



FOREWORD

It is a privilege for me to present the 56th Annual Report of National Institute of Technology Srinagar, Hazratbal Srinagar Kashmir (J&K) for the year 2015-16. Our Institute established in 1960, offers eight (08) B.Tech. programmes in various branches of Engineering, (11) P.G. programmes (M.Tech. / M.Sc.) in addition to Ph.D. programme in all the Departments and also M.Phil. programme in the Faculty of Applied Sciences. Our faculty actively participated in National and International Conferences/Seminars, Workshops, expert lectures and other related research activities and presented a good number of papers in these conferences/Seminars during the year under report. The Institute also organized Conferences/Workshops on its own as well as in collaboration with other Institutions /organizations. Apart from these activities many R&D sponsored projects are in progress.

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. The placement has been satisfactory during the year under report. 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 rendered useful services to other sister Institutions and continued to offer expertise and consultancy services to various government/public/private organizations.

The Institute has made MoUs with some NITs, IITs, Research Organizations to strengthen teaching learning and research activities.

Even though the Institute suffered tremendously during the floods of September 2014, the academic calendar was implemented successfully during 2015-16, with the hard work of all the teaching and non-teaching staff members of the Institute and full support of the MHRD.

the guidance of Board of Governors in all matters especially that of Chairman, BOG Dr. M. J. Zarabi is highly appreciated.

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

Last but not the least, I record my appreciation for the team under the Chairmanship of Registrar, Prof. F. A. Mir for compilation of the Annual Report 2015-16.

(Prof. A. R. Dar)
Director

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1.0. INTRODUCTION

1.1. 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, adjacent to the campus of University of Kashmir on the North side which is about 1.5 kilometres away from the present Campus which was acquired for the Institute simultaneously and work of construction started. The Institute started shifting to the present campus 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. Even going through the difficult times due to conditions in the valley in 90's, the Institute has proved its mettle through its output at various levels and has become a prestigious Institute of the region.



1.2. *THE CAMPUS & ITS LOCATION*

The Institute is located in Srinagar ,the summer capital of J&K at Hazratbal, Srinagar 10KMS. From the city centre. The Campus is surrounded by the scenic Himalayan ranges, the Zabarwan Hills and world famous Dal Lake on its East side and the most revered shrine of the Country Hazratbal Shrine on the North side. Hazratbal is well connected with most parts of the city by a dependable road transport service.

The campus is about 22 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 304 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. 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 cafeteria, shops, bank, medical unit with ambulances, guest house, students activity centre, gymnasium, computer services centre with internet facility, bus facility, centralized library etc.

1.3 ADMINISTRATION

National Institute of Technology Srinagar(J&K) is an autonomous Institute under the direct control of ministry of Human Resource Development (MHRD), Govt. of India (GOI). The Institute functions under the 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 Departments & Centres, Registrar, Various committees 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

2.0 ACADEMICS

2.1. Education System

- 4- 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 , 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 of two years (four semesters) for full time students and 3 years for those admitted under part-time. Part time enrolment is given only to sponsored candidates.
- Doctor of Philosophy (Ph.D.) degree is awarded by the Faculty of Engineering in all branches of engineering available in the departments.
- 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 the whole year including dates for registration, semester examinations, inter-semester breaks, sports activities, annual day etc.
- Medium of instructions and examination for all courses including writing of dissertations of B.Tech. /M.Tech. /M.Phil. and Ph.D. thesis is British English.
- 05 days week period with at least 90 working days in each semester.
- Week days used for E.C.A. and other such activities.
- Credit Based continuous Assessment System with two minors and one major examination in each semester.
- Compulsory Practical training & visits to the work sites both at graduate and post graduate levels.

2.2. ACADEMIC PROGRAMMES:

The Institute offered various academic programmes comprising of 08 B. Tech. programmes in eight branches of engineering; 08 M. Tech. programmes in 04 engineering departments, M.Phil. programme in Sciences and HSS departments and Ph.D. programme in all the engineering, science and HSS departments.

The Institute has eight Engineering Departments, four 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 Science & Engineering, and viii) Information Technology

Allied Departments

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

Centres

i) Water Resources Management Centre ii) Maintenance Engineering Centre
iii)Computer Services Centre iv) Central Research Facilities Centre
v) Innovation, Incubation & Entrepreneurship Development Centre

2.3. 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) Geotechnical Engineering | (Civil Engineering) |
| 4) Transportation Planning & Engineering | (Civil Engineering) |
| 5) Communication and Information Technology | (Electronics & Comm. Engg.) |
| 6. Micro Electronics | (Electronics & Comm. Engg.) |
| 7) Mechanical System Design | (Mechanical Engineering) |
| 8) Industrial Tribology and Maintenance Management | (Mechanical Engineering) |
| 9) Electric Power and Energy System | (Electrical Engineering) |
| 10) Chemical Engineering | (Chemical Engineering) |

M.Sc. Degree Programmes

1) Applied Physics

(Physics Department)

M. Phil Programme

The Institute 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 150 research** fellowship have been sanctioned with Scholarships at the rate as approved by MHRD from time to time.

2.4. ADMISSION PROCEDURE

2.4.1 Undergraduate Courses

As per the policy of Govt. of India for NIT's, admission to U.G. programmes is made on the basis of the merit in national level test Joint Entrance Examination (JEE) Mains, conducted by Central Board of Secondary Education (CBSE) New Delhi. 50% of sanctioned intake of 632 seats for B.Tech. is filled from domicile candidates of J&K State and 50% from candidates of other States, purely based on the merit/ranking in JEE main through a centralized on-line counselling system devised by the MHRD. In addition the institute also has a sanctioned intake of 04 seats for students under DASA programme.

2.4.2 Post-graduate courses

The admission for Post graduate courses is made through CCMT based on GATE scores. However, admissions through a written test for sponsored candidates on full time and part-time basis is also available for in-service candidates interested in seeking admission in Post graduate Programmes.

The M. Tech Programme is of two years spread (four semesters) and a total number of 60 credits are required to be earned for its award. The coverage of various courses, labs, seminars, field work, dissertation etc is an essential part of the M.Tech. programmes.

2.4.3 M. Phil / Ph.D.

The Selection of candidate 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.

2.5. ACADEMIC CALENDAR

The following Academic Calendar prepared by the Institute and approved by the Senate, was 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.

Institute Academic Calendar for the Year-2015-16

ACADEMIC CALENDAR OF NIT SRINAGAR FOR THE YEAR 2015-16				
SPRING SESSION				
ACTIVITY	DATE		DAY	
	From	To	From	To
1. a. Registration	02-03-2015	04-03-2015	Monday	Wednesday
b. Late Registration	05-03-2015	09-03-2015	Thursday	Monday
2. a. Teaching (8th Semester)	05-03-2015	12-06-2015	Thursday	Friday
b. Teaching for other semesters	05-03-2015	19-06-2015	Thursday	Friday
3. 1 st Minor	13-04-2015	16-04-2015	Monday	Thursday
4. Extra-Curricular Activities	17-04-2015	19-04-2015	Friday	Sunday
5. 2 nd Minor	18-05-2015	21-05-2015	Monday	Thursday
6. Tech. Fest.	22-05-2015	24-05-2015	Friday	Sunday
7. Alumni Day	24-05-2015		Sunday	
8. Annual Day	30-05-2015		Saturday	
9. B.Tech. & M. Tech. Project Viva	11-06-2015	13-06-2015	Thursday	Saturday
10. Major for 8th semester	15-06-2015	23-06-2015	Monday	Tuesday
11. Major for other even semesters	24-06-2015	06-07-2015	Wednesday	Monday
12. Supplementary for odd semesters	09-07-2015	17-07-2015	Thursday	Friday
13. Result Declaration for 8th Semester	26-06-2015		Friday	
AUTUMN SESSION				
ACTIVITY	DATE		DAY	
	From	To	From	To
1. a. Registration	20-07-2015	23-07-2015	Monday	Thursday
b. Late Registration	24-07-2015	27-07-2015	Friday	Monday
2. Teaching	24-07-2015	10-11-2015	Friday	Tuesday
3. Freshers Orientation Day	3 rd week of August			
4. 1 st Minor	31-08-2015	03-09-2015	Monday	Thursday
5. Extra-Curricular Activities	18-09-2015	20-09-2015	Friday	Sunday
6. CONVOCAATION 2015	Third Week of September			
7. 2 nd Minor	05-10-2015	08-10-2015	Monday	Thursday
8. Major for odd semesters	16-11-2015	30-11-2015	Monday	Tuesday
9. Supplementary for even semesters	03-12-2015	10-12-2015	Thursday	Thursday
10. WINTER VACATIONS (for students)	11-12-2015	29-02-2016	Friday	Monday

2.6. STUDENTS

The present student strength of the Institute is **2700**. The Institute has been able to attract the students from all parts of the Country. Students of NIT Srinagar in addition to doing well in academics, also take part in other co-

curricular and extra-curricular activities as well with lot of enthusiasm. 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.

2.7 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 of examination for all 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.

For each course, a grade is awarded on the basis of three written examinations in the case of theory papers i.e. Minor-I, Minor-II and Major with weight-age of 20, 20 and 50 marks, respectively. 10 marks are reserved for class performance and attendance of the student in the course. The paper setting and evaluation is done at the concerned Department level and monitored by a Departmental Monitoring Committee (DMC). Both Minor examination answer scripts are returned to students and the major answer scripts is shown to them before submission of grade to the DMC.

B.Tech. 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 the form of a bound thesis. The Heads of the Departments constitute a Project Evaluation

Board (PEB) which assesses each individual project of the students. The evaluation is done in the following manner:-

<i>SUPERVISOR</i> 40%	<i>EVALUATION BOARD</i> 60%	
Based on the work done by the student during the tenure of the Project)	20% for Project Report Contents & Quality	40 % For Presentation & viva voce

The Project Evaluation Board comprises of:-

- a) 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 for B. Tech.
In case of M. Tech. the expert is from outside the Institute, nominated by Director from an approved panel.

2.8. PLACEMENTS

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

2.9. GAMES & SPORTS:

The 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-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.

2.10. 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.

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

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.

2.11. STAFF POSITION

<u>S.No:</u>	<u>Position</u>	<u>Staff sanctioned</u>	<u>Staff in position</u>
<u>1.Academic Staff:</u>			
	Director	01	01
	Faculty	198	80+8 (Trainee Teachers)
2	Sr. Administrative Staff	20	10
3	Non-Teaching Staff	198	302
NB: The excess staff is due to restructuring of the non- teaching staff of the NITs as per MHRD orders.			

3.0 ACADEMIC STATISTICS

3.1. B. Tech. Courses

DISCIPLINE	SANCTIONED INTAKE	ADMISSIONS 2015-16
<i>Chemical Engineering</i>	77 + 7(DASA)	63
<i>Civil Engineering</i>	123 + 20(DASA)	113 + 2 (DASA)
<i>Computer Science Engineering</i>	62 + 7(DASA)	61 + 2(DASA)
<i>Electrical Engineering</i>	77 + 15(DASA)	75
<i>Electronics and Communication Engineering</i>	77 + 15(DASA)	72
<i>Information Technology</i>	62 + 7(DASA)	58
<i>Mechanical Engineering</i>	77 + 18(DASA)	76
<i>Metallurgical Engineering</i>	77 + 6(DASA)	55
Total	632 + 95(DASA)	518 + 4 (DASA)

3.2. M. Tech. Courses

<i>DISCIPLINE</i>	<i>INTAKE</i>	<i>ADMISSIONS 2015-16</i>
<i>Water Resources Engineering (Civil Engineering Department)</i>	15	06
<i>Structural Engineering (Civil Engineering Department)</i>	25	22
<i>Communication and Information Technology (Electronics and Comm. Engineering)</i>	25	16
<i>Micro Electronics</i>	13	10
<i>Mechanical System Design (Mechanical Engineering)</i>	25	15
<i>Industrial Tribology and Maintenance Management</i>	26	13
<i>Electric Power & Energy System</i>	26	18
<i>Transportation Engg</i>	18	08
<i>Geo-Tech</i>	17	13
<i>Chemical Engineering</i>	18	02
<i>M.Sc. Physics</i>	25	02
<i>Total</i>	233	125

3.3 M. Phil /Ph.D. Programmes:

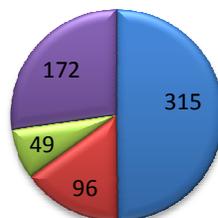
150 annually.

3.4 COURSE WISE ENROLMENT WITH CATEGORY / GENDER BREAK-UP:

3.4.1 Seat Matrix- B.Tech Level 2015-16

Quota	Degree	Branch	OP	OPPH	SC	SCPH	ST	STPH	OBC	OBCPH	TOTAL
Other State (50%)	B.Tech	CSE	15	01	05	-	02	-	08	-	31
		IT	15	-	05	-	03	-	08	-	31
		Civil	30	01	08	01	05	-	16	-	61
		Mech	19	-	06	-	03	-	10	01	39
		Elect	19	01	06	-	03	-	10	-	39
		E&C	18	-	06	-	03	-	10	01	38
		Chem	19	01	06	-	03	-	10	-	39
		M&MT	18	-	06	-	03	-	10	01	38
		Total	153	04	48	01	25	-	82	03	316
Home State (J&K) (50%)	B.Tech.	CSE	15	-	04	-	03	-	08	01	31
		IT	15	01	04	-	02	-	08	01	31
		Civil	31	01	09	-	04	-	16	01	62
		Mech	18	01	06	-	03	-	10	-	38
		Elect	18	-	06	-	03	-	10	01	38
		E&C	19	01	06	-	03	-	10	-	39
		Chem	18	-	06	-	03	-	10	01	38
		M&MT	19	01	06	-	03	-	10	-	39
		Total	153	05	47	-	24	-	82	05	316

Seat Matrix -B.Tech. Level 2015-16
Number of students shown in the chart



■ OP
■ SC
■ ST
■ OBC

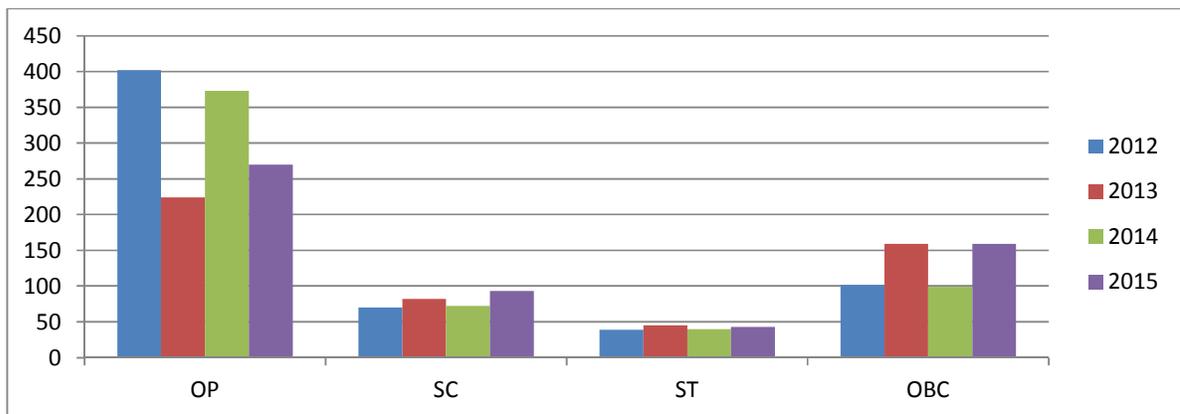


3.4.2 Students enrollment -Category wise

B. Tech. :

<i>ADMISSION MADE</i>						
<i>Year</i>	<i>Batch</i>	<i>OP</i>	<i>SC</i>	<i>ST</i>	<i>OBC</i>	<i>Total</i>
2012	Civil	79	15	08	21	123
	ELE	50	09	05	13	77
	ECE	48	09	05	13	77
	Chem	45	07	05	11	68
	Mech.	50	09	05	12	77
	Met.	50	06	03	12	71
	C. Sc.	40	08	04	11	63
	I.T.	40	07	04	09	60
		402	70	39	102	613
2013	Civil	38	14	07	39	98
	ELE	29	11	06	27	73
	ECE	28	10	05	25	68
	Chem	23	12	04	12	51
	Mech.	29	10	06	22	67
	Met.	29	10	06	08	53
	C. Sc.	25	07	05	18	55
	I.T.	23	08	06	08	45
		224	82	45	159	510
2014	Civil	71	15	08	24	118
	ELE	47	08	05	13	73
	ECE	48	09	04	12	73

	Chem	39	09	05	12		65
	Mech.	48	09	05	13		75
	Met.	43	08	05	10		66
	C. Sc.	39	06	04	09		58
	I.T.	38	08	04	06		56
		373	72	40	99		584
					-	DASA	
2015	Civil	52	17	07	34	02	112
	ELE	32	12	06	23		73
	ECE	32	12	05	22		71
	Chem	36	12	05	09		62
	Mech.	35	12	06	22		75
	M&ME	29	11	04	10		54
	C. Sc.	30	08	05	16	02	61
	I.T.	24	09	05	19		57
		270	93	43	155	04	565
G.Total		1269	317	167	519		2272



Admission Statistics - B.Tech. (04- years)



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>
2014	Water Resource Engineering	05	-/01	02	-	08
	Mechanical System Design	11	02/-	-	02	15
	Structural Engineering	13	03/01	-	01	18
	Industrial Tribology and Maintenance Management	13	01/01	-	02	17
	Communication Information Technology	12	02/01	05	03	23
	Electric Power & Energy System	13	03/01	02	03	22
	Transportation Engg	07	02/-	02	03	14
	Geo-Tech	06	02/01	03	02	14
2015	Water Resource Engineering	03	01/01	-	-	05
	Mechanical System Design	08	02/01	01	03	15
	Structural Engineering	12	03/01	03	03	22
	Industrial Tribology and Maintenance Management	09	02/-	01	01	13
	Communication Information Technology	09	01/01	05	-	16
	Electric Power & Energy System	11	03/01	01	01	17
	Transportation Engg	06	01/-	01	-	08
	Geo-Tech	06	02/01	02	02	13

	Micro Electronics	05	01/-	02	02	10
	Chemical Engineering	02	--	01	-	03
Total		151	43	31	28	253

M.Sc. Physics:

<i>Year</i>	<i>OP</i>	<i>SC/ST</i>	<i>Sponsored</i>	<i>OBC</i>	<i>Total</i>
2015	02	-	-	-	02

3.2.3. Students' Enrolment Gender wise

a) B. Tech

Batch	CIVIL		ELE		ECE		CHEM		MECH		METT		CSE		IT	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
2012	116	05	74	02	61	11	60	08	74	-	62	02	54	08	54	04
2013	90	08	67	06	59	09	44	07	63	04	49	04	45	10	42	03
2014	109	09	61	12	64	09	54	11	74	01	56	10	50	08	48	08
2015	97	15	60	13	58	13	56	06	75	-	44	10	60	01	48	09
Total	412	37	262	33	242	42	214	32	286	05	211	26	209	27	192	24

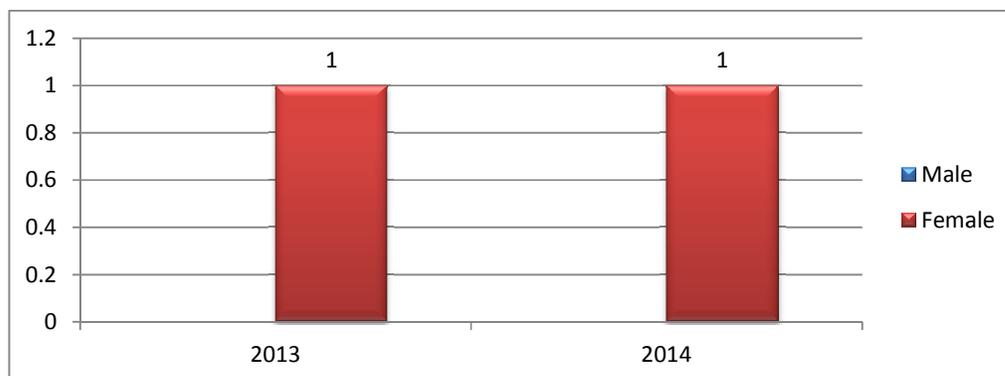
b) M. Tech. :

Batch	WRE		Mech. System Design		Structural Engg		Comm. & Information Tech		Industrial Tribology & Maintenance Management		Elect. Power & Energy System		Transportation Engg		Geo-Tech.		Micro Electronics		Chemical Engg.		M.Sc. Physics-	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
2014	07	01	15	-	17	01	13	10	17	-	19	03	14	-	11	03	-	-	-	-	-	-
2015	5	-	15	-	19	03	08	08	13	-	16	01	07	01	11	03	07	03	02	01	02	-

c) M. Phil (Faculty of Science) :

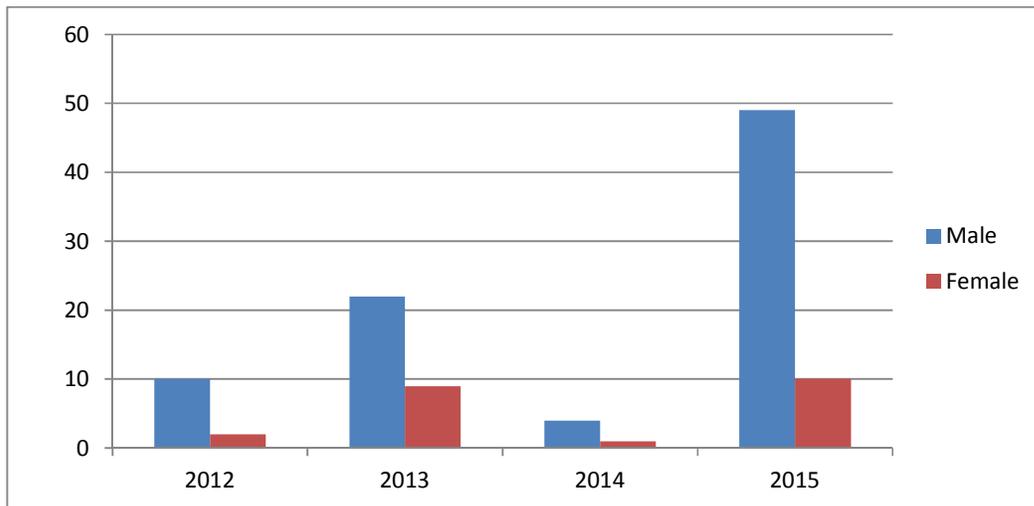
Batch	Chemistry		Physics		Math	
	M	F	M	F	M	F
2012	03	02	-	-	-	-
2013	-	01	-	-	-	-
2014	-	01	-	-	-	-
2015	-	-	-	-	-	-
Total	03	04	-	-	-	-

M.Phil. Enrolment Gender wise (Faculty of Science)



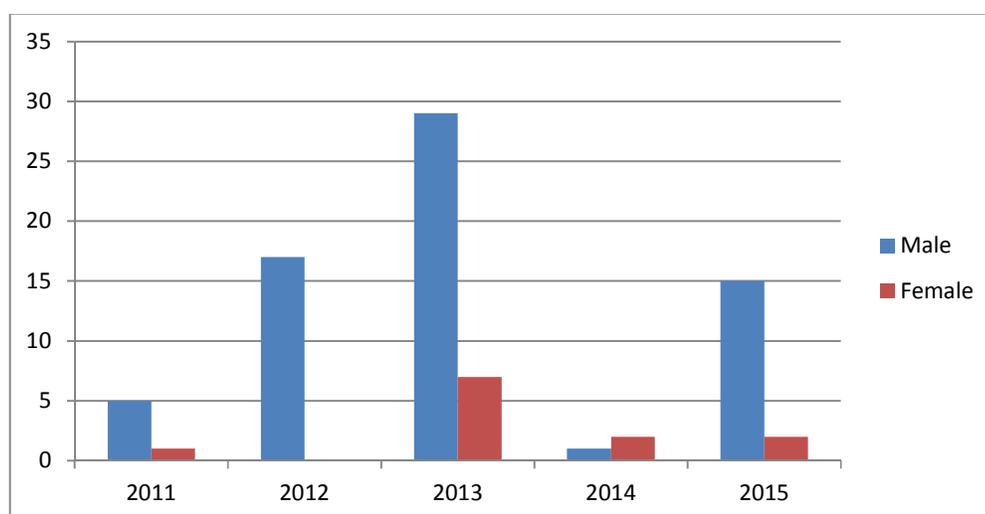
d) Ph.D. (Faculty of Engineering) :

<i>Year</i>	<i>ECE</i>		<i>ELE</i>		<i>CIT/CSE</i>		<i>MECH</i>		<i>Chemica</i>		<i>MMED</i>		<i>CIVIL</i>	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
2012	-	01	-	-	02	01	08	-	-	-	-	-	-	-
2013	05	07	5	-	02	-	10	02	-	-	-	-	-	-
2014	-	01	-	-	01	-	-	-	0	-	-	-	-	-
2015	06	03	09	03	02	-	15	-	-	-	02	01	15	03



e) Ph.D. (Faculty of Science) :

<i>Batch</i>	<i>Physics</i>		<i>Chemistry</i>		<i>Math</i>		<i>HSS</i>	
	M	F	M	F	M	F	M	F
2012	04	-	12	-	1	-	-	-
2013	13	-	11	4	5	2	-	1
2014	01	-	-	02	-	-	-	-
2015	05	01	06	01	02	-	02	-



Ph.D. enrolment Gender wise (Faculty of Science)

3.3. STUDENTS' TOTAL STRENGTH

3.3.1. Strength in Undergraduate Programme

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

OM	1269
SC	317
ST	167
OBC	519
Total:	2272



3.3.2. *Strength in M.Tech. Programme*

OM	151
SC/ST	43
Sponsored	31
OBC	28
Total	253

3.3.3. *M.Phil. Programme* - 07

3.3.4. *Ph.D. Programme* - 168

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 Centres are: Water Resources and Management Centre, Central Research Facilities Centre, Maintenance Engineering Centre, Innovation, Incubation & Entrepreneurship Development Centre and Computer Services Centre

4.1 DEPARTMENTS

4.1.1 DEPARTMENT OF CIVIL ENGINEERING

Head: Prof. A. R. Dar

Introduction

The department of Civil Engineering is one of the earliest departments at the commencement of the Institute in 1960. Over the years, the department has progressed both in infrastructure facilities and faculty. The department has highly qualified and experienced faculty, supported by experienced technical staff and well equipped laboratories attached to different divisions. The department offers 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.

Faculty

S.No.	Name	Designation	Qualification	Area of specialization
1	Dr.A.R.Dar	Professor and Head	Ph.D	Water Resources Engineering
2	Dr.M.A.Lone	Professor	Ph.D	Structural Engineering
3	Dr.S.R.Shah	Professor	Ph.D	Water Resources Engineering
4	Dr.J.A.Bhat	Professor	Ph.D	Structural Engineering
5	Dr.M.A.Ahanger	Professor	Ph.D	Water Resources Engineering
6	Dr.A.Q.Dar	Professor	Ph.D	Water Resources Engineering
7	Dr,M.S.Mir	Professor	Ph.D	Transportation Engineering
8	Dr.M.A.Tantary	Professor	Ph.D	Structural Engineering
9	Er. F. A. Mir	Assc. Professor	M.Tech.	Geotechnical Engineering
10	Dr. J.M.Banday	Assc. Professor	Ph.D	Structural Engineering

11	Dr. J.A.Naqash	Assoc. Professor	Ph.D	Structural Engineering
12	Er.Danish Ahmad	Associate Professor	M.E	Water Resources Engineering
13	Dr.M.Y.Shah	Associate Professor	Ph.D	Geotechnical 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 = 19				

R&D Work:

I. Papers Published by the Staff

S. No.	Name of the Staff Member	Title of the Paper	Conference/ Journal etc. where Published/ Accepted	Date of Publication
1	Dr. A. R. Dar	Application of Negative Stiffness Dampers for Controlling Structural Seismic Response	Journal on Structural Engineering (JSTE) ISSN 2278-7887(Print), ISSN(Online) 2320-2343	(Accepted for Publication)
2	Dr. A. R. Dar	Experimental Validation of the Remedial Measure proposed for Rehabilitation of a Steel Roof Truss	Jordan Journal of Civil Engineering, ISSN 1993-0461(Print), ISSN(Online) 2225-157X	(Accepted for Publication)
3	Dr. A. R. Dar	Experimental Study on Innovative Sections for Cold Formed Steel Beams	Steel and Composite Structures, An International Journal, Vol 19, Issue 6, ISSN(Print):1229-9367, ISSN(Online):1598-6233, pp 1599-1610	January 2016

4	Dr. A. R. Dar	Experimental Investigations on the Structural Behaviour of a Distressed Bridge	Structural Engineering and Mechanics, An International Journal, Vol 56, Issue 4, ISSN(Print):1225-4568, ISSN(Online):1598-6217, pp. 695-705	November 2015
5	Dr. A. R. Dar	Theoretical Design of Innovative Cold Formed Steel Beam Sections	International Journal of Scientific World, Vol 3, Issue 2 (2015), ISSN 2278-7887(Print), ISSN(Online) 2320- 2343, pp.255-266	September 2015
6	Dr. A. R. Dar	Flexural Behaviour of Stiffened Modified Cold-Formed Steel Sections– Experimental Study	International Journal of Civil Engineering & Technology, ISSN 0976 – 6308 (Print),ISSN 0976 – 6316(Online),Volume 6, Issue 9, pp. 104-115	September 2015
7	Dr. A. R. Dar	A Study on Seismic Vulnerability Assessment of a College Building in India	International Journal of Engineering Trends & Technology, Volume 24, No. 4, ISSN: 2231 – 5381,pp 191-197	July, 2015
8	Dr. A. R. Dar	Investigation on the Properties of Non-conventional Bricks	Journal on Structural Engineering (JSTE),Vol 3, Issue 4, ISSN2278-7887(Print), ISSN(Online) 2320-2343, pp. 26-35	July 2015
9	Dr. A. R. Dar	Seismic Evaluation of a Masonary Building A Case Study	International Journal of Civil Engineering & Technology”, ISSN 0976 – 6308 (Print),ISSN 0976 – 6316(Online),Volume 4, Issue 5, , pp. 88-98,Journal Impact Factor (2013): 5.3277	June,2015
10	Dr. A. R. Dar	A Study on Seismic Vulnerability Assessment of a College Building in India	Proceedings of National Conference on Emerging Fields in Engineering & Science 2015, Kurukshetra University	April, 2015

11	Dr. A. Q. Dar	Using Artificial Neural Network for Real Time Flood Prediction in River Jhelum, J&K (India)	Elixir International Journal of Civil Engg Elixir Civil Engg. 82 (2015) 32710-32713	27 May 2015;
12	Dr. A. Q. Dar	Watershed Management of Dal Lake Catchment (J&K) Based on Erosion Intensity Hazard using Geospatial Technique	Elixir International Journal of Civil Engg Elixir Civil Engg. 83 (2015) 33255-33261	10 March 2015;
13	Dr. A. Q. Dar	Morphometric Analysis of Micro-Watersheds of Dal Lake Catchment (J&K) using Geospatial Techniques major	Elixir International Journal of Civil Engg Elixir Civil Engg. 80 (2015) 31028-31034	22 June 2015;
14	Dr. A. Q. Dar	An empirical formula to estimate rainfall intensity in Kupwara region of Kashmir Valley, J & K , India	3rd International Conference on Science, Technology and Management (ICSTM-16) India International Centre, New Delhi	17 January 2016
15	Dr. A. Q. Dar	Intensity-duration-frequency relationships for different regions of Kashmir valley- j &k (india)	4 th international conference on advancements in engineering & technology (icaet-2016) Bhai gurdas institute of engineering & technology, sangrur - 148 001, punjab, india	(March 18-19, 2016)
16	Dr. Mohammad Shafi Mir	Evaluation and Strengthening of Reconstructed Roads Excavated for Utilities Using Benkelman Beam Deflection (BBD) Technique (A Case Study)	International Journal of Civil Engineering and Technology, Vol. 6, Issue 1, January 2015, pp. 27-38	2015
17	Dr. Mohammad Shafi Mir	Laboratory study on use of RAP material in WMA pavements using rejuvenator	Accepted for Publication in proceedings of 12 th International Conference on Transportation Planning and Implementation	2016

			Methodologies for Developing Countries (TPMDC), IIT Bombay, 19-21 Dec 2016	
18	Dr. Mohammad Shafi Mir	Laboratory Performance Evaluation Of Warm Mix Asphalt Additives For Cold Regions	Accepted for Publication in proceedings of 12 th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), IIT Bombay, 19-21 Dec 2016	2016
19	Dr. Mohammad Shafi Mir	Laboratory Evaluation of Modified Bituminous Mix Using Low Density Polythene	Publication in proceedings of 12 th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), IIT Bombay, 19-21 Dec 2016	2016
20	Dr. Mohammad Shafi Mir	Study on Travel Time Reliability Parameters in Srinagar City	Publication in proceedings of 12 th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), IIT Bombay, 19-21 Dec 2016	2016
21	Dr. M. Y. Shah	Earthquake induced liquefaction features in The Karewas of Kashmir Valley North West Himalayas, India: Implication to paleoseismicity	<i>International Journal of soil dynamics and earthquake engineering</i> , Vol. 90, pp-101-111	November 2016
22	Dr. B. A. Mir	Challenges associated with expansive soils and their remedial measures	Paper accepted in the International Journal of Geological Resources and	March 2016

			Engineering, In press-Paper No: JGRE2016419-1, pp. 1-10,	
23	Dr. B. A. Mir	Model Studies on Shear Behavior of Reinforced Reconstituted Clay	International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering-International Science Index-waset.org/Publication/ 10003706, pp. 87-94 Vol:10, No:1,	Jan. 2016, Paper count-199
24	Dr. B. A. Mir	Strength Behavior Of Clayey Soil Reinforced With Human Hair As A Natural Fibre	International Journal of Geotechnical & Geological Engineering, Springer, Netherland, pp. 411-417, DOI 10.1007/s10706-015-9953-x	, Nov. 2015
25	Dr. B. A. Mir	Some studies on the effect of fly ash and lime on physical and mechanical properties of expansive clay	International Journal of Civil engineering-Trans. B: Geotechnical Engineering - Geotechnique, pp. 203-212, Vol. 13, No. 3&4B,	September & December 2015
26	Dr. B. A. Mir	Some Studies on Engineering Behavior of Cement Stabilized Dredged Soil from Flood Spill Channel of Jhelum River Srinagar	Procc. of 50 TH IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT),, Pune, Mumbai, pp. 1-10, Paper No. 08, Vol. 1,	Dec. 17-19, 2015
27	Dr. B. A. Mir	Some Studies on Physical And Mechanical Behavior of Dredged Soil From Flood Spill Channel of Jhelum River Srinagar	Procc. of 50 TH IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT),, Pune, Mumbai, pp. 1-10, Paper No. 06, Vol. 1,	Dec. 17-19, 2015
28	Dr. B. A. Mir	Challenges Associated with Expansive Soils and Remedial Measures	Procc. of 50 TH IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT),, Pune, Mumbai, pp. 1-10, Paper No. 02, Vol. 1,	Dec. 17-19, 2015

II. Programmes Attended by Staff (Conferences/ Courses/ Trainings)

S. No.	Name of the Staff Member	Name of the Programme Attended	Institute Where Attended	Date
1	Dr.A.Q.Dar	3rd International Conference on Science, Technology and Management (ICSTM-16) Venue: India International Centre, New Delhi	India International Centre, New Delhi	17 January 2016
2	Dr.A.Q.Dar	4 th INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN ENGINEERING & TECHNOLOGY (ICAET-2016)	Bhai Gurdas institute of engineering & technology, sangrur - 148 001, punjab, india	(March 18-19, 2016)
3	Dr. M. S. Mir	Expert talk on 'Transportation Demand and Supply VERSUS Traffic Management and Safety' in the Seminar on Traffic Management, organized by Institute of Studies, Learning and Analysis (ISLA)	SKICC Srinagar, Jammu & Kashmir, India	Oct 17, 2015

III. Any other Activity / Achievement with Details

Dr. M. S. Mir

S. No.	Name of New Laboratory Developed	Nature of Development
1	Development of New Traffic Engineering Laboratory	Developed as a new lab. Arranged space and purchase of equipment for the same

Dr. B. A. Mir

	Workshops/Seminars Organized:	As a core committee member for organizing 5-days INSPIRE Internships sponsored by DST, GOI, since 2012 to 2015
	Delivered Theme Lecture in the 50 TH IGC-2015 on Expansive Soils, in Pune, Dec. 17, 2015	
	Membership in Scientific and Professional Societies	MASCE (USA), MISSMGE (UK), LMIGS, LMISTE, LMISCMS, LMISWE, LMICI, LMISRMTT, LMIE, LMICI, LMIIScAA, C.Engg (I), LMIITBAA, MUACSE (USA)
	Journal Reviewer	Ground Improvement ICE-UK, GEGE-Springer, Geotechnique-UK, IJGE-Ross Pub. USA, IJCE, Geomate-Japan, IJCECT,
	Editorial Board Member	<ol style="list-style-type: none"> 1. TPC Chair for the United Conference on Architecture, Design, Earth, Science and Geography (ADESG-2017) 2. For World Research Intl. Journal of Civil Engineering (WRJCLE) 3. <i>For International Scientific Committee and Editorial Review Board on Civil and Structural Engineering for World Academy of Science, Engineering and Technology</i> 4. For i-Manager`s Journal of Civil Engineering 5. For GEOMATE Technical Program Committee (TPC), Japan 6. For International Conference on Test, Measurement and Computational Method (TMCM2015)

V. Purchase Made

S. No.	Name of the Equipment/ Item	Date of Purchase	Amount of Purchase
1	Universal Penetrometers (2 No)	18-02-2015	16000/=
2	Deep Freezer Blast Type (1 No.)	07-10-2015	337500/=
3	Bulk Density Apparatus (1 No.)	18-02-2015	7500/=
4	Multi-purpose Stirrer (1 No.)	18-02-2015	14000/=
5	Traffic Recording Camera (1 No.)	21-09-2015	4,50,000/=
6	Traffic Visual Display Unit (1 No.)	21-09-2015	73125/=
7	Traffic Data Analysis Machines (3 No.)	21-09-2015	189000/=
8	Electronic Digital Top balances, Cap 1 kg (1 No)	18-02-2015	16000/=
9	All Geotechnical Suite- Oasys Software: 10 programs	March 2016	10,52,150.40

4.1.2 DEPARTMENT OF MECHANICAL ENGINEERING

Head: Prof. G.A. Harmain

Introduction

Established in 1963, the Department of Mechanical engineering has one B. Tech and two M. Tech programmes. 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 highly qualified and experienced faculty. Most of the outgoing students are recruited by reputed organizations during campus placement every year.

Faculty

S. No	Name of Faculty Member	Designation	Qualification	Research Areas
1.	Prof. G.A. Harmain	HOD	Ph.D	Wave Motion 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	Professor	Ph.D.,	Tribology
5.	Dr. M. Marouf Wani	Professor	Ph.D	Combustion, Alternative fuels, Emission control
6.	Dr. N. A. Sheikh	Professor	Ph.D	Aircraft wing vibration, Smart Structures
7.	Mr. Babar Ahmad	Professor	Ph.D.	MEMS, Ultrasonic transducer
8.	Mr. Adnan Qayoum	Professor	Ph.D.	Heat Transfer
9.	Mr. Shahid Saleem	Assc. Professor	M. Tech	Tribology of brake systems,
10.	Mr. Saad Parvez	Assc. Professor	M. Tech	Manufacturing strategy,

11.	Mr. Gulam Muhammad	Assc. Professor	M. Tech	Mechatronics
12.	Mr.Muhammad Hanief	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 = 06				

R & D work

Enclosed kindly find herewith Annual report for the year 2015 to 2016 (01.04.2015 to 31.03.2016) of the Mechanical Engineering Department for further processing at your end

I. Papers published by the Staff:

Prof. Dr. G.A Harmain

Journal Publication

1. **AzherJameel and G. A. Harmain**, “Modelling and Numerical Simulation of Fatigue Crack Growth in Cracked Specimens Containing Material Discontinuities”, **Strength of Materials (Springer)**, Vol 48, No 2, March 2016.
2. **AzherJameel and G. A. Harmain**, “Fatigue Crack Growth in presence of material Discontinuities by EFGM”, **International Journal Of Fatigue (Elsevier)**, Vol. 81, pp.105-116, 2015
3. **Najar, F A and G. A. Harmain**, “Thermal effects for conventional and water cooled thrust bearings using finite difference method: Comparative Analysis”, **International Journal iof Precision Technology**, Vol 5.1, Pp 14-26, 2015.

Conference Papers

1. **AzherJameel and G. A. Harmain**, “Applications of XFEM, EFGM and coupled FE-EFG Techniques in solving Fracture Mechanics Problems”, **Proceedings of the 60st Congress of Indian Society of Therotical and Applied mechanics (An International Conference) to be held at VIT University of Vellore, India.Dec 16-19, 2015**
2. **Farooq Ahmad Najar and G. A. Harmain**, “Thermoelastic distortion and its control in thin flim hydrodynamic lubrication thrust bearings”, **in the Proceedings of STLE Annual Meeting and Exhibition, Dallas, texas, USA, 2015.**

3. **Farooq Ahmad Najar and G. A. Harmain**, "Life Cycle Assessment for Hydroelectric Power Plant Thrust Bearings", **JK Science Congress, 2015, ISBN: 978-93-82288-87-9**
4. **Junaid Hassan Masoodi & G. A. Harmain**, "Sediment Erosion in Francis Runner: A Case Study of Uri Hydropower Station", **JK Science Congress, 2015, ISBN: 978-93-82288-87-9.**
5. **Ankush Raina and G. A. Harmain**, "Aerodynamic Drag Reduction by passive Flow Control", **Proceedings of 60th Congress of ISTAm (<http://istam.iitkgp.ac.in>), held at MNIT, Jaipur-302017, Rajasthan, India.**
6. **Rishi Sharma, Gagandeep, Ankit Kumar, Vikram Singh, Vijay Kumar Meena and G. A. Harmain**, "Simulating the Bending Strength And Bending Stiffness of Distal Tibial Plates By Finite Element Analysis", **National Conference on Statistics and Analytical Methods in Production and Industrial Engineering, PEC, SAMPIE**
7. **Saad Parvez, G.A. Harmain**, "A framework for evaluation & categorization of suppliers in an automobile manufacturing firm", **International Conference on Trends in Industrial and Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, (IC TIME 2016), February 4-6, 2016.**
8. **Saad Parvez, G.A. Harmain**, "Supplier categorization using MCDM & cluster analysis techniques: an application from Indian automobile manufacturing firm", **International Conclave on Innovations in Engineering & Management, Oman Vision 2020: Opportunities & Challenges, (ICIEM-16, pp. 223-231), 24-25 February, 2016.**

Prof. Dr. M. F. Wani

Journal Publication

1. **SUBRATA KR. MAITHI¹, SOUMYA SARKAR², M. FAROOQ WANI and PROBAL KR. DAS**, "Mechanical and Tribological Performance of Graphite/Silicon Nitride Composites: A Comparison between Pressureless and Spark Plasma Sinter Processing," **Metallurgical and Materials Transactions A, 2015, Vol 46(A), 5719-5726.**
2. **M Haneef and M F Wani**, "Modelling and Predicting of Surface roughness for running-in wear using Guas Newton algorithm and ANN," **Applied Surface Science, Dec, 2015**
3. **M. F. Wani and Syed Danish Fayaz**, "High temperature tribological characterization of Nanosized Si₃N₄ +5% BN," **International Journal of Advances in Engineering & Technology, Feb., 2015. pp. 8 -13.**

Conference Papers

1. **M. Hanief, Nitin Badyal, M S Charoo, M F Wani, Mushtaq A Rather**, Tribological characteristics of waste rubber-derived oil as lubricant, **ICEMS-2016, JNU Jaipur, India.**

Dr. Hanief

Journal Publication

1. **M. Hanief, M. F. Wani**, *Modeling and prediction of surface roughness for running-in wear using Gauss-Newton algorithm and ANN*, ***Applied Surface Sciences***, ELSEVIER, <http://dx.doi.org/10.1016/j.apsusc.2015.10.052>

Conference Papers

1. **M. Hanief, Nitin Badyal, M S Charoo, M F Wani, Mushtaq A Rather**, Tribological characteristics of waste rubber-derived oil as lubricant, **ICEMS-2016**, JNU Jaipur, India.
 2. **M. Hanief**, "Tribological Characteristics of En8 and En24 Stell against Aluminium Alloy 6061 under lubricated Condition", International Conference on materials Science & Technology-2016, www.vbripress.com/icmtech
-

Dr. M.S.Charoo

Conference Papers

1. **M.S.Charoo**, "Tribological Characteristics of EN8 and EN24 Steel against Aluminium Alloy 6061 under Lubricated Conditions", **International Conference on materials Science & Technology-2016**, www.Vbripress.com/icmteh DOI: [10.5185/icmtech.2016](https://doi.org/10.5185/icmtech.2016).
 2. **M.S.Charoo**, ""Tribological Characteristics of MoS₂ particle as Lubricant additive on EN31 Alloy Steel and AISI 52100 Steel Ball", ", **International Conference on Materials Jaipur National University, jaipur, India**
-

Saadparvez

Journal Publication

1. **SaadParvez, Prateek Gaur, Abhishek Paliwal, Naimish Srivastava, Hemant Singh, Amitesh Kr. Chaudhary**, "Strategy For Reducing The Waiting Time of Airline Passengers Using Queuing Theory", © Research India Publications; <http://www.ripublication.com/ijaer.htm>, **International Journal of Applied Engineering Research**, ISSN 0973-4562 Vol. 10 No.78 (2015).

Conference Papers

1. **SaadParvez, G.A. Harmain**, "A framework for evaluation & categorization of suppliers in an automobile manufacturing firm", **International Conference on Trends in Industrial and Mechanical Engineering**, Maulana Azad National Institute of Technology, Bhopal, (IC TIME 2016), February 4-6, 2016.

2. **SaadParvez, G.A. Harmain**, "Supplier categorization using MCDM & cluster analysis techniques: an application from Indian automobile manufacturing firm", **International Conclave on Innovations in Engineering & Management, Oman Vision 2020: Opportunities & Challenges**, (ICIEM-16, pp. 223-231), 24-25 February, 2016.
 3. **AfreenNissar, SaadParvez, Rohan Ashraf**, "Application of Monte Carlo simulation technique to system reliability analysis in a cement plant", **The International Conference on Computer Aided Engineering, Department of Mechanical Engineering, GITAM University, Hyderabad Campus**. 2015, December 10-12, 2015, pp. 421-423.
-

Dr. Adnan Qayoum

Journal Publication

1. **Dr. Adnan Qayoum**, "Combined Influence of Synthetic Jet and Surface Mounted rib on Heat Transfer in a Square Channel", **Journal of Heat Transfer (Transactions of ASME)**. Dec 2015

Conference Papers

1. **Dr. Adnan Qayoum**, "Effect of Repeated Permeable Ribs on Heat Transfer in a two Pass Square Channel", **1st International ISHMT – ASTFE Heat and Mass Transfer Conference, ISRO Trivandrum**. Dec 2015.
 2. **Dr. Adnan Qayoum**, "Comparison of a CFD Model and a Lumped Element Model of a Synthetic Jet Actuator in a Quiescent Flow", **42nd national Conference on fluid Mechanics and Fluid Power, NIT Suratkal**. Dec 2015
 2. **Dr. Adnan Qayoum**, "Heat Transfer and Pressure Drop Analysis for a Flow through a Two Pass Square Channel with Various Rib Shapes", **42nd national Conference on Fluid mechanics and Fluid Power, NIT Suratkal**. Dec 2015
-

Prof. Dr. Sheikh Nazir

Journal Publication

- 1 **K. A. Najari*, M. A. Shah and N. A. Sheikh**, " Integrity of CVD-Diamond Coatings on Cemented Tungsten Carbide Substrate: Mathematical Analysis carried out for Calculating the Force of De-lamination and Load Bearing Capacity of Coating-substrate System", **Elixir Nanotechnology 90 (2016) 37463-37467**.
- 2 **Kaleem Ahmad Najara*, Nazir Ahmad Sheikha, Sajad Dina, Mohammad Ashraf Shah**, "Effect of CVD-diamond coatings on the tribological performance of cemented tungsten carbide substrates", **Malaysian Tribology Society (MYTRRIBO), 1-03-2016**

Conference Papers

1. **Kaleem Ahmad Najar, Mohhd Ashraf Shah & Nazir Ahmad Sheikh**, “Development of CVD Diamond Coated WC Co tools for enhancing Tool Life in the machining of Hard Metallic Alloys or Ceramics”, **Proc of International Conference on Nanotechnology for Better living, 2016 , NBL-2016, Vol.3, No.1p, 72.**
2. **Sajad Hussain Din, M. A. Shah, N. A. Sheikh**, “Improvement in the Mechanical and Tribological Properties of Titanium Alloy (Ti6Al4V) by dual Layer Diamond Coating”, **Proc of International Conference on Nanotechnology for better Living 2016 , 2016, Vol.3, No.03, p: 4.**

II. Programme attended by Staff (Conferences/Courses/Trainings)

S.No.	Name of the staff member	Name of the programme Attended	Institute where Attended	Date
01	Prof. Sheikh Nazir	<i>Faculty Development</i>	IITM Gwalior	18-22 Jan 2016
03	ShahidSaleem	Condition Monitoring using Oil analysis	Petrolabs, Hyderabad	22 nd -23 rd April 2015
04	ShahidSaleem	Two- day workshop “INSIDE RAMAN”	IISER Mohali, Chandigarh	10 th - 11 th Dec 2015
05	Sheikh Gulam Mohamad	GIAN	IIT Kharagpur	Nov. 30 to Dec.12,2015

III. Programmes Conducted by the Staff:

S.No.	Name of the programme	Date when conducted	Name of Co-ordinator	
1	Alumni Meet 2015	21-23 May 2015	Aijaz A Mir, ShahidSaleem,...	160

IV. Any other Activity/Achievement with details:

Prof. Dr. G.A Harmain

1. Member of All India Board of Undergraduate Studies in Engineering & Technology from 24-05-2016 for a period of 3 years
2. One of the Ph.D. Candidates namely Farooq Ah. Najar, conferred with Young Scientist Award, International Travel Grant by Scientific Engineering Research Board (SERB), Department of Science of Technology , Govt. of India

3. Serving as a Board Member of Research Studies BORS since 2002-
4. Member Departmental Monitoring Committee(Chemical Engineering Department)
5. Member of National Advisory Council for IVthInternational Conference on Production & Industrial Engineering (CPIE- 2016)Dr. B. R.Ambedkar National Institute of Technology, Jalandhar (December 19-21, 2016).
6. Member of Local Advisory Committee for Third International Conference on Nanotechnology for Better Living held
7. Member of National Advisory Board ICCMEET 2016.
8. Member of Advisory Committee for incubation centre NIT, Srinagar

Er.SheikhShahidSaleem:

1. Coordinator M Tech., Mechanical System Design, MechanicalEngg. Deptt.
2. Deputy Superintendent JEE Preliminary 2015
3. Member CPC
4. Coordinator exams for CET 2015.
5. Deputy Superintendent for conduct of CBSE UGC (NET) Exam
6. Member organizing committee AMMP 15 Metallurgy conference
7. Digital India Week Aug 2015 Member core committee
8. Coordinator J&K Bank online exam (first time in Bank history). 4 sessions each day for 3 days
9. Member BOS for Metallurgy and Materials Science 2015.
10. Member Organizing Committee two days TEQIP Workshop on Metallurgical and Materials Curriculum (TWMMC - 15) (held at NIT Srinagar in collaboration with IIT Kanpur
11. Deputy Superintendent for conduct of SSB exams on 17 - 18th Oct 2015 for J E's and Matric Discipline
12. Jury Member for the theme "Next-Gen Abode - The Future House" organized by IIED Centre NIT Srinagar
13. Member Mechanical Works Committee Constituted by BWC, NIT Srinagar, Order Nor 33 of 2015 dated 03-11-2015
14. Deputy Superintendent for conduct of SSB exams on 05 & 6 Dec 2015 for Tourist Officer etc FP/HFW, TSO etc.
15. Officer-In-Charge Winter 2015 Examinations, Institution of Engineers (INDIA) 5th - 11th Dec 2015
16. Deputy Superintendent for conduct of SSB exams on 25th Dec 2015 for Graduate level Posts
17. Deputy Superintendent for conduct of UGC (NET) Exam on 27th Dec 2015

V. Purchases made:

S.No.	Name of the made:equipment/item	Dated of purchase	Amount of purchase
01	Printer. HP Printer Toner White Board Calculator 3KVA UPS	1.7.2015	Rs 54000/= Rs3000/= Rs3000/= Rs1000/= Rs15000/=
02	ComsolMultiphysics	07-12-2015	Rs 10,41,600.00
03	Equipments for Fluid Mechanics lab (Bernoulli's Apparatus, Reynolds Apparatus, Venturimeter/Orificemeter, Losses in Pipe apparatus, Orifice and Mouthpiece apparatus, Flow visualization in water channels)	20-11-2015	Rs 2,04,607.00
04	Equipments for Thermal Lab (Centrifugal Blower Test Rig, Air Conditioning Cycle Test Rig, Refrigeration Cycle Test Rig, Cooling Tower Test Rig, Window Air Conditioning Test Cut Section Model, Axial Flow Fan Test Rig)	03-12-2015	Rs 3,73,048.00
05	3-Channel Hot Wire Anemometer System	07-08-2015	USD 50,000+ Rs 3,22,400.00
06	Data acquisition Cards from National Instruments for Temperature, pressure, etc measurements	14-03-2016	Rs. 19,65,313.00
07	Electro spinning m/c components	July 2015	Rs.85000/-
08	Reciprocating Sliding attachment for tribometer	10 th June,2015	Rs.12,90,000/-
09	IBM SPSS Statistics Base 23.0 – 10 Users	25 th June,2015	Rs.5,68,530/-
10	Thrust Bearing Test Rig M/s Decom instruments Pvt. Ltd.	27 th Feb, 2016	Rs. 59, 49721/-

4.1.3. *DEPARTMENT OF ELECTRICAL ENGINEERING*

Head: Prof. Aijaz Ahmad

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. Aijaz Ahmad	Professor & HOD	Ph. D	Power System Optimization,
2	Dr. M. D. Mufti	Professor	Ph. D	Intelligent Control, of Electrical Energy Systems
3.	Dr. S. A. Lone	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	Ph.D.	Control & Automation
	Number of Faculty Members engaged on Contractual basis = 07			

R&D Work

I. Papers Published from 01-04-2015 to 31-03-2016.

S. No	Name of Staff Member	Title of the Paper	Conference / Journal etc where published	Date of Publishing
1	Dr. Aijaz Ahmad	An Improved Control Approach for Three-Phase Improved Power Quality Converter for Unbalanced AC Mains (Journal)	Asian Power Electronics Journal.	Accepted in 2016
2	Dr. Aijaz Ahmad	A Novel Adaptive Control Approach for Three-Phase Improved Power Quality Converter Under Distorted and Unbalanced AC Mains. (Journal)	International Journal of Industrial Electronics & Drives	Accepted in 2016
3	Dr. Aijaz Ahmad	Performance Evaluation of a Three-Phase Improved Power Quality Converter under Unbalanced Mains Conditions (Journal)	International Journal of Scientific and Technical Advancements, 2015, pp. 17-21	2015
4	Dr. Aijaz Ahmad	Generalised Weighted Least Square Based Modified Space Vector Pulse Width Modulation for AC/DC Converter under Supply Perturbation (Conference)	IEEE International conference (ICPEICES 2016) at DTU,	4-6 July, 2016
5	Dr. Aijaz Ahmad	Fuzzy Logic Controlled Three-Phase Improved Power Quality Converter For Disturbed AC Mains (Conference) National conference and Exhibition on Emerging and Innovative Trends in Engineering Technology (NCEEITET, 16)	GCET Jammu	11-12 Nov. 2016.
6	Dr. Aijaz Ahmad	Modified Space Vector Control Approach for Improved Power Quality Converter Under Supply and Load Perturbation	3rd International conference on Recent Trends and Advancements in Engineering & Technology (ICRTAET), (Conference)	17-18 Nov. 2016.

S. No	Name of Staff Member	Title of the Paper	Conference / Journal etc where published	Date of Publishing
1	Dr. M. D. Mufti	Supervisory Adaptive Predictive Control Scheme for Super Capacitor Energy Storage System,	IEEE System Journal, Vol.9, No.3	September 2015
2	Dr. M. D. Mufti	Modelling and Control of Wind Solar Hybrid System Using Energy Storage System	IEEE Conference Galgotia University U.P	Presented in April 2016

S. No	Name of Staff Member	Title of the Paper	Conference / Journal etc where published	Date of Publishing
1	Dr. S. A. Lone	Supervisory Adaptive Predictive Control Scheme for Super Capacitor Energy Storage System,	IEEE System Journal, Vol.9, No.3	September 2015
2	Dr. S. A. Lone	Modelling and Control of Wind Solar Hybrid System Using Energy Storage System	IEEE Conference Galgotia University U.P	Presented in April 2016

S. No	Name of Staff Member	Title of the Paper	Conference / Journal etc where published	Date of Publishing
1	Dr. A. H. Bhat	An Improved Control Approach for Three-Phase Improved Power Quality Converter for Unbalanced AC Mains (Journal)	Asian Power Electronics Journal.	Accepted in 2016
2	Dr. A.H. Bhat	A Novel Adaptive Control Approach for Three-Phase Improved Power Quality Converter Under Distorted and Unbalanced AC Mains. (Journal)	International Journal of Industrial Electronics & Drives	Accepted in 2016
3	Dr. A.H. Bhat	Power Quality Improvement using Voltage Source Converter (VSC) based Unified Power Quality Conditioner (UPQC) (Journal)	International Journal of Computer Applications (0975 – 8887) Volume 148 – No.1,	August 2016
4	Dr. A.H. Bhat	Shunt Hybrid Power Filter for Harmonic Reduction to Improve Power Quality using PI and Hysteresis Controller (Journal)	International Journal of Computer Applications (0975 – 8887) Volume 147 – No.4,	August 2016

5	Dr. A.H. Bhat	Comparative Analysis of Shunt Active Filter with PI controller and ANN based Controller (Journal)	International Journal of Computer Applications (0975 – 8887) Volume 147 – No.4,	August 2016
6	Dr. A.H. Bhat	Performance Evaluation of Multilevel AC/DC Converter for Power Quality Improvement with DC Bus Capacitor Voltage Balancing (Journal)	IOSR Journal of Electrical and Electronics Engineering, vol. 11, issue 4, pp. 25-31	July-Aug 2016,
7	Dr. A. H. Bhat	Performance Evaluation of a Three-Phase Improved Power Quality Converter under Unbalanced Mains Conditions (Journal)	International Journal of Scientific and Technical Advancements, 2015, pp. 17-21	2015
8	Dr. A. H. Bhat	Performance Evaluation of Fuzzy Logic Controlled Voltage Source Inverter Based Unified Power Quality Conditioner for Mitigation of Voltage and Current Harmonics (Conference)	ICACCI IEEE conference	Sep. 21-24 2016 Jaipur India
9	Dr. A. H. Bhat	Multilevel Inverter Based STATCOM For Simultaneous Compensation of Reactive Power And Active Power (Conference)	IEEE International conference (EEECOS)-2016,	1-2 june, 2016.
10	Dr. A. H. Bhat	Power Quality Improvement and Reactive Power Compensation in a Grid Connected System for Non-Linear Loads Using STATCOM. (Conference)	IEEE International conference (EEECOS)-2016,	1-2 june, 2016.
11	Dr. A. H. Bhat	Generalised Weighted Least Square Based Modified Space Vector Pulse Width Modulation for AC/DC Converter under Supply Perturbation (Conference)	IEEE International conference (ICPEICES 2016) at DTU,	4-6 July, 2016
12	Dr. A. H. Bhat	Reactive power compensation using static synchronous compensator (STATCOM) with conventional control connected with 33kV grid (Conference)	2015 2nd International Conference on Recent Advances in Engineering & Computational Sciences (RAECS) Pages: 1 5,	Year: 2015
13	Dr. A. H. Bhat	Performance evaluation of a three phase shunt active power filter for power quality improvement (Conference) Recent Developments in Control, Automation and Power Engineering (RDCAPE), 2015	International Conference on Year: 2015Pages: 214 219,	2015
14	Dr. A. H. Bhat	Comparative Analysis of Pulse Width Modulated Voltage Source Inverter Fed Induction Motor Drive with Matrix	IEEE International conference (ICPEICES 2016) at DTU,	4-6 July, 2016

		Converter Fed Induction Motor Drive (Conference)		
15	Dr. A. H. Bhat	Fuzzy Logic Controlled Three-Phase Improved Power Quality Converter For Disturbed AC Mains (Conference) National conference and Exhibition on Emerging and Innovative Trends in Engineering Technology (NCEEITET, 16)	GCET Jammu	11-12 Nov. 2016.
16	Dr. A. H. Bhat	Modified Space Vector Control Approach for Improved Power Quality Converter Under Supply and Load Perturbation	3rd International conference on Recent Trends and Advancements in Engineering & Technology (ICRTAET), (Conference)	17-18 Nov. 2016.

S. No	Name of Staff Member	Title of the Paper	Conference / Journal etc where published	Date of Publishing
1	Dr. S.J. Iqbal	Supervisory Adaptive Predictive Control Scheme for Super Capacitor Energy Storage System,	IEEE System Journal, Vol.9, No.3	September 2015

S. No	Name of Staff Member	Title of the Paper	Conference / Journal etc where published	Date of Publishing
1	Dr. M. A. Bazaz	Sensorless control of permanent magnet synchronous motor drive using unscented Kalman filter	International Journal of Industrial Electronics and Drives	June 2015
2	Dr. M. A. Bazaz	Sensorless control of PMSM drive using extended Kalman filter and fuzzy logic controller	International Journal of Industrial Electronics and Drives	June 2015
3	Dr. M. A. Bazaz	Direct Torque Control of Induction Motor Drive with Flux Optimization	International Conference on Advances in Computing, Communications and Informatics, ICACCI-2015	August 2015
4	Dr. M. A. Bazaz	Neural Network Modulation for a Direct Torque Controlled Induction Motor Drive	IEEE SCORed, Malaysia	December 2015
5	Dr. M. A. Bazaz	Neural Network Observer Design for Sensorless Control of Induction Motor Drive	ACODS 2016	February 2016

6	Dr. M. A. Bazaz	Comparative Analysis of Speed Control Strategies for Vector Controlled PMSM Drive	IEEE conference on ICCCA	April, 2016
7	Dr. M. A. Bazaz	Sensorless Control of PMSM Drive using Neural Network Observer	IEEE conference on PEICES	July 2016
8	Dr. M. A. Bazaz	Sensorless Control of PMSM Drive with Neural Network Observer using a Modified SVPWM strategy	Advances in Intelligent Systems and Computing Series	August 2016
9	Dr. M. A. Bazaz	ANFIS Based Speed Controller for a Direct Torque Controlled Induction Motor Drive	Advances in Intelligent Systems and Computing Series	August 2016
10	Dr. M. A. Bazaz	Implementation of Hybrid Fuzzy Sliding Mode Controller for Power System Stability	IEEE international conference on ICEPES	December 2016

II. Programmes Conducted (Conferences / Courses / Trainings) from 01-04-2015 to 31-03-2016: NIL

S.No	Name of the Programme	Date when conducted	Name of Coordinator(s)	No & background of participants
1	Modelling & Simulation of Large Scale Systems	April 3-8 2015	Dr. M. A Bazaz	40 Faculty members and Research Scholars of the country.

III. Purchases Made from 01-04-2015 to 31-03-2016

S.No	Name of Equipment	Date of Purchase	Amount of Purchase (amount in Rs.)
1	MiPower-Power System Analysis and Simulation Software Package	20-05-2015	Rs.5,89,300/-
2	One Phase Current Range 2.5/5A Low Power Factor 150/300/600 V (Watt Meters) 5 Nos One phase Current Range 5/10A HPF 150/300/600 5 Nos. Three Phase Element Watt. Meters Range 5/A, 10/A, 250 / 500 V 04 Nos.	12-05-2015	Rs.60,112/-

4.1.4. DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Head: Prof. G. M. Rather

Introduction

The Department of Electronics & Communication Engineering was established in the year 1984. The department conducts a four (04) years under-graduate 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.

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 & HOD	Ph. D	Digital Communication & Networking
3	Dr. Najeeb-u-Din	Professor	Ph. D	Silicon-on-Insulator (SOI) MOS devices
4	Mrs. Usha Razdan	Assc. Professor	M. Tech	Computer Science
5	Mr. A. A. Mir	Assc. Professor	M. Tech	Computer Technology
6	Mrs. Farida Khurshid	Assc. Professor	M. Tech	Image Processing & Pattern recognition

7	Mrs. Gausia Qazi	Assoc. Professor	M. Tech	Optical Fiber Comm.
8	Mr. A. G. Mir	Assoc. Professor	M. Tech	Comm & I. T.
9	Mr. G. R. Beigh	Assistant Professor	M. Tech	Communication Systems
Number of Faculty Members engaged on Contractual basis = -				

R&D Work

I.. Papers published (Prof.A.H.Mir)

S. No	Title of the Paper	Conference/Journal etc. where published	Date of Publish
1	Personal Verification using dual fusion scheme based on ear and iris biometrics	<i>International Journal of computing and digital systems (IJCDS)</i>	March-2016
2	Reduction of Out of Band Radiation using Modified Constellation Expansion in OFDM based cognitive Radios	<i>International Journal of Computing & Network Technology (IJCNT)</i>	July-2016
3	Advanced prediction based mobility in 6 LowPan WSN	<i>Internatiuonal Journal of Information Technology & Computer Science</i>	October-2016
4	OFDM for Cognitive Radios: An overview Present Solutions and Future Directions	<i>International Journal of Computing and Digital Systems</i>	October-2015
5	Comparative study of Time Series model based techniques for personnel verification using ear biometrics	<i>International Journal of information processing (IJIP)</i>	August-2015
6	A comparative study on Left and Right Endocardium Segmentation using Gradient Vector Field and Adaptive Diffusion Flow Algorithms	<i>International Journal of Advanced Science and Technology, Volume 82.</i>	August-2015
7	Survey of Header Compression Techniques over Multiprotocol Label Switching (MPLS)	<i>International Journal of Computing and Network Technology,</i>	April-2015

		<i>Volume 4</i>	
8	<i>Texture and morphology based MRI brain image segmentation of pituitary gland</i>	<i>Elixir Digital Processing 79</i>	March-2015
9	Performance Analysis of Payload Header suppression (PHS) for transmission of VOIP over MTNS based IPv4/IPv6 Networks.	2 nd International Conference on Networks and information to be held in New York USA.	April-2016
10	EMS: Enhanced mobility scheme for controlled and lossy networks	International Conference: ICGCIoT held from 8 – 10 October 2015	October-2015

Besides above:

Under the Visvesvaraya Ph.D scheme of Govt. of India. The two Ph.D Research Scholars were enrolled. The Research Scholar will work towards the design of 2 integrated circuits. The design of the integrated circuits is being carried out under the Project “SMDP-C2S” of MoCIT of India.

II. Purchases Made from 01-04-2015 to 31-03-2016:

S. No	Name of the Equipment	Cost per unite	Purchase Date	Quantity
1	VSWR meter	Rs. 13,904/=	14-04-2015	One
2	Wireless Access Point	Rs. 12,442/=	24-04-2015	Two
3	4 GB DDR3 RAM	Rs. 14,400/=	09-05-2015	Two
4	Software Silva co TCAD	Rs. 14,77,000/=	25-05-2015	Complete Set
5	Laptop battery, Hard Disk and RAM 1 GB	Rs. 11,200/=	03-06-2015	One each
6	Stalled Line section, Tunable Probe	Rs. 11,917/=	17-06-2015	One each
7	VSWR meter, Pin Modulator, Slotted Section, E Plan Section, H. Plan Section, Pyramidal horn, Klystron mount.	Rs. 74,594/=	17-06-15	Two No's each
8	Storage Media 500 GB, Storage media 1 TB	Rs. 35,437/=	17-06-2015	Three No's each

9	Ink Jet MFP Printer	Rs. 14,500/=	25-06-2015	One No
10	GPS technology trainer, Blue tooth trainer, Rader trainer.	Rs. 2,80,799/=	09-07-2015	Two No each
11	Function Generator 3 MGHZ	Rs. 1,21,540/=	09-07-2015	20 Nos
12	Single Power supply	Rs. 96,040/=	09-07-2015	20 No
13	Function Generators 2 MHz	Rs. 60,770/=	09-07-2015	10 No
14	Analog Oscilloscope 30 MHz	Rs. 1,65,110/=	09-07-2015	10 No
15	Dual Power Supply	Rs. 1,61,360/=	09-07-2015	20.No
16	Digital Component Trainer Kit	Rs. 1,07,350/=	09-07-2015	10.No
17	PIN Modulator, Pyramid cam	Rs. 10,158/=	20-07-2015	01 each
18	Forensic Duplicator Kit	Rs. 2,60,000/=	31-07-2015	01.No
19	Signal Sampling Trainer, FSK Kit, WD Multiplxer	Rs. 89,290/=	06-08-2015	01 each
20	Satellite Comm Trainer, PAM, PCM, ASK, PSK,FSK,QPSK,DQPSK,DPCM,A DPCM,Function Generator,ect	Rs. 14,39,873/=	18-08-2015	63 items
21	Computer workstation Dell	Rs. 5,37,138/=	05-09-2015	04.No
22	Oscilloscope	Rs. 7,77,630/=	05-09-2015	46.No
23	Signal Analyzer	Rs. 22,01,593/-	05/09/2015	01 No.
24	LCR meter model	Rs. 10,40,266/-	21/09/2015	01 No
25	LCR meter model	Rs. 2,05,3651/-	21/09/2015	01 No
26	Universal software peripheral radio, MIMO cables, Antenna USRP, Lab view	Rs. 19,00,290/-	23/09/2015	29 items
27	Precision source measure unit, Power meter, CW power sensor, Std option CW power sensor	Rs. 14,67,188/-	23/09/2015	08 No
28	Vaccum coating BC 300, Multifilament torret, Flash evaporation assembly	Rs. 22,59,085/-	05/10/2015	01 No each
29	Analog Comm. Training system	Rs. 51,660/=	28/10/2015	03 No

30	Embedded design and Testing software and hardware boards, training solution mobile zigbee line bus	Rs. 15,52,418/-	30/10/2015	01 No each
31	Crewel curtains	Rs. 94,848/=	08-11-2015	76. No
32	Multimeters	Rs. 20,30,148/=	18-11-2015	40. No
33	Matlab Software	Rs. 1,32,827/=	18-11-2015	1.No Complete Bundal.
34	LED Display 18.5" Spike Buster Mouse Logitech	Rs. 7,250/= Rs. 750/= Rs. 550/=	19-11-2015	1.No Each
35	Signal Generator SMBV-B 106 9KHz to 6GHz SMBV-B10 Baseband Generator SMBV-B92 HARD Disc. SMBV-K22 Pulse Modulator SMBV-K23 Pluse Generator	Rs. 13,32,450/=	09-12-2015	1.No Each

4.1.5. DEPARTMENT OF CHEMICAL ENGINEERING

Head: Dr. F.Q.Mir

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 the Country and some belonging foreign countries like, Iran, Libya, Jordan, Palestine, Saudi Arabia and Sudan. 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 various Institutes and industries.

FACULTY

S.N o.	Name	Designation	Qualification	Area of specialization
01	Dr. Md N.S.Khan	Professor and HOD	PHD	Bio Chemical Engineering
02	Mr. F.Q.Mir	Assistant Professor	M-Tech	Membrane Science and Technology
03	Mr. T.R.Dar	Assistant Professor	BE	Chemical Engineering
04	Mr. M.A.Rather	Assistant Professor	M-Tech	Nano photocatalysis, Environment.
05	Mr. M.P.Ahmad	Assistant Professor	BE	Chemical Engineering
Number of Faculty Members engaged on Contractual basis = 04				

4.1.6 . DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING

Head: Dr. D. M. A. Khan

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 department conducts a four (04) years undergraduate 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 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 up-dating 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	Professor & HOD	Ph. D	Composite Materials, Process Metallurgy
3.	Er.Yashwant Mehta	Asstt. Prof.	M. Tech.	Corrosion Engineering Joining of Materials
4.	Dr. Atiqur Rehman	Asstt.Prof	Ph. D.	Nano-Structured Coatings, High temperature Coatings,
Number of Faculty Members engaged on Contractual basis = 04				

R&D Work:

I. Papers published:

S.No.	Name of the Staff Member	Title of the Paper	Conference/Journal etc. where published	Date of Publication.
1.	Mr. Yashwant Mehta Asstt. Prof	“Metallography of Fe-P-C and Fe-P-C-N Alloys”	Metallography, Microstructure and Analysis 4 pp-488	2015
		“Physical Simulation of Hot Deformation and Mocostructural Evolution of Fe-0.05C-0.13P”	Journal of Materials Engineering and Performance, 25 pp 1376.	2016
2.	Dr. AtikurRahman, Asstt Prof.	“Synthesis, Characterization and Photocatalytic Studies of La, Dy - doped ZnO nanoparticles,	Transactions of the Indian Institute of Metals	29 th April, 2016
		“ Study of nanostructured CeO ₂ Coatings on Superalloy,	Surface Engineering , Vol.26(10)2016,771-778	2016
		“ Study of nanostructured Co and Al co-doped ZnO films fabricated by electroless technique”	Surface Engineering , Vol.32(5),2016,372-377	2016
		“ Study of nanostructured Co and Al co-doped ZnO films fabricated by electroless	Surface Engineering Vol.32(5),2016,372-377	2016

		technique”		
		“Al doped ZnO nanostructured thin films: density functional theory and experiment”	International Journal of Nanoscience	Accepted & Published online on 13 April-2015,

II. Programmes attended by staff (Conferences/ Courses/ Trainings)

S.No.	Name of the Staff Member	Name of the Programme attended	Institute where attended	Date.
1.	Prof. Dr. D.M.A. Khan	STC on Bio Materials	IIT Kanpur	7-11 Dec., 2015
2.	Dr. AtikurRahman, Asstt Prof.	International Conference on Advances in Nanomaterials and Nanotechnologies (ICAA-2016)	JamiaMilliaIslamia, New Delhi	4-5 th Nov. 2016
		International Conference on Recent Trends in Energy Technology (ICRET-2016)	Haldia Institute of Technology, Haldia WB.	21-23 January, 2016.

III. Programmes conducted (conferences/Courses/Trainings)

S.No.	Name of the Programme	Date when conducted	Name of the Coordinator(s)	No. & Background of participants.
1.	Prof. Dr. D.M.A. Khan “Advanced Materials and Materials Processing “ (AMMP-15)	May 22-23,2015 At NIT Srinagar	Dr. AtikurRahman Asstt. Prof.	30 Participants from BARC, Kashmir University, IIT Kanpur and the Indian Institute of Metals Kolkata etc . Prof. Indronil Manna, Director, IIT was the Guest of Honor

2.	TEQIP Workshop on Metallurgical and Materials Curriculum in collaboration with IIT Kanpur.	8-9 Oct., 2015 at NIT Srinagar.	Dr. AtikurRahmanAsstt. Prof.	30 Participants from IIM,IITs, ITSE, NITs, PEC Chandigarh.
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IV. Any other activity/ achievement with detail:

1. Conducted NMD (National Metallurgist Day) on 12th Nov. 2015 by organizing Expert Lectures and Seminars.
2. Invited Prof. Abinandan (IISc, Bangalore), Prof. U.K. Chatterjee (The IIM), Prof.AsishGarg(IIT, Kanpur) Prof. Rajeev Shekhar (IIT KANPUR) for delivering expert lectures to the students and research scholars of the department.

V. Purchases Made:

S.No.	Name of the Equipment/Item	Date of Purchase	Amount of Purchase
1.	High Energy Ball Mill	30-03-2016	Rs. 7,45,916.52
2.	Hot Air Ovens (03) Nos	14-03-2016	Rs. 4,22,962.50
3.	Tube Furnace	04-01-2016	Rs. 3,50,600

4.1.7 . DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Head: M. Ahsan Chishti

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	Professor	Ph. D.	Network Security, System Design
2.	M. Ahsan Chishti	Assistant Professor	M. S.	Computer 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.

R&D Work

I. Papers published:

Patents:

Name of Inventor	Title	Patent No.
Mohammad Ahsan Chishti	Agent Based Secure Routing System for Complete Privacy	Indian Application Number: 1848/DEL/2015 A Dated: 22/06/2015 Publication Date (U/S 11a): 17/07/2015
Mohammad Ahsan Chishti	A method for robust header compression (ROHC) over Multiprotocol Label Switching (MPLS)	Indian Application Number: 2435/DEL/2015 Dated: 07/08/2015
Mohammad Ahsan Chishti and Shaima Qureshi	Wireless Mobile Charge Sharing	Indian Application Number: 4201/DEL/2015 Dated: 21/12/2015

Papers:

Name	Title of paper	Conf/Journal	Date
Roohie Naaz Mir	Technology Optimized Fixed-point bit-parallel Multiplier for LUT-based FPGAs	Int. J. High Performance Systems Architecture	Vol. 6, No. 1, 2016 pp 28-35.
Roohie Naaz Mir	High Efficiency generalized Parallel counters for Look-Up Table Based FPGAs	International Journal of Reconfigurable Computing	Oct 2015 DOI: 10.1155/2015/518272
Roohie Naaz Mir	Achieving Performance Speed-up in FPGA Based Bit-Parallel Multipliers using Embedded Primitive and Macro support	International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems	Vol. 4, No. 2 (2015) DOI: 10.11601/ijates.v4i2.115
Roohie Naaz Mir	Cost Effective Implementation of Fixed Point Adders for LUT based FPGAs using Technology Dependent Optimizations	International Journal of ELECTRONICS	VOL. 19, NO. 1, JUNE 2015.
Roohie Naaz Mir	Quality of Service in WSN – A Review	International Journal of Computer Applications ISBN : 973-93-80885-65-5	Volume 113 - Number 18 Year of Publication: 2015 DOI: 10.5120/19929-2072
Roohie Naaz Mir	A Constant Word-length Bit-Parallel Coordinate Rotation Digital Computer based Multiplier for Fixed-Point Digital Signal Processing Operations	International Journal of Information Technology and Electrical Engineering	Volume 4, Issue 1 February 2015 ISSN: - 2306-708X
Roohie Naaz Mir	High Efficiency Generalized Parallel Counters for Xilinx FPGAs	2015 IEEE 22nd International Conference on High Performance Computing	DOI 10.1109/HiPC.2015.41 pp 40-46
Roohie Naaz Mir	Technology Optimized Fixed-Point Bit-Parallel Multiplier for LUT Based FPGAs	IEEE SPONSORED 2 nd INTERNATIONAL CONFERENCE ON ELECTRONICS AND COMMUNICATION SYSTEMS (ICECS 06/2015)	978-1-4788-7225-8/15 ©2015 IEEE

Roohie Naaz Mir	Optimizing FPGA based Fixed-point Multiplier using Embedded Primitive and Macro-support	International Conference on Advances in Computers, Communication and Electronic Engineering	March 16-18, 2015, J&K, India. DOI: 10.13140/RG.2.1.2568.0727
Roohie Naaz Mir	FPGA Evaluation of Wave Front Allocator for crossbar based on-chip switches	International Conference on Advances in Computers, Communication and Electronic Engineering	March 16-18, 2015, J&K, India. ISBN: 978-93-82288-54-1 DOI: 10.13140/RG.2.1.3170.1843
Roohie Naaz Mir	A Cost Optimal Implementation of CORDIC Algorithm on Virtex-4 FPGAs using Technology Dependent Optimizations	2nd International Conference on “Computing for Sustainable Global Development”, (BVICAM), New Delhi (INDIA)	11th – 13th March, 2015 DOI: 10.13140/RG.2.1.4927.3688
Roohie Naaz Mir	Performance Evaluation of Different Allocation Algorithms using FPGA Platforms	IEEE Sponsored 2nd International Conference on Electronics and Communication Systems (ICECS 06/2015)	Coimbatore; DOI: 10.1109/ECS.2015.7125020
Mohammad Ahsan Chishti	Survey of Header Compression Techniques over Multiprotocol Label Switching (MPLS)	International Journal of Computing and Network Technology	Volume 4, No.2 (Apr-2015). ISSN: 2210-142X
Mohammad Ahsan Chishti	Hybrid Wireless Mesh Protocol in static IEEE 802.11s Networks	International Conference on Advances in Computers, Communication, and Electronic Engineering (COMMUNE 2015)	March 16-18, 2015 at university of Kashmir, Srinagar. ISBN 978-93-82288-54-1
Mohammad Ahsan Chishti	Performance Analysis of Traffic Engineering (TE) in IPv6 with IPv4 over Multi Protocol Label Switching (MPLS)	International Journal of Computing and Network Technology	Volume 3, No. 1, Jan. 2015. ISSN: 2210-1519

Mohammad Ahsan Chishti	Survey of Traffic Engineering mechanism with IPv6 over Multi Protocol label Switching (MPLS)	IEEE International Conference on Computing and Communications technologies (ICCCT'15)	Feb 26-27, 2015, Chennai
Mohammad Ahsan Chishti	Performance Analysis of Internet Protocol version 4 (IPv4) and Internet Protocol version 6 (IPv6) over MPLS	International Journal of Computing Network Technology (IJCNT)	issue 3, Vo l. 2, Sept, 2014.
Mohammad Ahsan Chishti	DiffServ-Aware Multi Protocol Switching based Quality of Service in Next Generation Networks	4th IEEE International Advanced Computing Conference (IACC 2014)	Feb 21-22, 2014 at ITM University Gurgaon.
Mohammad Ahsan Chishti	Seamless Handoff in WiFi & WiMax Wireless Heterogenous Networks	4th IEEE International Advanced Computing Conference (IACC 2014)	Feb 21-22, 2014 at ITM University Gurgaon.

II. Programmes conducted by staff:

1. Techkriti – Network & Cyber Security Championship 2016 IIT Kanpur & NIT Srinagar, 18-20th March 2016
2. Intellectual Property Rights and career opportunities by Arshid Ahmad Sheikh, Patent Attorney, Condo Roccia Koptiw, USA, 10-08-2015 at 12:00 noon.
3. MOU between NIT Srinagar and IEEE (USA) on 14th September 2015 at National Institute of Technology Srinagar. In this regard the signing ceremony was held in the CSE High Tech room on 14th September 2015 (Monday).

III. Any other activity/achievement:

Dr. Mohammad Ahsan Chishti, Assistant Professor & Head, Department of Computer Science & Engineering, National Institute of Technology Srinagar, Kashmir has been awarded the prestigious "**IEI Young Engineers Award 2015-2016**" in Computer Engineering Discipline by The Institution of Engineers (India) (IEI) in recognition of the contributions made by him in the field of computer engineering. The award consists of a

certificate and plaque. The award was given for his remarkable contribution with more than 50 research publications to his credit and 8 patents with two granted International Patents.

IV. **Purchases made:**

S.No	Bill No	Name of Items	Total	Amount
1.	180/29-4-2015	Microprocessor Kits	08.Nos	Through CPU
2.	3548/24-6-15	Vaccum Cleaner	01.Nos	Rs.11236.50/=
3.	245/23-7-15	USB Mouse	14.Nos	Rs.4,592/=
4.	024/15-7-2015	Wireless Access Point	01.No	Rs.12,075/=
5.	Nil (CPU)	Photostat Machine	01.No	Rs.1,85,000/=
6.	Nil (CPU)	Computers	50.Nos	Rs.25,70,050/=
7	Nil (CPU)	Information Kisok	02.Nos	Rs.2,49,000/=

4.1.8 . DEPARTMENT OF INFORMATION TECHNOLOGY

Head: Mr. Shabir Ahmad Sofi

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				

R&D Work:

Paper published:

S No.	Name of the Staff Member	Title of the Paper	Conference/ Journals where Published	Date of Publishment
1	Shabir Ahmad Sofi	"Data Compression in Wireless Visual Sensor Networks using Wavelets"	WiSPNET-2016	23 March, 2016
2	Shabir Ahmad Sofi	Bio Inspired Energy efficient adaptive clustering hierarchy algorithm for wireless sensor networks.	ICEECE- 2016	23 March 2016
3	Shabir Ahmad Sofi	Pollution monitoring of water bodies by Remote Sensing vs WSN	National Seminar on World Environmental Day (Kashmir University)	5 June 2015

4	Insha Altaf	An Effective Harmony Search Algorithm for solving optimization problems.	ICIIECS-2016	18, March,2016
5	Insha Altaf	Intrusion detection for Mobile Adhoc Networks	ICIIECS-2016	18, March,2016
6	Insha Altaf	Robust and efficient communication for decentralized and distraction tolerant networks.	ICIIECS-2015	18 April,2015
8	Insha Altaf	EMO Voice-Real time Emotion Recognition from Speech.	IJREST	27, Feb,2016
9	Insha Altaf	Comparison of modulation schemes for optimistic transmission and reception in dvb-s2 link.	International conference on sustainable development and technological innovation	23, Dec,2015
10	Insha Altaf	Design and analysis of modified playfair square cipher algorithm using 10 by 9 matrix with 'n' iteration followed by 'n' substitutions.	International Journal of Universal Science and Technology	Dec,2015
11	Insha Altaf	Vulnerability Assessment & Patching Management.	ICSCTI-2015	09, Oct, 2015

12	Insha Altaf	Survey on Parameter Estimation in Software Reliability	ICSCTI-015	09, Oct 2015
13	Insha Altaf	Survey on Selenium Tool in Software Testing.	ICGCIOT-2015	09,Oct,2015
14	Insha Altaf	Soil moisture content monitoring system.	IJRST	Oct,2015
15	Saniya Zahoor	Uniqueness in user behavior while using the web	ICICT,2015	09,Oct,2015
16	Saniya Zahoor	A framework to infer webpage relevancy for a user	ICTIS,2015	28, Nov, 2015
17	Saniya Zahoor	Petelcods– personalized television content delivery system : a leap into the set-top box revolution	ICTIS,2015	29 Nov,2015
18	Saniya Zahoor	Zone specific weather monitoring system using crowdsourcing and telecom infrastructure	ICIP,2015	16 Dec,2015
19	Saniya Zahoor	Personalization in user profiling – security and privacy issues	IOTA,2016	22 Jan, 2016
20	Neelam Khan	Efficient multi keyword synonym based Fuzzy ranked search over out sourced encrypted cloud data	ICACCT-2015	27 Nov. 2015

21	Insha Majeed	Intrusion detection for Mobile Adhoc Networks	ICIIECS-2016	18, March,2016
22	Insha Majeed	An Effective Harmony Search Algorithm for solving optimization problems.	ICIIECS-2016	18, March,2016
23	Jehangir Ali	Pollution monitoring of water bodies by Remote Sensing vs WSN	National Seminar on World Environmental Day (Kashmir University)	5 June, 2015

II. Programmes Attended by Staff (Conferences/Courses/ Trainings):

S No.	Name of the Staff Member	Name of the Programme Attended	Institute Where Attended	Date
1	Shabir Ahmad Sofi	CSCAN- 2016	NIT Calicut	20/21 Feb, 2016
2	Ms. Saniya Zahoor	ICTIS,2015	Venus College, Ahmedabad, Gujrat	28/29 Nov, 2015
3	Ms. Saniya Zahoor	ICIP,2015	PCCOE College,Pune	16/19 Dec, 2015
4	Ms. Saniya Zahoor	IOTA,2016	MIT, Pune	21/22 Jan, 2016
5	Mr. Jahangir	National Seminar on Environmental Pollution	University of Kashmir	4-5 June,2016
6	Mr. Kalimullah	Open Source Technologies through ICT	NIT Srinagar	04-08 Jan, 2016

7	Mr. Aijaz	Open Source Technologies through ICT	NIT Srinagar	04-08 Jan, 2016
8	Ms. Insha Altaf	Open Source Technologies through ICT	NIT Srinagar	04-08 Jan, 2016
9	Ms. Insha Majeed	Open Source Technologies through ICT	NIT Srinagar	04-08 Jan, 2016
10	Ms. Farhana	Open Source Technologies through ICT	NIT Srinagar	04-08 Jan, 2016
11.	Ms. Saniya Zahoor	ICICT,2015	Singhad College, Pune	09/10 Oct, 2015

III. Programmes Conducted (Conferences/ Courses/ Trainings):

S No.	Name of the Programme	Date when Conducted	Name of the Coordinators(s)	No. and Background of Participants
1	Open Source Technologies in collaboration with NITTTR Chandigarh	4-8 jan, 2016	Shabir Ahmad Sofi, Jehangir Ali, Kalimullah Lone	60 Participants which include Faculty members and Research Scholars.

IV. Purchases Made:

S No.	Name of the Equipment	Date of Purchase	Amount of Purchase
1	HP Desktop Systems (60 PC's)	25/09/2015	3238263.00
2	Computer Components	05/10/2015	4000.00
3	ExHDD(2 tb), pen drive, connectors	23/03/2016	14749.00
4	Switch (8 Port), Extention Card, Vaccum Cleaner, Cable, Hooks	23/03/2016	14726.00
5	Switch, CAT 6 UTP	23/02/2016	14992.00
6	Ex HDD (2 tb) , Connectors, Switch (8 Port)	23/03/2016	14301.00
7	A C	14/03/2016	45440.00
8	IBM Blade Server	24/03/2016	429472.00
9	Laptops, an UTP Tester, Wireless LAN Cards, Multimeter	30/11/2015	150110.00

4.1.9. DEPARTMENT OF MATHEMATICS

Head: Dr. Tanweer Jalal

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 = 04		

* **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. PAPERS PUBLISHED:

Dr. Ab. Liman				
S. No	Name of the staff member	Title of the paper	Conference/Journal where published	Date of publication
1.	Dr.Ab. Liman, W.M. Shah & S.L.Wali	Inequalities Concerning B-Operators	Probl. Anal. Issues Anal.,	5 (23), No. 1 55-72, (2016).
2.	Dr.Ab. Liman, & S.L.Wali	An operator preserving inequalities between polynomials	Non. Func. Anal. Appl.,	20(3), 441-451 (2015)
Dr. Tanweer Jalal				
1.	Dr.Tanweer Jalal	Some Matrix Transformations of $l(p,u)$ into the spaces of Invariant Means	Int. J.M.M.Sc.,	13 (4), 285-391 , 2015. (Florida, USA)
2.	Dr.Tanweer Jalal , N. A. Sheikh & A.H. Ganie	Matrix transformations of some sequences over Non-Arch median fields	J. Appld. Computat. Math.,	4(3) , 2015.
3.	Dr. Tanweer Jalal	On some new sequence spaces of invariant means with respect to modulus functions,	Int.J.M.M.Sc.,	13(3), 206-210, 2015. (Florida, USA)
4.	Dr. Tanweer Jalal	Some new sequence spaces defined by Museilak-Orlicz functions on a Real n-normed space Gen. Math	Gen. Math. Notes	27 (2) , 47-58, 2015.
5.	Dr. Tanweer Jalal	Some new sequence spaces in multiple normed spaces through Lacunary sequences Using Sequence of Modulus Fucntions in n-Normed Spaces,	Int. Bull. Math. Research	2(1), 173-179, 2015.

Dr. Neyaz Ahmed				
1.	Dr. Neyaz Ahmed, T. Jalal & Ab.Hamid	Some new type of difference sequence spaces defined by modulus function	Journal of Nonlinear Functional Analysis	Accepted
2.	Dr. Neyaz Ahmed, & Ab. Hamid	Infinite matrices and almost convergence	Filomat,	29(6), 2014), 1183-1188 (2015)
3.	Dr. Neyaz, D Kumar & MobinA. Sayed	Infinite Matrix Operators, Spline Wavelet Coefficients & Frames	British Journal of Mathematics & Computer Science,	8 (2), 159-169, 2015.
4.	Dr. Neyaz Ahmed & Ishtiaq Ahmad	Some Study on Uncertainty principle	Int. J. M. M. Sc.,	13 (3), 198-209,(2015) (Florida, USA)
5.	Dr. Neyaz Ahmed, Seid M Teum & Mobin A. Sayed	Convolution Inequality and Cos $\pi\rho$ Theorem,	IJSEAS,	1 (9), 1-9, (2015)

II. PROGRAMMES ATTENDED (CONFERENCES/COURSES/TRAININGS):

S. No	Name of the staff member	Name of the program me attended	Institute where attended	Date
1.	Dr. Tanweer Jalal	International Conference on Function Spaces and Inequalities	South Asain University Delhi	08-12 Dec. 2015
2.	Dr. Tanweer Jalal	International Conference on Analysis and Applications	AMU, Aligarh	19-21 Dec. 2015
3.	Dr. Tanweer Jalal	International Conference On Modern Mathematical Methods and High Performance Computing in Science and Technology (M3HPCST-2015)	Raj Kumar Goel Institute of Technology Ghaziabad	27-29 Dec. 2015
4.	Dr. Tanweer Jalal	International Conference on Recent Trends in Engineering and Materials Science (ICEMS-2016)	Jaipur National University, Jaipur	17-19, March 2016

III. PROGRAMMES CONDUCTED (CONFERENCES/COURSES/TRAININGS):

S. No	Name of the Programme	Date when conducted	Name of Coordinators	No. and Background of participants
1	Conference on Complex Analysis and Applications	17/03/2016	Dr. Tanweer Jalal Dr. Abdul Liman Dr. Neyaz Ahmad	25 Faculty members From Kashmir University, Degree Colleges & Research Scholars

IV. PURCHASES MADE:

S. No	Name of the Equipment/Item	Quantity	Date of Purchase	Amount of Purchase
1.	Basic Digital Photocopier SMCS:30 (DGS&D)	01	28/09/2015	Rs 126275/=

Other Activities:

(i) Two Ph.D Scholars completed their Ph.D degrees during 2015-2016.

1. Mr. Farooq Ahmad Lala (Supervisor Dr. Neyaz Ahmad Sheikh)
2. Mr. Irshad Ahmad (Supervisor Dr. Abdul Liman)

4.1.10. DEPARTMENT OF PHYSICS

Head: Prof. M.F. Wani

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
01	Dr. M. M. Ahmad	Professor	Ph.D	Space Plasma/Nano
02	Dr. G. R. Khan	Associate Professor & Head	Ph.D	Nanotechnology/Fiber optics/Quantum Theory
03.	Dr. P.A. Ganai	Associate Professor	Ph.D	Nuclear Physics
04.	Dr. M. Ikram	Associate Professor	Ph.D	Solid State Physics
05.	Dr. S. Rubab	Associate Professor	Ph.D	Renewable energy Source
06.	Dr. M.A. Shah	Assistant Professor	Ph.D	Material Science
Number of Faculty Members engaged on Contractual basis = 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. PAPERS PUBLISHED:

S. N O	NAME OF THE SAFF MEMBER	TITLE OF THE PAPER	CONFERENCE/ JOURNALS ETC. WHERE PUBLISHED	DATE OF PUBLISHMENT
1.	Dr. Mohd Ikram	Structural Analysis and Dielectric Properties of $\text{HoFe}_{1-x}\text{Ni}_x\text{O}_3$ ($0.0 \leq x \leq 0.5$).	Journal of Electronic Materials, Vol. 44, No. 4, (2015) [I.F= 1.798].	2015
		“Structural, Magnetic and Electronic Structure Studies of $\text{PrFe}_{1-x}\text{Mn}_x\text{O}_3$ ($x=0.0, 0.1, 0.3, 0.5$)Thin Films Grown on Si (100)	Journal of Alloy and Compound 628 151–157 (2015) [I.F=2.999].	2015

	An investigation of Electrical, Magnetic and Optical, Properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x= 0.0, 0.3, 0.5$ and 0.7) system”	Adv.Mat. Lett. 6(7) , (2015) [I.F= 1.99].	2015
	Electrical and magnetic properties of the pulsed laser deposited Ca doped LaMnO_3 thin films Si(100) and their electronic structures”	RSC Adv., 5 , 69075 (2015) [I.F= 3.840].	2015
	Effect of Mn doping on Structural, Morphological and Dielectric properties of EuFeO_3 ceramics”	RSC Adv., 5 , 93867(2015) [I.F= 3.840].	2015
	Correlative exploration of Structural, Optical and electronic properties of colossal Dielectric Ni doped Sm orthoferrites”	Adv.Mat. Lett. 6(12) , 1081-1097 (2015) [I.F= 1.99].	2015
	Effect of 200 MeV Ag^{12+} ion irradiations on structural, morphological and magnetic properties of $\text{HoFe}_{1-x}\text{Ni}_x\text{O}_3$ ($x = 0.0, 0.1, 0.3$ and 0.5) thin films grown on Si (100) substrates”	accepted in Journal of Materials Science: Materials in Electronics (2016) DOI 10.1007/s10854-015-4195-5 [I.F= 1.569].	2016
	Influence of B-site Ni Substitution for Fe^{3+} Ion on Morphological, Optical and Magnetic Properties of HoFeO_3 Ceramics”	accepted in Applied Physics A(2016) [I.F= 1.704].	2016
	An investigation of Electrical, Magnetic and Optical, Properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x= 0.0, 0.3, 0.5$ and 0.7) system.	Adv. Mat. Lett.	2015
	Ion-beam-induced ferromagnetism in Mn-doped PrFeO_3 thin films grown on Si (100).	Applied Physics A, 44 (2016) [I.F= 1.704].	2016

3.	Dr. S Rubab	Oxidative etching Modified Sol-Gel Synthesis of ZnO Nanorods.	<p>Advanced Science Letters, Vol 22, No 1</p> <p>Pp212-215, DOI:10.1166/ asl.2016.6775</p>	Jan, 2016
4.	Dr. M.A. Shah	<ol style="list-style-type: none"> 1. Akhoun, S. A., Sofi, A. H., Rubab, S., & Shah, M. A. Enhanced Structural and Electrochemical Properties of LiMn₂O₄ Nanocubes. <i>Journ al of Electronic Materials</i>, (2016) 1-7. Springer. 2. Sofi, A. H., Abubakr, B., & Shah, M. A. (2016). Enhancement of figure of merit of thermoelectric materials: a new theoretical approach. <i>Thermo physics and Aeromechanics</i>, 23 (2), 255-260. Springer. 3. Maini, A., Sofi, A. H., & Shah, M. A. (2016). Agglomerated 		

		<p>Copper Oxide (CuO) Nanostructures and Their Growth Mechanism. <i>Advanced Science Letters</i>, 22(4), 1042-1044.</p> <p>4. Kaleem Ahmad Najar, Nazir Ahmad Sheikh¹, Sajad Husain Din and M. A. Shah. Effect of Boron-doping on the Tribological & Mechanical Properties of Multilayered CVD diamond Coatings: Behaviour of Load dependent Friction (Accepted for Publication in <i>Advanced Materials Letters</i> 2016). VBR Press.</p> <p>5. Nanotechnology: An Insight, A. H. Sofi & M.A. Shah, LAP Lambert Academic Publishing, Germany (2016). ISBN: 978-3-659-84978-7.</p> <p>6. Sajad Hussain Din,</p>		
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		<p>M. A. Shah, N. A. Sheikh, K. A. Najar, K. Ramasubramanian, S. Balaji, M. S. Ramachandra Rao. Influence of boron doping on mechanical and tribological properties in multilayer CVD diamond coating system. Bulletin of Material science, Springer (Accepted for Pulation in July 2016).</p> <p>7. Kaleem Ahmad Najar, Nazir Ahmad Sheikh, Sajad Din & Mohammad Ashraf Shah. Effect of CVD-diamond coatings on the tribological performance of cemented tungsten carbide substrates. Jurnal Tribologi, 9 (2016) 1-17 (DOI: 10.13140/RG.2.1.3 610.5840).</p> <p>8. K. A. Najar, M. A. Shah and N. A. Sheikh. Integrity of CVD-Diamond Coatings on Cemented Tungsten Carbide Substrate:</p>		
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		Mathematical Analysis carried out for Calculating the Force of De-lamination and Load Bearing Capacity of Coating-substrate System. Elixir Nanotechnology 90 (2016)37463-3746		
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II. PROGRAMME ATTENDED (CONFREENCES/COURSES/TRAINING):

S. NO.	NAME OF THE SAFF MEMBER	NAME OF THE PROGRAMME ATENDED	INSTITUTE WHERE ATENDED	DATE
1.	Dr. Mohd. Ikram	National Conference on "Microscopy & Advances in Material Science (NCMAMS-2015).	Department of Physics & Electronics University Of Jammu.	March 2-4 , 2015.
		UGC Sponsored National Seminar on Electronic Devices, Systems and Information Security (SEEDS-2015).	Department of Electronics & Instrumentation Technology University of Kashmir, Srinagar.	March 16-17 , 2015.
		2015 International Conference on Advances in Computers, Commutation and Electronics Engineering (COMMUNE-2015).	Department of Electronics & Instrumentation Technology University of Kashmir, Srinagar.	March 16-18, 2015.

		5 th International Conference On “Recent Trends in Applied Physical, Chemical Sciences, Mathematical/Statistical and Environmental Dynamics” (PCME-2015).	Krishi Sanskriti” Jawaharlal Nehru University, New Delhi.	May, 2-3 2015.
		National Conference On “Solid State Chemistry and Allied Areas”(ISCAS-2015).	Bhaskaracharya College of Applied Sciences University of Delhi Delhi-110007.	May 8-10, 2015.
		National Conference On “Advances in Materials and materials Processing (AMMP-15).	Department of Metallurgy and Materials Engineering, NIT Srinagar.	May 22-23, 2015.
		National Interdisciplinary Science Conference-2015 on “Recent Research Trends in Chemical & Environmental Science (NISCON-2015).	Sri Pratap College University of Kashmir, Srinagar.	August 18-19, 2015.
		International Conference on Multifunctional Materials for future Applications (ICMFA 2015).	Department of Chemistry, IIT (Banaras Hindu University) Varanasi.	Oct.27 – 29, 2015.
		Second International Conference on Materials Science and Technology (ICMST2016	Department of Physics, St. Thomas College Pala, Kerala.	June 5 – 8 , 2016.
2.	Dr. S. Rubab	1. Attended two days TEQUIP WORKSHOP on Metallurgical & Materials Engineering 2. Attended a 16 days	NIT Srinagar organised by NIT Srinagar and IIT Kanpur. Organised jointly by Indian Academy of	Oct 8-9, 2016

		Refresher Course on Materials preparation and characterization.	Science, Bengaluru, National Academy of Science of India, Allahabad, Indian National Science Academy Delhi and at IASc, Jalahalli, Bengaluru.	Feb 9-24, 2016
3.	Dr. M.A. Shah	a) GIAN programme b) Int. Conf. in D.U. c) Visited NPL	IIT Hyderabad Delhi Univ. Delhi	28/8/2016 to 4/9/2016 7 to 11 Nov, 2016 14-18 Nov 2016

III. PROGRAMME CONDUCTED (CONFRENCES/COURSES/TRAININGS):

Dr. M.A. Shah:

S.NO.	NAME OF THE PROGRAMME	DATE WHEN CONDUCTED	NAME OF COORDINATOR(S)	NO. & BACKGROUND OF PARTICIPANTS
1.	a) INSPIRE Programme b) Int Conf on Nana tech for Better Living organized in collaboration with IIT Kanpur.	21-25 Nov 2015 25-29 May, 2016.	Dr. M.A. Shah	

IV. ANY OTHER ACTIVITIES/ ACHIEVEMENTS WITH DEATALS:

1. Dr. M. Ikram

Research Project:

UGC-DAE- Consortium for Scientific Research Indore.	Effect of Synchrotron Radiation on the Photoemission Spectroscopy (PES) Studies of Double Perovskite.	Rs. 7.80 lacs	2015- 2018	Approved for 3 years.
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2. Dr. S Rubab

1. Delivered a lecture as resource person in 68th General Orientation Course at UGC-HRDC, Kashmir University on 'Light and Light Based Technologies' on 18.5.2015
2. Delivered a lecture as resource person in Refresher Course in 'Gender Studies' at UGC-HRDC, Kashmir University on ' Technological needs of women' on 22.5.2015
3. Delivered a lecture as resource person in 69th General Orientation Course at UGC-HRDC, Kashmir University on 'Importance of Light In our Life' on 27.7.2015
4. Delivered a lecture on ' Developing Hands on Maths Laboratory' as resource person in short term training cum workshop in Mathematics for Govt School Teachers of Kashmir Province on 31.7.2015 at Government college of Education, MA Road.
5. Delivered a lecture on ' Developing Hands on Science culture in schools' as resource person in training Program in Sciences for Govt School Science Teachers of Kashmir Province on 3.8.2015 at Government college of Education, MA Road.
6. Delivered a lecture on 'Developing Mathematics Activity Centres in Schools' as resource person in awareness program organized by DIET, Anantnag for Govt School Teachers of Mathematics of Anantnag district at Ranibagh higher secondary school Anantnag on 5.9.2015.
7. Delivered a lecture on ' Educational opportunities for Physics graduates with special reference to JAM' as resource person in awareness program organized by Department of Physics, Degree College for Boys, Khannabal, Anantnag on 19.9.2015.
8. Conducted session on 'Developing mathematics activity centres at schools' in 3 days hands on Science workshop organized by science teachers assoc. of Kashmir at EDI Pampore catalyzed by Vigyan Prasara from 5-7 Oct 2015.

9. Evaluated Science Exhibits under INSPIRE Award scheme 2015 at DIET Srinagar on 13.10.2015
10. Delivered a lecture as resource person in 70th General Orientation Course at UGC-HRDC, Kashmir University on 'Contribution of Ibn al Haytham to Science and Scientific Methods' on 6.11.2015
11. Conducted a session as Mentor in sixth Inspire camp on 'Fun activities in Mathematics' on 15.11.2015 at NIT Srinagar
12. Delivered a lecture "Developing Mathematics Activity Centres for Creative Learning" on 26.11.2015 at Jammu Kashmir Institute of Mathematical Sciences, Srinagar
13. Conducted a session on 'Teaching Geometry with Geoboard' as resource person in Three day teacher training programme/ workshop -'Teaching and Learning Mathematics at School Level' at Jammu & Kashmir Institute of Mathematical Sciences, Srinagar on 8 Dec 2015
14. Conducted a session on 'Verification of Pythagoras theorem by dissection' as resource person in Three day teacher training programme/ workshop -'Teaching and Learning Mathematics at School Level' at Jammu & Kashmir Institute of Mathematical Sciences, Srinagar on 9 Dec 2015
15. Conducted a session on 'The purpose of Mathematics Laboratory' as resource person in Three day teacher training programme/ workshop -'Teaching and Learning Mathematics at School Level' at Jammu & Kashmir Institute of Mathematical Sciences, Srinagar on 10 Dec 2015
16. Delivered a talk on 'Beti bachao- Beti Padhao' at Government Degree College, Anantnag on 8.3.2016
17. Delivered an invited talk on 'Education opportunities in nano science and nanotechnologies' at Government Degree College for Women Anantnag on 19.3.2016

V. PURCHASE MADE:

S. NO.	NAME OF THE EQUIPMENT/ITEM	DATE OF PURCHASE	AMOUNT OF PURCHASE (In Rupees)
1.	UV-Visible-NIR Spectrometer with accessories	Order has been placed on 01.07.2016	Rs.8,54,786/=
2.	Ultrasonic Bath (Sonicator) with required accessories.	01.07.2016	Rs. 41,786/=

4.1.11. DEPARTMENT OF CHEMISTRY

Head: Dr. Shakeel Ahmad Shah

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. S. A. Shah	Associate Professor & HOD	Ph.D	Inorganic Chemistry
02.	Dr. Tabassum Ara	Associate Professor	Ph.D	Organic Chemistry
03	Dr. Kowsar Majid	Associate Professor	Ph.D	Physical Chemistry
04.	Dr. J. A. Banaday	Assistant Professor	Ph.D	Organic Chemistry
05.	Dr. Hamida Chisti	Assistant Professor	Ph.D	Inorganic Chemistry
	Number of Faculty Members engaged on Contractual basis =			

The Department engages the Chemistry subjects and other relevant Courses at B.Tech. level of all branches of Engineering of the Institute, in addition to Research.

R & D Work

I. Papers Published:-

S. No	Name of the Staff member	Title of the Paper	Conference/ Journal, etc. where Published	Date of Publishment
01.	Dr. S. A. Shah (Assoc. Prof)	<ul style="list-style-type: none"> ➤ “Genicinolide-A, B and C: three new triterpenoids from <i>Euphorbia geniculata</i>.” ➤ “Structural and optical studies of 7-methoxy-8-(3-methylbut-2-enyl)-2-chromenone (osthol), a plantbased coumarin.” ➤ " In Vitro Screening for Anticancer Activity of Petroleum Ether and Ethyl Acetate Extracts of <i>Conyza canedensis</i> growing in Kashmir Region." 	<p><i>Beilstein Journal of Organic Chemistry</i></p> <p><i>OPTIK-International Journal for Light and Electron Optics (Elsevier)</i></p> <p><i>Advances in Biomedicine and Pharmacy</i></p>	<p>2015, 11, 2707–2712. doi:10.3762/bjoc.11.291</p> <p>2016, 127, 2802–2805. http://dx.doi.org/10.1016/j.ijleo.2015.11.224</p> <p>2015, 2(2), 82-85</p>
02.	Dr. Tabassum Ara (H.O.D)	<ul style="list-style-type: none"> ➤ Triacetic acid lactone : A Versatile Molecule ” ➤ “ synthesis and Biological evaluation of novel triazoles of 	<p>4th National Symposium on “Recent Trends In Analytical Sciences And Applications</p> <p>4th National Symposium on “Recent Trends</p>	<p>9th and 10th February 2015 in Jamia Hamdard ,New Delhi in and Abstract Book cum Souvenir page 44.</p> <p>9th and 10th February 2015 in Jamia Hamdard ,New Delhi in and Abstract</p>

		steroidal sapogenin-Diosgenin ”,	In Analytical Sciences And Applications	Book cum Souvenir page 44 and 45.
		➤ Reactions of Indandione with DMSO-Aacetic anhydride ’ in the two day”	National Inter-Disciplinary Science conference on “Recent Research Trends in Chemical and	August 18 and 19 th 2015 in Sri PratapCollege Srinagar in Souvenir and Abstracts
		➤ Synthesis of some Barbituric acid derivatives’ in collaboration with J&K State council for Science and Technology and DST, Govt. of India.	Environmental Sciences in the 11 th J&K Science Congress ,University of Kashmir	Souvenir and Abstracts page 11,12. 12th to 14th October 2015 in Souvenir and Abstracts page 380.
		➤ “Synthesis of Novel 16-dehydroepiandrosterone Analogs as potent cytotoxic agents’	in the 11 th J&K Science Congress ,University of Kashmir	12th to 14th October 2015 in Souvenir and Abstracts page 382.
		➤ Synthesis and characterization of PPY/K[Fe(CN) ₃ (OH)(en)] nanocomposite: Study of photocatalytic, sorption, electrical, and thermal properties	Journal of applied polymer science.	February 2016
		➤ .Isolation of Daphnetin 8-methyl ether from <i>Daphne</i>	Journal of Phytopharmacology	july-august, 2015; 4(4): 224-226.

		<p><i>oleoides</i> and its Anti-bacterial Activity</p> <ul style="list-style-type: none"> ➤ Isolation of Daphnetin from <i>Daphne oleoides</i> and its HPLC Finger Printing ➤ Stereoselective synthesis and antimicrobial activity of novel triazolyl derivatives of sreroidal sapogenin -diosgenin " ➤ Synthesis and characterization of PTP/K[Fe(CN)₃(OH)(en)] nanocomposite: study of thermal, electrical and photocatalytic properties, 	<p><i>Elixir Org. Chem</i></p> <p>National Research scholars' Conclave National Institute of Technology , Srinagar.</p> <p>Journal of Materials Science: Materials in Electronics</p>	<p>february, (2016) 37992-37994</p> <p>2nd to 3rd April 2016 in the Souvenir and Abstracts page 34.</p>
03.	Dr. Kowsar Majid (Assoc. Prof)	<ul style="list-style-type: none"> ➤ <i>Synthesis and characterization of nanocomposite of polythiophene with Na₂[Fe(CN)₃(OH)(NO)C₆H₁₂N₄] H₂O: a potent material for EMI shielding applications.</i> ➤ <i>Removal of copper from aqueous solution using polyaniline and polyaniline/ferricyanide composite.</i> ➤ <i>Synthesis and characterization of Li_{0.5}Fe_{2.5-x}GdxO₄ ferrite nano-particles as a potential candidate for microwave device applications</i> 	<p><i>Journal of Materials Science: Materials in Electronics</i></p> <p><i>Journal of Environmental Chemical Engineering</i></p> <p><i>Materials and Design</i></p>	<p><i>11 June 2015</i></p> <p><i>21 September 2015</i></p> <p><i>31 October 2015</i></p>

		<ul style="list-style-type: none"> ➤ <i>Enhanced photocatalytic activity exhibited by PTh/[Fe(CN)₃(NO)(bpy)] 4H₂O nanocomposite fibers via a synergistic approach.</i> ➤ <i>Synthesis, characterization, photophysical, thermal and electrical properties of composite of polyaniline with zinc bis(8-hydroxyquinolate): a potent composite for electronic and optoelectronic use.</i> ➤ <i>Investigation of the Transport Properties of PPy/[Co(EDTA)NH₃Cl] H₂O Nanocomposite Prepared by Chemical Oxidation Method</i> ➤ <i>Synthesis and characterization of PPY/K[Fe(CN)₃(OH)(en)] nanocomposite: Study of photocatalytic, sorption, electrical, and thermal properties.</i> 	<p><i>RSC Advances</i></p> <p><i>RSC Advances</i></p> <p><i>RSC Advances</i></p> <p><i>J. of Applied Polymer Science</i></p>	<p><i>11 December 2015</i></p> <p><i>17 February 2016</i></p> <p><i>22 February 2016</i></p> <p><i>25 March 2016</i></p>
04.	Dr. J. A. Bandy (Assist. Prof)	<ul style="list-style-type: none"> ➤ "Genicunolide-A, B and C: three new triterpenoids from <i>Euphorbia geniculata</i>." ➤ "Structural and optical studies of 7-methoxy-8-(3-methylbut-2-enyl)-2-chromenone (osthol), a plantbased coumarin." ➤ " In Vitro Screening for Anticancer 	<p><i>Beilstein Journal of Organic Chemistry</i></p> <p><i>OPTIK-International Journal for Light and Electron Optics (Elsevier)</i></p> <p><i>Advances in Biomedicine</i></p>	<p>2015, 11, 2707–2712. doi:10.3762/bjoc.11.291</p> <p>2016, 127, 2802–2805. http://dx.doi.org/10.1016/j.ijleo.2015.11.224</p> <p>2015, 2(2), 82-85</p>

		Activity of Petroleum Ether and Ethyl Acetate Extracts of <i>Conyza canedensis</i> growing in Kashmir Region."	<i>and Pharmacy</i>	
05.	Dr. Hamida Chishti (Assist. Prof)	➤ Quantitative analysis of the essential oil of <i>Origanum vulgare</i> (L) growing in the Kashmir valley	International Journal of Applied Research	2016

II- Programmes Attended (Conferences/ Courses/ Trainings):

S. No.	Name of the Staff member	Name of the Programme Attended	Institute Where Attended	Date
01.	Dr. Hamida Chishti (Assist. Prof)	➤ Two Days Workshop on Analytical laboratory Techniques: Applications and future Prospects	Department of Chemistry, Islamia College of Science and Commerce	February 16-17, 2016

III. Any Other Activity/Achievement with details

S. No.	Name of the Staff member	Activity / Achievement
01.	Dr. Sakeel Ahmad Shah (Assoc. Prof)	-
02.	Dr. Tabassum Ara (H.O.D)	-
03.	Dr. Kowsar Majid (Assoc. Prof)	-
04.	Dr. Javid Ah. Bandy (Assist. Prof)	<ul style="list-style-type: none"> ➤ Acted as Vice Chancellor's Nominee in Board of Studies (BOS) for revising the Under Graduate Courses in the subject of Chemistry at Islamia College of Science and Commerce Srinagar. ➤ acted as a Member in Board of Studies (BOS) for revising the Under Graduate Courses in the subject of Industrial Chemistry at University of Kashmir Srinagar.
05.	Dr. Hamida Chishti (Assist. Prof)	-

4.1.12. *DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES*

Head: Mir Mukhtar Ahmad

Introduction

INTRODUCTION

1.0. Education System

The Department of Humanities and Social Sciences, which is one of the oldest departments of the institute, is contributing to the academics by offering various courses in English, Management, Economics and Entrepreneurship at B.Tech level and Research Methodology and Communication Skills at M.Tech level. The students of B. Tech & M. Tech are introduced to the basic concepts and advanced studies in the above mentioned subjects. As these courses equip the engineering students with the professional skills, the department makes every effort to keep these courses updated. It tries to amalgamate the field of engineering and the field of management by equipping students with the technical expertise and leadership skills as are required to advance their career in the fast-paced world of competition.

The subjects like Management and Economics play an excellent role in developing the managerial and professional capabilities of the students who have a potential market both in public and private companies of India and foreign countries. The courses are intended to enhance their employment opportunities in the growing corporate sector and bring together the technological problem-solving savvy of *engineering* and the organizational, administrative, and planning abilities of *management* in order to oversee complex enterprises from conception to completion. Apart from it, the Department has many programs of higher learning in mind but the non availability of staff is the main impediment. For some professional courses like MBA and Diploma in Entrepreneurship, the department is making efforts both in terms of staff and infrastructure. The department is also planning to

arrange some guest lecturers for the personality development of the students as per their demand. The department aims to promote student success in the Core Curriculum through advisement, support, and enrichment programs.

The Department has already submitted a proposal for the establishment of a Language and a Management Lab for improving the linguistic proficiency and the managerial skills of the students in general and academically weak, SC/ST & backward students in particular. Due to the continuing problem of space, the development of Language and Management lab could not be taken up. However, forty computers have been provided by the institute for the same which shall be installed once the infrastructure for the lab is ready.

2.0 STAFF

Due to retirement of senior staff, department is left with very limited faculty. Additional requirement of teachers is being met by contractual appointment presently and efforts are on to recruit permanent faculty at the earliest.

<u>S.N</u>	<u>Name of staff member</u>	<u>Designation</u>	<u>Qualification</u>	<u>Specialization</u>
1.	Dr Mohammad Farooq Lala	Professor	B.Sc MBA Ph.D	Finance & Marketing
2.	Mr. Mir Mukhtar Ahmad	Associate Professor	B.Com M.Com L.L.B	Marketing & Economics
3	Prof. Khursheed Mahajan	Guest Faculty (Spring Semester)	M.Com	Finance & Accounting
4	Dr. Tasleem Warr	Guest Faculty (Spring Semester)	MA Ph.D	English

5	Dr. Suheela Nazir	Contractual Lecturer (Autumn Spring)	MA M.Phil	English
6	Mr. Rafiq Ahmad Guroo	Contractual Lecturer (Autumn Spring)	MA M.Phil	English

3.0. TEACHING PROGRAMMES

Courses offered

The Department is offering courses to all branches of B.Tech students and one course to M.Tech students. Various subjects taught along with LTP is given hereunder.

<u>Semester</u>	<u>Name of the Subject</u>	<u>LTP</u>			<u>Exam Hrs Per week</u>
		<u>Th</u>	<u>Pract.</u>		
Ist Semester All Branches	Communication Skills & Oral Presentation	4	0	0	4 Periods Per Section
2 nd Semester	Introduction to Social Sciences	3	0	0	3 Periods Per Section
3 rd (Civil)	Industrial Economics & Management	3	0	0	3 Periods Per Section
3 rd (Electronics)	Communication Skills & Functional English	3	0	0	3 Periods Per Section
4 th (Chemical)	Industrial Organization & Management	3	0	0	3 Periods Per Section
4 th (Metallurgy)	Industrial Economics & Management	3	0	0	3 Periods Per Section

6 th (Mechanical)	Industrial Economics & Management	3	0	0	3 Periods Per Section
7 th (Mechanical)	Entrepreneurship	3	0	0	3 Periods Per Section
8 th (Electronics)	Industrial Organization & Management	3	0	0	3 Periods Per Section
8 th (Electrical)	Industrial Organization & Management	3	0	0	3 Periods Per Section
8 th (Metallurgy)	Entrepreneurship Development Programme	3	0	0	3 Periods Per Section
M. Tech (2 nd Semester)	Communication Skills & Research Methodology	2	0	0	2 Periods Per Section

4.0. Research Activity

Research has been recognized as a core activity of our department and in this regard the department offers the doctoral research programme, in which presently two scholars are enrolled and are working under the supervision of Prof. M.F. Lala.

5.0. Remedial Coaching Classes

These classes are signed to assist students in order to achieve expected competencies in academic and communication skills and raise their level of comprehension of basic subjects to provide a stronger foundation for further academic work, where quantitative and qualitative techniques and laboratory activities are involved and the medium of instruction is English. This is particularly being provided to the academically weak, backward, ST/SC students who come from Hindi and Urdu medium and are not able to understand English. It also aims to provide the necessary guidance and training that may enable the students to come up to the level necessary for pursuing higher studies efficiently and prepare for competitive exams.

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.

1. 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.

Research And Development Activities

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. Appointment of the Chair Professor was advertised but the selected person did not join and has been re-advertised.

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 actively 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

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.

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 Naaz 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 Enet India and other by BSNL (1Gbps internet connectivity).

The Centre has extended the facilities of internet to hostels including girls hostels through WiFi systems.

The Centre also manages the Website of the Institute under the NITSRI, URL address www.nitsri.ac.in. The Centre during the period under report augmented the Computer Centre by purchase of 50 Desktops of latest configuration and other equipments for around Rs. 28.00 lacs for use of the students.

4.2.4 Central Research Facilities Centre

Head of the Centre: Prof. M. F. Wani, Professor, Mechanical Engg. Dept.

This Centre has been established with a vision to provide high end state of the art equipments like SEM, XRD, EDX etc. at the centralized place and to cater to research requirement of multi disciplinary nature. The centre has already made the SEM apparatus functional for use by the faculty and the research scholars. The purchase of equipments like XRD, EDX are in final stage of procurement. The Centre is run under the supervision of faculty group derived from different departments of the institute.

4.2.5 Innovation, Incubation and Entrepreneurship Development Centre :

Head of the Centre: Er. Saad Pervaiz, Associate Professor, Dept. of Mechanical Engineering

The Institute had since long established an Industry Institute Interaction Cell and Entrepreneurship Cell. The main object of these Cells was 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.

In view of the prevailing scenario for encouraging innovation and enterprise, it was decided to establish a centre where activities related to innovation, incubation and entrepreneurship could be undertaken in a coordinated manner on modern approaches. Accordingly these two cells were merged and renamed centre under the title “ Innovation, Incubation and Entrepreneurship Development Centre” was established due approval of the Competent Authority. The Centre has already started extending its technical support to young Innovators and has held number of interactions with the local industrialists. The Centre is in the process of preparation of a DPR for establishing a major innovation centre for the benefit of the region.

An advisory committee has been constituted having an Interdisciplinary representation to guide the activities of the Centre.

5.0. STUDENT WELFARE

5.1 Concessions provided to students

The SC/ST students are provided concessions in tuition fee as per Government of India Guidelines.

5.2 Scholarships

The Institute has been providing all sorts of financial assistance in terms of scholarships and aids to the deserving admitted students. Students admitted under reserved categories having the good academic record are eligible for post matric scholarship. 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 performance of their 1st semester examination.

Besides above MOMA scholarships are also available for the meritorious students. The Institute also provides aid from students welfare fund to those of the students who are economically in adverse condition and not covered by other scholarships.

Various scholarships availed by the students of the institute are as under:

1	Ph.D. Scholarships
2.	M. Tech (GATE) Scholarship
3.	Aid from Students Welfare Fund
4.	Post Matric Scholarship
5.	H & W Scholarship
6.	Merit/Merit-cum means Scholarship (MOMA)
7.	S.T. Scholarships
8.	S.C. Scholarship
9.	Scholarships of Social Welfare Departments of different states and other agencies
10	Directorate of Technical Education, Chattisgarh scholarship
11	Labour Commissioner J&K scholarships

5.3 Welfare Schemes for staff :

- I) Benevolent Fund : 62 staff members from non-teaching staff of the institute benefited from this fund who had suffered due to the devastating floods of September 2014 and some on account of chronic diseases.
- II) Staff welfare fund : 12 staff members from non-teaching staff of the Institute were provided loan free of interest out of this fund to meet some special situations limited to an amount of Rs. 10,000/- per head, recoverable in 20 installments.

The funds under these two schemes are based on contributions made by the Institute staff towards these funds as well as some contribution out of the revenue generated through consultancies. The two funds are managed by duly constituted governing body and committee as per well laid down bylaws.

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 PLACEMENTS

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 details of the students of the institute placed in different organizations during the year are given in the following table:

Name Of Student Placed	Company Name	Date Of Selection	Package(CTC)	Mode Of Placement
AADESH SRIVASTAVA	Greyb	10/9/2015	4.36 LPA*	Campus
AADIL HUSSAIN TELI	Pompeii Connect	4/27/2016	3.05 LPA	Campus
AAKASH	Alstom Transport	21/9/2015	5.00 LPA	Campus
AAKASH	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
AAQIB AHMAD SOFI	Infogain	21/8/2015	4.20 LPA	Campus
ABHAY KUMAR	Alstom Transport	21/9/2015	5.00 LPA	Campus
ABHAY KUMAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ABHAY SHARMA	Infosys	12/10/2015	3.25 LPA	Campus
ABHIJEET SINGH	ABB	3/11/2015	5.00 LPA	Campus
ABHIMANYU KAKKAR	Infosys	12/10/2015	3.25 LPA	Campus
ABHIMANYU KAKKAR	Valforma	2/8/2015	2.95 LPA	Campus
ABHINAV DIXIT	Infosys	12/10/2015	3.25 LPA	Campus
ABHINAV GUPTA	Infosys	12/10/2015	3.25 LPA	Campus
ABHINAV GUPTA	SKF	28/10/2015	4.25 LPA	Campus
ABHISHEK LAWANIA	Pompeii Connect	27/4/2016	3.05 LPA	Campus
ABHISHEK SONKAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ADEEL MASOODI	MuSigma	10/9/2015	7.00 LPA	Campus
ADITYA GUPTA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ADITYA MAHAJAN	Infosys	12/10/2015	3.25 LPA	Campus
AISHWARYA	Alstom Transport	21/9/2015	5.00 LPA	Campus
AISHWARYA DATT	Valforma	2/8/2015	2.95 LPA	Campus
AISHWARYUMESH	Infogain	21/8/2015	4.20 LPA	Campus
AJAY UPADHYAY	Infosys	12/10/2015	3.25 LPA	Campus
AKASH TALREJA	Pompeii Connect	4/27/2016	3.05 LPA	Campus
AKHILESHWAR SAMBYAL	Pompeii Connect	4/27/2016	3.05 LPA	Campus
AKSHAY DWIVEDI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
AKSHAY KUMAR	Yodlee	1/10/2015	8.75 LPA	Pool Campus
AKSHIT KOUL	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
AKSHIT KOUL	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ALAF AZAM KHAN	Infogain	21/8/2015	4.20 LPA	Campus
ALAF AZAM KHAN	Yodlee	1/10/2015	8.75 LPA	Pool Campus
AMAN GUPTA	Infosys	12/10/2015	3.25 LPA	Campus

AMAN SHARMA	Pompeii Connect	27/4/2016	3.05 LPA	Campus
AMANJOT SINGH	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
AMAR AGRAHARI	Infogain	21/8/2015	4.20 LPA	Campus
AMIT RANJAN	Infosys	12/10/2015	3.25 LPA	Campus
ANAMIKA CHAKRABARTY	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ANAMIKA CHAKRABARTY	BLUE STAR	6/3/2016	4.50 LPA	Campus
ANAV GUPTA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ANISH CHOUDHARY	Infogain	21/8/2015	4.20 LPA	Campus
ANKIT KUMAR	Tata Motors	16/9/2015	6.15 LPA	Campus
ANKIT SRIVASTAV	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ANKIT SRIVASTAV	ABB	4/11/2015	5.00 pa	Campus
ANSHU JAIN	Infosys	12/10/2015	3.25 LPA	Campus
ANUBHAV RAI	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
ANUBHAV RAI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ANUJ GUPTA	FCS-Teksystem	17/8/2015	6.00 LPA	Pool Campus
ANUJ GUPTA	Valforma	2/8/2015	2.95 LPA	Campus
ANUJ GUPTA	Yodlee	1/10/2015	8.75 LPA	Pool Campus
ANUVESH KOTHARI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
APARAJITA TIWARI	MuSigma	10/9/2015	7.00 LPA	Campus
APARNA RAI	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
APARNA RAI	Valforma	2/8/2015	2.95 LPA	Campus
ARCHIT DUBEY	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ARGHO JYOTI DAS	Pompeii Connect	4/27/2016	3.05 LPA	Campus
ARPIT KUMAR NARULA	Maruti	29/9/2015	6.00 LPA	Campus
ARVIND YADAV	Pompeii Connect	4/27/2016	3.05 LPA	Campus
ARVIND CHAUHAN	Pompeii Connect	4/27/2016	3.05 LPA	Campus
ASHISH	Infosys	12/10/2015	3.25 LPA	Campus
ASHISH CHANDER	Infosys	12/10/2015	3.25 LPA	Campus
ASHUTOSH SINGH	Infosys	12/10/2015	3.25 LPA	Campus
ASTEER CHAUHAN	Maruti	29/9/2015	6.00 LPA	Campus
ASTEER CHAUHAN	MuSigma	10/9/2015	7.00 LPA	Campus
AVICHAL GUPTA	Maruti	28/9/2015	6.00 LPA	Campus
AVINASH NEGI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
AVINASH NEGI	BLUE STAR	4/3/2016	4.50 LPA	Campus
AVNI SINGH	DESL	1/3/2016	3.80 LPA	Campus
AYUSH GOYAL	AAKASH INSTITUTE	6/1/2016	5.60 LPA	OffCampus
AYUSH KARNA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
AYUSH KUMAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
AYUSHMAAN SHARMA	Infosys	12/10/2015	3.25 LPA	Campus
BRIJ BHUSAN KHAJURIA	Infogain	21/8/2015	4.20 LPA	Campus
BRIJ BHUSAN KHAJURIA	Samsung R&D	30/4/2016	10.0 LPA	OffCampus
CHANDRA KANT CHAUHAN	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
CHIRAG GUPTA	Infosys	12/10/2015	3.25 LPA	Campus
DEVESH KAHI	Pompeii Connect	4/27/2016	3.05 LPA	Campus
DHARMENDRA SINGH	Pompeii Connect	4/27/2016	3.05 LPA	Campus
DINESH SAINI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus

FAROOQ AH WANI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
FAYAZ AHMAD	Pompeii Connect	4/27/2016	3.05 LPA	Campus
GAJANAND GUPTA	Pompeii Connect	27/4/2016	3.05 LPA	Campus
GAURAV SAINGER	Infosys	12/10/2015	3.25 LPA	Campus
GAURAV SHALOTRA	SKF	28/10/2015	4.25 LPA	Campus
GIRISH KUMAR	AAKASH INSTITUTE	5/1/2016	5.60 LPA	OffCampus
GOPENDRA MOHAN	Infosys	12/10/2015	3.25 LPA	Campus
GULSHAN KUMAR	Infosys	12/10/2015	3.25 LPA	Campus
GULSHAN KUMAR	SAP labs	8/11/2015	9.00 LPA	Pool Campus
HARSH DEEP SINGH JASROTIYA	MuSigma	10/9/2015	7.00 LPA	Campus
HARSH PRASAD	Infosys	12/10/2015	3.25 LPA	Campus
HARSH PRASAD	STERLITE	11/30/2015	4.50 LPA	Campus
HEMANSHI SARANGAL	Pompeii Connect	4/27/2016	3.05 LPA	Campus
HIMANI RAINA	SEGACIOUS RESEARCH	15/5/2016	4.80 LPA	Campus
HIMANSHU GUPTA	Infosys	12/10/2015	3.25 LPA	Campus
HITESH KUMAR MEENA	Pompeii Connect	27/4/2016	3.05 LPA	Campus
HRISHABH GOKHRU	Infosys	12/10/2015	3.25 LPA	Campus
IDREES AMAD WANI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
IESHITA CHOUDHARY	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ISHFAQ AHMAD NAJAR	Pompeii Connect	4/27/2016	3.05 LPA	Campus
JASWINDER SINGH	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
KAJAL CHAUCHAN	Infosys	12/10/2015	3.25 LPA	Campus
KANISH JAIN	Valforma	2/8/2015	2.95 LPA	Campus
KANISHKA DHAR	MuSigma	10/9/2015	7.00 LPA	Campus
KETAN KUMAR	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
KIRTY BHUSHAN	Infogain	21/8/2015	4.20 LPA	Campus
KULJINDER PAL SINGH	Alstom Transport	21/9/2015	5.00 LPA	Campus
KUNAL RAI	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
LALIT KUMAR	Infosys	12/10/2015	3.25 LPA	Campus
LOKESH KUMAR BAIRWA	Pompeii Connect	4/27/2016	3.05 LPA	Campus
MANAN BHATT	Alstom Transport	21/9/2015	5.00 LPA	Campus
MANOJ CHOROTIYA	Pompeii Connect	27/4/2016	3.05 LPA	Campus
MARTAND PRATAP SINGH	STERLITE	11/30/2015	4.5 LPA	Campus
MAYANK SHARMA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
MAYANK SHARMA	BLUE STAR	3/3/2016	4.50 LPA	Campus
MAYUR AGARWAL	MuSigma	10/9/2015	7.00 LPA	Campus
MEENU	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
MEHREEN JABEEN	Infosys	12/10/2015	3.25 LPA	Campus
MEHWISH SHAH	MuSigma	10/9/2015	7.00 LPA	Campus
MIR ATIF	Infosys	12/10/2015	3.25 LPA	Campus
MOHAMMAD BHAT	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
MOHAMMAD YUNUS	Infosys	12/10/2015	3.25 LPA	Campus
MOHIT	Maruti	28/9/2015	6.00 LPA	Campus
MOHIT BHAT	MuSigma	10/9/2015	7.00 LPA	Campus
MOHIT KUMAR	Pompeii Connect	27/4/2016	3.05 LPA	Campus
MOHIT SAHARAN	Infosys	12/10/2015	3.25 LPA	Campus

MOHIT SAXENA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
MUDITA SINGH	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
MURLI KRISHAN BAIRAGI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
NAJMMU SHORA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
NASIR BASHIR	Infosys	12/10/2015	3.25 LPA	Campus
NEERAJ BAPORIYA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
NEETU SINGH	Pompeii Connect	4/27/2016	3.05 LPA	Campus
NEHA KUMARI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
NIKHIL GUPTA	Tata Motors	16/9/2015	6.15 LPA	Campus
NIRBHAY SINGH SHEKHAWAT	Infosys	12/10/2015	3.25 LPA	Campus
NIVRANSHU HANS	Infosys	12/10/2015	3.25 LPA	Campus
OMAIS SHAFI PANDITH	Infosys	12/10/2015	3.25 LPA	Campus
OMKAR WAGHMARE	MuSigma	10/9/2015	7.00 LPA	Campus
OMKAR WAGHMARE	Tata Motors	16/9/2015	6.15 LPA	Campus
PARMENDER CHAHAL	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
POBAN KUMAR NEWAR	Pompeii Connect	4/27/2016	3.05 LPA	Campus
PRABHAT DAYAL	MuSigma	10/9/2015	7.00 LPA	Campus
PRADEEP KUMAR MISHRA	Pompeii Connect	4/27/2016	3.05 LPA	Campus
PRANTIK BISWAS	MuSigma	10/9/2015	7.00 LPA	Campus
PRASHANT KUMAR	Infosys	12/10/2015	3.25 LPA	Campus
PRASHANT LAVANIA	Infosys	12/10/2015	3.25 LPA	Campus
PRATEEK PAGARIA	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
PRATIBHU PRASHAR	Infosys	12/10/2015	3.25 LPA	Campus
PRATIK SINHA	Infosys	12/10/2015	3.25 LPA	Campus
PRAVEEN SAH	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
PRITHVI PATIL	MuSigma	10/9/2015	7.00 LPA	Campus
RAGHAV KHAJURIA	MuSigma	10/9/2015	7.00 LPA	Campus
RAHUL BHARDWAJ	Pompeii Connect	4/27/2016	3.05 LPA	Campus
RAHUL GUPTA	Tata Motors	16/9/2015	6.15 LPA	Campus
RAHUL JIJ	Infogain	21/8/2015	4.20 LPA	Campus
RAHUL KUMAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
RAHUL PANDEY	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
RAHUL PANWAR	Infosys	12/10/2015	3.25 LPA	Campus
RAHULGOEL	Infosys	12/10/2015	3.25 LPA	Campus
RAJAT BHARADWAJ	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
RAJAT SHARMA	Tata Motors	16/9/2015	6.15 LPA	Campus
RAJAT SRIVASTAVA	Infosys	12/10/2015	3.25 LPA	Campus
RAJU ANDOTRA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
RAKESH KUMAR	BCloud	9/9/2015	6.25 LPA	OffCampus
RAKESH KUMAR	Yodlee	1/10/2015	5.75 LPA	Pool Campus
RAMESH KUMAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
RAMKARAN YADAV	Infogain	21/8/2015	4.20 LPA	Campus
RANJEET SINGH	Infosys	12/10/2015	3.25 LPA	Campus
RASHIQ MALIK	MuSigma	10/9/2015	7.00 LPA	Campus
RATNESH OJHA	Pompeii Connect	4/27/2016	3.05 LPA	Campus
RAVI KUMAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus

RAVI KUMAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
RIDHANSH PRASHER	Infosys	12/10/2015	3.25 LPA	Campus
RISHABH GARG	Infosys	12/10/2015	3.25 LPA	Campus
RISHABH TIKOO	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
RITVIK TIWARI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ROHAN DUSSA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ROHIT MANHAS	Infosys	12/10/2015	3.25 LPA	Campus
ROHIT RANJAN VERMA	Infosys	12/10/2015	3.25 LPA	Campus
ROHIT RANJAN VERMA	Yodlee	1/10/2015	5.75 LPA	Pool Campus
ROHIT RAVI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ROHITAS KUMAR	Maruti	28/9/2015	6.00 LPA	Campus
RUDHAN SHARMA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
SACHIN VERMA	Infosys	12/10/2015	3.25 LPA	Campus
SAMEER JHA	BLUE STAR	5/3/2016	4.50 LPA	Campus
SAMEER KUMAR	MuSigma	10/9/2015	7.00 LPA	Campus
SAMEER KUMAR JHA	MuSigma	10/9/2015	7.00 LPA	Campus
SAMPADHA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
SANA MAHAJAN	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
SANA MAHAJAN	Valforma	2/8/2015	2.95 LPA	Campus
SANA MAHAJAN	Yodlee	1/10/2015	5.70 LPA	Pool Campus
SANDEEP KUMAR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
SANDEEP KUMAR SINGH	Infosys	12/10/2015	3.25 LPA	Campus
SANJEEV KUMAR	Pompeii Connect	4/27/2016	3.05 LPA	Campus
SARTHAK AGARWAL	Infosys	12/10/2015	3.25 LPA	Campus
SARVESH LANGER	Alstom Transport	21/9/2015	5.00 LPA	Campus
SARVESH LANGER	MuSigma	10/9/2015	7.00 LPA	Campus
SATYAJEET OMKAR	Infosys	12/10/2015	3.25 LPA	Campus
SATYAM SHARMA	Alstom Transport	21/9/2015	5.00 LPA	Campus
SAUMYA SHARMA	Valforma	2/8/2015	2.95 LPA	Campus
SAURABH SINGH	AAKASH INSTITUTE	15/12/2015	5.60 LPA	OffCampus
SHADAB AHMAD GHANI	MuSigma	10/9/2015	7.00 LPA	Campus
SHADAB AHMAD GHANI	Tata Motors	16/9/2015	6.15 LPA	Campus
SHAIPHALI MAHAJAN	MuSigma	10/9/2015	7.00 LPA	Campus
SHARAZ AHMAD MALIK	Alstom Transport	21/9/2015	5.00 LPA	Campus
SHIVAM SHEKHAVAT	Infosys	12/10/2015	3.25 LPA	Campus
SHIVANI KUMARI	Pompeii Connect	4/27/2016	3.05 LPA	Campus
SHIVENDRA SINGH	Infosys	12/10/2015	3.25 LPA	Campus
SHOAIB BAZAZ	Maruti	28/9/2015	6.00 LPA	Campus
SHREYA GUPTA	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
SHUBHAM CHOUDHARY	Tata Motors	16/9/2015	6.15 LPA	Campus
SHUBHAM DWIVEDI	MuSigma	10/9/2015	7.00 LPA	Campus
SHUBHAM GOYAL	Infogain	21/8/2015	4.20 LPA	Campus
SHUBHAM GOYAL	Yodlee	1/10/2015	5.75 LPA	Pool Campus
SHUBHAM MITTAL	Alstom Transport	21/9/2015	5.00 LPA	Campus
SHUBHANG SHARMA	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
SIBGAT ALLAH BHAT	Infogain	21/8/2015	4.20 LPA	Campus
SIDDHARTH VYAS	Maruti	29/9/2015	6.00 LPA	Campus

SIDDHARTH VYAS	MuSigma	10/9/2015	7.00 LPA	Campus
SONALI PARGAL	Alstom Transport	21/9/2015	5.00 LPA	Campus
SUBHODEEP SINGH GAHLOT	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
SUCHINDER SINGH	Fiat Chrysler Automobiles	26/11/2015	4.25 LPA	OffCampus
SUDHEER KUMAR RANA	Infosys	12/10/2015	3.25 LPA	Campus
SUKHNEEK SINGH	MuSigma	10/9/2015	7.00 LPA	Campus
SUNNY KOUNDAL	Pompeii Connect	4/27/2016	3.05 LPA	Campus
SURAJ MISHRA	Alstom Transport	21/9/2015	5.00 LPA	Campus
SURBHI PARGAL	Alstom Transport	21/9/2015	5.00 LPA	Campus
SWYAM GUPTA	Infosys	12/10/2015	3.25 LPA	Campus
SYED KASHIF	MuSigma	10/9/2015	7.00 LPA	Campus
SYED MUJADID MUZAMIL	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
TAKSH JYOTI	Greyb	10/9/2015	4.36 LPA	Campus
TANUSHREE	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
TANUSHREE	Yodlee	1/10/2015	5.75 LPA	Pool Campus
TANVEER AHMAD	Tata Motors	16/9/2015	6.15 LPA	Campus
TARIQ BASHIR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
TARUN KUMAR DUBEY	FCS-Teksystem	17/8/2015	6.00 LPA	Pool Campus
TARUN KUMAR SINGH	Maruti	29/9/2015	6.00 LPA	Campus
TARUN KUMAR SINGH	MuSigma	10/9/2015	7.00 LPA	Campus
TARUNPAL SINGH	Maruti	29/9/2015	6.00 LPA	Campus
TARUNPAL SINGH	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
TEJENDER SINGH SISODIYA	MuSigma	10/9/2015	7.00 LPA	Campus
TINU RAJA	Infosys	12/10/2015	3.25 LPA	Campus
UMANG AGARWAL	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
UMANG BHATIA	Infosys	12/10/2015	3.25 LPA	Campus
UMAR MANZOOR	MuSigma	10/9/2015	7.00 LPA	Campus
UMESH KESARI	ASIAN PAINTS	30/10/2015	4.50 LPA	OffCampus
VAIBHAV SINGH	FCS-Teksystem	17/8/2015	6.00 LPA	Pool Campus
VAISHALI KASHYAP	MuSigma	10/9/2015	7.00 LPA	Campus
VARUN DHIMAN	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
VARUN DHIMAN	Valforma	2/8/2015	2.95 LPA	Campus
VIDIT VAIBHAV	Infosys	12/10/2015	3.25 LPA	Campus
VIKAS KUMAR SINGH	Infosys	12/10/2015	3.25 LPA	Campus
VIKRAM CHAUHAN	AFCONS INFRA	15/3/2016	4.80 LPA	Pool Campus
VIMAL SINGH	AFCONS INFRA	14/3/2016	4.80 LPA	Pool Campus
VINAYAK WAZIR	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
VIRAG JAIN	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
VISHAL CHAUDHARY	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
VISHAL GUPTA	Intellect Design Arena	26/8/2015	5.00 LPA	Campus
VISHAL SHARMA	Tata Motors	16/9/2015	6.15 LPA	Campus
VISHAL SINGH	Maruti	29/9/2015	6.00 LPA	Campus
VISHWAJEET SINGH	Infogain	21/8/2015	4.20 LPA	Campus
VIVEK VIKRAM SINGH	Pompeii Connect	4/27/2016	3.05 LPA	Campus
WASEEM AKRAM	Pompeii Connect	4/27/2016	3.05 LPA	Campus
WASEEM ANJUM	Pompeii Connect	4/27/2016	3.05 LPA	Campus

WASEEM BASHIR SHAH	Alstom Transport	21/9/2015	5.00 LPA	Campus
WASEEM BASHIR SHAH	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
YASH ANAND	Infosys	12/10/2015	3.25 LPA	Campus
YASH ANAND	Valforma	2/8/2015	2.95 LPA	Campus
YASH ANAND	STERLITE	12/1/2015	4.50 LPA	Campus
YOGESH KUMAR	Infosys	12/10/2015	3.25 LPA	Campus
ZAHID BHAT	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ZARQA NAQUIB	MuSigma	10/9/2015	7.00 LPA	Campus
ZEESHAN ALI	Tata Consultancy Services	23/8/2015	3.33 LPA	Campus
ZULKIFIL	STERLITE	12/2/2015	4.50 LPA	Campus

*Rs. Lacs per annum

6.2. *CENTRAL LIBRARY*

The Institute has a Central Library named Library & information Resources Centre to cater to the needs of students, faculty, supporting staff and research scholars. 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 which had suffered huge losses due to September 2014 floods took number of steps for making up the losses and books worth around 30 lacs were purchased and a massive renovation is going on.

At present the readers have access to library OPAC and circular section is computerized. Following e-resources through INDEST consortium are available online through the 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. CAS & SDI services
3. Reprographic services.

Library Timing.

9.00 a.m. to 9.00 p.m (During Summer)

9.00 a.m. to 8.00 p.m (During Winter)

Services to SC/ST students.

The library has got good collection of some ten thousand 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.

6.3 Planning & Development Wing

The Planning & Development Wing of this Institute is responsible for executing the maintenance works up to tune of Rs.60.00 Lacs & rest major works are being executed CPWD. The following listed works have been executed by P & D Wing during 2015-2016

S.No.	Name of work	Total Expenditure
1	Electrification of Heat Transfer Lab of Mechanical Engg. Lab.	Rs. 2,79,636/-
2.	Electrification of Refrigeration and Air Conditioning Lab. Of Mechanical Engg.	Rs. 2,93,790/-
3.	Renovation of Director's office and committee Room	Rs.23,67,251/-
4.	Renovation of Mechanical Engineering Lab.	Rs. 7,54,106/-
5.	Improvement of damaged road by way of laying GCB, Metalling, 50mm thick macadam	Rs. 36,45,674/-
6.	Renovation of Academic section by fabrication of cupboards & computer tables.	Rs. 3,83,735
7.	Electrification of seminar Room of computer science Engineering Deptt.(I.T.)	Rs.3,69,144/-
8.	Renovation of Gypsy Shed for use of Foundary section. (Electrical Part)	Rs.1,38,625/-
9.	Renovation of Soil lab of civil Engineering Deptt.	RS. 1,94,360/-
10.	Renotton of transportation and traffic lab.	Rs. 2,91,742/-
11	Renovation of Electrification of Geology lab. Of Civil Engg.	Rs. 2,10,408/-
12	Renovation of EPD Cell	Rs. 4,58,604/-
13	Renovation of Seminar Hall of WRMC Department	Rs. 2,89,910/-
14	P/F of False ceiling to the corridors of Computer Center Building	Rs. 2,58,953/-
15	Renovation of ceiling of Chemical Engineering Dept.	Rs. 6,91,199/-
16	Providing & fixing of glow sign boards	Rs. 5,49,720/-
17	Renovation of Maintenance and repair of D.G shed.	Rs. 13,39,433/-
18	Renovation of Staff Club near guest house. (Electrical Part)	Rs. 2,75,952/-
19	Renovation of concrete lab. of Civil Engineering Department	Rs. 3,59,654/-
20	Renovation of Transportation Lab (Civil Part)	Rs. 6,27,452/-
21	Renovation of Academic section by fabrication of cupboards & computer tables (Electric Part)	Rs. 1,60,570/-

22	Semidense coat to all roads of NIT campus	Rs. 54,14,423/-
23	Reniovation of Solar house	Rs. 8,16,691/-
24	Renovation of Activity centre.	Rs. 8,43,344/-
25	Upgradation of Badminton courts for 4 No's 10x20 m.	Rs. 4,07,354/-
26	Repair & Renovation of Medical unit	Rs.2,78,015.00
27	Construction of Pathways	Rs. 12,25,639/-
28	Fencing of different parks size 4'x0"	Rs. 15,55,958/-
29	Renovation of Seminar Hall of Civil Engg. Deptt.	Rs. 78,848/-
30	Painting etc. of EM&R, Power Station, PG Hostel Block, Humanities Block, Hostel Office, Staff club & Academic Block (Flood damaged).	Rs.4,32,238/-
31	Face lifting of some Institute buildings	Rs. 18,35,067/-
32	Renovation of Jhelum,C- Block and Dal Hostel(Flood Damaged)	Rs.12,39,336/-
33	Renovation of S-Quarters	Rs.12,53,458/-

Works Executed Under Civil Stage		
1	Paneling of T&P office room.	Rs. 1,58,387/-
2	P/F Floor tiles, wash basins etc at common hall.	Rs. 1,95,489/-
3	Painting & distempering of I/C Engine, Heat transformer, Steam Engine Lab.& foundry section	Rs. 2,41,532/-
4	Repair/Renovation of Ground floor of Activity Centre and its face lifting	Rs. 1.34 lacs
5	Construction of Platform for Electrical Panels in DG Shed	Rs.82,654.00
6	Renovation of Tin shed near Jhelum extension	Rs. 4,98,401/-
7	Minor Renovation of Electrical Deptt.	Rs. 2,38,035/-
8	Sanitary repair of Dal Hostel	Rs. 5,00,808/-
9	Repair of Footpath outside the main gate	Rs. 1,06,333/-
10	Renovation & Repair of EDP cell	Rs. 92,000/-
11	Fabrication of Ply Wood Working Table Along The Walls in Physics Lab.	Rs1,13,032
12	Demolition of Kitchen Counter of S quarter.	Rs. 65,877/-
13	Renovation of EM&R Bathroom.	Rs. 59,965/-
14	Providing & fixing of tiles and replacement of damaged door, window shutters of Staff Club.	Rs. 2,03,211/-
15	Construction of Compound walling for Basket Ball Court near Girls Hostel.	Rs. 1,06,790/-
16	Repair /Renovation of Security Office and Security toilet block at Main Gate.	Rs. 41,724/-
17	Replacement of damaged rolling shutters of Estates store and Fluid Mechanics Lab.	Rs. 21,171/-

18	Renovation of Room No. 117 of Civil Engineering Department.	Rs. 46,122/-
19	Const. of gable swell in WRMC.	Rs. 1,76,783/-
20	Demolishing of kitchen counter of S quarter	Rs. 65,877/-
21	Renovation of Bath room near newly converted PG Hostel.	Rs. 3,28,357/-
22	Renovation of Fluid mechanics lab.	Rs. 2,29,787/-
23	Repair and Renovation of Civil Engineering Attic.	Rs. 1,19,125/-
24	Construction of Desilting chamber, Septic tank, Man holes in various Hostels.	Rs. 1,63,766/-
25	Construction of wash room and toilet block of common hall	Rs, 2,96,369/-
26	Renovation of T & P office. (CIVIL PART)	Rs 3,15,461/-
27	Painting and distempering P2 & P3 Qtrs.	Rs. 2,85,425/-
28	Painting and distempering of institute library.	Rs. 2,65,009/-
29	Construction of security booth including drop gate near main gate.	Rs. 4,23,348/-
30	P/F of Fencing & Gate for Tawi Hostel/C- Block at NIT Srinagar	Rs. 1,51,777/-
31	Renovation of Civil stage	Rs. 3,11,647/-
32	Repair of Indus and Chenab Mess	Rs. 94,466/-
33	Sanitary fittings for Toilet Block of Common hall.	Rs. 1,25,238/-
34	Renovation of T&P office. (sanitary part)	Rs. 1,17,325/-
35	Renovation of Footpath of Common Hall by way of P/F of Kota stone	RS. 1,32,414/-
36	Fabrication of Almirah's in soil lab and chemistry lab	Rs. 4,79,706/-

Works under Electric Stage		
1	Renovation of Electrification of Tribology Lab Mech. Engg. Deptt.	Rs. 1,73,273/-
2	Electrification of new Washrooms in Common-hall and new M. tech hostel block.	Rs. 97,385/-
3	Renovation of Electrification of I.T Engg. Deptt of Institute	Rs. 1,80,500/-
4	P/F of A/C to Directors Lodge with minor renovation of Electrification	Rs. 1,28,173/-
5	P/F of Projectors to Attic Class - Rooms of Institute	Rs. 3,63,555/-
6	Electrification of Solar House	Rs. 1,00,893/-
7	P/F of Air conditioners to server rooms of computer service centre and Tribology Lab. of Mechanical Engg. Deptt.	Rs. 2,62,238/-
8	Renovation of electrification of chemical Engg. Lab.	Rs. 2,94,573/-
9	Electrification of 6 No's Attics of Jhelum Hostel.	Rs. 2,18,373/-
10	Renovation of Main Supply and Distribution Board of Dal Hostel	Rs.2,71,221/-

11	Renovation of Electrification of old \$No. of Buildings of Dal Hostel	Rs.3,63,871/-
12	Electrification of Concrete Lab of Civil Engineering Deptt.	Rs. 2,58,669/-
13	Replacement of main distribution board of power system of electrical engineering Deptt.	Rs. 84,546/-

List of Equipments/Items Purchased during 2015-2016

S. No.	Name of the equipment/Item	Date of Purchase	Amount of Purchase
1.	Flooring	4/2015	Rs. 80,488/-
2.	Flooring	4/2015	Rs. 80,488/-
3.	Bedding items	16-04-2015	Rs. 45,222/-
4.	Stabilizers	16-04-2015	Rs. 7,800/-
5.	Furnishing	21-04-2015	Rs. 26,520/-
6.	Geysers	18-05-2015	Rs. 96,000/-
7.	Officers revolving Chair	01-05-2015	Rs. 6,500/-
8.	Furnishing	19-05-2015	Rs. 82,400/-
9.	Revolving Chair	08-06-2015	Rs. 5,675/-
10.	Revolving Chair	08-06-2015	Rs. 3,519/-
11.	Seater Bench	08-06-2015	Rs. 12,485/-
12.	Seater Bench	08-06-2015	Rs. 6,243/-
13.	Crewel Curtains	08-07-2015	Rs. 13,800/-
14.	Programmable display outdoor Screen	13-06-2015	Rs. 99,500/-
15.	Revolving Chair	28-07-2015	Rs. 3,940/-
16.	Revolving Chair	28-07-2015	Rs. 3,940/-
17.	Bicycle	21-08-2015	Rs. 9,000/-
18.	Carpet	24-07-2015	Rs. 14,607/-
19.	Carpet	24-07-2015	Rs. 14,881/-
20.	Board with stand (Poster display board)	18-08-2015	Rs. 15,000/-
21.	Board with stand (Poster display board)	21-08-2015	Rs. 10,000/-
22.	Carpet	07-08-2015	Rs. 14,823/-
23.	Carpet	08-08-2015	Rs. 13,455/-
24.	Locks	30-07-2015	Rs. 12,643/-
25.	Wall panel	20-10-2015	Rs. 12,500/-
26.	Geysers	06-01-1026	Rs. 85,400/-
27.	Programmable display outdoor Screen	18-01-2016	Rs. 99,800/-
28.	Sofa Sets	18-01-2016	Rs. 95,800/-
29.	Curtains cloth	25-01-2016	Rs. 83,200/-
30.	Bed & Dressing table	25-01-2016	Rs. 98,801/-
31.	Flooring	29-01-2016	Rs. 20,200/-

32.	<i>Sofa Set, Refrigerator, Washing Machine</i>	<i>03-02-2016</i>	<i>Rs. 99,499/-</i>
33.	<i>Curtain plain</i>	<i>08-02-2016</i>	<i>Rs. 18,200/-</i>
34.	<i>Geysers</i>	<i>10-02-2016</i>	<i>Rs. 67,350/-</i>
35.	<i>Curtain cloth</i>	<i>16-02-2016</i>	<i>Rs. 85,500/-</i>
36.	<i>Bedding items</i>	<i>16-02-2016</i>	<i>Rs. 84,400/-</i>
37.	<i>Geysers</i>	<i>12-02-2016</i>	<i>Rs. 67,350/-</i>
38.	<i>Cloth Stand (drying)</i>	<i>16-02-2016</i>	<i>Rs. 1,00,000/-</i>
39.	<i>Curtains/flags</i>	<i>17-02-2016</i>	<i>Rs. 76,370/-</i>
40.	<i>Furniture items/Refrigerator</i>	<i>23-02-2016</i>	<i>Rs. 98,318/-</i>
41.	<i>Hospital beds</i>	<i>02-03-2016</i>	<i>Rs. 85,100/-</i>
42.	<i>Officers Revolving Chair</i>	<i>23-03-2016</i>	<i>Rs. 6,900/-</i>
43.	<i>Flooring</i>	<i>31-03-2016</i>	<i>Rs. 86,950/-</i>
44.	<i>Flooring</i>	<i>31-03-2016</i>	<i>Rs. 40,698/-</i>
45.	<i>Executive table & Chair</i>	<i>31-03-2016</i>	<i>Rs. 98,500/-</i>
46.	<i>Furniture items</i>	<i>31-03-2016</i>	<i>Rs. 35,866/-</i>
47.	<i>Double beds</i>	<i>28-04-2016</i>	<i>Rs. 72,028/-</i>
48.	<i>Flooring</i>	<i>31-03-2016</i>	<i>Rs. 15,000/-</i>
49.	<i>Furniture items</i>	<i>24-04-2016</i>	<i>Rs. 48,300/-</i>
50.	<i>Water Purifier System</i>	<i>29-04-2016</i>	<i>Rs. 90,600/-</i>
51.	<i>Officers Revolving Chair</i>	<i>04-05-2016</i>	<i>Rs. 9,600/-</i>
52.	<i>Officers Revolving Chair</i>	<i>04-05-2016</i>	<i>Rs. 5,500/-</i>
53.	<i>Crewel Curtains</i>	<i>19-05-2016</i>	<i>Rs. 99,750/-</i>
54.	<i>Vertical blind</i>	<i>30-05-2016</i>	<i>Rs. 16,320/-</i>
55.	<i>Officers Chair</i>	<i>01-06-2016</i>	<i>Rs. 7,200/-</i>
56.	<i>Kulron Mattress</i>	<i>31-05-2016</i>	<i>Rs. 13,000/-</i>
57.	<i>Flags (Silk)</i>	<i>06-06-2016</i>	<i>Rs, 14,400/-</i>

6.4 CENTRAL WORKSHOP

Senior Technical Officer : Er. S.I.A. Qadri

- Technical Officers:**
- 1. Mr. A. H. Khan,**
 - 2. Mr. G. N. Lollpuri**

Introduction

The field of engineering continues to grow rapidly, transcending disciplines and driving economic growth. Workshop practice have become more significant in the industrial environment to manufacture products for the service of the mankind. Workshop Practice is a core subject and is highly essential for all engineers and technocrats for formalizing themselves with the latest techniques and concepts of manufacturing. The basic requirement is to impart instructions and practical knowledge of workshop technology to all the engineering students. In addition to introduction to various tools, processes and materials, live practical demonstration has been prepared for various trades in the workshop.

A well equipped workshop forms the most important centre in all the Engineering institutions for training of students of all the branches and trades. The students are trained to acquire basic knowledge and skills about engineering materials, manufacturing practices, equipment, tools and safety precautions to be observed during manufacturing of different products. The students carry out manual operations using mostly hand tools and elementary machines in the carpentry, pattern making, bench work and fitting, welding, sheet metal, black smithy and forging, machining, foundry and casting trades etc.. These trades are relevant and common to most of the industries manufacturing and repairing mechanical, electrical, computers, and electronics, instrument and control products.

The student has to acquire practical knowledge and skills of using machines and equipment, various cutting, measuring and marking tools, performing main operations through simple exercises.

The Central Workshop provides facilities in various trades of fabrication and manufacturing.

The workshop is a Central facility and provides full assistance to the students of all departments to under take the classes of Workshop Practice and provides practical training in all its nine engineering streams and also looks after the transport section with an aim to provide the transport to the students for technical tours and other related functions.

The primary objective of the Central Workshop is to impart the workshop practice to the engineering students and carry out the fabrication of project work of B. Tech and M. Tech students besides it plays pivotal role in maintenance and repair work of Institute.

Central workshop carried out the various activities in academics and fabricates 59 numbers of different jobs and engineering projects of students during the 2015-2016 which is given as under: -

Students Project work

Central Workshop has undertaken fabrication of various jobs and projects of the final year students of B. Tech and M. Tech. during the period 2015-2016.

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 IGNOU PROGRAMME STUDY CENTER

The Institute also functions as A Programme Study Center for two UG and two diploma programmes of the Indra Ghandi National Open University (IGNOU), New Delhi. The programmes include B.Tech. in Water Resource Engineering and Construction Management. Diploma programmes include Diploma in Civil Engineering and Advanced diploma in Mechanical Engineering.

6.7 PHYSICAL EDUCATION

In-Charge- Dr. S. K. Bukhari

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.

Sporting and recreational facilities available to:

A. 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

B. 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.

Activities undertaken:

1. INTER SEMESTER TOURNAMENT 2015 SPRING

Inter Semester Tournament in all major outdoor and indoor games was conducted for students during month of April 2015.

2. A FRIENDLY FOOTBALL MATCH BETWEEN NIT SRINAGAR Vs GOVERNMENT MEDICAL COLLEGE SRINAGAR WAS ORGANISED BY THE DEPARTMENT OF PHYSICAL EDUCATION, NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR.

VENUE: NIT SRINAGAR

DATED: 11- 06- 2015

Result:- Match Won by NIT Srinagar by 6:0 goals.

3. "CELEBRATION OF INTERNATIONAL YOGA DAY"

As per the directions of Ministry of Human Resources Development, Government of India, New Delhi, the National Institute Technology Srinagar conducted "International Yoga Day on 21/06/2015. The students (boys/Girls) and Staff participated in the event.

4. A FRIENDLY BASKETBALL MATCH BETWEEN NIT SRINAGAR AND SSM COLLEGE OF ENGINEERING & TECHNOLOGY WAS ORGANISED BY SSM COLLEGE OF ENGINEERING & TECHNOLOGY.

VENUE: SSM COLLEGE Date: 22nd of August 2015

Match Won by SSM College

5. A FRIENDLY CRICKET TOURNAMENT BETWEEN NIT SRINAGAR AND SSM COLLEGE OF ENGINEERING & TECHNOLOGY WAS ORGANISED BY SSM COLLEGE OF ENGINEERING & TECHNOLOGY.

VENUE: SSM COLLEGE 21/09/2015—30/09/2015

Series Won by NIT-Srinagar

6. Tournament Organized by Jammu and Kashmir Football Association.

MATCH 1st DATED:- 22- 07- 2015

NIT Srinagar Vs KhanKha Memorial Football Club.

Result:- Match Draw 1:1 Goal

MATCH 2nd DATED:- 27- 07- 2015

NIT Srinagar Vs Nishat Football Club

Result:- Match Won by NIT Srinagar by 2- 1 Goals.

Match 3rd DATED:- 5- 08- 2015

NIT Srinagar Vs Celtic Football Club Lalbazar

Result:- Match Won by NIT Srinagar by 2- 0 Goals.

6. A CRICKET TOURNAMENT WAS ORGANISED BY SSB (47th Battalion) SOURA AT NIT CAMPUS IN IST WEEK OF SEPTEMBER.

VENUS: NIT SRINAGAR

NIT Srinagar Lost Match. (Knock-out)

8. INTER SEMESTER TOURNAMENTS 2015 AUTUMN

Inter Semester Tournament in all major outdoor and indoor games was conducted for students during month of October 2015.

9. "Events on Sardar Patals Birth Anniversary Day" On 31st October 2015.

9.1 "Morning Event Boys/Girls"

Cross Country Run around NIT Campus.

9.2 "Evening Events Boys/Girls"

Badminton matches between Girls.

Volley ball match between Ist Semester and 3rd Semester

Foot ball match between 5th Semester and 7th Semester

10. "PARTICIPATION IN INTER- NIT TOURNAMENTS"

NIT-Srinagar Participated in INTER NIT Football (Boys) and Kho-kho (Boys-Girls) organized by O- INSA at NIT ROURKELA from 12- 02- 2016 to 14- 02- 2016.

Football

1.NIT-Srinagar lost against NIT-Agartala. (Quarter final)

Kho-Kho (Boys)

1. NIT-Srinagar Won against NIT-Uthrakhand.

2. NIT-Srinagar lost against NIT-Rourkela.

Kho-kho (Girls)

1.NIT-Srinagar lost against NIT-Rourkela. (Quarter final)

NIT-Srinagar Participated in INTER NIT ATHLETICS (Boys-Girls) organized by O- INSA at MNIT JAIPUR from 26- 02- 2016 to 28- 02- 2016

Won Silver Medal and Bronze Medal in Long Jump and Triple Jump
NIT-Srinagar Participated in INTER NIT CRICKET TOURNAMENT organized by O-INSA at NIT - Calicut from 26- 03- 2016 to 29- 03- 20-16

Cricket

1. NIT-Srinagar Won against NIT-Agartala.

2. NIT-Srinagar lost against NIT-Silchar.

Basketball

1. NIT-Srinagar Won against NIT-Bhopal
2. NIT-Srinagar Won against NIT-Krukshetra
3. NIT-Srinagar Won against NIT-Agartala
4. NIT-Srinagar Lost against NIT-Surathkal. (Quarter Final)

6.8 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 2000 students at present . The residential capacity of each hostel is as under;

<u>S.No.</u>	<u>Name of the Hostel</u>	<u>No. of boarders</u>
1.	Jhelum / Dal Hostel	546 students
2.	Indus Hostel	536 students (against 380 capacity)
3.	Chenab Hostel	455 students (against 294 capacity)
4.	Tawi Hostel:	407 students (against 200 capacity)
5.	Girls Hostel (02 No's)	197 students.

Dr. Abdul Liman is Dean Students Welfare and Dr. Niyaz Ahamd is the Associate Dean Students Welfare.

Hostel / Mess wise list of wardens cum Mess Advisors is as under:

<u>S.No</u>	<u>Name</u>	<u>Department</u>	<u>Hostel assigned</u>
1.	Dr. Niyaz Ahmad	Mathematics	Jhelum
2.	Dr. Atiqui Rehman	Met.&Met. Engg.	Dal & Tawi
3.	Dr. Kausar Majid	Chemistry Deptt.	Girls
4.	Er Tanveer Rasool Dar	Chemical Engg Deptt.	Indus
5	Dr. A. H. Bhat	Electrical Engg.	Day Scholar

Purchases made:

S. No.	Name Of The Equipment/Items	Quantity	Date of Purchase	Amount of Purchase
01.	Electric Tri Cycles	02	20-08-2015	1,69,764 (Purchased through C.P.U)
02.	Lawn Mover	01	22-05-2015	Rs 51,000/-
03.	Water Purifiers with Water Tanks	05	22-02-2016	98,500/-
04	Dustbins	200	24-02-2016	Rs 69,000/-
05	Hangers	500	24-02-2016	Rs 14,750/-
06	Water Pumps	03	08-03-2016	Rs 14,685/-
07	Gardening Tools	-	08-03-2016	Rs 14,836/-
08	Dewatering Pump with canvas pipes	01	31-03-2016	Rs 39,350/-

ACTIVITIES

S. No.	Name of the Programme	Date when Conducted	Conducted by which Club
01.	Do you uphold the verdict in the Salman Khan's hit & run case	9th May	Quiz & Debate
02.	Swachh Bharat Abhiyaan	2nd October	Social Initiative
03.	Vigilance Awareness Week	27th October	Quiz & Debate Club
04.	Kavi Samelan	1st November	Poetry Club

6.9. RESIDENTIAL AND SHOPPING FACILITIES

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

In addition to dedicated 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:

1. Directors lodge	:	01
2. P-type Quarters	:	08
3. A-type Quarters	:	24
4. L-type Quarters	:	42

The Institute also has facilities of day to day needs, 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 & Stationery Stores	:	024
2. Barber Shop	:	01
3. Tailor Shop	:	01
4. Tea Stall / Restaurants	:	03
5. STD Stall	:	03
6. Cafeteria	:	01

6.10. MEDICAL UNIT

The Medical Unit of the Institute is headed by a qualified and experienced Medical Officer and manned by trained Lab. and other paramedical staff. A lady doctor is available daily on part time basis. The Medical Unit has a two storied separate building spread over an area of 303 sq.mtr. with a solar ward for providing indoor facilities to the staff and the students. Apart from providing facilities for consultations and investigations, medicines are issued to the students and staff free of any cost. The Unit has two Ambulances available to cater to emergencies round the clock. Both Doctors are on call. 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 also ensures hygienic in the students messes and restaurants / tea stalls by advisories and inspections.

Annual statement for the year 2015-16:

Total number of Patient's examined		Dressing and minor surgical interventions		Patient's referred to various Hospitals		Total Lab. Investigations undertaken		Patients counseled by Counselor		Total Patient admitted	
Students	Staff	Students	Staff	Students	Staff	Students	Staff	Students	Staff	Students	Staff
11000	4500	1600	600	80	20	1038	598	60	12	90	15
15,500		2200		100		1636		72/excluding F/U		105	

Total number of patients attended ----19,541 persons.

Purchases made during the year 2015-16:

S.NO.	Name of item	Quantity	Rate in Rs	Date of purchase
1	Litman,s stethoscope	01	7,429.00	25/8/15
2	Microtone stethosepe	03	858.00	Do
3	Digital thermometer	04	248.00	Do
4	B. P. Apparatus (Diamond)	01	2191.00	Do
5	Scissors-6"	03	200.00	03/09/15
6	Tissue cutting scissors	03	253.00	Do
7	Sutur cutting scissor	03	467.00	Do
8	Artry Forcep (Medium)	04	362.00	Do
9	Allice Forcep tissue	03	358.00	Do
10	Tissue Holding Forcep	03	267.00	Do
11	Mosq uito Forcep	03	324.00	Do
12	Sponge Holding Forcep	03	420.00	Do
13	Printer Canon (3 in one)	01	7619.00	20/11/15
14	UPS (Intex)	02	1923.00	20/11/15
15	Crash-cart	01	25,199.00	30/12/15
16	I/V Rod (Drip stand)	04	3172.00	Do
17	Patient stool	02	2467.00&4934.00	Do
18	Surgeon stool	01	6036.00	Do
19	X-View Box	01	2978.00	Do
20	Examination table	01	11,719.00	Do
21	Strecher with trolley	01	8723.00	Do
22	Mobile operating light	01	9604.00	Do

6.11. BANK

A fully computerized branch of J&K bank is functioning within the Institute premises having net worked ATM. The bank has installed internet banking / phone banking/mobile banking in the branch. The bank also extends swift facility of house building loans, consumer's loans and many other small loans to the staff and educations loans to the students. One more ATM by SBI has been installed during the year.



6.12. TELEPHONE EXCHANGE

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

6.13 Transport Unit

The institute has a fleet of vehicles comprising 03 cars, 02 ambulances, and a mini truck and mini Bus. Prompt attention was given to repair and maintenance of the Institute vehicles. Transport facilities were provided the various experts and other Institute guests invited for placement of students and other academic activities. The transport facilities were 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.

6.14. POST OFFICE

Though a Post and Telegraph office operates near the campus at Hazratbal, at one and a half kilometer distance, the Institute has taken step to get a Post Office established in the Campus itself for benefit of students.

7.0 ACHIEVEMENTS & INITIATIVES

The Institute continued its efforts during the year 2015-2016 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) **Ph.D.**
 - a) Awarded 12
 - b) Pursuing 181
 - c) Admitted 92

- ii) **M. Phil**
 - a) Pursuing 07
 - b) Admitted -

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 continued on 05 sponsored R &D projects amounting to about Rs.50.91 lacs.

A large number of consultancy assignments were also taken up during the year for an approximate amount of Rs.91.50 lacs.

c) Acquisition of additional Campus:

- The efforts for the acquisition of additional land were continued by the Institute and the matter is pending with the Government of J&K.

d) Seminars, Workshops and other programmes conducted :

- National Conferences ---- 02
- Short Courses / Workshops ---- 02
- INSPIRE Program ---- 01

e) Placement:

During the year under report the Department succeeded in involving many companies and other agencies in the process of placement/trainings of the students and in some departments. In addition some students were appointed through off-campus selections and good number of students has gone for higher studies.

f) Convocation 2015:

The Annual Convocation of the institute of the year 2015 was held 03-10-2015. The convocation of 2014 which could not be held due to devastating floods of September 2014 was also held along this.

g) Inter NIT Technical Festival:

The Annual technical festival named "Techwaganza 2015" was conducted by the Institute. Students from various Institutes of the Kashmir valley and some NITs in addition to large number of students of the Institute participated in the festival showcasing their technical talents. Some specialized expert lecturer were also arranged during the festival.

8.0. THE COUNCIL, BOG AND OTHER COMMITTEES

8.1. NIT 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	Nomination under Section 11 of NIT Act, 2007 (29 of 2007) Clause (a)	Dr. M. J. Zarabi (Chairman, Board of Governors, NIT Srinagar), C/o. C-28, Pamposh Enclave, Greater Kailash Part-1, New Delhi-110048
Ex-Officio	(b)	Prof. Rajat Gupta Director, National Institute of Technology Srinagar, Hazratbal, Kashmir-190006
<i>Two persons not below the rank of the Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance</i>	(c)	Mr. S. P. Goyal, Joint Secretary (NITs & DL), Ministry of Human Resource Development, Department of Secondary & Higher Education, Government of India, New Delhi
	(c)	Smt. Darshana Momaya Dabral, Joint Secretary & FA, Ministry of Human Resource Development, Department of Secondary & Higher, Government of India, New Delhi.
<i>Two persons to be nominated by the Government of the State in which the Institute is situated, from amongst persons, who, in the opinion of that Government, are technologists or industrialists of repute</i>	(d)	Commissioner Secretary, Higher & Technical Education Dept., Government of Jammu and Kashmir, Civil Secretariat, Srinagar / Jammu.
	(d)	
<i>Two persons, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council</i>	(e)	
	(e)	
<i>One Professor and one Assistant Professor or a Lecturer of the Institute to be nominated by the Senate</i>	(f)	Prof. G. M. Rather, Head, Electronics & Communication Engg. Deptt., National Institute of Technology Srinagar.
	(f)	Dr. J. M. Bandy, Associate Professor, Physics Department, National Institute of Technology Srinagar.
Member-Secretary	Section 18 Clause (2)	Prof. Fayaz Ahmad Mir, Registrar I/C, NIT, Srinagar.

8.3. FINANCE COMMITTEE:

<u>Chairman</u>		Dr. M. J. Zarabi, (Chairman, Board of Governors, NIT Srinagar), C/o. C-28, Pamposh Enclave, Greater Kailash Part-1, New Delhi-110048
<u>Members:</u> Two persons nominated by the Central Government	1	Mr. S. P. Goyal, Joint Secretary (NITs & DL), Ministry of Human Resource Development, Department of Secondary & Higher Education, Government of India, New Delhi
	2	Smt. Darshana Momaya Dabral, Joint Secretary & FA, Ministry of Human Resource Development, Department of Secondary & Higher, Government of India, New Delhi.
Two persons nominated by the BOG from amongst its members	1	Prof. G. M. Rather, Professor & Head, Electronics & Comm. Engg. Deptt., National Institute of Technology Srinagar.
	2	
Director (Ex-officio)		Prof. Rajat Gupta Director, National Institute of Technology, Hazratbal, Srinagar-190006
Member Secretary (Ex-officio)		Prof. Fayaz Ahmad Mir, Registrar I/C, National Institute of Technology Srinagar.

8.4. SENATE:

Chairman		Prof. Rajat Gupta, Director, ex-officio National Institute of Technology, Hazratbal, Srinagar-190006. (J&K),
<i>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</i>	1	<u>FIELD OF SCIENCE:</u> Prof. Veena Chowdhary, Centre for Polymer Science, Indian Institute of Technology, Hauz Khas, New Delhi.
	2	<u>FIELD OF ENGINEERING:</u> Prof. P. D. Porey, Director, Sardar Vallabhbhai National Institute of Technology Surat, Gujarat-395007
	3	<u>FIELD OF HUMANITIES:</u> Prof. Abdul Wahid, Vice-Chancellor, Central University of Kashmir, Srinagar (J&K)
		Mr. Rajesh Uppal, Executive Director IT & CIO, Information Technology Division, Maruti Suzuki India Ltd., Palam Gurgaon Road, Gurgaon-122015 (Haryana) E mail: Rajesh.Uppal@maruti.co.in
<i>The Professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute.</i>	1	All Professors
Such other members of the staff as may be laid down in the Statutes	1	All Dean, HoDs, Associate Deans, Controller of Examination, Co-ordinator 1 st & 2 nd Semester, Chairman Library Committee, Librarian and DPE.
Secretary		Prof. Fayaz Ahmad Mir, Registrar I/C, NIT, Srinagar

8.5. BUILDING AND WORKS COMMITTEE

Chairman		Prof. Rajat Gupta Director, National Institute of Technology, Hazratbal, Srinagar-190006
<u>Members:</u> Nominated by MHRD and IFD New Delhi	1	Director OR Deputy Secretary (NITs), MHRD, Department of Secondary & Higher Education, Government of India, New Delhi – 110 001.
	2	Representative of * Integrated Finance Division (IFD)
One person nominated by the Board of Governors		Syed Shuja Hussain, Former Chief Engineer (Civil) PWD J&K Government R/o:Al-Manzir, Rajbagh, Srinagar
Dean, Planning & Development		Prof. Javed Ahmad Bhat, Civil Engineering Department, NIT Srinagar
Nominee of the CPWD / State PWD	1	Mr. Dhiraj Kumar , , Superintendent Engineer (Civil), CPWD, Chandigarh.
	2	Shri Prabhakar Kumar Verma, Chief Architect, CPWD, Chandigarh
	3	Prof. Javed Ahmad Bhat, Associate Dean, P&D, NIT Srinagar
	4	Shri Rajiv Sao, Superintendent Engineer, CPWD Chandigarh
	5	Executive Engineer (Civil), CPWD, Srinagar.
	6	Er. Aijaz Ahmad Khan, Executive Engineer, Electric Division 4th Srinagar.
Secretary		Prof. Fayaz Ahmad Mir, Registrar I/C, NIT, Srinagar.

The meetings of the above statutory committees were conducted as detailed below:

<i>Name of Statutory Committee</i>	<i>Date of the meeting</i>
<i>Senate</i>	<i>1. 27-05-2015 2. 17-09-2015</i>
<i>Building Works Committee</i>	<i>1. 10-07-2015 2. 28-09-2015</i>
<i>Finance Committee</i>	<i>1. 11-07-2015 2. 28-09-2015 3. 30-12-2015</i>
<i>Board of Governors</i>	<i>1. 11-07-2015 2. 28-09-2015 3. 30-12-2015</i>