure		Balance as at 31-03-2011			
A	Debt. Heads:										
1.	Life Insurance Premium.	5,950	28	11,35,262	00	28	11,24,983	00	16,229	28	
2.	State Insurance Premium	257	74	3,060	00	74	2,840	00	477	74	
3.	Group Insurance.	2,608	27	11,460	00	27	11,460	00	2,608	27	
4.	Alumni Association.	70,215	00	1,950	00	00	-	-	72,165	00	
5.	Teachers Society Fund.	1,880	00	85,500	00	00	80,400	00	6,980	00	
6.	Red Cross fund.	1,75,376	00	1,17,810	00	00	150	00	2,93,036	00	
7.	Income Tax.	1,19,733	38	98,53,196	00	38	93,84,032	00	5,88,897	38	
8.	State Sales Tax.	1,94,281	28	4,65,230	00	28	4,68,280	00	1,91,231	28	
9.	N/T Employees Association subscription	Nil		1,92,650	00	00	1,92,500	00	150	00	
10.	Leukemia Fund remittable to SKIMS	(-)	350	19,540	00	00	19,190	00	Nil		
11.	Grant-in-aid Camp classes Jammu	(-)	15,34,500	2,15,98,401	00	00	2,11,81,000	00	(-)	11,17,099	00
12.	Sale of entrance examination forms.	9,281	00	-		00	-	-	9,281	00	
13.	C.P Fund of Deputationists	Nil		1,93,439	00	00	1,93,439	00	Nil		
14.	G.P.Fund of Deputationists	Nil		3,35,220	00	00	3,35,220	00	Nil		
15.	Janta Personal Insurance	Nil		198	00	00	198	00	Nil		
16.	New Pension Scheme	Nil		3,60,469	00	00	3,31,624	00	28,845	00	
17.	Court Attachment	Nil		22,000	00	00	22,000	00	Nil		

	Total (A)	(-)9,55,267	05	3,43,95,385	00	3,34,40,117	95	3,33,47,316	00	92,801	95
B.	<u>Deposit Heads</u>										
01	Deposits and Securities	1,15,70,677	27	81,95,676	00	1,97,66,353	27	1,23,81,012	00	73,85,341	27
02	Mess Deposit	1,49,321	32	-	-	1,49,321	32	-	-	1,49,321	32
03	Caution Money(College, Hostel, Mess)	37,51,338	73	8,35,900	00	45,87,238	73	59,800	00	45,27,438	73
04	Library Caution Money	13,26,725	00	3,23,000	00	16,49,725	00	26,500	00	16,23,225	00
	TOTAL(B)	1,67,98,062	32	93,54,576	00	2,61,52,638	32	1,24,67,312	00	1,36,85,326	32
	TOTAL(A+B)	1,58,42,795	27	4,37,49,961	00	5,95,92,756	27	4,58,14,628	00	1,37,78,128	27

**ANNEXURE TO SCHEDULES-8 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S.No	Property and Assets.	Previous Year		Additions during the Year	Total at the Year end.	
1.	Instructional Buildings.	1,04,06,000	00	-	1,04,06,000	00
2.	Students Amenities	7,61,000	00	-	7,61,000	00
3.	Staff Quarters	48,55,755	73	-	48,55,755	73
4.	Guest House	6,40,581	36	-	6,40,581	36
5.	Students Activity centre	5,00,000	00	-	5,00,000	00
6.	Mett. & Chem. Engineering. Block	11,64,999	90	-	11,64,999	90
7.	Old Hostel buildings.	39,40,741	16	-	39,40,741	16
8.	300 bed room hostel	67,99,999	50	-	67,99,999	50
9.	Girls Hostel	46,42,913	02	-	46,42,913	02
10.	24 No. Servants Quarters	8,87,000	00	-	8,87,000	00
11.	Mess & Wardens Office	2,99,000	00	-	2,99,000	00
12.	Electronics & Comm. Engineering Block	14,68,000	00	-	14,68,000	00
13.	24 No. Bachelor type Lecturer Quarters.	55,53,602	54	-	55,53,602	54
14.	Major Repairs (Repairs of wiring and sanitary fittings in Hostels)	6,20,848	04	-	6,20,848	04
15.	Lab. Building P.G. Course	6,66,000	00	-	6,66,000	00
16.	Construction of lecture theatres.	17,69,000	00	-	17,69,000	00
17.	Extension of Library block.	12,00,000	00	-	12,00,000	00
18.	6 No. garages & service ramp.	6,00,000	00	-	6,00,000	00

19.	Roofing of leaking lecture halls.	3,75,999	85	-		3,75,999	85
20.	Lab. Building Maintenance Engineering Centre	51,13,000	00	-		51,13,000	00
21.	Special repairs of Staff Quarters/ Hostel	1,04,843	77	-		1,04,843	77
22.	Extension of Administration Block	7,49,679	19	-		7,49,679	19
23.	Class IV Employees Quarters	31,86,000	00	-		31,86,000	00
24.	Renovation of shed type Labs./Workshop	23,50,000	00	-		23,50,000	00
25.	Lab. Building EDP/Physics Lab.	1,11,000	00	-		1,11,000	00
26.	12 No. Lecture Quarters	78,44,000	00	-		78,44,000	00
27.	Lab. Building High Voltage Engineering.	20,20,000	00	-		20,20,000	00
28.	Renovation of lab. Building & Academic Building	2,50,000	00	-		2,50,000	00
29.	Hot water facility in Hostels.	2,20,625	05	-		2,20,625	05
30.	3 storied lab. Building for Mech. /Mett. /Chem. Engg. Deptts	73,45,000	00	-		73,45,000	00
31.	Fixing of grills around hostels.	1,50,000	00	-		1,50,000	00
32.	Class 2 nd type residential quarters.	1,29,73,331	58	-		1,29,73,331	58
33.	Class-IV type residential Quarters	82,81,000	00	-		82,81,000	00
34.	3 storied building for computer centre.	1,29,88,871	30	6,70,223	00	1,36,59,094	30

**ANNEXURE TO SCHEDULES-8 FORMING PART OF BALANCE SHEET AS
AT 31-03-2012**

S.No	Property and Assets.	Previous Year		Addition during the Year	Total at the Year	
					End.	
35	Renovation of Kitchen in Hostels.	2,07,474	00	-	2,07,474	00
36.	Construction of 2 nd storey for existing single lecture halls.	21,83,222	00	-	21,83,222	00
37.	Extension in 3 storied lab. Building.	41,07,000	00	-	41,07,000	00
38.	Reception Hall cum Office at Main Gate	12,31,000	00	-	12,31,000	00
39.	Construction of Building for Generators	10,,44,241	00	-	10,,44,241	00
40.	Interconnecting Pathways	12,00,000	00	-	12,00,000	00
41.	Renovation & General Maint. of Hostels and other buildings etc.	28,54,663	28	8,25,899	36,80,562	28
42.	Construction of Health Centre	22,36,783	00	-	22,36,783	00
43.	Garages for Cars/Scooters	12,50,000	00	-	12,50,000	00
44.	Replacement of rusted pipes in water supply	3,00,000	00	-	3,00,000	00
45.	Drainage and Sewage	45,61,665	00	25,27,166	70,88,831	00
46.	Const. & Renovation of Sanitary System(Staff Quarters / Hostels	10,47,526	00	-	10,47,526	00
47.	Water Treatment Plant	5,99,988	00	-	5,99,988	00
48.	Sirengthening of existing Infrastructure(Campus Development)	15,00,000	00	-	15,00,000	00
49.	Construction of Central Store Yard	31,43,570	00	-	31,43,570	00
50.	Central Heating System	11,86,938	67	-	11,86,938	67
51.	Extension of Lecture Halls	5,59,099	00	-	5,59,099	00
52.	Replacement of tin sheds	16,30,000	00	-	16,30,000	00

53.	Face Lighting of Campus	19,99,259	00	-	19,99,259	00
54.	Improvement of Roads	18,36,734	00	-	18,36,734	00
55.	Renovation of 2 Sheds for Metallurgical Engineering. Deptt.	1,75,070	00	-	1,75,070	00
66.	Lavatory Block for class IV quarters	24,35,566	00	-	24,35,566	00
67.	Car /Scooter Parking	5,72,938	00	-	5,72,938	00
68.	Street Lighting	6,09,308	00	-	6,09,308	00
69.	Renovation of Girls Hostel	92,36,529	00	-	92,36,529	00
70.	Renovation of Tawi Hostel, Tawi Mess & Guest House	-		94,00,000	94,00,000	00
	TOTAL:-:	18,42,39,339	94	1,34,23,288	19,76,62,627	94

**Annexure to Schedule-8 forming part of Balance Sheet as
at 31-03-2012**

S. No.	Property and Assets	Previous Year	Additions during the year	Total at the year end	S. No.	Property and Assets	Previous Year	Additions during the Year	Total at the Year end
	Equipment, Furniture, Fixture and other Assets acquired out of Non-Plan & Plan grants					PLAN FUNDS			
01.	Library Books	68,13,417.67	14,73082.00	82,86,499.67	01.	Strengthening of Lib. Facilities	11,20,637.77	-	11,20,637.77
02.	Students Mess Equipment	9,46,488.09	-	9,46,488.09	02.	Areas of Excellence	1,74,386.55	-	1,74,386.55
03.	Office Equipment	15,08,184.16	6,500.00	15,14,684.16	03.	Modernization and Stabilization of Labs	11,86,090.76	-	11,86,090.76
04.	Diesel water Pump	16,170.12	-	16,170.12	04.	Replacement of Obsolete Equipment.	30,93,400.65	-	30,93,400.65
05.	Telephones	19,501.00	-	19,501.00	05.	Diesel Generator Set	5,07,878.93	-	5,07,878.93
06.	Fire Fighting Equipment	1,10,975.18	-	1,10,975.18	06.	Workshop Equipment	24,57,923.57	-	24,57,923.57
07.	Other Departmental Equipment	44,16,144.79	-	44,16,144.79	07.	Computer "O" Level	6,95,438.09	-	6,95,438.09
08.	Vehicles	28,11,278.22	-	28,11,278.22	08.	Computer Room Prep.	1,50,000.00	-	1,50,000.00
09.	Equipment for essential service water pump	11,200.00	-	11,200.00	09.	Equipment Electronics & Communication Engg.	12,07,880.68	-	12,07,880.68
					10.	Modernization of Hostel Equipment	26,04,235.11	-	
					11.	Library Books & Equipment	16,10,266.11	-	16,10,266.11

10.	College Furniture	38,54,822.93	-	38,54,822.93	12.	Furniture Plan	-	-	450,000.00	450,000.00
11.	Hostel Furniture	2,39,465.64	-	2,39,465.64		a) College b) Hostel	-	-	1,95,000.00	1,95,000.00
12.	Book Bank	9,67,354.12	-	9,67,354.12						
13.	Book Bank (SC)	15,82,929.35	-	15,82,929.35	13.	Bio-Chemical EnggStudies	-	-	13,62,641.26	13,62,641.26
14.	Dispensary Equipment	2,70,562.97	-	2,70,562.97	14.	Consolidation of Existing labs/workshop	-	-	54,60,938.88	54,60,938.88
15.	Lab. Equipment For Camp Classes	1,27,030.49	-	1,27,030.49	15.	Tele Communication PABX System	-	-	5,31,281.63	5,31,281.63
16.	Building for Solid state Lab. For Physics Deptt.	39,247.00	-	39,247.00	16.	Central facilities for Plain Copier machine	-	-	94,000.00	94,000.00
					17.	Dev. Of TV. Lab	-	-	10,60,093.55	10,60,093.55
					18.	Modernization of Geo- Tech. Lab.	-	-	13,39,380.65	13,39,380.65

**Annexure to Schedule-8 forming part of Balance Sheet
as at 31-03-2012**

S. No.	Property and Assets	Previous Year	Additions during the year	Total at the year end	S. No	Property and Assets	Previous Year	Additions during the Year	Total at the Year end
19.	Modernization of Mett. Engineering Lab	17,34,890.82	-	17,34,890.82	33.	Equipment Maintenance Engineering Centre.	18,00,482.40	-	18,00,482.40
20.	Modernization of Metrology Lab.	13,58,382.14	-	13,58,382.14	34.	Production of Environmental Chemist	4,52,851.51	-	4,52,851.51
21.	Environmental Pollution Control System Lab.	11,61,881.87	-	11,61,881.87	35.	Purchase of Equipment	8,34,720.00	-	8,34,720.00
22.	Centre for Environmental pollution and food technology	98,269.29	-	98,269.29	36.	Inter Combustion Engine lab.	12,388.42	-	12,388.42
23.	Equipment M.E. Course water Resource Dev.	8,34,754.71	-	8,34,754.71	37.	Diesel Generator Set for Water Pump	13,872.00	-	13,872.00
24.	Modernization of Labs. a) Machine Tools. b) Electrical Engg.Lab	4,94,760.82 15,00,000.00	- -	4,94,760.82 15,00,000.00	38.	Instrumentation process control lab.	6,72,100.00	-	6,72,100.00
25.	Micro Processor Application Engg Lab	2,64,264.20	-	2,64,264.20	39.	Furnishing Maintenance Engineering Centre	3,72,462.00	-	3,72,462.00
26.	Geo-Thermal solar				40.	Tube Well and Water			

	Energy	1,58,644.00	-	1,58,644.00		Pump for Campus	1,03,845.00	-	1,03,845.00
27.	High Voltage Lab.	20,00,000.00	-	20,00,000.00	41.	Fax System	1,50,000.00	-	1,50,000.00
28.	Micro Computer Lab. (Electrical Engg).	12,44,684.96	-	12,44,684.96	42.	Power Electronics lab.	9,93,952.12	-	9,93,952.12
29.	Processor based system Lab.	14,04,440.72	-	14,04,440.72	43.	200- Line EPBAX System	8,97,503.00	-	8,97,503.00
30.	Production Engg.Lab	18,36,292.24	-	18,36,292.24	44.	New LT Line to Students Hostel/Staff Quarters	1,47,800.00	-	1,47,800.00
31.	Solar Water Heating System.	90,159.00	-	90,159.00	45.	Creation of laser tech. and fiber optional lab.	7,13,857.00	-	7,13,857.00
32.	Replacement of Labs/Workshops. a)Central Workshop. b Material Testing and Stress Analysis Lab. c) Library.	12,38,830.17 6,53,991.75 3,65,152.80	-	12,38,830.17 6,53,991.75 3,65,152.80	46. 47. 48. 49.	Centre of Excellence Strengthening of facility in T&P Department Office automation Equipment Setting up of Hydrobiology Lab.	3,48,47,634.28 6,91,458.00 24,62,969.81 10,00,000.00	- - 1,40,064.00 -	3,48,47,634.28 6,91,458.00 26,03,033.61 10,00,000.00

**Annexure to Schedule-8 forming part of Balance Sheet
as at 31-03-2012**

S. No.	Property and Assets	Previous Year	Additions during the year	Total at the year end	S. No.	Property and Assets	Previous Year	Additions during the Year	Total at the Year end
50.	<u>Setting up of New Labs</u>				61.	Modernization of Unit			
	a) Civil Engg. Deptt	54,32,982.00	69,790	55,02,772.00		Operational Engineering Lab.	7,00,000.00	-	7,00,000.00
	b) Electrical Engg. Deptt			57,30,030.42	62.	Modernization of power Electronic Lab.	6,21,810.00	-	6,21,810.00
	c) Electronics & Comm. Engg. Deptt	56,81,003.42	49,027	56,03,054.51	63.	Sports facilities, fields and equipment	51,618.75	-	51,618.75
	d) Chemical Engg. Deptt.	50,41,604.51		16,12,465.00	64.	Setting up of Microwave Lab.	5,00,000.00	-	5,00,000.00
	e) Mett. Engg. Deptt.	1	5,61,450	10,01,387.20	65.	Virtual Instruments Lab.	5,62,540.00	-	5,62,540.00
	f) Chemistry Deptt.	16,12,465.00		15,38,468.00	66.	Modernization of			
	g) Physics Deptt.			29,45,994.00		Fire fight fighting	3,67,091.00	-	3,67,091.00
	h) Humanities Deptt	10,01,387.20		2,96,586.00	67.	Wireless and mobile network	5,75,149.00	-	5,75,149.00
	i) Mathematics Deptt.	15,38,468.00		11,84,622.00	68.	Strengthening of Telecommunication System	3,95,140.00	-	3,95,140.00
	j) Mechanical Engg.			27,30,698.00	69.	Purchase of vehicles	27,52,935.00	-	27,52,935.00
	k) Water R M Centre	29,45,994.00		2,13,284.00					
	l) Computer Engg. Deptt.	02,96,586.00		48,77,249.00					
	m) Information Tech, Deptt.	11,84,622.00	62,600	30,78,016.00					
		26,68,098.00		38,49,506					
		2,13,284.00							

		10,27,743.00	26,73,619						
51.	Strengthening of Medical facilities	4,04,397.00	-	14,78,475.00		70.	Audio Visuals aids, Computers	14,975.00	14,975.00
52.	<u>Electric Maintenance & Repairs</u> a) Strengthening of present elect. Distribution system b) Transmission Line	20,00,000.00	6,44,278	26,44,278.00		71.	Purchase of Furniture	26,87,485.00	32,73,490.00
		9,21,221.00		9,21,221.00		72.	National Mission on Education (NMCICF)	45,00,000.00	45,00,000.00
53.	P.C.B Lab. (EDP Cell)	9,01,758.00	-	9,01,758.00		73.	Purchase of Deptt. Equipment	-	50,036.00
54.	Master plan for flood Mitigation in Kashmir Valley	5,00,000.00	-	5,00,000.00			Total:-	182182219.08	1,01,29,961
55.	Continuing Education Computer Programme	99,649.00	-	99,649.00					192312180.08
56.	Renovation of Elect. Installation System	10,61,388.00	-	10,61,388.00					
57.	Heat and Mass Transfer Fluid Mechanics	4,35,741.50	-	4,35,741.50					
58.	Purchase of								

	Computers/Printers/UPS etc.	43,72,574.50	-	43,72,574.50
59.	Equipment donated by Italian Govt. for Maintenance Engineering centre	1,50,00,000.00	-	1,50,00,000.00
60.	Setting up Hydro Met logical observatory	9,90,494.00	-	9,90,494.00

**Annexure to Schedule-8 forming part of Balance Sheet
as at 31-03-2011**

S. No	Property and Assets	Previous Year	Additions during the year	Total at the year end	S.	Property and Assets	Previous Year	Additions during the Year	Total at the Year end
	<u>ASSETS ACQUIRED</u>					FROM STATE GOVERNMENT PLAN.			
	<u>From INSTITUTIONAL NETWORK AND OTHER SCHEMES.</u>								
1.	Institutional Network Schemes (Old)	31,51,596.07	-	31,51,596.07	1.	Development of Campus	20,94,999.82	-	20,94,999.82
2.	Institutional Network Schemes (New)	59,36,290.62	-	59,36,290.62	2.	Spectroscopy lab.	7,9,999.63	-	7,9,999.63

3.	Water Resources Management Centre	26,33,708.30	-	26,33,708.30	3.	Fencing of Hostels	2,19,999.88	-	2,19,999.88
4.	Conversion of Natural products into potent drugs	28,645.00	-	28,645.00	4.	Task Force	5,00,000.39	-	5,00,000.39
5.	Solar Passive House	2,49,650.00	-	2,49,650.00	5.	Up gradation of Inner Roads	20,00,000.00	-	20,00,000.00
	Total:	1,19,99,889.99	-	1,19,99,889.99		Total:	48,94,999.72	-	48,94,999.72

**GRANTS RECEIVED /EXPENDITURE INCURRED DURING 2010-11 AND BALANCE
AS ON 31-03-2012**

S. No	Head of Account	Opening Balance as on 01-04-2011	Grants received in 2011-12	Total	Expenditure during 2011-12	Balance as at 31-03-2012
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	CENTRAL GOVT. PLAN FUNDS					
1.	Buildings:					
1.	24 No's Bachelor type Lecture Quarters	14,397.46	-	14,397.46	-	14,397.46
2.	Extension of Administrative Block	2,00,320.81	-	2,00,320.81	-	2,00,320.81
3.	3 storied Lab. Building for Computer centre	(-) 89,871.30	15,00,000.00	14,10,128.70	6,70,223.00	7,39,905.70
4.	2 nd storey for exiting 2 no's single storied Lecture Halls	2,06,778.00	-	2,06,778.00	-	2,06,778.00
5.	Water Treatment Plant	4,00,012.00	-	4,00,012.00	-	4,00,012.00
6.	Drainage and Sewage	54,38,335.00	-	54,38,335.00	25,27,166.00	29,11,169.00
7.	Central Heating system (Hostels/Library)	4,48,061.33	-	4,48,061.33	-	4,48,061.33
8.	Replacement and Renovation of tin sheds	6,000.00	-	6,000.00	-	6,000.00
9.	Extension of Lecture halls	36,40,901.00	-	36,40,901.00	-	36,40,901.00
10.	Construction of Health Centre	13,217.00	-	13,217.00	-	13,217.00
11.	Renovation and General Maintenance of Hostels/other buildings/ seminar hall	49,63,358.72	-	49,63,358.72	8,25,899.00	41,37,459.72

12.	Construction of Mini Pavilion-Cum-Change Room	2,00,000.00	-	-	2,00,000.00	-	2,00,000.00
13.	Face Lifting of Campus	741.00	-	-	741.00	-	741.00
14.	Improvement of Roads	5,63,266.00	5,00,000.00	-	10,63,266.00	-	10,63,266.00
15.	Street Lighting	40,692.00	-	-	40,692.00	-	40,692.00
16.	Lavatory Block	14,434.00	-	-	14,434.00	-	14,434.00
17.	Car / Scooter parking	10,83,492.00	-	-	10,83,492.00	-	10,83,492.00
18.	Renovation of Girls Hostel	63,471.00	-	-	63,471.00	-	63,471.00
19.	Landscaping of Campus	4,50,000.00	-	-	4,50,000.00	-	4,50,000.00
20.	Renovation of Tawi Hostels, Tawi Mess & Guest House	-	2,85,00,000.00	-	2,85,00,000.00	94,00,000.00	1,91,00,000.00
	Total	1,76,57,606.02	3,05,00,000.00	3,05,00,000.00	4,81,57,606.02	1,34,23,288.00	3,47,34,318.02
(1)	(2)		(4)		(5)	(6)	(7)
II	EQUIPMENT PLAN TD.III (T-4)						
1.	Modernization of Hostel equipment and Cooking Range	15,37,764.89	-	-	15,37,764.89	-	15,37,764.89
2.	Renovation and modernization of fire fighting system						

		11,32,909.00	-	11,32,909.00	-	11,32,909.00	-	11,32,909.00
3.	Sports facilities (Field /equipment)	98,381.25	15,00,000.00	15,98,381.25		15,98,381.25		15,98,381.25
4.	Geo-Tech Lab. (Civil Engg. Deptt.)	1,60,619.35	-	1,60,619.35	-	1,60,619.35	-	1,60,619.35
5.	Equipment PG. Course (W.R.D)	15,245.29	-	15,245.29	-	15,245.29	-	15,245.29
6.	Equipment Maint.Engg. Centre	4,99,517.60	-	4,99,517.60	-	4,99,517.60	-	4,99,517.60
7.	Furniture &Furnishings (MEC)	6,27,538.00	-	6,27,538.00	-	6,27,538.00	-	6,27,538.00
8.	Tube well water & Pump for Campus	14,96,155.00	-	14,96,155.00	-	14,96,155.00	-	14,96,155.00
9.	New LT Line for Hostel /Staff Quarters	2,200.00	5,00,000.00	5,02,200.00	-	5,02,200.00	-	5,02,200.00
10.	Strengthening of Medical facilities	1,21,525.00		1,21,525.00	-	1,21,525.00	-	1,21,525.00
11.	Electrical Maintenance & Repairs:							
	i) Strengthening of Present Electrical Distribution System	12,00,000.00	-	12,00,000.00	6,44,278.00	12,00,000.00	6,44,278.00	5,55,722.00
	ii) Transmission Line	1,78,779.00	-	1,78,779.00		1,78,779.00		1,78,779.00
12.	Office automation equipment Registry	10,37,030.19	-	10,37,030.19	1,40,064.00	10,37,030.19	1,40,064.00	8,96,966.19
13.	Strengthening of Central Workshop	12,46,844.00	-	12,46,844.00	-	12,46,844.00	-	12,46,844.00
14.	Strengthening of facilities for T&P Deptt.	4,63,542.00	-	4,63,542.00	-	4,63,542.00	-	4,63,542.00
15.	Audio-visual aids, computer, Xerox machs.	4,85,025.00	-	4,85,025.00	-	4,85,025.00	-	4,85,025.00

16.	<u>Setting up of New Labs.</u>							
	i) Civil Engg. Deptt.	14,64,018.00	20,00,000.00	34,64,018.00	69,790.00	33,94,228.00		
	ii) Electrical Engg. Deptt.	9,14,996.58	20,00,000.00	29,14,996.58	49,027.00	28,65,969.58		
	iii) Mechanical Engg. Deptt.	22,81,902.00	20,00,000.00	42,81,902.00	62,600.00	42,19,302.00		
	IV) Electronics & Comm. Engg. Deptt.	10,36,395.49	20,00,000.00	30,36,395.49	5,61,454.00	24,74,941.49		
	v) Chemical Engg. Deptt	18,40,535.00	10,00,000.00	28,40,535.00	-	28,40,535.00		
	vi) Mett. Engg. Deptt	22,98,602.80	15,00,000.00	37,98,602.80	-	37,98,602.80		
	vii) Chemistry Deptt.	14,03,532.00	5,00,000.00	19,03,532.00	-	19,03,532.00		
	viii) Physics Deptt.	3,14,006.00	10,00,000.00	13,14,006.00	-	13,14,006.00		
	ix) Mathematics Deptt.	4,15,378.00	10,00,000.00	14,15,378.00	-	14,15,378.00		
	x) Humanities Deptt	6,03,414.00	5,00,000.00	11,03,414.00	-	11,03,414.00		
	Xi) Computer Science & Engg. Deptt	19,72,257.00	20,00,000.00	39,72,257.00	38,49,506.00	1,22,751.00		
	Xii) Information Technology Deptt.	25,95,603.00	20,00,000.00	45,95,603.00	26,37,619.00	19,57,984.00		
	xiii). Water Resource Management Centre	9,36,716.00	10,00,000.00	19,36,716.00	-	19,36,716.00		
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
17.	Laser Jet Printers, Battery, Intercom, Telephones Cordless Phones etc.	1,04,860.00	5,00,000.00	6,04,860.00	-	6,04,860.00		
18.	Purchase of Computers, Printers, UPS, Generator Sets Transformers, Software Hardware, Lying of fabric Optical Cable, Internet.							

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	<u>Replacement of labs/Workshops</u>					
10.	i) Central Workshop ii) Library	11,07,178.83 1,34,847.20	- -	11,07,178.83 1,34,847.20	- -	11,07,178.83 1,34,847.20
11.	Micro Computer lab. (Elect. Engg.)	5,315.04	-	5,315.04	-	5,315.04
12.	Dev. Of Micro process based sys.lab.	559.28	-	559.28	-	559.28
13.	Production Engineering. Lab.	707.76	-	707.76	-	707.76
14.	Environmental chemistry	47,148.49	-	47,148.49	-	47,148.49
15.	Micro Process application Engg. Lab.	3,49,493.00	-	3,49,493.00	-	3,49,493.00
16.	Dev. Of Computer based control lab.	2,50,000.00	-	2,50,000.00	-	2,50,000.00
17.	Laser Technology creation of Fabric Optical Lab	86,143.00	-	86,143.00	-	86,143.00
18.	Power Electronics Lab.	6,047.88	-	6,047.88	-	6,047.88
19.	Instrument. Process Control Lab. (Mech)	77,900.00	-	77,900.00	-	77,900.00
20.	Inter combustion Engine Lab.	9,87,611.58	-	9,87,611.58	-	9,87,611.58
21.	P.C.B.Lab. (E.D.P. Cell)	30,378.40	-	30,378.40	-	30,378.40
22.	Heat & Mass Transfer, Fluid Mechanics Mechanical Operations & Reaction Engg	64,258.50	-	64,258.50	-	64,258.50
23.	Wireless and Mobile Networks	3,24,851.00	-	3,24,851.00	-	3,24,851.00

	TOTAL:-	41,49,163.86	-	41,49,163.86	-	41,49,163.86	41,49,163.86
VI.	Institutional network schemes (new)						
1.	Dev. Of Structural Engineering. Lab.	4,853.70	-	4,853.70	-	4,853.70	4,853.70
2.	Dev. Of Heat Transfer Lab.	39,506.14	-	39,506.14	-	39,506.14	39,506.14
3.	Process Instrument. and Dynamics lab.	1,13,625.80	-	1,13,625.80	-	1,13,625.80	1,13,625.80
4.	Fabric Optical and Laser Technology.	6,890.80	-	6,890.80	-	6,890.80	6,890.80
5.	Microwave Lab	8,699.69	-	8,699.69	-	8,699.69	8,699.69
6.	Basic Engg. Lab. (Elect. Engineering.)	3,88,538.00	-	3,88,538.00	-	3,88,538.00	3,88,538.00
	TOTAL:-	5,62,381.13	-	5,62,381.13	-	5,62,381.13	5,62,381.13
	Grand Total Plan(I-VI)	5,41,87,601.90					
VII.	OBC Grants	1,37,75,686.00	9,04,805.00	1,46,80,491.00	-	1,46,80,491.00	1,46,80,491.00
	TOTAL	1,37,75,686.00	9,04,805.00	1,46,80,491.00	-	1,46,80,491.00	1,46,80,491.00
VIII.	Sheikh -UI -Alam Chair in WRMC	1,21,35,885.00	9,36,112.00	1,30,71,997.00	-	1,30,71,997.00	1,30,71,997.00
	TOTAL	1,21,35,885.00	9,36,112.00	1,30,71,997.00	-	1,30,71,997.00	1,30,71,997.00
(1)	(2)	(3)	(5)	(5)	(6)	(5)	(5)
IX)	RESEARCH SCHEMES						

1.	Nodal Centre	(-) 8,19,400.80	21,36,703.00	13,17,302.20	15,86,773.00	(-)2,69,470.80
2.	Special Manpower Dev. Programme in VSL Design	11,31,973.00	-	11,31,973.00	49,051.00	10,82,922.00
3.	Information Security Education of Arians	9,92,888.00	-	9,92,888.00	48,000.00	9,44,888.00
4.	EIFP Scheme	20,000.00	-	20,000.00		20,000.00
5.	Effect SHI Irradiation on Magnetic	29,150.00	2,64,599.00	2,93,749.00	2,72,722.00	21,027.00
6.	Funds for Improvement of S&T Infrastructure (FIST)	72,61,324.00	5,06,747.00	77,68,071.00	-	77,68,071.00
7.	Research in favor of Dr.A.Ahmad	10,000.00		10,000.00	-	10,000.00
8.	Research Scheme (IIT) in favor of Ahsan Chesti	5,61,000.00	2,10,000.00	7,71,000.00	1,19,350.00	6,51,650.00
9.	DST R/ Scheme "Photo adduct based Nanocompound synthesis"	16,56,785.00	-	16,56,785.00	16980.00	16,39,805.00
10.	Remote sensing of Inosphric & Meganetsphric	6,56,000.00	-	6,56,000.00	34,725.00	6,21,275.00
11.	Application of Intelligent control to Hybrid power system (Elect Engg.Deptt.)	-	15,00,000.00	15,00,000.00	-	15,00,000.00
12.	DST Programme INSPIRE	-	18,00,000.00	18,00,000.00	18,00,000.00	Nil
	TOTAL	1,14,99,719.20	64,18,049.00	1,79,17,768.20	39,27,601.00	1,39,90,167.20

NOTES ON ACCOUNTS FOR THE YEAR 2011-2012

Schedule -1 Corpus/Capital Fund:

No amount by way of contribution especially to the corpus has been received. The balance is cumulative effect operating results shown in

Income and Expenditure Account

There is no policy or statutory requirement for creation of reserve and earmarked fund from amount to corpus

Schedule -2:

As stated no reserves are to be created. However, as per the accounting policy, fixed assets received by way of non monetary grants are

capitalized at values stated, by corresponding credit to capital reserve. The Italian Equipment worth Rs. 150.00 Lakhs, received as a gift has

accordingly been credited to capital reserve

Schedule – 3 Earmarked / Endowment Funds:

Amounts received as grants or assistance, or retained by the Institution to be utilized for specific or earmarked purposes and remaining to be

expanded / utilized for specific purpose, for which these are intended, have been accounted for under this head. All Plan funds for capital Assets

such

as buildings, equipment, machinery etc. have accordingly been depicted distinctly.

Majority of Capital assets of the Institute find their place in

this schedule. Following Sub-divisions / Categories too have been made.

- A. Funds represented by assets incorporated in Schedule –8**
- B. Research schemes represented by the intangible assets.**
- C. Staff related Funds.**

It has been ensured that accretions to and utilizations of earmarked funds are in accordance with terms and conditions attached to the same.

Schedule – 4 & Schedule -5:

As no loans and borrowings have been raised by the Institute, these are not applicable.

Schedule - 6 :

Acceptance and long-term obligation contracted for construction/acquisition of residential quarters have been provided here. Yearly mode and installment of repayment of credit is the amount of rent of the Staff Quarters/Hostels.

Schedule – 7 : Current liabilities and provisions:-

1. Acceptances: As Institute is not authorized to raise money through bill of exchange; no liability on this account exists.

2. Sundry Creditors: The amounts shown against this sub-head comprise amounts owed by the Institute in favor of others on account of goods purchased or services rendered or in respect of contractual obligations. Many an accounts with credit balances are temporary deposit accounts,

the remittances and transfers of money where from has to take place and having been allowed to be operated upon by the Institute, have been

disclosed here. Accordingly, following sub-divisions has been made:-

A. Deposit and remittance heads.

B Other deposit heads.

3. Advances received:

No advances are received by the Institution.

4. Interest accrued but not due

As no loan is raised, no interest accrues

5. Statutory liabilities:

There is no such liability.

6. Our current liabilities:

Not applicable.

C Provisions:

Provisions for superannuation pension and leave encashment at retirement have been made.

Schedule – 8:

Institute Land” is leasehold with lease in perpetuity. Its historical cost is awaited from revenue department of State Govt. The cost will be reflected

in the Annual Accounts of the Institute when the same is received from the concerned Department. Depreciation has been provided from the

Financial year 2001-2002 after adopting the common accounting format at the following rates:-

Computers	40%
Equipment	10%
Books	10%
Vehicle	10%
Electrification	10%

Assets in use for more 180 days have been depreciated at full rates. Those in use for less than 180 have been depreciated at 50% of the

rate of depreciation. Non-plan assets are being written off over a period of 5 years.

Schedule – 9 &10:

Investments from earmarked/Endowment funds.

As no investment from funds is being done, these schedules are not applicable.

Schedule – 11:

Current Assets, Loans, Advances etc.

A. Current Assets:

1. Inventories:

As the Institute does not deal in sale of goods, this is not applicable.

1. Sundry debtors:

2. These include accounts of persons from whom amounts are due for service rendered or in respect of contractual Obligations. Debts considered

3. good for recovery and those considered doubtful has been shown separately.

INCOME AND EXPENDITURE ACCOUNT:

Schedule – 12:-

(i) Income from Sales - Not applicable

(ii) Income from Service.

Professional / Consultancy Services - duly included.

Schedule – 13:-

Grants / Subsidies - duly shown

Schedule – 14:-

Fee / Subscription - duly shown

Schedule – 15:-

Income from investment - Not applicable

Rent – Rent as Income on Investment on properties (Guest house Shops) has been included.

Schedule – 16:-

Income from Royalty, Publication etc Recoveries, Fines, Penalties from suppliers, etc. have been shown here.

Schedule – 17:- Interest Earned:

a) On term Deposits – Interest earned, for the year has been accounted for.

b) Saving account – duly accounted for.

c) On Loans: - Interest on loan to staff has been calculated and accounted for

d) Interest on debtors, other receivables - not applicable

Schedule – 18:- Other Income:-

1. Sale of Asset - Nil

2. Miscellaneous Income - Penalties, Fines and other recoveries have been shown here

Schedule – 19:-

Not applicable.

Schedule – 20:-

Gross Expenditure against each head including in respect of Staff on deputation has been shown.

Schedule – 21:-

Gross Expenditure against each head has been accounted for.

Schedule – 22:-

Subsidy to students Mess has been accounted for here.

Schedule – 23:-

Not applicable.

Schedule – 25:-

Significant Accounting Policies.

1. Accounting Convention

(a). **The financial statement has been prepared on the basis of historical cost convention and on the actual method of accounting. Prior to the financial year 2001-2002, the standard method of accounting was cash basis. Accordingly the accounts devoid of any cash transaction were not carried to financial statement. No depreciation was provided. Income actually realized and the expenditure made and paid was accounted for fixed assets received by way of non-monetary grants were not capitalized. By new accounting policy and principles, this shall change and the deficiencies in respect of accountable of above shall be made good. The format for Financial Statements adopted is devised by Central Govt. for non-profit Organization. Additional Schedules for inclusion of details not accommodated by the format wherever found necessary have been annexed to the Balance Sheet and to Income and Expenditure account. In determining the accounting treatment and presentation and disclosure on the Balance Sheet / Income and Expenditure account of transaction and events, following standards of accounting have been major inputs and factors.**

(i) Consistency.

(ii) Substance and not merely the legal form.

(iii) Concept of materiality.

(b).No reserves and surplus from surplus of Income Expenditure account are to be created.

(c).Provision has been made for all known liabilities and losses to the extent ascertainable in the light of available information. The provision for contingent loss too has been determined on its merits.

(d).Revenue has not been recognized and accounted for unless:-

i. The related performance has been achieved.

ii. No significant uncertainty exists regarding the amount of consideration.

iii. It is not unreasonable to expect realization and ultimate collection.

(e)Separate disclosure has been made in the Income and Expenditure Account in respect of:-

(i).“Prior Period” Items, which comprise material items of Income and expenses that arise from events or transactions of errors omissions in the preparation of the financial statements of one or more prior periods.

(ii)“ Extra – Ordinary” items, which are material items of Income and Expenses that arise from events of transactions that are clearly distinct from ordinary activities of the Institute and, therefore, are not expected to recur frequently or regularly. Any item under the head “Miscellaneous Income” which exceeds 1 % of total turnover / gross income of the Institute or Rs. 50,000/= which ever is higher.

Thus such item has been booked against appropriate account head in the Income and Expenditure Account.

Any item under the head "Miscellaneous Expenses" which exceeds 1 % of total turnover / gross income or Rs. 50,000/= which ever is higher and as such has been shown distinct and separate item against an appropriate account head in the Income and expenditure account.

(f)The figures in the Balance Sheet, Income and Expenditure Account and Receipt and Payment Account have been rounded off to Rupee

2. Inventory Valuation:

Stores and Spares (Including Machinery Spares) have been valued at cost.

3. Investments:

Investments are not in the approved activity of the Institute. Accordingly, no investments have been made.

4. Fixed Assets:

(i) Fixed assets have been stated at cost of acquisition inclusive of inward freight, duties incidentals and Installation and direct expenses related to acquisition.

(ii)In respect of Projects involving construction, revenue expenditure of salaries, wages etc. and other administrative expenses and other pre-operational expenses (including interest on loans prior to its completion), form part of the value of assets capitalized.

Fixed Assets received by way of non-monetary grants (Other than towards the Corpus Fund) have been capitalized at values state, by corresponding credit to Capital Reserve.

5. Depreciation:

Depreciation has been provided on straight line method as per rates specified in the Income Tax act, 1961 except Depreciation on cost adjustments arising on account of Conversion of foreign currency liabilities for acquisition of fixed assets, which is amortized over the residual life of respective assets.

(i) In respect of additions to/deductions from fixed assets during the year, depreciation has been provided on pro rata basis.

(ii) Depreciation on Assets costing Rs. 5,000/= or more each have been fully provided.

6. Miscellaneous Expenditure:

Deferred revenue expenditure is being written off over a period of 5 years from the year it is incurred. This includes capitalization of some non-plan expenditure incurred in the running of the Institute and depreciated over 5 years.

7. Government Grants/Subsidies:

(i) In significant and material departure from accrual method of accounting, Government grants/subsidy has been accounted for on realization basis.

(ii) Government grants of the nature of contribution towards capital cost of setting up project have been treated as Capital Reserve.

(iii) Grants in respect of fixed assets acquired have been shown as deduction from the cost of related assets.

8. Foreign Currency Transactions:

(i) Transactions denominated in foreign currency have been accounted at exchange rate prevailing at the date of transactions.

(ii) Current assets, foreign currency loans and current liabilities have been converted at the exchange rate prevailing as the year end and the resultant gain/ loss adjusted to cost of fixed assets, if the foreign currency liability related to fixed assets, and in other cases transferred to revenue.

9. Lease:

Lease and rentals have been expensed with reference to lease terms.

10. Retirement Benefits:

As the services in the Institute are pension able under Government rules, retirement benefits of establishment expenses are provided for and, therefore, no liability towards gratuity payable on death / retirement of employees is accrued based on actuarial valuation and no provision for accumulated leave encasement benefit to the employees is accrued and computed on assumption that employees are entitled to receive the benefits as each year end. However, provision for liability on account of superannuation pension has been made.

3. Cash Balance in Hand:-This includes cheques and drafts.

4. Bank Balance:

Amounts held as bank balances against earmarked/ endowment funds have been disclosed separately. When any deposit accounts are pledged or charged as security are encumbered, the fact has been revealed. Over due / matured deposits have been shown separately.

B. Loans, Advances and other Assets:

1. Loans Staff

2. Advances and other amounts recoverable in Cash or in kind for values received.

a) On Capital Account:

Advances to suppliers/contractors for capital works have been shown here.

b) Pre-payments:

Pre-paid expenses are included here.

c) Others:

This includes receivable, other than debtors on loans and advances.

3. Income accrued:

Includes income due but not realized on loan and advances.

4. Claims receivable:

Only claims which are considered good and realizable are included.

RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR 2011-12

S.No	Receipts	Current Year	Previous Year	S.No	Payments	Current Year	Previous Year
I	<u>Opening Balances</u>			I.	<u>Expenses:</u>		
a)	Cash in hand.	22,537	50,759	a)	Establishment Expenses	31,94,74,605	28,45,93,649
b)	Bank Balance in Current Accounts.	56,59,571	1,14,87,441	b)	Administrative Expenses	3,39,39,861	2,70,69,810
II				c)	Corresponding to Schedule 21 & 22.	6,500	-
a)	<u>Grants Received.</u>	23,40,00,000	17,00,00,000	II.	Part-B Non-Recurring		
b)	<u>Non-Plan</u>	6,00,00,000		a)	<u>Payments made against fund for various projects.</u>	1,34,23,288	60,29,034
c)	<u>Plan:</u>	13,378	12,469	b)	Buildings	86,50,379	93,65,878
III	PG Courses Interest	24,10,408	23,23,087	c)	Equipment under T-4	-	-
IV.	<u>oBC Funds</u>	9,04,805	14,66,542	d)	Equipment under T-7	-	-
	Opening Balance	9,36,112	21,35,885	III.	Plan Recurring	24,10,408	24,10,408
V.	Interest			IV	<u>OBC Funds</u>		
VI.	Sheikh Ul Alam Chair in WRMC	7,29,413	12,61,061		Closing Balance	39,27,601	29,72,612
	4 Funds	64,18,049	50,85,899	V.	<u>Expenditure under</u>		
VII.	<u>Research</u>						

a)	Schemes.	1,53,33,433	1,26,37,170	Research Schemes.	29,84,27,366	26,73,11,420
b)	From Govt. of India.	7,22,23,259	5,43,98,762	Other Payments.		
c)	Interest Received.	12,75,910	8,18,118	Debt. Head Payments.	50,770	22,537
VIII.	On Bank Deposits.	34,71,33,441	35,71,37,305	Closing Balances.	6,67,49,898	56,59,571
	Students Fee			Cash in Hand.		
	Other Income			Bank Balance in Current Accounts.		
	Debt Head Receipts.					
	Total:-	74,70,60,676	61,88,14,498	Total:-	74,70,60,676	61,88,14,498

Audit Report-2012

Draft Separate Audit Report of the Comptroller and auditor General of India on the accounts of National Institute of Technology Srinagar for the year ended 31 March 2012.

We have audited the attached Balance Sheet of the National Institute of Technology Srinagar and Income and Expenditure Account/ Receipt and Payment Account for the year ended on that date under Section 19(2) of the Comptroller and Auditor General's (Duties, Power and Conditions of Service) Act, 1971 read with Section 22(2) of NIT Act 2007. These financial statements are the responsibility of the Institute's management. Our responsibility is to express an opinion on the 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 policies, accounting standards on disclosure norms etc. Audit observations on financial transactions with regard to compliance with the Laws, Rules and 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 the auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on 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 the management as well as evaluating the over all presentation of financial statements. We believe that our audit provides a reasonable basis on our opinion.

4. Based on our audit, we report that:-

- i. We have obtained all the information and explanations, which to be best of our knowledge and belief were necessary for the purpose of our audit.
- ii. The Balance Sheet and Income and Expenditure Account/ Receipt and Payments Account dealt with by this report have been drawn up in the format approved by the Government of India, Ministry of Finance.

- iii. In our opinion, proper books of accounts and other relevant records have been maintained by National Institute of Technology, Hazratbal Srinagar as required under 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

1. Assets acquired out of Non-Plan grants to the tune of Rs. 15.24 lakh (2010-11: Rs. 0.44 lakh and 2011-12: Rs. 14.80 lakh) have not been depreciation in the Income and Expenditure Accounts. Similarly assets worth Rs. 951.00 Lakh acquired out of Plan grant were not added to Asset account though pointed out in previous Audit Report. This has also resulted in understatement of Asset Account and overstatement of Income and Expenditure Account to that extent. In reply to audit query the Institute stated that rectification would be carried out in next year's account.

2. There was minus balance of Rs. 13.87 Lakhs (Sch.3:Rs. 2.70 lakh and Sch.7: Rs. 11.17 lakh) which remained unexplained. In reply to audit query the Instituted stated that minus balance would be looked into.

3. As per General Provident Fund broad sheet there was liability of Rs. 12.67 crore at the end of March, 2012 against an amount of Rs. 13.24 crore (Rs. 13.37 crore minus Pension Fund Rs. 0.13 crore) reflected in Balance Sheet (annexure to Sch. 3). This has resulted in variation of Rs. 0.57 crore)

4. Payment of Rs. 94.00 lakh made to Central Public Works Department (Voucher No. 350 dated. 28.12.2011) for renovation of hostel building was debited to final head of account instead of treating it advance. This resulted in understatement of Debtors and overstatement in Income and Expenditure Account.

B. Grant-in-Aid

Out of grant –in-Aid of Rs. 39.49 crore the Institute has utilized a sum ob Rs. 37.94 crore during the year leaving a balance of Ts. 1.55 crore as un-utilized grant on 31 March 2012. In reply to audit query the Institute stated that the unutilized grant would be utilized in the current year.

C. Management letter

Deficiencies which have not been included in this Report were issued through a Management Letter separately for remedial/ corrective measures by the Institute. Compliance of the same requires to be shown to the next audit.

I – Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure and Receipt and Payment Accounts dealt with by this Report are in agreement with the books of accounts.

II – In our opinion and best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and subject to the significant matters stated above and other matters mentioned in "Annexure-I" to this Separate Audit Report give a true and fair view and are in conformity with the accounting principles generally accepted in India.

- a. In so far it relates to the Balance Sheet of affairs of the National Institute of Technology, Hazratbal Srinagar as at 31 March 2011 and
- b. In so far as it relates to Income & Expenditure Accounts of the deficit for the year ended on that date.

Principal Director of Audit (Central)

Annexure-I

1. Adequacy of Internal Audit System

The audit on the accounts of the Institute is conducted by the Comptroller and Auditor General of India on the presumption that all the transactions appearing in the books of the original accounts represent the legitimate charges and the accounts themselves record all the transactions appearing in the books during the year 2011-12 and nothing has been left out. The could have been ensured well only when the original books of accounts were subject to detailed check by the Internal Audit. Despite the Internal Audit wing having been created, the checks in respect of the departments/accounts were not found to have been exercised. In reply to audit query the Institute stated that audit of some wings has been conducted and remaining wings would be audited in due course of time. The reply was not tenable as no such reports were shown.

2. Adequacy of Internal Audit System

- a. No controls were exercised by the Institute like stock verification, reconciliation, administrative inspection and proper authorization and approval procedures, In reply to audit query the Institute stated that observation was being looked into.
- b. Control measure to meet the risks as a consequence of shortage of inputs like funds, obsolescence of stocks/ technology/ procedure or change in technology for up-gradation etc. were not existing. The Institute has not created core group to counter such risks. In reply to the audit query the Institute stated that instructions have been noted.
- c. Institute had created a pension fund of Rs. 0.13 crore out of grants, but the same had not been credited to revenue account as pension payments are met out of general grant.
- d. Bank reconciliation was not conducted therefore genuineness of the closing balance of Rs. 6,23,58,685 with the J&K Bank on 31 March 2012, the bank scroll reflected a closed balance of Rs.2,43,33,195 only leaving a difference of Rs. 3,80,25,490. Non-conducting of bank reconciliation is fraught with the risk of misappropriation of funds. In reply to audit query the Institute stated that bank reconciliation was under process.
- e. Earmarked/ endowment funds (Sch.3) include the grants received and expenditure incurred on buildings, equipment, PG Course, Network and other schemes etc. This

has resulted in understatement of capital Account and overstatement of Earmarked/ Endowment funds. Besides, does not give true picture of investment account.

- f. Advance to the tune of Rs. 129.31 lakh were outstanding at the end of 31 March 2012. Age-wise analysis of outstanding advances was neither prepared nor appended with the account. In absence

Of the details the bad debt, if any, was not ascertainable in audit. Out of the total outstanding of Rs. 129.31 lakh, an amount of Rs. 73.94 lakh was outstanding against 100 employees of the Institute. In reply to audit query the Institute stated that effective steps have been made to adjust the advances, the reply was not tenable as age-wise analysis of advances was not prepared and non-adjustment/ non-recovery of huge outstanding advances indicated poor internal control mechanism in the Institute and needed to be improved without delay to avoid turning of the old advances into bad debts.

3. System of physical verification of fixed assets

Physical verification of assets to ascertain factual position regarding excess/ shortage, in any, and obsolete/ un-serviceable items, was not conducted. In reply to audit query the Institute stated that instructions have been noted.

4. System of physical verification of inventory

The system of physical verification of inventory was lacking in the Institute. In reply to audit query the Institute stated that instruction has been noted.

Director-I