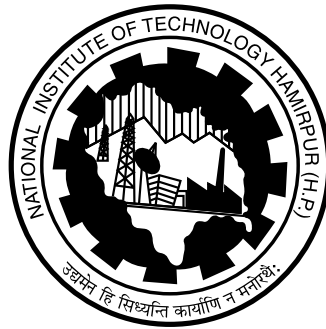


**PAPERS TO BE LAID ON THE TABLE OF  
LOK SABHA/RAJYA SABHA**

**ANNUAL REPORT & ANNUAL ACCOUNTS  
2017-18**



**(AUTHENTICATED)**

**MINISTER OF STATE IN THE  
MINISTRY OF HUMAN RESOURCE  
DEVELOPMENT  
NEW DELHI**

Dated:-

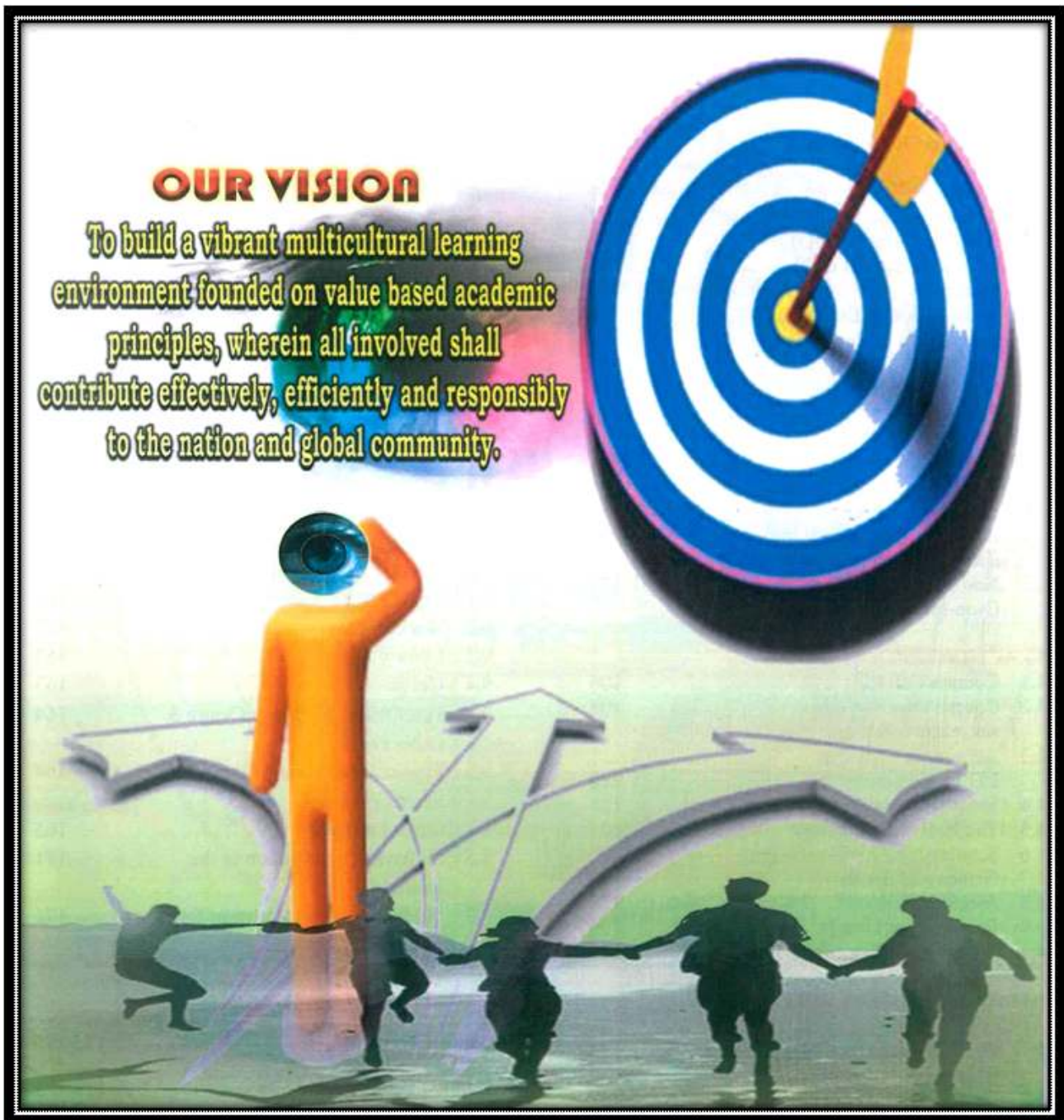
**NATIONAL INSTITUTE OF TECHNOLOGY  
HAMIRPUR (H.P.) - 177 005**



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## 1.0 INTRODUCTION

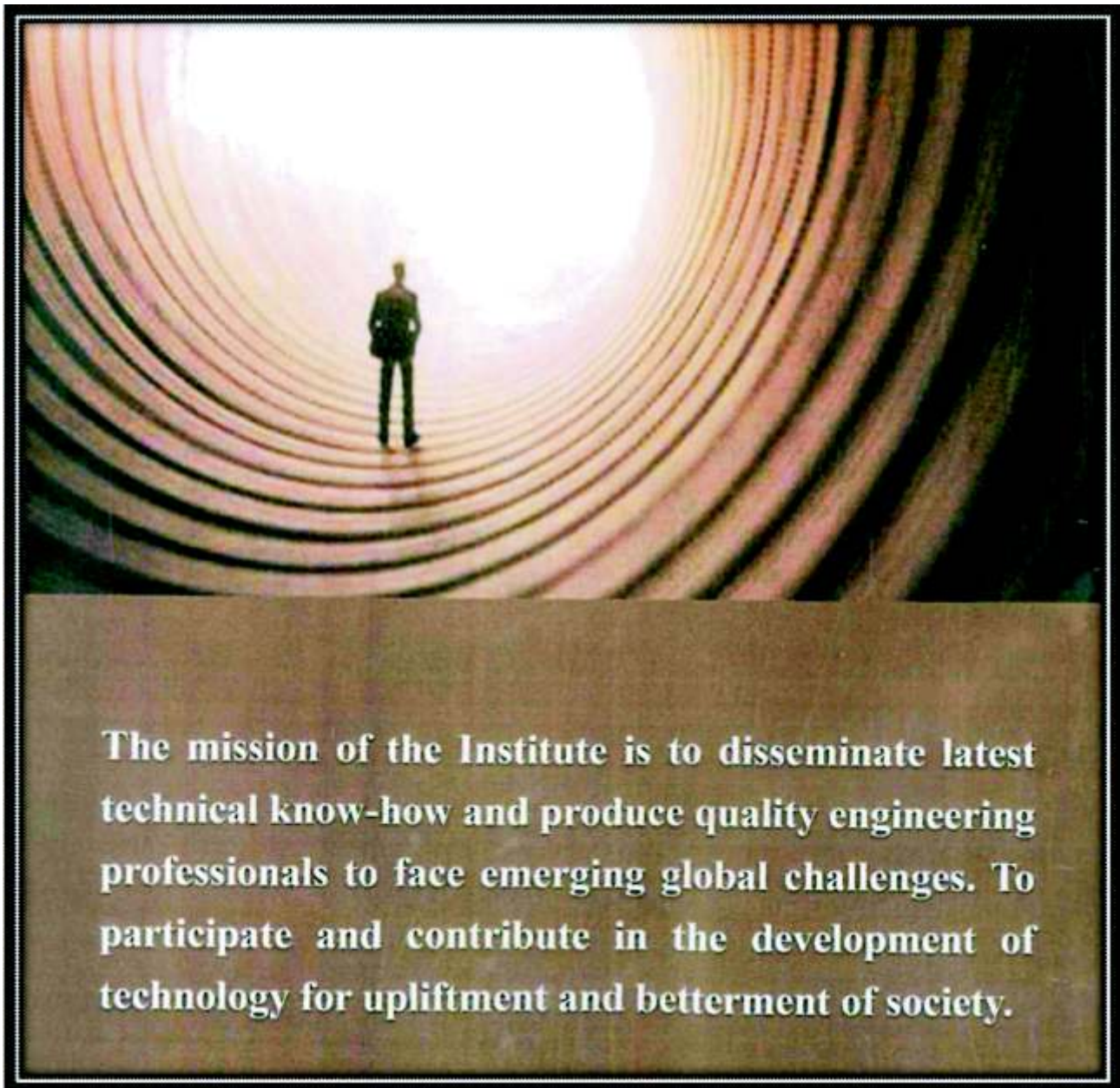


1.2

*Guiding Principle*

- Offering instructions in Engineering Arch. and Applied Sciences at a level comparable to the very best in the world.
- Providing best facilities for Postgraduate Studies and Research.
- Providing leadership in curriculum planning and laboratory development.
- Faculty Development Programmes both for its own faculty and teachers of other Engineering Institutes.
- Developing close collaboration with industry through exchange of personnel's and undertaking consultancy projects.
- Developing strong collaboration links with other academic and research institutions in the country and abroad.
- Anticipating the technological needs for India and to plan and prepare to cater to them.
- Developing continuing education programmes.
- Preparing instructional resource material in the conventional as well as audio visual and the computer modes.
- Catering to the development of a culture for maintenance and conservation.

### 1.3 Mission



## **2.0 AN OVERVIEW**

### **2.1 HISTORICAL BACKGROUND**

The National Institute of Technology, Hamirpur was established as REC in 1985 as a joint and co-operative enterprise of Government of India and Government of Himachal Pradesh. The Institute offers undergraduate and postgraduate education in Engineering, Architecture and Applied Science & Humanities disciplines, fostering the spirit of national integration among the students. It promotes a close interaction with industry and a strong emphasis on research, both basic and applied. It was given the status of Deemed University w.e.f. 26.06.2002. As a result of conversion of RECs into NITs and promulgation of the NIT Act, 2007 w.e.f. 15<sup>th</sup> August, 2007, the NIT, Hamirpur is enjoying the status of Institution of National Importance.

### **2.2 LOCATION**

The Institute campus is located on Hamirpur-Awah Devi Road on the outskirts of the Hamirpur town, at a distance of about four (04) kilometer from the bus stand Hamirpur. It is well connected by road from Shimla, Dharmashala, Delhi, Chandigarh, Jalandhar and nearby cities by all weather road. The nearest broad gauge head is at Una (Himachal Pradesh), which is eighty (80) kilometer from Hamirpur. It is about nine hours' journey by train from Old Delhi to Una and frequent bus services are available from Una to Hamirpur. From Hamirpur bus stand to NIT Campus, taxi services are also available. The nearest airport is at a distance of about eighty five (85) kilometer at Gaggal Kangra at Dharamshala and has direct airlink from Delhi and Chandigarh.

### **2.3 CAMPUS**

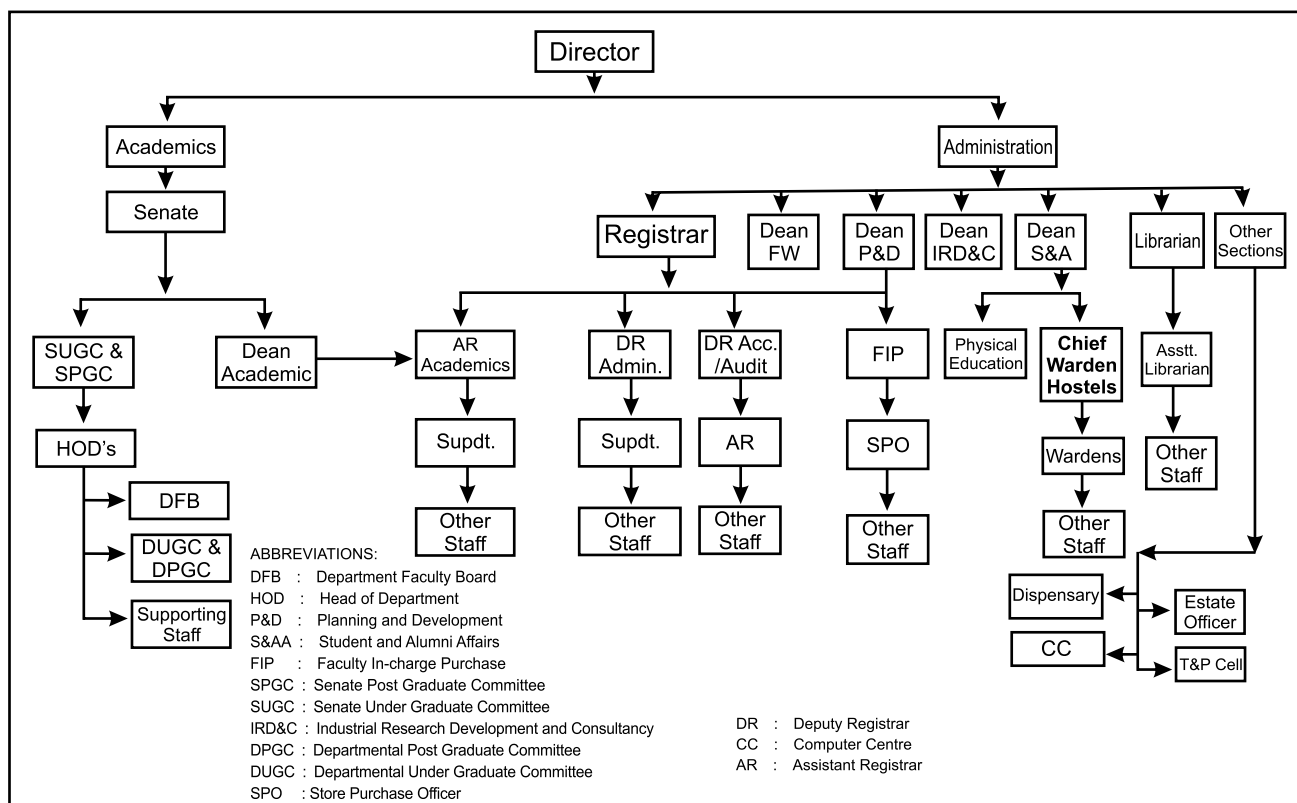
The campus has an area of 177.1 Acres in the picturesque surrounding with lush green pine trees, facing snow clad Dhauladhar mountain ranges. The place has healthy climate with moderate temperature ranging from 4° to 40° at an altitude of 900 meter. It presents a spectacle of harmony in architecture and natural beauty. The land for the Institute has been acquired from the State Government and on this various instructional, administrative, residential buildings, hostels and students' activity centres, open air theatre, auditorium and stadium etc. have been constructed. The acquisition of 50 acres of more land is under process for the expansion of NIT Complex. The process of transfer of land from the State Government to NIT, Hamirpur as per NIT Act, has been completed.

## Campus Site Plan



## 2.4 ADMINISTRATION

The Director of the Institute is the Principal Academic and Chief Executive Officer and is responsible for proper Administration under the supervision of Board of Governors. He is assisted in day-to-day work by the Deans, HODs, Registrar and other Officers and Committee Coordinators of the Institute. The system has been made fully transparent & powers and responsibilities have been abdicated and de-centralized.



## 2.5 Education System (UG)

### Admission

#### i. Admission Criterion

The admission to various undergraduate programmes is made once a year in June-July by CSAB on the basis of JEE Main Examination conducted by Central Board of Secondary Education (CBSE), New Delhi.

#### (ii) Admission under Cultural Exchange Programme

A few admissions are offered under the Cultural Exchange Fellowship Programme of Government of India, administered by the Indian Council of Cultural Relations (ICCR), New Delhi. For these admissions, the candidates are required to apply through the Indian High Commission /Embassy in their respective countries.

(iii) **Reservation Policy**

Institute follows the reservation policy as notified by MHRD, Govt. of India from time to time. The Chairman Senate in consultation with Dean Academics and Chairman SUGC shall nominate members for coordinating the admissions with the CSAB.

(iv) **Academic Session**

The academic session normally begins in the last week of July and ends in first week of May. It is divided into two parts.

(a) **Odd Semester:** From the last week of July to first week of December.

(b) **Even Semester:** From the last week of December to first week of May

(v) **Academic Calendar**

The exact dates of all the important events such as orientation, registration, late registration, commencement of classes, submission of documents, examinations, submission of grades, vacation, mid-semester break, etc. during the academic session are specified in the *academic calendar* of the Institute, approved by the Senate.

(vi) **Programme Structure**

**Curriculum**

The academic programmes of the Institute follow the credit system. Details of the curriculum for the undergraduate programmes as approved by the Senate on the recommendations of SUGC and as contained in the "Courses of Study" bulletin, is published periodically by the Institute. The medium of instruction, examination and project reports is in English. The Institute strives to design all programmes focusing on outcome in order to ensure quality and technical competency of the students undergoing a programme.

**B.Tech. Programmes**

These are divided into two distinct but compatible parts called Core Curriculum and Professional Curriculum. Each student is required to go through the Core Curriculum, irrespective of his/her chosen branch of specialization.

The Professional Curriculum is meant for the chosen branch of specialization. It consists of a set of compulsory courses, electives (open as well as branch specific) and project work besides courses in Humanities and Social Sciences. The departments may organize educational tours and training programmes as part of the Professional Curriculum.

**B.Arch. Programme**

It consists of professional courses along with educational tours and training are an integral part of the curriculum.

**(vii) Registration**

Registration is very important procedural part of academic system. All students are required to register in person for each semester for the course to be pursued by them, as per the programme, on the dates specified in the Academic Calendar. The sole responsibility for registration rests with the student concerned.

**Registration Procedure**

A list of courses to be offered during the 1st year is put up on the notice board by the Chairman SUGC and for 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> years the same is put on the website by the Head of the concerned departments. The list of courses is also made available to the Convener, DUGC and Registration Advisors. The SUGC nominates Registration Advisors from amongst the faculty to provide necessary information on the core-curriculum courses offered and changes, if any, during registration in each semester. Similarly, the DUGC nominates Registration Advisors to advise students on registration for courses of the professional curriculum. The registration procedure involves:

- (a) filling of the prescribed registration form mentioning the courses to be credited in the Semester
- (b) payment of fees and clearance of outstanding dues (if any)

The candidates admitted to the institution in their first year in any programme are required to submit documents of having passed the qualifying examination by the last date given in the Academic Calendar to get their registration regularized. The students of NIT, Hamirpur whose results have not been declared and are seeking registration in other semesters shall be admitted only provisionally. They shall have to fulfill all the requirements of registration after the results are declared.

**2.6 EDUCATION SYSTEM (PG)****INTRODUCTION**

The objectives of various academic programmes at the National Institute of Technology, Hamirpur (HP) are:-

- To ensure high standard of performance in teaching & research
- To develop scientific and engineering manpower of the highest quality to cater to the needs of the industry
- To be a role model of educational institutions in the country
- To provide a broad grasp of the fundamental principles of the sciences and scientific and technological methods through its curriculum
- To provide a deep understanding of the area of specialization
- To provide an innovative ability to solve new problems

- To provide a capacity to learn continually and interact with multidisciplinary groups
- To develop the students with a capability for:
  - o free and objective enquiry
  - o courage and integrity
  - o awareness and sensitivity to the needs and aspirations of society.

With these objectives in mind, the postgraduate programmes are designed to include courses of study, seminars and project/thesis through which a student may develop his/her concepts and Intellectual skills. All the rules and regulations are embodiment in the PG Manual. The Departmental Post Graduate Committee (DPGC) ensures that all the Rules and Procedures given in PG Manual are adhered to and implemented without any change. While considering an issue if the manual does not specifically mention something, the same shall be forwarded to SPGC for its consideration. The set of regulations, on approval by the senate, shall supersede all the corresponding earlier set of regulations of the Institution, with all the amendments thereto, and shall be binding on all parties concerned including students undergoing PG programmes, Faculty, Staff, Departments and Institute Authorities.

**(ii) Postgraduate Programmes**

The Institute offers M.Tech./M.Arch. and Ph.D. programmes in various academic departments/centres of the Institute.

**(iii) Admission Requirement for M.Tech./M.Arch.**

The applicant must have a Bachelor Degree in Engineering/Technology/Architecture/AMIE in appropriate discipline or a Master Degree in appropriate discipline with CGPI of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of Open/OBC candidates in qualifying degree. Whereas in case of SC/ST candidates a CGPI of 6.0 on a 10-Point scale (or equivalent) or 55% marks in qualifying degree will be applicable. The admission to M.Tech./M.Arch. programmes will be on the basis of valid GATE Score in appropriate subject.

**(iv) Duration:** The duration of each M.Tech./M.Arch. programme is two years (four semesters)

### 2.6.1 COURSES OFFERED

The following programmes are offered by the Institute:-

1. B.Tech./B.Arch.
2. Five years dual degree Bachelor and Master of Technology
3. M.Tech./ M. Arch./MBA
4. Ph.D

## 2.6.2 ACADEMIC PROGRAMMES

The Institute offers undergraduate programmes leading to various degrees are as follows:

Sr. No.	Degree	Branch
1	B. Tech	Civil Engineering
2	B. Tech	Electrical Engineering
3	B. Tech	Mechanical Engineering
4	B. Tech	Electronics and Communication Engineering
5	B. Tech	Computer Science and Engineering
6	B. Tech	Chemical Engineering
7	B. Tech.	Material Science & Engineering
8.	B. Arch	Architecture

### Five years Dual Degree Bachelor and Master of Technology

Degree	Branch
Five years Dual Degree Bachelor and Master of Technology	Computer Science & Engineering
Five years Dual Degree Bachelor and Master of Technology in E&CE	Electronics and Communication Engineering

### M. Tech.

Sr. No.	Department/Centre	M. Tech. programme
1.	Civil Engineering	Geotechnical Engineering & Under Ground Structures
		Structural Engineering
		Transportation Systems Engineering
		Water Resources Engineering
2.	Electrical Engineering	Power System
		Signal Processing & Control
		Condition Monitoring, Control & Protection of Electrical Apparatus
3.	Mechanical Engineering	Thermal Engineering (Computational Fluid Dynamics and Heat Transfer)
		CAD-CAM
4.	Electronics & Communication Engineering	VLSI Design Automation & Techniques
		Communication Systems & Networks
5.	Computer Science & Engineering	Computer Science & Engineering
		Mobile Computing
6.	Architecture	M. Arch. in Sustainable Architecture
7.	Centre for Material Science & Engineering	Material Science & Engineering
8.	Centre for Energy & Environmental Engg.	Energy Technology
		Environmental Engineering
9.	Chemistry	Chemical Technology
10.	Chemical Engineering	Chemical Technology

**MBA**

Sr. No.	Department/Centre	MBA programme
1	DOMS	MBA

**Ph. D.**

Department/Centre	Specializations
Civil Engineering	(i) Structural Engineering (ii) Geo Technical Engineering (iii) Water Resources Engineering (iv) Transportation Engineering
Computer Science & Engineering	(i) Mobile Computing (ii) Computer Science & Engineering
Centre for Material Science & Engineering	(i) Material Science & Engineering
Centre for Energy & Environmental Engineering	(i) Energy Technology (ii) Environmental Engineering
Electrical Engineering	(i) Power System (ii) Signal Processing & Control (iii) Conditional Monitoring, Control & Protection
Electronics & Communication Engineering	(i) VLSI (VDAT) (ii) Communication System & Networks
Mechanical Engineering	(i) Thermal Engineering (CFD & HT) (ii) CAD-CAM
Architecture	(i) Sustainable Architecture
Chemistry	Chemical Technology
Chemical Engineering	Chemical Technology

**M. Sc.**

Department
Physics
Chemistry
Mathematics & Computing

**2.6.3 Admission Procedure****(i) B.Tech./B.Arch./ Five Years Dual Degree Bachelor and Master of Technology****Method of Selection**

The admission to 1<sup>st</sup> Year B. Tech. and B. Arch. (Undergraduate courses) & Five years Dual Degree Bachelor and Master of Technology programme are being made through the JEE (Main) Examination conducted by the CBSE and as per the guidelines framed by Ministry of Human Resource

Development, Govt. of India, Department of Secondary and Higher Education.

**Regular Students:** B. Tech./B. Arch. & Five years Dual Degree Bachelor and Master of Technology.

**Sponsored Students:** Nil

**(ii) M.Tech./M.Arch.**

**Method of Selection**

The applicant must have a Bachelor Degree in Engineering/Technology/Architecture/AMIE in appropriate discipline or a Master Degree in appropriate discipline with CGPI of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of Open/OBC candidates in qualifying degree. Whereas in case of SC/ST candidates a CGPI of 6.0 on a 10-Point scale (or equivalent) or 55% marks in qualifying degree will be applicable. The admission to M.Tech./M.Arch. programmes will be on the basis of valid GATE Score in appropriate subject.

**Regular Students**

Admission to M.Tech./M.Arch. (Full Time) programmes are conducted through Centralized Counseling (CCMT). Applicants fill online application and fill choices of programmes for NIT Hamirpur and other NITs through the online. After the allotment of seats, the candidates proceed to various NITs for reporting/admission.

**Sponsored Students**

The candidate who is sponsored by his/her employer must have been in service of the sponsoring organization for at least two years. Moreover, the sponsoring organization must be a reputed medium or large scale Government organization/private industry or a reputed technical institute. The sponsoring organization must specifically undertake to relieve the candidate to pursue the programme for its full duration.

**Admission requirement for MBA**

Eligibility criteria: B.E./B. Tech. in any branch of Engineering/Technology with 1<sup>st</sup> Division and valid score in CMAT examination.

**(iii) Ph. D. (Full Time)**

**Method of Selection**

The applicant must have a Master Degree in appropriate discipline with CGPI of 6.5 on a 10-point scale (or equivalent) or 60% marks in case of Open/OBC candidates in qualifying degree. Whereas in case of SC/ST candidates a CGPI of 6.0 on a 10-point scale (or equivalent) or 55% marks in qualifying degree will be applicable.

**Regular Students**

The admission to Ph.D. programmes in various departments/centres is done on the basis of written test presentation or interview.

**Sponsored Students**

The candidate who is sponsored by his/her employer must have been in service of the sponsoring organization for at least two years. Moreover, the sponsoring organization must be a reputed medium or large scale Government organization/private industry or a reputed technical Institute. The sponsoring organization must specifically undertake to relieve the candidate to pursue the programme for its full duration.

**(iv) Diety**

Vishvesvaraya Ph.D scheme for Electronics and IT of Diety is being implemented by Media Lab Asia a section 25 no-for-profit organization of the department of Electronics and IT. Ministry of Communication Technology has approved 02 full time candidates under the Project for this Institution in the Academic Session 2014-15 and 10 full time and 4 part time Ph.D scholar for Academics Session 2015-16. The Ph. D candidates selected under this scheme shall be paid fellowship @Rs.22,500/-pm per candidate for 1<sup>st</sup> and 2<sup>nd</sup> year which shall be increased to Rs.25000/-pm. from 3<sup>rd</sup> year onwards.

**2.7 STUDENTS:**

National Institute of Technology, Hamirpur (HP) has always been preferred destination of the bright students. The present strength of students at NIT, Hamirpur is 3016 (**2445 Boys + 465 Girls**). The students of NIT Hamirpur are also known for their excellence in socio-cultural activities and in athletics. This multilingual and multi-cultured environment is particularly conducive to its future development. The Alumni of NIT Hamirpur have made a mark in industry and public life. They are taking significant interest in the affairs of the institute and will continue to do so in future.

**2.8 EXAMINATION AND EVALUATION:**

The Academic Branch of the institute centrally conducts the mid-semester, end semester and supplementary examinations in respect of theory components of the subjects unless otherwise permitted. The answer copies are kept by the subject teacher/examiner/ HODs.

**2.9 ASSESSMENT OF PERFORMANCE (UG COURSE)**

There is continuous assessment of student's performance throughout the semester and grades are awarded accordingly by the subject Teacher/Co-ordination Committee formed for this purpose:-

Grade	Percentage score, X
A	X ≥ 85% and above
AB	85% ≥ X ≥ 75%
B	75% ≥ X ≥ 65%
BC	65% ≥ X ≥ 55%
C	55% ≥ X ≥ 45%
D	45% ≥ X ≥ 40%
F	X < 40%

For subjects with a theory component, the subcomponent and the respective weightage assigned are given below:-

Sub component	Weightage
Mid –Semester Examination	20%
Class Test(s)	10%
Assignments etc.	10%
End-Semester examination	60%
<b>Total</b>	<b>100</b>

### 2.9.1 Project Work:

The evaluation and award of grades for major project shall be done by the Committee consisting of:

- Project Coordinator
- An External Examiner nominated by the Chairman (Senate) from the panel of examiners submitted by Head of the Department in consultation with DUGC.
- Minimum two faculty members nominated by Head of the Department preferably one from other department.

### 2.10 Course Structure (M. Tech. Programmes):

#### M. Tech./M. Arch. Programmes:

Teaching Scheme:

#### A. Distribution of Credits:

The minimum credits for which a candidate must register are as under:-

Minimum Credits Through Course Work			Minimum Credits Through Research		Total Credits
Programme Core (PC)	Programme Electives (PE)	Open Electives (OE)	Dissertation -3 <sup>rd</sup> Sem	Dissertation -4 <sup>th</sup> Sem	
24	11	3	12	20	70

**B. Semester-wise Distribution of Credits:**

(may vary as per the need of specific programme, but the requirement of minimum overall credits listed in A must be satisfied)

Sem-1	Sem-2	Sem-3	Sem-4	Total Credits
17	17	16	20	70

**C. Coding Scheme:**

Course Code: <b>XXYZZ</b>			
XX: Dept/Centre Code, Y: Level of Course, ZZ: Specific Code for Course			
<b>YZZ</b>			
Programme Core	Programme/Open Electives	Seminar	Dissertation
600 to 699	700 to 799	800	801

**XXCodes for Departments/Centres:**

Dept/Centre	Code	Dept/Centre	Code
Civil Engineering	CE	Energy & Env.	EN
Comp Sc.& Engineering	CS	Material Sc&Engg.	MS
Electrical Engineering	EE	Physics	PH
Electronics & Comm. Engineering	EC	Chemistry	CH
Mechanical Engineering	ME	Mathematics	MA
Architecture	AR	Humanities & Social Sciences	HS

**D. Grade of Dissertation (XX-801):**

Semester	Credits for Dissertation Work	Grade	Remarks
Sem-3	12	AAA	A? S X A is awarded for each set of 4 units, [S: Satisfactory, X: Unsatisfactory]
Sem-4	20	AAAAA	

**E. Minimum Credits To Be Earned For Award of Degree:**

For award of M. Tech./ M. Arch. degree a candidate should have earned minimum of 58 credits including 38 credits from course work (Programme Core, Programme Electives & Open Electives) and 20 credits from the dissertation work.

**F. Self-Study Course:**

Self-study course will be related to the research/specialization area of a candidate. The concerned supervisor will act as course coordinator who will be responsible for proposing the course name and syllabus for approval of the DPGC. The evaluation pattern of the course shall be decided in the respective DPGC.

**FIRST SEMESTER**

Sr. No.	Course No.	Course Title	L	T	P	Hours/Week	C
1.	XX-600	Programme Core-1	3	0	0	3	3
2.	XX-601	Programme Core-2	3	0	0	3	3
3.	XX-602	Programme Core-3	3	0	0	3	3
4.		Programme Elective-1	3	0	0	3	3
5.		Programme Elective-2	3	0	0	3	3
6.	XX-603	Laboratory-1	0	0	3	3	2
<b>Total</b>			<b>15</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>17</b>

**SECOND SEMESTER**

Sr.No.	Course No.	Course Title	L	T	P	Hours/Week	C
1.	XX-604	Programme Core-4	3	0	0	3	3
2.	XX-605	Programme Core-5	3	0	0	3	3
3.	XX-606	Programme Core-6	3	0	0	3	3
4.		Programme Elective-3	3	0	0	3	3
5.		Open Elective-1 (from other Dept)	3	0	0	3	3
6.	XX-607	Laboratory-2	0	0	3	3	2
<b>Total</b>			<b>15</b>	<b>0</b>	<b>3</b>	<b>18</b>	<b>17</b>

**THIRD SEMESTER**

Sr.No.	Course No.	Course Title	L	T	P	Hours/ Week	C
1.	XX-799	Self-Study				3	2
2.	XX-800	Seminar	0	0	3	3	2
3.	XX-801	Dissertation (to be continued in IV <sup>th</sup> Sem)				24	12
<b>Total</b>						<b>30</b>	<b>16</b>

**FOURTH SEMESTER**

Sr. No.	Course No.	Course Title	L	T	P	Hours/ Week	C
1.	XX-801	Dissertation (continued from III <sup>rd</sup> Sem)				40	20
<b>Total</b>							<b>20</b>

**Programme Electives**

XX-700.....

**XX-701**.....**Open Electives**

XX-750.....

XX-751.....

**LIST OF REGISTERED STUDENTS 2017-2018****(1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup>, 7<sup>th</sup> & 9<sup>th</sup> Semester)****2.11 1<sup>st</sup>. Year 1<sup>st</sup>. Semester: (2017-2018):**

Course	All Communities			Scheduled Caste			Scheduled Tribe			OBC			Foreign candidate under ICCR/MEA/DASA scheme			
	B	G	Total	B	G	Total	B	G	Total	B	G	Total	ICCR (SS)	MEA (SW)	DASA	Total
CE OP PH 01	86	06	92	11	03	14	07	0	07	24	0	24	0	0	0	0
EE OBC PH 01	78	13	91	14	0	14	06	01	07	21	02	23	0	0	0	0
ME OBC PH 02	91	03	94	14	0	14	06	0	06	24	0	24	0	01 Male	01 Male	02
E&CE OP PH 01	72	20	92	10	04	14	01	05	06	22	03	25	0	01 Male	01 Female	02

CSE	88 SC PH 02 OBC PH 01 OP PH 01	06	94	11	02	13	06	0	06	23	01	24	0	0	01 Male	01
Chemical Engg	48 OP PH 01	12	60	05	04	09	03	02	05	14	02	16	0	0	0	0
Dual Degree. CSE	51 SC PH 01	10	61	08	01	09	03	02	05	15	01	16	0	0	01 Male	01
Dual Degree ECE	47 OP PH 01	13	60	07	02	09	04	01	05	10	04	14	0	0	0	0
Arch.	28	15	43	07	02	09	02	0	02	07	04	11	0	0	0	0
Mat.Sc	23 OP PH 01	02	25	03	01	04	01	0	01	08	01	09	0	0	0	0
<b>Total (1)</b>	<b>612</b>	<b>100</b>	<b>712</b>	<b>90</b>	<b>19</b>	<b>109</b>	<b>39</b>	<b>11</b>	<b>50</b>	<b>168</b>	<b>18</b>	<b>186</b>	<b>0</b>	<b>02</b>	<b>04</b>	<b>06</b>

**2<sup>nd</sup> Year 3<sup>rd</sup> . Semester: (2017-2018):**

Course	All Communities			Scheduled Caste			Scheduled Tribe			OBC			Foreign candidate under ICCR/MEA/DASA scheme			
	B	G	Total	B	G	Total	B	G	Total	B	G	Total	ICCR (SS)	MEA (SW)	DASA	Total
CE OBC PH 01	79	09	88	11	03	14	07	0	07	22	04	26	0	01 Male	0	01
EEE SCPH 01 OPPH 01	67	20	87	07	05	12	06	01	07	20	06	26	0	0	0	0
ME OPPH 01	85	03	88	12	01	13	06	01	07	22	01	23	0	01 Male	01 Male	02
E&CE OPPH 01 OBC PH 01	69	22	91	06	07	13	04	03	07	20	04	24	01 Male	03 Male	0	04
CSE OPPH 01	69	20	89	12	01	13	04	02	06	20	05	25	0	02 Femal e + Male	01 (Nepal) Male	03

Chemical Engg	39	09	48	06	0	06	01	01	02	12	02	14	0	0	0	0
Dual Degree CSE	37 OPPH 02	20	57	04	02	06	04	0	04	10	06	16	0	0	0	0
Dual Degree ECE	40 OPPH 02	05	45	07	01	08	03	0	03	13	02	15	0	0	0	0
Arch.	25 OPPH 01	08	33	04	01	05	03	01	04	06	0	06	0	0	0	0
<b>Total (1)</b>	<b>510</b>	<b>116</b>	<b>626</b>	<b>69</b>	<b>21</b>	<b>90</b>	<b>38</b>	<b>9</b>	<b>47</b>	<b>145</b>	<b>30</b>	<b>175</b>	<b>01</b>	<b>07</b>	<b>02</b>	<b>10</b>

**3<sup>rd</sup> Year 5th. Semester (2017-2018) :**

Course	All Communities			Scheduled Caste			Scheduled Tribe			OBC			Foreign candidate under ICCR/MEA/DASA scheme			
	B	G	Total	B	G	Total	B	G	Total	B	G	Total	ICCR (SS)	MEA (WS)	DASA	Total
CE	87	02	89	14	0	14	07	0	07	24	01	25	0	01Male	0	01
EEE	77	09	86	14	0	14	06	01	07	19	04	23	0	0	0	0
	OPPH 01															
	OBCPH 01															
ME	87	01	88	14	0	14	07	0	07	25	0	25	0	0	0	0
	OPPH 01															
	STPH01															
	OBCPH 01															
E&CE	60	27	87	10	04	14	06	01	07	16	08	24	0	01 Female	0	01
	OBCPH 01															
CSE	71	15	86	11	02	13	06	0	06	22	03	25	0	0	0	0
	OBCPH 01															

Chemical Engg	45	08	53	06	01	07	04	0	04	11	03	14	0	0	0	0
Dual Degree CSE. 05 year	41	10	51	05	04	09	03	0	03	14	01	15	0	0	0	0
Dual Degree ECE. 05 year	37	09	46	09	0	09	02	02	04	12	02	14	0	0	0	0
Arch.	28	11	39	04	01	05	01	01	02	09	02	11	0	0	0	0
	OPPH 01															
<b>Total (2)</b>	<b>533</b>	<b>92</b>	<b>625</b>	<b>87</b>	<b>12</b>	<b>99</b>	<b>42</b>	<b>5</b>	<b>47</b>	<b>152</b>	<b>24</b>	<b>176</b>	<b>0</b>	<b>02</b>	<b>0</b>	<b>02</b>

**4<sup>th</sup> Year 7<sup>th</sup> Semester: (2017-18)**

Course	All Communities			Scheduled Caste			Scheduled Tribe			OBC			Foreign candidate under Min. of Ext. Affairs New Delhi (ICCR Scholarship / Welfare Scheme & DASA)			
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	SS	WS	DASA	Total
CE	76	07	83	10	02	12	07	01	08	22	02	24	0	01 Female	0	01
	OBC PH 01															
EEE	79	11	90	11	02	13	05	02	07	22	02	24	0	0	0	0
	SCPH 01 OPPH 01															
ME	93	0	93	14	0	14	06	0	06	25	0	25	0	0	02 (Nepal) Male	02
	OPPH 01															

ECE	71 OPPH 01 OBC PH 01	22	93	07	07	14	04	03	07	19	04	23	0	01 Male	0	01
CSE	71 OPPH 01	19	90	11	03	14	06	01	07	19	05	24	0	01 Male	01 (Nepal) Male	02
Chem. Engg.	42 SCPH 01 OPPH 01	10	52	07	0	07	03	01	04	11	05	16	0	0	0	0
Arch.	25	17	42	05	0	05	02	02	04	08	04	12	0	0	01 Male USA	01
Dual Degree	51	07	58	07	01	08	03	01	04	17	0	17	0	0	0	0
<b>Total (3)</b>	<b>508</b>	<b>93</b>	<b>601</b>	<b>72</b>	<b>15</b>	<b>87</b>	<b>36</b>	<b>11</b>	<b>47</b>	<b>143</b>	<b>22</b>	<b>165</b>	<b>0</b>	<b>63</b>	<b>04</b>	<b>07</b>

**5<sup>th</sup> Year 9<sup>th</sup> Semester: (2017-2018)**

Course	All Communities			Scheduled Caste			Scheduled Tribe			OBC			Foreign candidate under Min. of Ext. Affairs New Delhi (ICCR Scholarship/Welfare Scheme & DASA)			
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	SS	WS	DASA	Total
<b>2017-18</b>																
<b>Arch. Total (5)</b>	30 OPPH 1	12	42	04	02	06	02	01	03	11	01	12	0	0	0	0

**Master Degree 1<sup>st</sup> year Candidates Registration sheet of July 2017**

Sr. No.	Department	SC		ST		OBC		OP		PWD/ PH		Total		Grand Total
		M	F	M	F	M	F	M	F	M	F	Male	Female	
	M.Sc. Math	-	1	-	1	3	1	2	8	-	-	5	11	<b>16</b>
	M.Sc. Chem.	2	1	1	-	2	3	7	2	-	-	12	6	<b>18</b>
	M.Sc. Physics	3	-	-	-	3	1	3	4	-	-	9	5	<b>14</b>
	CED	6	2	2	-	11	5	23	4	-	-	42	11	<b>53</b>

	EED	3	-	-	-	14	-	14	2	-	-	31	2	<b>33</b>
	MED	2	2	1	-	6	1	12	-	1 op cat	-	22	3	<b>25</b>
	E&CED	4	1	-	-	4	3	7	2	-	-	15	6	<b>21</b>
	CSED	1	1	-	-	3	2	8	3	-	-	12	6	<b>18</b>
	CMSE	-	1	-	-	3	1	6	-	-	-	9	2	<b>11</b>
	CEEE	4	2	-	1	6	2	12	-	-	-	22	5	<b>27</b>
	Architecture	2	-	-	-	1	-	3	3	-	-	6	3	<b>9</b>
	MBA	1	1	-	-	-	2	5	2	-	-	6	5	<b>11</b>
	<b>Total</b>	<b>28</b>	<b>12</b>	<b>4</b>	<b>2</b>	<b>56</b>	<b>21</b>	<b>102</b>	<b>30</b>	<b>1</b>	<b>-</b>	<b>191</b>	<b>65</b>	<b>256</b>

**Master Degree 1<sup>st</sup> year Candidates community wise registration sheet of July 2017**

**M. Sc. Math - Hindu ( 5M+ 11F ) = 16 Total**

**M. Sc. Chem. – Hindu (11M+6F) + 1 Sikh= 18 Total**

**M.Sc. Physics – Hindu (8M+5F) + 1 Sikh = 14 Total**

**CED Hindu (34+11F) + Muslim- 8 male = 53 Total**

**EEDHindu (31M+1F) + Muslim-1 Male = 33 Total**

**MEDHindu (22M+3F)= 25 Total**

**E&CED Hindu (15M+6F) = 21 Total**

**CSED Hindu (12M+6F)=18 total**

**CMSE Hindu (8M+2F) + Muslim – 1 male = 11 total**

**CEEE Hindu (21M+5F) + Muslim – 1 male = 27 Total**

**Architecture Hindu (6M+2F) + Muslim- 1 male = 9 Total**

**MBA Hindu (6M+5F) = 11 Total**

**Ph.D. 1<sup>st</sup> year Candidates Registration sheet of August, 2017**

	Department	SC		ST		OBC		OP		Full / Part Time		Total		Grand
		Boy	Girl	Boy	Girl	Boy	Girl	Boy	Girl	Full	Part	Boy	Girl	
1.	<b>Math</b>	-	-	-	-	-	-	1	2	3	-	1	2	<b>3</b>
2.	<b>Chem.</b>	-	1	-	-	-	1	-	2	4	-	-	4	<b>4</b>
3.	<b>Physics</b>	-	-	-	-	-	-	2	-	2	-	2	-	<b>2</b>
4.	<b>CED</b>	-	-	-	-	1	-	3	-	4		4	-	<b>4</b>
5.	<b>EED</b>	-	-	-	-	1	-	1	1	3	-	2	1	<b>3</b>
6.	<b>MED</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	<b>E&amp;CED</b>	-	-	-	-	1	-	3	-	3	1	4	-	<b>4</b>
8.	<b>CSED</b>	-	-	-	-	-	-	1	-	1	-	-	1	<b>1</b>

9.	<b>CMSE</b>	1	-	-	-	-	-	--	-	-	1	1	--	<b>1</b>
10.	<b>CEEE</b>	-	-	-	-	-	-	1	-	1	-	1	-	<b>1</b>
11.	<b>Architecture</b>	-	-	-	-	-	1	1	-	2	-	1	1	<b>2</b>
	<b>Total</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>2</b>	<b>13</b>	<b>5</b>	<b>23</b>	<b>2</b>	<b>16</b>	<b>9</b>	<b>25</b>

**Master Degree 2<sup>nd</sup> year 3<sup>rd</sup> sem. Candidates Registration sheet of July/Dec., 2017**

Sr.No.	Department	SC		ST		OBC		OP		PWD/ PH		Total		Grand
		Boy	Girl	Boy	Girl	Boy	Girl	Boy	Girl	Boy	Girl	Boy	Girl	
1.	CED	9	-	3	-	16	-	16	3	-	-	44	3	<b>47</b>
2.	EED	5	-	1	-	9	4	11	2	-	-	26	6	<b>32</b>
3.	MED	3	-	-	-	10	-	7	-	-	-	20	-	<b>20</b>
4.	E&CED	3	-	-	1	5	3	6	3	-	-	14	7	<b>21</b>
5.	CSED	1	1	1	-	3	2	5	6	-	-	10	9	<b>19</b>
6.	CMSE	2	-	-	-	4	1	4	-	-	-	10	1	<b>11</b>
7.	CEEE	3	2	1	1	9	2	4	2	-	-	17	7	<b>24</b>

8.	Architecture	1	1	-	-	1	1	2	3	-	-	4	5	<b>9</b>
9.	MBA	1	1	-	-	1	-	6	4	-	-	8	5	<b>13</b>
10.	Chemical Eng.	-	-	-	-	-	-	-	2	-	-	-	2	<b>2</b>
	<b>Total</b>	<b>28</b>	<b>5</b>	<b>6</b>	<b>2</b>	<b>58</b>	<b>13</b>	<b>61</b>	<b>25</b>	<b>-</b>	<b>-</b>	<b>153</b>	<b>45</b>	<b>198</b>

CED Part Time - 5 <sup>th</sup> Sem- 02 OBC (Boy) 01 OP (Boy) MED Part Time - 5 <sup>th</sup> Sem - 01 OP(Boy) E & CED Part Time- 5 <sup>th</sup> Sem 04 OP (Boy) <b>Total – 8 Boys</b>	<b>Total Candidates = 198</b> <b>Part time Candidates = 08</b> <b>Total present Student = 206</b>
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Ph.D. 2<sup>nd</sup> Semester (old students data)

Department	Sem.	SC		ST		OBC		OP		Total		Grand Total	Time		Mode
		M	F	M	F	M	F	M	F	Male	Female		Full	Part	
CED	Zero	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2 <sup>nd</sup>	-	-	-	-	-	-	2	-	2	-	2	2	-	
	3 <sup>rd</sup>	-	-	-	-	1	-	6	-	7	-	7	6	-	
	5 <sup>th</sup>	1	-	-	-	1	-	5	1	7	1	8	8	-	
	7 <sup>th</sup>	-	-	-	1	-	-	-	-	-	1	1	1	-	
	13 <sup>th</sup>	-	-	-	-	-	-	1	-	1	-	1	-	-	
	<b>Total</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>14</b>	<b>1</b>	<b>17</b>	<b>2</b>	<b>19</b>	<b>17</b>	<b>1</b>	<b>1 off campus</b>
EED	Zero	1	-	-	-	1	-	2	1	4	1	5	4	1	
	2 <sup>nd</sup>	-	-	-	-	-	-	2	-	2	-	2	1	1	
	3 <sup>rd</sup>	-	-	-	-	-	-	2	1	2	1	3	2	-	
	5 <sup>th</sup>	-	-	-	-	-	-	1	1	-	1	1	1	-	
	7 <sup>th</sup>	-	1	-	-	-	-	2	-	2	1	3	3	-	

	9 <sup>th</sup>	1	-	-	-	1	-	1	-	3	-	3	2	1	
	10 <sup>th</sup>	-	-	-	-	-	-	1	-	1	-	1	-	1	
	<b>Total</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>9</b>	<b>3</b>	<b>12</b>	<b>4</b>	<b>17</b>	<b>13</b>	<b>4</b>	
<b>MED</b>	Zero	1	-	-	-	1	-	-	-	2	-	2	2		
	7 <sup>th</sup>	1	-	-	-	-	-	2	-	3	-	3	2	-	1 off camp.
	9 <sup>th</sup>	1	-	-	-	-	-	4	-	5	-	5	5	-	
	10 <sup>th</sup>	-	-	-	-	-	-	1	-	1	-	1	1		
	15 <sup>th</sup>	-	-	-	-	-	-	1	-	1	-	1	-	-	1 off camp
	<b>Total</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>12</b>	<b>-</b>	<b>12</b>	<b>10</b>	<b>-</b>	<b>2</b>
<b>ECED</b>	2 <sup>nd</sup>	1 PH	-	-	-	-	-	2	3	3	3	6	5	1	
	5 <sup>th</sup>	-	1	-	-	1	-	3	1	4	2	6	5	1	
	6 <sup>th</sup>	-	-	-	-	-	-	1	1	1	1	2	1	1	
	9 <sup>th</sup>	1	-	-	-	1	-	5	-	7	-	7	6	1	
	10 <sup>th</sup>	-	-	-	1	-	-	-	-	-	1	1	1	-	
	<b>Total</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>2</b>	<b>-</b>	<b>6</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>22</b>	<b>18</b>	<b>4</b>	

<b>CSED</b>	Zero	-	-	-	-	-	-	2	-	2	-	2	1	-	
	2 <sup>nd</sup>	1	-	-	-	-	-	-	4	1	4	5	5	-	
	5 <sup>th</sup>	-	-	-	-	1	-	2	-	3	-	3	3	-	
	6 <sup>th</sup>	-	-	-	-	3	-	-	-	3	-	3	3	-	
	7 <sup>th</sup>	1	1	-	-	-	-	1	1	2	2	4	4	-	
	Total	2	1	-	-	4	-	5	5	11	6	17	16	-	1 off campus
<b>Architecture</b>	3 <sup>rd</sup>	1	-	-	-	-	-	1	2	2	2	4	2	2	
	6 <sup>th</sup>	-	-	-	-	-	-	1	-	1	-	1	-	1	
	9 <sup>th</sup>	-	-	-	-	-	-	1	-	1	-	1	1	-	
	Total	1	-	-	-	-	-	3	2	4	2	6	3	3	
<b>Physics</b>	3 <sup>rd</sup>	-	-	-	-	-	-	1	1	1	1	2	2	-	
	5 <sup>th</sup>	-	-	-	-	1	-	-	-	1	-	1	1	-	
	7 <sup>th</sup>	1	-	-	-	-	-	-	-	1	-	1	1	-	
	Total	1	-	-	-	1	-	1	1	3	1	4	4	-	

<b>Chemistry</b>	3 <sup>rd</sup>	-	2	-	-	-	-	-	3	-	5	<b>5</b>	5	-	
	5 <sup>th</sup>	-	-	-	1	-	-	-	1	-	2	<b>2</b>	2	-	
	7 <sup>th</sup>	-	-	-	-	-	-	-	1	-	1	<b>1</b>	1	-	
	8 <sup>th</sup>	-	-	-	-	-	-	-	1	1	-	<b>1</b>	1	-	
	9 <sup>th</sup>	-	-	-	-	-	-	-	2	1	2	<b>2</b>	2	-	
	Total	-	2	-	1	-	3	-	7	1	10	<b>11</b>	11	-	
<b>Math</b>	2 <sup>nd</sup>	-	-	-	-	1	-	1	-	2	-	<b>2</b>	2	-	
	5 <sup>th</sup>	-	-	-	-	1	1	-	-	1	1	<b>2</b>	2	1	
	Total	-	-	-	-	2	1	1	1	3	1	<b>4</b>	4	-	
<b>Managem nt &amp; Humanities</b>	3 <sup>rd</sup>	1	-	-	-	-	-	2	-	1	2	<b>3</b>	2	-	1 off campus
	9 <sup>th</sup>	-	-	-	-	-	-	2	-	2	-	<b>2</b>	-	1	1 JRF
	Total	1	-	-	-	-	-	4	-	3	2	<b>5</b>	2	1	2
<b>CEEE</b>	Zero	-	-	-	-	-	-	1	-	1	-	<b>1</b>	1	-	
	3 <sup>rd</sup>	-	-	-	-	-	-	1	-	1	-	<b>1</b>	1	-	
	5 <sup>th</sup>	-	-	-	-	-	-	1	-	1	-	<b>1</b>	1	-	
	Total	-	-	-	-	-	-	3	-	3	-	<b>3</b>	3	-	

<b>CMSE</b>	Zero	-	-	-	-	-	-	1	-	1	-	<b>1</b>	-	-	1 off campus
	2 <sup>nd</sup>	1	-	-	-	-	-	1	-	1	-	<b>2</b>	2	-	
	3 <sup>rd</sup>	-	-	-	-	1	-	-	-	1	-	<b>1</b>	1		
	13 <sup>th</sup>	-	-	-	-	-	-	1	-	1	1	<b>1</b>	-	1	
	Total	1	-	-	-	1	-	3	-	4	1	<b>5</b>	3	1	1 off campus
Total	11	5	-												

**GROSS DEPTT. WISE DATA****PH.D. 2<sup>ND</sup> SEMESTER (OLD STUDENT DATA)**

Department	SC		ST		OBC		OP		Total		Grand Total			Off Campus
	Boy	Girl	Boy	Girl	Boy	Girl	Boy	Girl	Boy	Girl		Full	Part	
<b>CED</b>	1	-	-	1	2	-	14	1	17	2	<b>19</b>	17	1	1
<b>EED</b>	2	1	-	-	2	-	9	3	13	4	<b>17</b>	13	4	
<b>MED</b>	3	-	-	-	1	-	8	-	12	-	<b>12</b>	10	-	2
<b>ECED</b>	2	1	-	1	2	-	12	5	16	6	<b>22</b>	18	4	-

<b>CSED</b>		2	1	-	-	4	-	5	5	11	6	<b>17</b>	16	-	1
<b>ARCH.</b>		1	-	-	-	-	-	3	2	4	2	<b>6</b>	3	3	-
<b>PHYSICS</b>		1	-	-	-	1	-	1	1	3	1	<b>4</b>	4	-	
<b>CHEMISTR Y</b>		-	2	-	1	-	3	-	8	-	11	<b>11</b>	11	-	
<b>MATH</b>		-	-	-	-	2	1	1	1	3	1	<b>4</b>	4	-	
<b>MANAGE. H</b>		1	-	-	-	-	-	4	-	5	-	<b>5</b>	2	1	1 + 1 JRF
<b>CEEE</b>		-	-	-	-	-	-	4	-	4	-	<b>4</b>	4	-	
<b>CMSE</b>		1	-	-	-	1	-	3	-	5	-	<b>5</b>	3	1	1
		<b>14</b>	<b>5</b>	<b>-</b>	<b>3</b>	<b>15</b>	<b>4</b>	<b>64</b>	<b>26</b>	<b>94</b>	<b>33</b>	<b>126</b>	<b>106</b>	<b>13</b>	<b>7</b>
<b>Ph.D.1<sup>st</sup> year July2017</b>		1	1	-	-	3	2	13	5	17	9	26	23	2	

**Total Strength of B. Tech. /B.Arch./Dual Degree, M. Tech./M. Arch./MBA/ Ph.D. for the Session-2017-18:**

Course	All Communities			Scheduled Caste			Scheduled Tribe			OBC			Foreign candidate under Min. of Ext. Affairs New Delhi (ICCR Scholarship/Welfare Scheme & DASA)				
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	ICCR	ME A	DAS A	Total	
2017-18																	
B. Tech. /B.Arch./ Dual Degree.	2193	413	2606	322	69	391	157	37	194	619	95	714	01	12	10	23	
M.Tech./M.Arch	330	100	430	54	15	69	10	04	14	113	32	145	0	0	0	0	
MBA	14	10	24	02	02	04	-	-	-	01	02	03	0	0	0	0	
M. Sc.	26	22	48	05	02	07	01	01	02	08	14	22	-	-	-	-	
Ph.D.	111	42	153	15	06	21	0	03	03	18	06	24	Full Time	Part Time	Off Camp	Total	
													130	16	07	153	
G. Total	2674	587	3261	398	94	492	168	45	213	759	149	908	--	--	--	--	

## 2.12 Awards (Students)

This institution has instituted the following Director's Medals to best all rounder among UG/PG student and selection for these awards is made by the duly constituted committee, on the basis of last three and half years overall assessment of the student regarding his/her academic achievement, discipline character, attendance activities etc.

- A. Director's Medal to Best all rounder among UG/PG students.
- B. Gold Medal to Topper of each B.Tech./B.Arch. stream.
- C. Silver Medal to 2<sup>nd</sup> topper of each B.Tech./B.Arch. stream.
- D. Gold Medal to Topper of each PG programme provided the no. of passing out students is at least five.

### LIST OF B. TECH TOPPER AND 2ND TOPPER PASSED OUT DURING 2017

#### ARCHITECTURE

1	ASHNA AGGARWAL	12635	8.78
2	ROHIT PATEL	12632	8.76

#### CIVIL ENGINEERING

1	VIPUL AGARWAL	13166	8.89
2	VINAY KUMAR	13113	8.81

#### COMPUTER SCIENCE & ENGINEERING

1	Akshat Sharma	13566	9.57
2	Apoorva Gupta	13587	9.36

#### ELECTRONICS AND COMMUNICATION ENGINEERING

1	Ayush Kumar	13445	9.38
2	Kumar Neeraj Kaushal	13431	9.24

#### ELECTRICAL & ELECTRONICS ENGINEERING

1	RITIKA CHAURASIA	13272	9.31
2	PARIKHA MEHROTRA	13270	9.03

**MECHANICAL ENGINEERING**

1	Ankur Kumar	13354	9.29
2	Samir Anand	13365	8.86

**CHEMICAL ENGINEERING**

1	Nirdosh Gupta	13715	9.50
2	Abhirai Singh Thakur	13716	9.29

**CIVIL ENGINEERING (GEOTECHNICAL ENGINEERING & UNDERGROUND STRUCTURE)**

<b>SR. NO.</b>	<b>NAME</b>	<b>ROLL NO.</b>	<b>CGPI</b>
1	Vivek Thakur	15M114	8.08

**CIVIL ENGINEERING (STRUCTURE ENGINEERING)**

1	Nishi Gangwar	15M118	9.66
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**CIVIL ENGINEERING (TRANSPORTATION SYSTEM ENGINEERING)**

1	Lalit Thakur	15M139	8.74
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**CIVIL ENGINEERING (WATER RESOURCE ENGINEERING)**

1	Vishal Chaudhary	15M158	9.39
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**CIVIL ENGINEERING (ENVIRONMENTAL ENGINEERING)**

1	Sanjeev Kumar	15M716	9.39
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**ELECTRICAL ENGINEERING (POWER SYSTEM)**

1	Apoorv Ravi Pandey	15M204	9.05
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**ELECTRICAL ENGINEERING (SIGNAL PROCESSING AND CONTROL)**

1	Kandula Praveen	15M228	8.39
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**ELECTRICAL ENGINEERING (CONDITION MONITORING CONTROL AND PROTECTION OF ELECTRICAL APPARATUS).**

1	Ashish Kumar Mishra	15M259	9.13
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**MECHANICAL ENGINEERING (THERMAL ENGINEERING)**

1	Singapuri Chaitanya Naresh Kumar	15M302	9.37
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**MECHANICAL ENGINEERING (CAD/CAM)**

1	Makhan Singh	15M329	9.18
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**ELECTRONICS & COMMUNICATION ENGINEERING (VLSI DESIGN AUTOMATION & TECHNIQUES).**

1	Neha Sharma	15M401	9.32
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**ELECTRONICS & COMMUNICATION ENGINEERING (COMMUNICATION SYSTEMS & NETWORKS).**

1	Sukannya Chetry	15M435	9.32
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**COMPUTER SCIENCE & ENGINEERING (COMPUTER SCIENCE & ENGINEERING)**

1	Pallavi Kaushik	15M504	8.66
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**COMPUTER SCIENCE & ENGINEERING (MOBILE COMPUTING).**

1	Shivangi Gupta	15M527	9.39
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**MATERIAL SCIENCE AND ENGINEERING**

1	Ayush Chandra Pundir	15M610	8.68
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**ENERGY AND ENVIRONMENT ENGINEERING  
(Engineering Technology)**

1	Sachin Kumar Dhiman	15M707	8.95
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**ENERGY & ENVIRONMENTAL ENGINEERING**

(Environmental Engineering)

**ARCHITECTURE**

1	Akansha Soni	15M803	7.68
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**2.13 Placement:**

The Training & Placement Cell was established in this Institute in the year 1995. Since then lot of activities are being conducted within the ambit of this cell for the benefit of the students and faculty.

**2.14 Games & Sports:**

National Institute of Technology, Hamirpur is one of the premier technical institutes in Northern India. The Institute presently provides sports facilities for both indoor and outdoor activities. A standard size stadium with the provision of pavilion has been provided to the students where the games like Cricket, Football, Hockey, Basket Ball, Lawn Tennis and Athletics are played. The facilities of separate Basketball and lawn tennis court with the provision of flood lights have also been provided to our students. We have got the provision of indoor hall for Badminton and other indoor games and gymnasium facilities with latest physical fitness machines for both boys and girls separately. The facilities of Billiards and pool table for our students and staff have also been provided:



**2.15 Staff Position:****2.15.1 Faculty**

Name of the Department	Professor			Associate Professor			Assistant Professor			Total faculty in position
	Sanctioned strength	In position	Total	Sanctioned strength	In position	Total	Sanctioned strength	In position	Total	
Civil Engineering	37	04*	04*	74	04	04	150	07	07	15
Electrical Engineering		04	04		06	06		06	06	16
Mechanical Engineering		03	03		05	05		05	05	13
Computer Science & Engineering		01	01		03	03		07	07	11
Electronic & Communication Engineering		02	02		05	05		08	08	15
Architecture		02	02		01	01		08	08	11
Mathematics		02	02		01	01		05	05	08
Physics		00	00		03	03		02	02	05
Chemistry		01	01		02	02		03	03	06
M & H		01	01		01	01		04	04	06
Centre for Energy & Environment		01	01		01	01		01	01	03
Centre for Material Science & Engineering		01	01		01	01		01	01	03
Training & Placement		00	00		00	00		00	00	00
Physical Education		00	00		01	01		00	00	01
Chemical		00	00		00	00		03	03	03
	00	00	00	00	00	00	00			
<b>Total</b>		<b>22</b>	<b>22</b>		<b>34</b>	<b>34</b>		<b>60</b>	<b>60</b>	<b>116</b>

**2.15.2 Head of the Institute :**

Sr. No.	Name of the post	Sanctioned strength	In position
1	Director	01	01
	<b>Total</b>	<b>01</b>	<b>01</b>

**Academic Staff:**

Sr. No.	Name of the post	Sanctioned strength	In position
1	Professor	37	22
2	Associate Professor	74	34
3	Assistant Professor	150	60
	<b>Total</b>	<b>261</b>	<b>116</b>

**2.15.3****(A) Officers:**

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1.	Registrar	01	01*
2.	Deputy Registrar	03	02**
3.	Assistant Registrar	07	02
4.	Executive Engineer	01	01**
5.	Engineer	02	02
6.	Assistant Librarian	02	02
7.	Sr. Medical Officer	01	--
8.	Medical Officer	01	01
9.	Sr. Scientific/Technical Officer	04	--
10.	Scientific/Technical Officer	04	03
	<b>Total</b>	<b>26</b>	<b>14</b>

\* Officiating

\*\* On deputation

**(B) Technical Higher:**

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1	Technical Assistant/ Junior Engineer/ SAS Assistant/Sr. Pharmacist	31	14
2	Sr. Technical Assistant/ Assistant Engineer/ Sr. SAS Assistant/ Pharmacist SG-II	23	10
3	Technical Assistant (SG -II) Assistant Executive Engineer SAS Assistant (SG-II)/Pharmacist SG-I	16	02
4	Technical Assistant (SG-I) Executive Engineer, SAS Assistant (SG-I)	08	--
	<b>Total</b>	<b>78</b>	<b>26</b>

**(C) Technical Lower:**

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1	Technician , Lab. Assistant, Work Assistant, Driver	31	12
2	Sr. Technician, Sr. Lab Assistant, Sr. Work Assistant	23	15
3	Technician (SG-II), Lab Assistant (SG-II), Work Assistant (SG-II), Pharmacist	16	03
4	Technician (SG-I), Lab Assistant(SG-I), Work Assistant (SG-I)	08	01
<b>Total</b>		<b>78</b>	<b>31</b>

**(D) Administrative/Stenographer (Higher):**

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1	Superintendent/ Accountant/ Secretary	09	09
2	Sr. Superintendent/Sr. Secretary	06	06
3	Superintendent SG-(II)/ Secretary (SG-II)	04	02
4	Superintendent SG-(I)/ Secretary (SG-I)	02	00
<b>Total</b>		<b>21</b>	<b>17</b>

**(E) Administrative/Stenographer (Lower):**

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1	Jr. Assistant	18	10
2	Sr. Assistant/ Stenographer	13	13
3	Assistant(SG-II) / Sr. Stenographer	09	11
4	Assistant (SG-I)/ Stenographer (SG-II)	04	04
5	Stenographer (SG-I)	01	01
<b>Total</b>		<b>45</b>	<b>39</b>

**(F) Supporting Staff:**

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1	Attendant/ Security Guard/ Mali/ Care Taker (Higher Scale)	16	62
2	Sr. Attendant/ Security Guard/ Mali/ Care Taker	12	--
3	Attendant/ Security Guard/ Mali/ Care Taker (SG-II)	08	--
4	Attendant/ Security Guard/ Mali/ Care Taker (SG-I)	03	
<b>Total</b>		<b>39</b>	<b>62</b>
<b>Total (A to F)</b>		<b>287</b>	<b>189</b>

**2.15.4 Staff Relieved on Lien (EOL/Deputation/Study Leave)/QIP**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>
1	Prof. Lalit Kumar Awasthi	Professor
2	Prof. Rakesh Sehgal	Professor
3	Dr. Raman Parti	Professor
4	Dr. Vinod Kumar	Professor
5	Dr. Minakshi Jain	Professor
6	Er. K.S.Pandey	Associate Professor
7	Mrs. Amanjeet Kaur	Assistant Professor
8	Er. Bharti Kaul	Assistant Professor
9	Er. Sandeep Sharma	Assistant Professor
10	Er. Gagnesh Kumar	Assistant Professor
11	Sh. Ramneek Kumar	Senior Assistant
12	Sh. Rajeev Kumar	Senior Assistant

### 3.0 DEPARTMENT OF CIVIL ENGINEERING



#### (I) ACADEMIC STAFF

**Head:** Dr. Vijay Shankar Dogra  
Ph.D

#### Faculty:

Professor	Associate Professor	Assistant Professor	Lecturer on contract
Prof. V.K Sarda	Dr. Pardeep Kumar	Dr. Umesh Kumar Pandey	Ms. Sushma Verma
Prof. R.K.Sharma	Dr. R. S. Banshtu	Sh. ChanderPrakash	Mr. Anupam Anand Bharti
Prof. Raman Parti (On deputation)	Dr. Vijay Shankar Dogra	Dr. Hemant Kumar Vinayak	Dr. Sumit Arora
Prof. R.K.Dutta	Dr Vijay Kumar Bansal	Dr. Sunil Sharma	Mr. Balraj Singh
		Dr. Dharmendra	Mr. Rajat Kango
		Dr. K. Nallasivam	Mr. Avinash Bhardwaj
		Dr. Amrit Kumar Roy	Mr. Ankush Kumar Sehgal
			Dr. Tarun Kumar
			Mr. Ankit Sharma
			Mr. Anmol Sharma
Mr. Anand Kumar R.			
Ms. Suman Kumari			
Mr. Rahul Sharma			

**(II) Achievements Achieved**

**By students :** 10 students scored GATE 2018 above 90 percentile.

**By Faculty Member : Published one book** “Reflections, Compendium of Memories by Dr. Pardeep Kumar, 2017, AZAD Offset printers.

**REVIEWERS OF JOURNALS/EDITORIAL BY FACULTY**

1. ASCE Journal of Irrigation & Drainage Engg. Vijay Shankar
2. Journal of Cleaner Production (Elsevier) Vijay Shankar

**(III) SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSES.**

Sr. No.	Name of the Conference, STC's and Seminars Organised	Duration/Sponsored/Organiser
1.	Three day training programme for Engineers on Providing Safer Infrastructure in the Hazard prone Areas of Himachal Pradesh, under project “Providing Safer Infrastructure in Hazard Prone Areas of Himachal”	21 <sup>st</sup> – 23 <sup>rd</sup> September, 2017 Sponsored by SCSTE, Shimla, Amount : 8.10 LACS. (Dr. Pardeep Kumar)

**(IV) Participation in Conf./Seminar/Symposium/Workshop etc. Short Term Training Programs/ Courses/ Workshops:-**

Name of faculty	Name of the Conf./ Seminar/ Symp./ Workshop	Place and sponsored by	Dates
Dr. Vijay Shankar Dogra	Short-term Course on “Providing Safer Infrastructure in Hazard Prone Areas of Himachal Pradesh” for Engineering professionals in HP Govt.	NIT Hamirpur	September 21 <sup>st</sup> – 23 <sup>rd</sup> , 2017
Dr. H.K. Vinayak	Innovation Festival	Rashtrapati Bhawan, New Delhi	19 Mar 18
Dr. H.K. Vinayak	Discussion meeting on Earthquake Safety Assessment of Buildings in India.	IIIT Hyderabad.	30 <sup>th</sup> – 31 <sup>st</sup> August 2017
Dr. H.K. Vinayak	Meeting of National Platform for Disaster Risk Reduction.	Vigyan Bhawan, New Delhi	15–16 May 17

**(V) JOURNALS:-****(i) International Journals Published by Faculties:**

1. Rajat Kango, M. A. Alam and **Vijay Shankar** (2017). "Investigations of wall effect on permeability through porous media at low flow rates". *Water Supply and Technology: Water Supply*. ws2017113; DOI: **10.2166/ws.2017.113**
2. Bansal, V.K. (2017). "Integrated CAD and GIS-based framework to support construction planning: a case study." *Journal of Architecture Engineering*,23(3): 05017005.
3. **Pandey, Umesh Kumar and Benipal, Gurmail S.** (2017). "First order homogeneous dynamical systems, Part-I : Theoretical formulation"**International Journal of Structural Engineering**, 8(3), 187-204. **Inderscience (Scopus) Pandey.**
4. Umesh Kumar and Benipal, Gurmail S. (2017). "First order homogeneous dynamical systems, Part-II: Application to cracked concrete beams" **International Journal of Structural Engineering**, 8(3), 205-226.**Inderscience (Scopus)**

**(VI) CONFERENCES:-****INTERNATIONAL CONFERENCES:**

1. Navsal Kumar and Vijay Shankar, "Soil moisture dynamics in vadose zone under different boundary conditions", 22nd International Conference on Hydraulics, Water Resources & Coastal Engineering (HYDRO-2017), December 21<sup>st</sup>-23<sup>rd</sup>, 2017, L.D. College of Engineering, Ahmedabad, India, Vol. 2, pp. 1460-1469
2. Arunava Poddar, Aashish Sharma and Vijay Shankar, "Irrigation scheduling for potato (*Solanum Tuberosum* L.) based on daily crop coefficient approach in a sub-humid sub-tropical region", 22<sup>nd</sup> International Conference on Hydraulics, Water Resources & Coastal Engineering (HYDRO-2017), December 21<sup>st</sup>-23<sup>rd</sup>, 2017, L.D. College of Engineering, Ahmedabad, India, Vol. 2, pp. 1470-1475
3. Gaurav Chauhan, Rajiv Ganguly and Vijay Shankar, "Two dimensional finite time simulation of waste spills in rivers", 22<sup>nd</sup> International Conference on Hydraulics, Water Resources & Coastal Engineering (HYDRO-2017), December 21<sup>st</sup>-23<sup>rd</sup>, 2017, L.D. College of Engineering, Ahmedabad, India, Vol. 1, pp. 845-854
4. 6th World Conference on Applied Science, Engineering and Technology, 2<sup>nd</sup> -3<sup>rd</sup> January 2018, published in ISBN978-81-932966-9-1, P 51 authored by Pardeep Kumar and Nishi Gangwar, "Wireless sensor Network for Building Monitoring"

**(VII) Expert Lectures Delivered:-**

Sr. No.	Topic	Course/Programme	Name of Expert	Institute/ Organisation
1.	RCC, Masonry and Confined masonry Construction	Training of Mason in Earthquake Hazard Resistant Construction 26-30 December, 2017	Dr.H.K. Vinayak	DDMA Mandi at Mandi
2.	RCC, Masonry and Confined masonry Construction.	Training of Mason in Earthquake Hazard Resistant Construction 3-7 October, 2017	Dr.H.K. Vinayak	DDMA Shimla at Shimla

3.	RCC, Masonry and Confined masonry Construction.	Training of Mason in Earthquake Hazard Resistant Construction 13-17 Sept, 2017	Dr.H.K.Vinayak	DDMA Kangra at Dharmshalla
4	Training Programme for SSA Engineers in “Construction	Initiation on Desk to Completion in Field on Preparation of Estimates in Excel, Confined Masonry Concept w.r.t NBC 2016, Sample Inspection w.r.t Codal Provision 8-10 Sept, 2017 12th – 14th August, 2017	Dr.H.K.Vinayak	HIPA Shimla
5.	Retrofitting of Structures” in one day training programme	Retrofitting of Structures” in one day training programme 30 <sup>th</sup> June 2017	Dr. H.K.Vinayak	Shimla Municipal Corporation.
	Three days Orientation – cum-Sensitization Programme on Safe Construction Practices for Engineers and Mason	Safe Construction Practices for Engineers and Mason 5 <sup>th</sup> – 7 Jun 2017	Dr.H.K.Vinayak	DC office Keylong, LahaulSpiti Himachal Pradesh

#### Visit to Outside Institute/Organization and Academic Interactions:

British Antarctic Survey, Cambridge, UK	Project Progress Meeting under MoES - NERC Project “SusHi-Wat - 2016-2019”	October 2 <sup>nd</sup> – 4 <sup>th</sup> , 2017 (Dr. V.S.Dogra)
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#### (VIII) CONSULTANCY SERVICES:-

Sr. No.	Name of The Test	Sponsored Agency	Amount
1.	Routine Testing of Cement , Aggregate Samples	HPPWD, IPH, SJVNL, Power Grid Corporation of India, Unipro Techno, Oil Corporation, Govt Contractors	<b>1,36,49,460</b>
2.	Field Testing of Soil Bearing Capacity and Testing of Various soil Samples	HPPWD,HP IPH, SJVNL, Power Grid Corporation of India, Unipro Techno, HP Cricket Association India, Oil Corporation, Govt Contractors	
3.	Design of Multistoried building	HPPWD, IPH, SJVNL, Power Grid Corporation of India, Unipro Techno, Food Corporation of India	

4.	Routine testing of CBR, Bitumen , Coarse Aggregate	HPPWD, HP IPH, SJVNL, Power Grid Corporation of India, Unipro Techno, Oil Corporation, Govt Contractors	
5.	STA for PMGSY	Ministry of Rural Roads Government of India	
6.	STA- for HP IPH	Himachal Pradesh Irrigation and Public Health Department, Shimla	-

**(IX) M. Tech Dissertation Guidance:-  
M.Tech Complete in 2017:**

<b>(M.Tech)</b>	<b>Guide</b>	<b>Name of the Student</b>	<b>Brief report</b>
Geotechnical Engineering	Dr. R.K. Sharma	Mr. Randeep 15M102	Completed
		Mr. Ankush Thakur 15107	Completed
		MrRishabh Kumar 15M111	Completed
		Mr. Tushar Bhrdwaj 15M112	Completed
		Mr. Gaurv Juneja 15M108	Completed
		Mr. Gupta Abhishek Keert 15M109	Completed
		Ms. A Nanung Borang 15M105	Completed
		Mr. Waychal Rohit Rajendra 15M115	Completed
	Dr. R.K. Dutta	Mr. Anuj Pal 15M101	Completed
		Ms. Suman Kumar 15M103	Completed
		Mr. Surya Pratap Singh 15M104	Completed
		Mr. Ajay Sing 15M106	Completed
		Ms. Radha Rani 15M110	Completed
		Mr. Uddayan Partap Singh 15M113	Completed
		Mr. Vivek Thakur 15M114	Completed

Structural Engg.	Dr. Pardeep Kumar	Mr. Anand Kumar 15M116	Completed
		Ms. Nishi Gangwar 15M118	Completed
	Dr. Vijay Kumar Bansal	Mr. Ashish Singh 15M122	Completed
		Mr. Dinesh Kumar 15M126	Completed
	Dr. U.K. Pandey	Mr. Govind Mohan 15M117	Completed
		Mr. Kailash Kumar 15M128	Completed
	Dr. H.K. Vinayak	Mr. Bharat Kkhullar 15M125	Completed
		Mr. Rahul Kumar Singh 15M129	Completed
		Mr. Ataur Rehmaan 15M123	Completed
	Dr. K. Nallasivam	Mr. Ravi Kumar 15M119	Completed
		Mr. Ishan Shankar Vats 15M127	Completed
	Dr. A.K. Roy	Mr. Atual Sardalia 15M124	Completed
		Mr. Rahul Sharma 15M130	
	Transportation System Engineering	Dr. Sunil Sharma	Mr. Akilesh Nautiyal 15M131
Mr. Deepak Mittal 15M135			Completed
		Mr. Rajesh Chouhan 15M140	Completed
		Mr. Ramoo Ram 15M142	Completed
		Mr. Rohan Bhatti 15M144	Completed
Mr. Sandeep Panchal		Mr. Ashutosh Gupta 15M133	Completed
		Mr. Asim Debarma 15M134	Completed
		Lalit Singh Rawat 15M138	Completed

	Dr. Shashi Kant Sharma	Mr. Anand Kumar 15M132	Completed
		Mr. Himanshu Kumar Yogi 15M136	Completed
		Lalit Thakur 15M139	Completed
		Mr. Rajesh Kharola 15M141	Completed
Water Resources Engineering	Dr. V.K. Sarda	Mr. Deepak Chabra 15M147	Completed
		Mr. Aman Dhiman 15M148	Completed
		Mr. Rahual Shakya 15M154	Completed
		Mr. Saurabh Raj 15M155	Completed
	Dr. Vijay Shankar Dogra	Mr. Navsal Kumar 15M150	Completed
		Mr. Paras Gupta 15M151	Completed
		Mr. Vishal Chaudhary 15M158	Completed
		Mr. Aashis Sharma 15M146	Completed
		Mr. Shankar Ghosh 15M156	Completed
		Mr. Pardeep Kumar 15M152	Completed
		Mr. Pushpendra Kumar 15M153	Completed

**M.Tech Admission in 2017:**

(M.Tech)	Guide	Name of the Student	Brief report
Geotechnical Engineering	Dr. R.K. Sharma	Ms. Gyan Garima Singh 17M101	On Going
		Mr. Rahul Goswami 17M102	On Going
		Mr. Mohan Baja 17M104	On Going
		Mr. Rohit Chaurasia 17M110	On Going
		Mr. Mohammad Naushad 17M112	On Going

	Dr. R.K. Dutta	Mr. Manish Kumar Yadav 17M105	On Going
		Mr. Mohammad Saqib Bin Lateef 17M106	On Going
		Mr. Ambuj Kumar Shukla 17M111	On Going
		Ms. Smriti Sagar 17M113	On Going
		Mr. Neelesh Kumar 17M114	On Going
Structural Engg.	Dr. Pardeep Kumar	Ms. Joti 17M128	On Going
		Mr. Vishal Kumar Gupta 17M132	On Going
	Dr. Vijay Kumar Bansal	Mr. P.V. Aditya 17M126	On Going
		Mr. Nitin Bhardwaj 17M127	On Going
	Dr. U.K. Pandey	Mr. Rajul Babar 17M130	On Going
		Mr. Honery Verma 17M131	On Going
	Dr. H.K. Vinayak	Mr. Shashidara 17M121	On Going
		Mr. Desh Deepak Sharma 17M125	On Going
	Dr. K. Nallasivam	Mr. Alok Tiwari 17M133	On Going
	Dr. A.K. Roy	Mr. Sajid Masoom 17M122	On Going
		Mr. Desh Deepak Verma 17M123	On Going
	Transportation System Engineering	Dr. Sunil Sharma	Mr. Sudhir Singh Rana 17M141
Mr. Anand Kumar Dogra 17M143			On Going
Mr. Burande Akshay Om Prakash 17M144			On Going
Mr. Ravi Kant 17M145			On Going
Mr. Guneet Saini 17M147			On Going
Mr. Abhinandan 17M148			On Going
Mr. Shubham Tomar 17M149			On Going

		Ms. Garima Rana 17M150	On Going
		Mr. Vikas 17M151	On Going
		Mr. Anil Chauhan 17M152	On Going
		Mr. Shahrukh 17M153	On Going
		Mr. Rohit Attri 17M154	On Going
		Mr. Laksmi Kumar Bishoo 17M155	
		Ms. Ruhina Anjum 17M156	
Water Resources	Dr. V.K. Sarda	Ms. Saumya Gupta 17M167	On Going
		Mr. Saourabh 17M172	On Going
		Mr. Arindom Das 17M125	On Going
		Mr. Pratik Gautam 17M168	On Going
	Dr. V.K. Sarda	Mr. Krishan Kumar 17M174	On Going
		Dr. V.S . Dogra	Mr. Rahul Sinha 17M162
	Dr. V.S . Dogra	Ms. Preeti 17M170	On Going
		Mr. Mohamad Umerjan Deva 17M169	On Going
		Mr. Mekharj Unwar 17M165	On Going
		Ms. Sajal Maharshi 17M166	On Going
		Mr. Rajat Kango	Mr. Shivendra 17M173
	Mr. Ram Raj 17M163		On Going
	Mr. Arvind Kumar 17M163		On Going
	Ms. Nisha 17M171		On Going

**(X) Ph.D. Admission:-**

S.No.	Name of Student	Research Area	Status	Name of Guide
1	Mr. Navsal Kumar S/o Sh. Satyendra Kumar	Water Resources Engineering	Regular under MOES Project	Dr. Vijay Shankar Dogra
2	Mr. Akhilesh Nautiyal S/o Sh. Devendra Prasad Nautiyal	Transportation Engineering	Regular	Dr. Sunil Sharma
4.	Mr. Govind Mohan S/o Sh. Ashwani Kumar	Structural Engineering	Regular	Dr. U.K. Pandey
5.	Mr. LalitGoel S/o Sh. Dila Ram Goel	Water Resources Engineering	Regular	Dr. R.K.Sharma Dr. Vijay Shankar Dogra

**Ph.D Award 2017-18**

S.No.	Name of Student	Title of the Thesis	Status	Name of Guide
1.	Mr. SushilSagar Sharma	Geotechnical Characterisation of Flyash-Redmud Mix Stabilised With different Additives	Part Time	Dr. Raman Parti and Dr. R.K.Dutta

**(XI) No. of R&D Projects (completed and in-progress):**

Sr. No.	Title of Project	Funding Agency & Amount Sanctioned	Allotment Year & Time	Present Status of the Project/PI	Name of PI or Co-PI
1.	Application of geospatial technologies in the development of scientific approach to prioritize up gradation of roads constructed under PMGSY in Himachal Pradesh	Department Of Science And Technology (DST) Himachal Pradesh	2017	Ongoing	Dr. Sunil Sharma (PI), Dr. V.K.Bansal (Co-PI)

2.	RVS study of important buildings of Hamirpur district	2.4 lacs.	5 February 2018 – 31 <sup>st</sup> November 2017	Completed	Dr. H.K.Vinayak
3.	Integrated Cluster Action Plan for Moorang, Shimla Rural and Sihunta Cluster as PI sponsored by Rural Development Himachal Pradesh	11.0 lacs	27 September 2017 – 31 <sup>st</sup> November 2017	Completed	Dr. H.K.Vinayak
4.	Identification, Plan and Development of Post - Earthquake Safe shelter for Shimla city.	3.96 lacs	2 <sup>nd</sup> Aug 2017 – 31 March 2018	Completed	Dr. H.K.Vinayak
5.	An evaluation of Vocational Education Programme at Senior Secondary Level in Hiamchal Pradesh as Co-PI sponsored by SSA/RMSA Himachal Pradesh.	3.30 lacs.	19 Dec 2016 – 19 Jun 2017	Completed	Dr. H.K.Vinayak
6.	Developing upgraded models of school structures in rural areas through existing innovative developed concepts as PI sponsored by SSA/RMSA Himachal Pradesh.	2.86 lacs.	24 <sup>th</sup> Aug 2016 – 31 <sup>st</sup> May 2017	Completed	Dr. H.K.Vinayak
7.	Providing Safe Critical infrastructure in Hazard prone area of HP	RS. 8.10 Lakh	2016	In Process	Dr. Pardeep Kumar
8.	Sustaining Himalayan Water Resources in a Changing Climate (SusHi - Wat)	Newton Bhabha Fund Ministry of Earth Sciences, GOI - Natural Environment Research Council-UK (International Collaborative Project) <b>(Rs. 56.8 Lacs)</b>	2016	In process	Dr. V.S.Dogra

**(XII) DETAIL OF LABORATORIES:**

Sr. No.	NAME OF LABORATORY
1	Geotechnical Laboratory
2	Structure Laboratory
3	Irrigation & Hydraulics Laboratory
4	Flume Laboratory
5	Concrete Laboratory
6	Foundation Engineering Laboratory
7	Surveying Laboratory
8	Transportation Laboratory
9	Geology Laboratory
10	Remote Sensing & GIS Laboratory
11	Computation Laboratory
12	Environmental Engineering Lab

**(XIII) EQUIPMENT/ FURNITURE PURCHASED:**

Sr. No.	Name of Equipment/ Furniture	Qty	Name of Manufacturer	Cost in Rs
1.	Double Ring Infiltrimeter	1 no.	Roorkee Industries,699, West Amber Talab , Mathura, Vihar Wali Gali Old Railway , Roorkee-247 667	17850.00
2.	Academic Perpetual -5 Users Pack(STAAD Pro V8i& STAAD Foundation Advance + MX Road+ Water GEMS & Sewer GEMS+ Storm CAD+ Microstation)	1 no.	M/s Bentley System India Ltd. 203, Okhla Industrial Estate, Phase-III, New Delhi	5,76,450.00
3.	Rapid Chloride Ion Permeability Test	1 no.	M/s Factual Tech Solution, F - 153/B.G.F., Abulfazal Enclave-II, Shaheen Bagah Okhla, New Delhi-110 025	4,69,640.00
4.	3300 Lumens Wireless Projector	2nos.	Reliable Computers, shop No. 121, Satya complex, Hamirpur (HP) -17701	1,40,000.00
5.	Biometric Identification Machine	4 nos.	P & L Services 157 E Pocket 4 Mayur Vihar Phase 1, East Delhi - 110091	92,171.00
6.	Canon 2900 B Laser Jet Printer	1 no.	New Gautam Traders, Anu, NIT, Hamirpur-177 001	9,650.00

7.	Pressure Plalte Apparatus	1 no.	Roorkee Industries,699, West Amber Talab, Mathura, Vihar Wali Gali Old Railway , Roorkee-247 667	35,40,000.00
8.	Supply & Installation of Integrated Bluetooth enabled GNSS Base receiver with receive and Antenna in single housing	1 no.	Amil Ltd. Naimex House, A -B Mohan, Cooperative Industrial Estate, Mathura Rod, New Delhi-110044	13,50,000.00
<b>MOES_NERC funded Project “Him alayan Water Resources in A Changing Climate (SuSHwat)” Dr. Vijay Shankar Dogra</b>				
1.	Soil Moisture Sensors	12 Nos	Roorkee Industries,699, West Amber Talab, Mathura, Vihar Wali Gali Old Railway , Roorkee-247 667	56,700.00
2.	Multimeter-Infrared Thermometer with Datalogger-	01 no.	Roorkee Industries,699, West Amber Talab, Mathura, Vihar Wali Gali Old Railway , Roorkee-247 667	2,46,750.00
3.	Soil Moisture Profile Probe with 20 Access Tubes & Installation Kit	1 no	Roorkee Industries,699, West Amber Talab, Mathura, Vihar Wali Gali Old Railway , Roorkee-247 667	5,90,000.00
4	Guelph Permeter	1 no.	Roorkee Industries,699, West Amber Talab, Mathura, Vihar Wali Gali Old Railway , Roorkee-247 667	5,31,000.00
5.	Bench Top Saturated Hydraulic Conductivity Meter	18 nos.	Roorkee Industries,699, West Amber Talab, Mathura, Vihar Wali Gali Old Railway , Roorkee-247 667	5,90,000.00

## DEPARTMENT OF ELECTRICAL ENGINEERING



### (I) Academic Staff:

**Head :** Dr. Zakir Husain

Ph.D

### FACULTIES :

Professor		Associate Professor	Assistant Professor	
04		06	06	
Sr.No	Name	Designation	Qualification	Specialization
1.	Dr. Yog Raj Sood	Professor	Ph.D	Power system & AI Applications to Deregulation of Power System
2.	Dr. Sushil Chauhan	Professor & Registrar	Ph.D	Power System
3.	Dr. Ram Naresh Sharma	Professor	Ph.D	Power System
4.	Dr. Ashwani Kumar Chandel	Professor	Ph.D	Electric Power Quality & Harmonics
5.	Dr. Zakir Hussain	Associate Professor	Ph.D	Power System
6.	Dr. Ravinder Nath	Associate Professor	Ph.D	Signal processing & Control Engg.
7.	Dr. Veena Sharma	Associate Professor	Ph.D	Instrumentation & Control Engg.
8.	Dr. R. K. Jarial	Associate Professor	Ph.D	Power Electronic & Drives
9.	Dr. B. B. Sharma	Associate Professor	Ph.D	Control Engineering
10.	Dr. O. P. Rahi	Associate Professor	Ph.D	Power System
11.	Dr. HimeshHanda	Assistant Professor	M. Tech.	Instrumentation & Control Engg.

12.	Dr. Amit Kaul	Assistant Professor	Ph.D	Signal Processing
13.	Er. Rajesh Kumar	Assistant Professor	M. Tech. (pursuing Ph.D under QIP)	Power System
14.	Er. BhartiKoul	Assistant Professor	M. Tech.(pursuing Ph.D under QIP)	Power System
15	Dr. Manisha Sharma	Assistant Professor	Ph.D	Power System
16	Dr. Chandrasekaran S.	Assistant Professor	Ph.D	Power System

**DISTINCTION ACHIEVED:**

(a) By Student : 74.28 placement of the 2017-18 batch students

**1 SEMINAR SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSE:**

a) Conducted in the Department:

Sponsoring Agency	Name of the Coordinator	Title of the Seminar/Symposia etc.	Duration	Venue
NIT Hamirpur	Dr. Ashwani Kumar Dr. Zakir Husain Dr. R.K. Jarial	Economic Operation of Power System with MATLAB Applications	19th June-24th June, 2017	NIT Hamirpur
Skill India	Dr. Ashwani Kumar Dr. Zakir Husain Dr. R.K. Jarial	Modern Trends in Electrical Apparatus Repair Maintenance and Safety	18th July-23rd July, 2017	NIT Hamirpur
NIT Hamirpur	Dr. Ashwani Kumar Dr. Zakir Husain Dr. R.K. Jarial	Real Time Simulation in Electrical Domain Using Typoon HIL and MATLAB	3rd Oct-8th Oct, 2017	NIT Hamirpur
GIAN MHRD	Dr Chandrasekaran Dr R K Jarial	PMSM & BLDC Motor Drive System	Dec18-29, 2017	Web Studio NIT Hamirpur
Skill India NIT Hamirpur	Dr Zakir Husain Dr A K Chandel Dr R K Jarial	Modern Trends in Electrical Apparatus repair maintenance and safety	July18-23, 2017	EED NIT Hamirpur
TEQIP-II	Dr Zakir Husain Dr A K Chandel Dr R K Jarial	Real Time Simulation in Electrical Domain Using Typoon HIL and MATLAB Simulators	Oct. 03-08, 2017	EED NIT Hamirpur
NIT Hamirpur	Dr. Zakir Husain Dr. Ashwani Kumar Dr. R.K. Jarial	Economic Operation of Power System with MATLAB Applications	19th June-24th June, 2017	NIT Hamirpur

Skill India	Dr. Zakir Husain Dr. Ashwani Kumar Dr. R.K. Jarial	Modern Trends in Electrical Apparatus Repair Maintenance and Safety	18th July-23rd July, 2017	NIT Hamirpur
NIT Hamirpur	Dr. Zakir Husain Dr. Ashwani Kumar Dr. R.K. Jarial	Real Time Simulation in Electrical Domain Using Typhoon HIL and MATLAB	3rd Oct-8th Oct, 2017	NIT Hamirpur

## b) International Conference Organized by EED:

Sponsoring Agency	Name of the General Chair	Title of the Conference	Duration	Venue
NIT Hamirpur	Dr. Zakir Husain	International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET-EITM-17)	16 <sup>th</sup> Dec-18 <sup>th</sup> Dec, 2017	NIT Hamirpur

## c) Participated by Faculty members:

Name of the Staff	Course/Seminar	Organization	Duration	Venue
Dr R K Jarial	International Conf. IEEE Sponsored CATCON 2017 held at IIT Ropar	IIT Ropar ( Pb)	16-18, Nov. 2017	Chaired One Technical Session on Power Transformers & Delivered One Lecture at IIT Ropar
Dr R K Jarial	TRIAL Run Inspection Electrical Bus ( 40 seats) Vehicle M/s TATA Motors Ltd.	Organised by Himachal Roadways Transport Corpn. Shimla	4-6, April 2017	Parwanoo ( HP) to Shimla ( HP)
Dr. Himesh Handa	Real time simulation using Typhoon HILL and Matlab simulators	Electrical Engg. Deptt. NIT, Hamirpur	03/10/2017 to 07/10/2017	NIT, Hamirpur

## 3 RESEARCH:

## (a) Research Scheme:

Title of the scheme	Sponsored by	Assistance received (Rs. In lacs)	Investigator	Brief Report
Performance evaluation and health assessment of transformers	TEQIP-II	1.52	Chilaka Ranga and Ashwani Kumar	Completed
Optimal automatic generation control of interconnected power systems using Meta-heuristic approaches	CSIR India	Two installments has been received (approx. 6 lacs)	Dr. Veena Sharma	This problem of optimal automatic generation control of interconnected power systems has been solved using using different control techniques and tuning of parameters of controllers is done using different meta-heuristic approaches.

Rapid and precise detection of grid voltage amplitude and phase for low-voltage ride-through capability in PV system	CSIR	24.71 (Sanctioned) 12.53 (Received)		Ongoing
Automatic Recognition of Dialects of Himachal Pradesh	HIMCOSTE	4.65 lakh	Dr. AmitKaul (PI) Dr. Ravindernath (Co-PI)	Ongoing

**(a) Research Publication:****Research Papers Published in National and International Journals/Conferences: ANNEXURE-A****Doctoral Programme : Yes**

Ph. D. Degree awarded :

**DOCTORAL PROGRAMME :**

Sr.No.	Title	Guide	Name of the student(s)	Brief Report
1.	Investigations using meta-heuristic based approaches to solve unit commitment problems	Dr R. Naresh Dr Veena Sharma	Prateek Kumar Singhal	Mr Prateek Kumar Singhal worked for three and half years on this problem and solved various types of unit commitment problems found in literature.
2	Hybrid gravitational search algorithm based solution methodology for short term hydrothermal scheduling problems	Dr Veena Sharma Dr R. Naresh	Goutham Kumar Nadakuditi	Mr Goutham Kumar Nadakuditi worked for three and half years on this problem and solved various types of hydrothermal scheduling problems found in literature
3.	Multi area automatic generation control of integrated wind-thermal power system	Dr. Ram Naresh Sharma	Amita Singh	The thesis work provides evolutionary approaches to solve multi area automatic generation control of integrated wind-thermal power system.
4.	Topologies of multi-stage solid state transformer (modeling and simulation)	Dr. Ram Naresh Sharma	Pragya Singh	The thesis details different Topologies of multi-stage solid state transformer and simulates different models.
5.	Power system state estimation using particle swarm optimization.	Dr. Ram Naresh Sharma	Shiv Kumar Sikarwar	The thesis work provides particle swarm optimization approach to solve power system state estimation problem.
6.	Multi-area economic dispatch using evolutionary algorithms	Dr. Ram Naresh Sharma	Vineet Kumar	The thesis work provides evolutionary algorithms for sloving multi area economic dispatch problems.
7.	Performance Evaluation and Health Assessment of Power Transformers	Dr. Ashwani Kumar Chandel	Mr. Chilaka Ranga	This thesis focuses on reporting the research study on a problem area relating to the condition and health index determination of power transformers.
8.	Wireless Sensor Networks Energy Efficient MOTE Transfer for Voice Applications	Dr R K Jarial	Vivek Kumar Dubey	Awarded ( off campus scholar)

9.	Grid Synchronisation Techniques	Dr R K Jarial & Dr. Chandrasekaran	Anant Kumar Verma	The candidate was registered for regular Ph D program in Aug.2016 and has successfully completed Course Work Requirement. Candidate is getting ready for Comprehensive exam in July 18,
10.	Design & Performance Analysis of Solar Power System	Dr Y R Sood & Dr. R K Jarial	Shafquat Mughal	The candidate joined in Jan.2017 And completed his course work in Dec. 17 and He Is a Part Time Ph D scholar and is currently trying simulate Solar Power System of BGSTU, Jammu with techno – economic constraints
11.	Modeling and Analysis of Wind Turbine based Multi-phase Induction Generator for Dispersed Generation and Utility Grid Application"	Dr. Zakir Husain	Mr. Neeraj Mishra	Ongoing
12.	Optimal Power Flow using Metaheuristic Approaches	Dr. Ram Naresh Sharma	Harish Pulluri	The thesis work provides to solve optimal power flow problems using metaheuristic approaches like new Stud Krill Herd algorithm and new enhanced Self-Adaptive Differential Evolution with Mixed crossover algorithm.
13.	Combining Esoteric and Traditional biometrics for Human Authentication	Dr. Amit Kaul	Akhil Walia	Ongoing
14.	Multimodal Biometric Authentication using Palmer and Dorsal Hand Patterns	Dr. Ravinder Nath	Gaurav Jaswal	Thesis Submitted

#### 4 M.Tech. Thesis completed:

Sr.No.	Title	Guide	Name of the student(s)	Brief Report
1	Economic dispatch and optimal power flow using symbiotic organisms search	Dr. Ashwani Kumar	P. Naveen	
2	Modeling and analysis of saturated synchronous machine under short circuit conditions	Do	Bharat Singh	
3	Distribution system reconfiguration using SPSO in presence of DGs	Do	Kalpna	
4	Aging Analysis and diagnostic of power transformer insulation with inhibitors	Do	Kuldeep Kumar Bansal	
5	Uncertainty modeling in control system and design of a robust controller using H-infinity method.	Dr Veena Sharma	Anushree Das	The thesis work deals with the controller design problem for an active car-suspension system with an uncertain actuator model.

6	Tracking trajectory of moving object using Kalman filter	Dr Veena Sharma	Nazia Aslam	The thesis gives the details to develop an algorithm which is simple, adaptable to the various changes in the scene when tracking the trajectory.
7	ECG Based Human recognition using model based statistical estimation techniques	Dr. Ravinder Nath & Dr. Amit Kaul	Mr. Siddartha Reddy	The thesis deals with Biometric Recognition using ECG signal. Model based statistical estimation techniques leading to non-fiducial approaches were employed for person recognition.
8	Image Inpainting Using Partial Differential Equations and Exemplar Based Techniques	Dr. Ravinder Nath & Dr. Amit Kaul	Mr. Praveen Kandula (15M228)	The work carried out in this thesis work attempts to club two techniques so as to integrate the features of both of them. This might provide effective solution for object removal and image recovery.
9	Reconstruction of an Image by Using Super Resolution Technique	Dr. Ravinder Nath & Dr. Amit Kaul	K. Naresh (15M229)	This thesis mainly focuses on single frame image super-resolution instead of multi-frame super-resolution.
10	Performance Evaluation of High Temperature Solid Dielectrics of Power Transformer with a Mix of Mineral and Silicon Oils	Dr. Ashwani Kumar Chandel	Manoj Kumar (15M254)	Performance Evaluation of High Temperature Solid Dielectrics of Power Transformer with a Mix of Mineral and Silicon Oils has been carried out in this dissertation.
11	Furfural analysis for assessing degradation of accelerated thermally stressed alternative solid dielectrics of power transformers	Dr. Ashwani Kumar Chandel	Ashish Kumar Mishra (15M259)	Furfural analysis for assessing degradation of accelerated thermally stressed alternative solid dielectrics of power transformers Oils has been carried out in this dissertation.
12	Evaluation of Health Index and Fault Analysis of Transformers using Simplified Fuzzy logic Technique	Dr. Ashwani Kumar Chandel	Anjali Kumari (15M260)	Evaluation of Health Index and Fault Analysis of Transformers using Simplified Fuzzy logic Technique in the present dissertation.
13	Effective Interpretation of transformer SFRA signatures using multi-resolution decomposition technique	Dr R K Jarial	Anurag Burman (15M251)	The Dissertation covers important issue related with mechanical integrity of Power Transformer which may get affected during dislocation of power transformer during transportation, abnormal operation, Short Circuits faults etc. The SFRA signatures detect faulty winding and accurate interpretations of SFRA signatures identifies analysis tools for further diagnosis.
14	Condition Assessment of rotating machine using fuzzy Logic Approach	Dr R K Jarial	Alok Richarya (15M257)	The condition assessment of rotating machines like poly phase Hydro-power generators has been covered by using Fuzzy logic approach. One software for assessing health of rotating machinery has been also developed.

15	Performance Analysis of Induction motor drive by Direct Torque Control Method using MATLAB Simulation	Dr R K Jarial	Veer Singh Meena (15M252)	The dissertation covers important tool of performance analysis of a poly phase induction motor under various loading using DTC loop. The simulation and validation part has also been accomplished by the candidate.
16	End of Life estimation of Power Transformer by using Risk Based Approach	Dr R K Jarial	Rachna Panwar (15256)	This dissertation applies SVM technique for estimation of remaining life of Power Transformers using risk based approach.
17	Estimation of flux level for optimal operation for Reduced aging of variable speed matrix converter fed Induction Motor Drive	Dr R K Jarial	Ajay Singh Negi (15M255)	The dissertation highlights impact of flux variations in the airgap during optimal operation mode for a three-phase matrix converter fed Induction motor drive and correlate condition assessment & losses with drive performance at various loadings.
18	Investigations into Seasonal Influence on the Substation Grounding Grid Performance and Its Optimal Design to Neutralize the Influence	Dr O P Rahi	Nitish Bhardwaj	The main work is on earthing in which the seasonal Influence on the substation grounding grid performance has been investigated and the design has been optimized to neutralize this seasonal influence. One paper in IEEE Conference has been published out of this Dissertation.
19	Protection of power transformer using Artificial Intelligence	Dr O P Rahi	Nimish Bhatt	The dissertation focuses on the importance of power transformer and its protection. The various faults occurring on power transformer have been analyzed and finally AI technique using Neural Network has been used as a research tool in this research work. One paper in IEEE Conference has been published out of this Dissertation.
20	Chaotic System Synchronization with Application to Secure Communication	Dr. Himesh Handa	Mr. Anurag (15M226)	In this work, a secure chaos communication based on chaotic system synchronization for audio transmission has been developed. For this purpose, two identical fractional-order four wing autonomous chaotic systems in master-slave configuration has been taken.
21	Optimal Power Flow Using Antlion Meta heuristic algorithm	Dr. Ram Naresh Sharma	Vaddi Narendrababu	The thesis work provides antlion optimizer to solve optimal power flow problem.
22	Optimization of cogeneration system by using Interior point and Generalized Pattern Search method.	Dr. Ram Naresh Sharma	Ankit Aharwar	The thesis provides an alternate strategy to solve economic dispatch of combined heat and power of cogeneration system.
23	Short term hydrothermal scheduling using symbiotic organism search algorithm	Dr. Ram Naresh Sharma	Gedelaravi Chandra reddy	The thesis work provides symbiotic organism search algorithm for the short term hydrothermal scheduling problem.

24	Development of methodology for DGA of Power Transformers	Dr. Ram Naresh Sharma	Afreen Sheikh	The thesis work provides the drawback of conventional DGA method over artificially created neural network by the use of Back Propagation Algorithm.
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### CONSULTANCY SERVICES:

Sr.No.	Name of the scheme	Sponsored agency	Amount earned
1	TIFAC CORE on Power Transformer Diagnostics Faculty of EED is being involved in all job assigned by Clients from time to time to provide test reports of field tests as per need of clients for further action by the utilities	HPSEBL, Shimla	Rs 23,57,076 Under TIFAC Centre, NIT Hamirpur (1-4-2017 to 31-3-2018)
2	Power Transformer Diagnostics	TIFAC CORE Project	As per office record

### Popular Lectures by outside Experts:

Sr.No.	Date	Speaker	Topic
1	21-06-2017	Er. S Agnihotri- Chief Engineer HPSEBL, Hamirpur	Protection & Economic Operation of Power System
2.	2-9-2017	Dr S R Kannan- formerly Vice- Chairman M/s Crompton Greaves	Health Assessment Of Transformers- Challenges
3.	2-9-2017	Dr Joy Thomas- Professor, HV Engineering IISc Bangalore	Liquid Insulations used in HV Transformers
4.	3-9-2017	Er. M MGoswami- General Manager( Engineering), Power Grid Corpn Ltd.	Importance of Transformer Inner view in Diagnosis
5.	3-9-2017	Er. Shalesh Purohit- Technical Manager, E.I. Dupont Pvt. Ltd., Mumbai	Emerging Solid Insulations for Power Industry
6.	3-10-2017	Er. H I Siddiqui, Chief Executive, M/s QuarbzInfotech Systems, Kanpur	Real Time Simulator Tools using HIL
7.	18-29, Dec., 2017	Prof. R. Krishnan, Virginia Tech. USA	PMSM & BLDC Drives under GIAN Program
8.	19-28, Dec, 2017	Dr. Ragavan ,Asso. Prof., EED IIT GandhiNagar	- do-

- 3 TECHNICAL ASSOCIATION/SOCIETIES :** Electrical Engg. Society.  
Faculty members are member of various professional bodies like IEEE, ISTE,, IETE etc.

### 4 DETAIL OF THE LABORATORIES:

**4 DETAIL OF THE LABORATORIES:**

SNo.	Name of the Laboratory
1	Basic Electrical Engineering lab.
2	Circuit Theory lab.
3	Power Electronics lab.
4	Power System lab.
5	High Voltage lab.
6	Electrical Machine lab.
7	Measurement & Instrumentation lab
8	Control Engineering lab.
9	Signal Processing & Bio Medical Instrumentation lab.
10	Internet Lab
11	Microprocessor lab.
12	Power System Simulation lab.

**Annexure-1**

1. Preeti, V. Sharma, and R. Naresh. (2017). "Hybridized gravitational search algorithm tuned sliding mode controller design for load frequency control system with doubly fed induction generation wind turbine". Optimal Control Application and Methods DOI: 10.1002/oca.2305
2. H. Pulluri, R. Naresh, and V. Sharma.(2017). "An enhanced self-adaptive differential evolution with mixed crossover for multiobjective optimal power flow problems".Applied Soft Computing. Vol. 54, pp. 229-245.
3. B. Vedik and Ashwani Kumar Chandel, "Power system static state estimation using a least winsorized square robust estimator,"Nuro-computing Journal, Volume 207, Issue C, pp. 457-468, September 2016.
4. B. Vedik and Ashwani Kumar Chandel, "Optimal PMU placement for power system observability using Taguchi binary bat algorithm," Measurement (Elsevier Publication) (SCI), [Volume 95](#), pp. 8–20, January 2017.
5. Bharat Singh, Ashwani Kumar Chandel, Arvind Kumar, "Analysis of Saturated Synchronous Machine considering d-q Axis Coupling Reactance," in Proceedings of the Second International Conference on Research in Intelligent and Computing in Engineering., Gopeshwar, UK, India, pages 329–334. March 24-26, 2017.
6. Chilaka Ranga and Ashwani Kumar Chandel, "Oxidation Stability of TUK and Nomex Insulated Power Transformers," International IEEE India Conference (INDICON-16), IISC Bangalore, India.
7. Jaswal, Gaurav, Amit Kaul, and Ravinder Nath. "Palmprint and Finger Knuckle Based Person Authentication with Random Forest via Kernel-2DPCA." International Conference on Pattern Recognition and Machine Intelligence. Springer, Cham, 2017.
8. Jaswal, Gaurav, et al. "Finger knuckle image ROI extraction using watershed transformation for person recognition." Image Information Processing (ICIIP), 2017 Fourth International Conference on. IEEE, 2017.
9. Jaswal, Gaurav, Amit Kaul, and Ravinder Nath. "IKP based human authentication using multi-feature fusion." Signal Processing and Integrated Networks (SPIN), 2017 4th International Conference on. IEEE, 2017.
10. Preeti, V. Sharma, and R. Naresh. (2017). "Hybridized gravitational search algorithm tuned sliding mode controller design for load frequency control system with doubly fed induction generation wind turbine". Optimal Control Application and Methods DOI: 10.1002/oca.2305
11. H. Pulluri, R. Naresh, and V. Sharma.(2017). "An enhanced self-adaptive differential evolution with mixed crossover for multiobjective optimal power flow problems".Applied Soft Computing. Vol. 54, pp. 229-245.

## DEPARTMENT OF MECHANICAL ENGINEERING



### 1. ACADEMIC STAFF

**HEAD**     Prof. Sunand Kumar  
                 Ph. D

#### FACULTIES :

Professor	Associate Professor	Assistant Professor	Lecturer(On Contract)
Dr. Rakesh Sehgal Ph. D ( On Deputation)	Dr. Rajesh Sharma Ph. D	Dr. Siddhartha Ph. D	Dr. Mukund Dutt Sharma
Dr. Sunand Kumar Ph. D	Dr. Somesh Sharma Ph. D	Dr. Varun Ph. D	Er. Aman Hira
Dr. Anoop Kumar Ph. D	Dr. Sant Ram Chauhan Ph.D	Dr. Debashish Das M. Tech	Er. Gurpreet Singh
	Dr. Prashant Kumar Ph. D	Dr. Mohit Pant Ph. D	Dr. Sushant Negi
	Dr. Rajiv Kumar Sharma Ph. D	Dr. Santosh B. Bopche Ph. D. (On Contract)	Er. Ashwani Tayal,
			Er. Arun Rehal

**2. DISTICTION ACHIEVED:**

- (a) **By Student:** Stuentns participated in various Tehnical Festivals within Country and Qualified National level Exams Such as GATE etc.
- (b) **By Faculty Member:** Faculty visited various countries and organised STTP and Conference

**3. SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSE**

- (a) **Conducted in the Department :** Mechanical Engg. Deptt.

Sponsoring Agency	Name of the Co-ordinator	Title of the Seminar/Symposia etc.	Duration	Venue
-----NIL-----				

**4. RESEARCH:**

- (a) **Research Scheme :**

Title of the Scheme	Sponsored by	Assistance Received (in lakh)	Investigator	Brief Report
Researching High Technology System: Scope of Functional Optimization	DST (Govt. of India)	12.50 Lakhs	Dr. Somesh Sharma	--
Manufacture of pine needle based fibre boards/particle boards	DST (Govt. of India)	41 Lakhs	Dr. Rajesh Sharma (Co-PI)	Ongoing
Numerical Simulation of Thermoelastic Fracture Problems Using Element Free Galerkin Method	DST (Govt. of India)	16.38 Lakhs	Dr. Mohit Pant	Sanction on Apr-2017, Project Ref. No. : ECR/2017/000131
Early Career Research Award	SERB DST (Govt. of India)	9,16,970Lakhs	Dr. Santosh Bhaulal Bopche	Effect of surface protrusions on the collection efficiency of a modified cavity receiver Sanction on 03-Apr-2017, Project Ref. No. : ECR/2017/000225

Innovation and Entrepreneurship Development Centre, NITH	NSTEDB, DST	60000/-	Mentor Dr. Santosh B. Bopche	Design, Development and Testing of a Multistage parabolic solar collector
R & D	HP SCSTE, Shimla	5,35, 000/-	PI-Dr. Santosh B. Bopche and Co-PI Dr. Varun	Solar thermal collection efficiency improvement using multistaging of parabolic dish collector

**(b) Research Publication:****i) PAPER PUBLISHED BY FACULTY:**

S. No.	Name of Faculty	Name of Refereed Journal	National / International	Title of the Paper	Year of Publication
1	Prof. RakeshSehgal	Friction, Springer	International	Optimization of friction and wear characteristics of varied cryogenically treated hot die steel grade AISI -H13 under dry condition	2017
		i-Manager's Journal on Material Science (JMS)	International	Study of the Effect of Deep Cryogenic Treatment on the Mechanical Properties of Hot Die Steel AISI-H13	2017
		International Journal of Materials Research	International	Evolution of mechanical properties and microstructure of differently cryogenically treated hot die steel AISI–H13	2017
		Sadhana	International	Machinability of hypereutectic cast Al–Si alloys processed by SSM processing technique	2017
2	Dr. Sunand Kumar	International Journal of Business Excellence, Inderscience	International	Investigating the influence of opportunistic behaviour risk factors on offshore outsourcing	2017

		Computers and Electrical Engineering	International	Analyzing the factors in industrial automation using analytic hierarchy process	2017
		International Journal of Manufacturing Technology and Management, Inderscience Publishers	International	Measuring constructs useful for studying industrial automation: assessment in terms of performance	2017
<b>3</b>	Dr. Anoop Kumar	Journal of Mechanical Science and Technology	International	A parametric study of the 2D model of solar air heater with elliptical rib roughness using CFD	2017
		Journal of Mechanical Science and Technology	International	Erratum to "A parametric study of the 2D model of solar air heater with elliptical rib roughness using CFD"	2017
		Journal of The Institution of Engineers (India): Series C	International	Numerical Simulation of Flow Through Equilateral Triangular Duct Under Constant Wall Heat Flux Boundary Condition	2017
		Journal of Solar Energy Engineering, ASME	International	Experimental and Computational Fluid Dynamics Study on Fluid Flow and Heat Transfer in Triangular Passage Solar Air Heater of Different Configurations	2017
<b>4</b>	Dr. Rajesh Sharma	Energy Conversion and Management, Elsevier	International	CFD investigation to quantify the effect of layered multiple miniature blades on the performance of Savonius rotor	2017
		Materials and Manufacturing Processes	International	Optimization for Turning of Al -6061-SiC-Gr Hybrid Nanocomposites Using Response Surface Methodologies	2017

		Journal of the Brazilian Society of Mechanical Sciences and Engineering	International	Interpreting H13 steel wear behavior for austenitizing temperature, tempering time and temperature	2018
5	Dr. Rajiv Kumar Sharma	International Journal of Business Excellence, Inderscience	International	Framework to assess competitive positioning in manufacturing industries	2017
		International Journal of Business Excellence, Inderscience	International	Investigating the influence of opportunistic behaviour risk factors on offshore outsourcing	2017
		NISCAIR-CSIR, India	National	Study the surface modification and characterization for powder mixed electrical discharge machining of tungsten carbide	2017
6	Dr. Somesh Sharma	The International Journal of Advanced Manufacturing Technology, Springer	International	Prognosis agent technology: influence on manufacturing organizations	2017
7	Dr. Sant Ram Chauhan	Journal of Mechanical Science and Technology, Springer	International	Feasibility of a new non-edible feedstock in diesel engine: Investigation of performance, emission and combustion characteristics	2017
8	Dr. Prashant Dhiman	Journal of Energy Storage	International	Analytical and experimental investigation of packed bed solar air heaters under the collective effect of recycle ratio and fractional mass flow rate	2018

		Progress in Computational Fluid Dynamics	International	Fluid flow and heat transfer characteristics within a rectangular microchannel array of different manifold shapes-Modelisation and optimization using CFD and RSM	2018
		International Journal of Sustainable Energy	International	Thermal and thermo-hydraulic performance investigation of double-pass packet bed solar air heaters under external recycle	2017
		International Journal of Sustainable Energy (Taylor and Francis)	International	Thermal performance assessment of recyclic double-pass flat and V-corrugated plate solar air heaters	2017
9	Dr.Siddhartha	Journal of Reinforced Plastics & Composites	International	Mechanical and thermo-mechanical peculiarity of functionally graded materials based glass fiber filled PBT composites	2018
		Polymer Composites (Willey Blackwell)	International	A novel technique for in - situ manufacturing of functionally graded materials based polymer composite spur gears	2018
		Tribology International (Elsevier)	International	An investigation on the thermal and wear behavior of polymer based spur gears	2018
		Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, Sage Publisher	International	Polymer spur gears behaviors under different loading conditions: A review	2017

		ASME Journal of Tribology (Transactions of ASME)	International	Thermal and wear behavior of glass fiber filled functionally graded materials based polyamide 66 spur gears manufactured by a novel technique	2017
		International Polymer processing (Carl Hanser Verlag)	International	A novel technique for manufacturing of polypropylene based functionally graded materials	2017
		IMechE: Part J: Journal of Engineering Tribology	International	Polymer spur gears behaviors under different loading conditions: A review	2017
		Polymers for Advanced Technologies Willey Online	International	Investigation of sub - micron size cenosphere fillers and filler loading on the mechanical and tribological peculiarity of polyester composites	2017
		Advances in Polymer Technology (Willey Blackwell)	International	Mechanical and tribological peculiarity of nano - TiO <sub>2</sub> augmented polyester based homogeneous nanocomposites and their functionally graded materials	2017
<b>10</b>	Dr. Varun	Environmental Engineering and Management Journal (Accepted)	International	Life Cycle Energy Usage and GHG Emissions Study of a Sugar Mill in India	2018
		IMechE Part J: Engineering Tribology (Sage) (Accepted)	International	Effects of Dual Biofuel Approach for total elimination of Diesel on injection system by reciprocatory frequency monitor	2018
		Renewable Energy (Accepted)	International	Assessment of diesel engine combustion, performance and emission characteristics fuelled with dual fuel blends	2018

	Journal of Mechanical Science and Technology (Springer)	International	Effect of phyllanthusemblica biodiesel based lubricant on cylinder liner and piston ring	2018
	Journal of Mechanical Science and Technology (Springer)	International	Numerical investigation of heat transfer and friction factor in ribbed triangular duct solar air heater using computational fluid dynamics (CFD)	2018
	Renewable and Sustainable Energy Reviews (Elsevier)	International	Impact of modified parameters on diesel engine characteristics using biodiesel: a review	2018
	Renewable Energy (Elsevier)	International	Investigation of heat transfer augmentation and friction factor in triangular duct solar air heater due to forward facing chamfered rectangular ribs: A CFD based analysis	2018
	Heat Transfer-Asian Research (Wiley)	International	Simulation of combustion space heat transfer of glass melting furnace	2017
	Emerging Technologies for Power Generating Systems, Annual Technical Volume (Mechanical Engineering Division Board), Institutions of Engineers, India	International	Experimental Investigation of New Non-Edible Feedstock Feasibility with Alcohol Blends in Diesel Engine	2017
	Solar Energy	International	A parametric analysis of rectangular rib roughened triangular duct solar air heater using computational fluid dynamics	2017
	Fuel	International	Impact of dual biofuel approach on engine oil dilution in CI engines	2017

	Fuel	International	Influence of temperature on tribological performance of dual biofuel	2017
	International Communications in Heat and Mass Transfer	International	Effect of apex angle variation on thermal and hydraulic performance of roughened triangular duct	2017
	Transactions of ASME Journal of Solar Energy Engineering	International	Experimental and CFD study on fluid flow and heat transfer in triangular passage solar air heater of different configurations	2017
	International Journal of Numerical Methods for Heat and Fluid Flow	International	Computational Fluid Dynamics based study for analyzing heat transfer and friction factor in semi-circular rib roughened equilateral triangular duct	2017
	Journal of Mechanical Science and Technology	International	A parametric study of the 2D model of solar air heater with elliptical rib roughness using CFD	2017
	KSME Journal of Mechanical Science and Technology	International	Feasibility of a new non-edible feedstock in diesel engine: Investigation of performance, emissions and combustion characteristics	2017
	Experimental Heat Transfer	International	Heat Transfer and Friction Factor Correlation Development for Double Pass Solar Air Heater Having V-Shaped Ribs as Roughness Elements	2017
	Journal of Mechanical Science and Technology	International	A parametric study of the 2D model of solar air heater with elliptical rib roughness using CFD	2017

		Journal of The Institution of Engineers (India): Series C	International	Numerical Simulation of Flow Through Equilateral Triangular Duct Under Constant Wall Heat Flux Boundary Condition	2017
		Journal of Mechanical Science and Technology, Springer	International	Feasibility of a new non-edible feedstock in diesel engine: Investigation of performance, emission and combustion characteristics	2017
		Journal of Solar Energy Engineering, ASME	International	Experimental and Computational Fluid Dynamics Study on Fluid Flow and Heat Transfer in Triangular Passage Solar Air Heater of Different Configurations	2017
		Heat Transfer — Asian Research, Wiley	International	Simulation of Combustion Space Heat Transfer of Glass Melting Furnace	2017
		Renewable and Sustainable Energy Reviews, Elsevier	International	Modification in combustion chamber geometry of CI engines for suitability of biodiesel: A review	2017
		Journal International Journal of Green Energy, Taylor & Francis	International	Heat transfer augmentation and flow characteristics in ribbed triangular duct solar air heater: An experimental analysis	2017
<b>11</b>	Dr. Debasish Das	Heat and Mass Transfer	International	Experimental analysis of natural convection heat transfer through staggered pin finned horizontal base plate within a rectangular enclosure	2018

		Biofuel	International	Evaluation of performance, emission and combustion characteristics of ci engine fuelled with karanja biodiesel and diethyl ether blends	2018
		Heat and Mass Transfer	International	Experimental investigation for the performance of triangular fin array within a rectangular enclosure in natural convection dominated region	2017
		Biofuel	International	Evaluation of performance, emission and combustion characteristics of diesel engine fueled with castor biodiesel	2017

**ii) PAPER**

PRESENTED IN CONCERNECE/SEMINAR/SYMPOSIUM:

Sl. No.	Name of Faculty	Details of Conference Proceeding	National / International	Title of the Paper	Year of Publication
1.	Dr. Santosh B. Bopche	FIAM 2018, International Conference on Frontiers in Industrial and Applied Mathematics, April 26 -27, 2018, Dept. of Math, NIT Hamirpur, Proceeding page no. 23.	International (Scopus Indexed)	Numerical Analysis for Radiative Energy Transfer from a Modified Cavity Receiver	2018
2.	Dr. Santosh B. Bopche	FIAM 2018, International Conference on Frontiers in Industrial and Applied Mathematics, April 26 -27, 2018, Dept. of Math, NIT Hamirpur, Proceeding page no. 19.	International (Scopus Indexed)	Numerical Analysis of Jet Impingement Cooling of Nuclear Fuel Rod Using Finite Element Method	2018
3.	Dr. Santosh B. Bopche	FIAM 2018, International Conference on Frontiers in Industrial and Applied Mathematics, April 26 -27, 2018, Dept. of Math, NIT Hamirpur, Proceeding page no. 98.	International (Scopus Indexed)	Numerical Analysis for Heat Transfer in case of Electronic Devices through Cooling Channels Using FEM	2018

**iii) PAPER ACCEPTED FOR PUBLICATION: NIL**

- (c) Doctoral Programme: 06 Nos. ongoing (During Session July, 2017-July,2018)  
 (d) Ph. D. Degree awarded: 03 Nos. (During Session July, 2017-July,2018)  
 (e) Master thesis completed: 26 Nos. (M.Tech in Thermal & CAD- CAM (Admitted in 2016 and Passed in 2018))

Sr. No.	Name of the Student	Name of Guide	Name of Co-Guide	Year of Regn.	Nature of Ph.D	Specialization/ Topic	Status
1.	Sh. Vikas Acharya	Dr. Somesh Sharma	Dr. Sunand Kumar	2010	Part-Time	Assessing the impact of automation on Indian Steal Industries	In-Progress
2.	Sh. Akant Kumar Singh	Dr. Siddhartha	-	2013	Full Time	Performance evaluation of fiber augmented polymer based gears	Thesis Submitted
3.	Sh. Vishal Jagota	Dr. Rajesh Sharma	-	2013	Full Time	Tribology	In-Progress
4.	Sh. Munish Gupta	Dr. P.K. Sood	-	2013	Full Time	Machining	Thesis Submitted
5.	Sh. Sahil Garg	Dr. Mohit Pant	-	2013	Full Time	Computational Fracture Mechanics	Thesis Submitted
6.	Sh. Jagroop Singh	Dr. Somesh Sharma	-	2013	Full Time	Industrial Engineering	In-Progress
7.	Sh. Rajneesh Sharma	Dr. Anoop Kumar	-	2013	Full Time	Heat Transfer	In-Progress

8.	Sh. Anant Krishan Pun	Dr. Siddhartha	-	2014	Part Time	Wear, Materials and Design	In-Progress
9.	Sh. Surender Kumar	Dr. P.K. Sood	-	2014	Full Time	Composite Materials	In-Progress
10.	Sh. Paramveer Singh	Dr. S.R. Chauhan	Dr. Varun	2014	Full Time	Tribological Characteristics of IC engines using unconventional fuels	Thesis Submitted
11	Sh. Sonu Sharma	Dr. Rajesh Sharma	-	2010	Full-Time/ Part-Time	Analysis, Optimization and Design of Modified Savonius Rotor	Thesis Submitted

iv) **PATENT:**

Sr. No.	Title of Patent (CBR No.)	Application Number	Application filing Agency/office	Application Filing date	Present Status
1.	THREE STAGE PARABOLIC DISH COLLECTOR CUM RECEIVER (CBR No. 2178)	201721036668	AT Intellectual property of INDIA, Mumbai <b>PATENT OFFICE</b>	16/10/17 (Provisional) 07/02/2018 (Complete Specification)	Published in Journal Issue no. 08/2018,  Published on date: 23/02/2018
2.	TWO STAGE SOLAR RECEIVER (CBR No. 2083)	201811002851	AT Intellectual property of INDIA, Delhi <b>PATENT OFFICE</b>	24/01/2018 (Complete Specification)	Published in Journal Issue no. 08/2018,  Published on date: 23/02/2018

**(f) DOCTORAL PROGRAMME:**

<b>S. No.</b>	<b>Title of Thesis</b>	<b>University / Institute &amp; Year of Ph. D. Award</b>	<b>Name of the Scholar</b>	<b>Name of the supervisors</b>
1.	The thermo economic performance analysis of recyclic type double pass packed bed solar air heater	NIT Hamirpur, 2017	Sh. Satyender Singh	Dr. Prashant Dhiman
2.	Investigation & Optimization of Process Parameter for the Powder Mixed EDM of Tungsten Carbide Alloy	NIT Hamirpur, 2017	Sh. Jagdeep Singh	Dr. Rajiv Kumar Sharma
3.	Investigating the role of quality management practice on competitive positioning of MSMEs	NIT Hamirpur, 2017	Sh. Manjeet Kharub	Dr. Rajiv Kumar Sharma

**5. DISTICTION ACHIEVED:**

- (a) By Student:
- (b) By Faculty Member:

**6. DETAILS OF LABORATORIES:**

Sl. No.	Type of Lab	Capacity	Year of Establishment
1	Theory of Machine/ Vibration	78 Sq.m	1996/1997
2	Ref. & Air Conditioning	78 Sq.m	1997
3	Production Section	313 Sq.m	1996
4	Dynamics of Machinery	78 Sq.m	2013
5	C.A.D	78 Sq.m	1992
6	CAM Lab.	78 Sq.m	2005
7	Metallurgy & Metallographic Lab.	78 Sq.m	1998
8	Tribology Lab.	78 Sq.m	1997
9	I.C.Engine	117 Sq.m	1995
10	Turbo Machine & Thermal	243 Sq.m	1996
11	Heat Transfer Lab.	78 Sq.m	1996
12	Mechanics of Solid	117 Sq.m	1986
13	Measurement & Control	78 Sq.m	1997
14	C.A.D (New)	313 Sq.m	2010
15	Advanced Heat Transfer	243 Sq.m	2006
16	Fluid Mechanics Lab.	120 Sq.m	2000
17	Heat Engine Lab.	117 Sq.m	1995
18	Project Lab	78 Sq.m	2013

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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**


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**1. ACADEMIC STAFF**

**HEAD:** Dr. Surender Kumar Soni  
Ph. D.

**FACULTIES :**

<b>Professor</b>	<b>Associate Professor</b>	<b>Assistant Professor</b>	<b>Lecturer(contract)</b>
Dr. Vinod Kapoor Ph. D	Er. K.S. Pandey	Dr. Krishan Kumar	Sh. Maneesh Kumar
Dr. (Mrs.) Rajeevan Chandel Ph. D	Dr. Surender Kumar Soni	Sh. Vinod Kumar	Sh. Akshay Mann
	Dr. Ashok Kumar	Dr. P. Daniel	Ms. Amandeep Kaur
	Dr. Gargi Khanna	Sh. Manoranjan Rai Bharti	Ms. Shweta Chauhan
	Dr. Ashwani Kumar Rana	Sh. Rakesh Kumar	Mrs. Himanshu Pundir
		Sh. Gagnesh Kumar	Ms. Tanuja Dogra
		Dr. Rohit Dhiman (Contract)	Ms. Mandeep Kaur
		Dr. Anuradha, (Contract)	Mr. Aman Kataria
Dr. Ajay Singh, (Contract)	Mr. Rahul Kumar		

			Ms. Priyanka
			Mr. Kuleen Kumar
			Ms. Nidhi Sharma
			Ms. Anjali Thakur
			Mr. Sundram
			Dr. Puneeta
			Mr. Manoj Singh Adhikari
			Mr. Lalit Kumar

## 2. DISTINCTION ACHIEVED

- (a) By student: -  
 (b) By faculty Member: -

## 3. SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSE

### a. Conducted in the department

Sponsoring agency	Name of the Coordinator	Title of the Seminar/symposia	Duration	Venue
-	-	-	-	-

### b. Participated by Faculty Members:

Name of the Staff	Course/Seminar	Organization	Duration	Venue
-	-	-	-	-

## 4. RESEARCH

### a. Research Scheme

Title of the Scheme	Sponsored by	Assistance Received (Rs) in lakh	Investigator	Brief Report
-	-	-	-	-

### b. Research Publication:-

#### PAPER PUBLISHED BY FACULTIES:

- [1] M.G. Kumar, Y. Agrawal and Rajeevan Chandel, "An efficient crosstalk model for coupled multi-walled carbon nanotube interconnects", IEEE Transactions on Electromagnetic Compatibility, vol. 60, no. 2, pp. 487-496, July 2017.
- [2] M.G. Kumar, Y. Agrawal and Rajeevan Chandel, "Modelling and Performance Analysis of Dielectric Inserted Side Contact Multilayer Graphene Nanoribbon Interconnects", IET Circuits, Devices and Systems, vol. 11, no. 3, pp. 232-240, June 2017.
- [3] Krishan Kumar, Arun Prakash and Rajeev Tripathi, "Spectrum handoff scheme with multiple attributes decision making for optimal network selection in cognitive radio networks", Digital Communications and Networks, Elsevier, vol. 3, no. 3, pp. 164-175, Aug. 2017.

- [4] Monish Bhatia and Krishan Kumar, "Network selection in cognitive radio enabled wireless body area networks", Digital Communications and Networks, Elsevier, Published online on 28<sup>th</sup> March, 2018.
- [5] M. Kodeeswari and Philemon Daniel, "Image processing-based framework for continuous lane recognition in mountainous roads for driver assistance system", *J. Electron. Imaging*, vol. 26, no. 6, Nov. 2017.
- [6] M. Kodeeswari and Philemon Daniel, "Lane line detection in real time based on morphological operations for driver assistance system", 4<sup>th</sup> IEEE International conference on Signal Processing, Computing and Control (*ISPC-2017*), Sep 21-23, 2017, Solan, pp. 316-320.
- [7] M. Joshi, K. Teja, A. Singh and Rohit Dhiman, "Delay and frequency Investigations in coupled MLG NR interconnects," in Proc. 21<sup>st</sup> International Symposium on VLSI Design and Test (*V DAT-17*), July 2017.

4. (c) **Doctoral Programme:** 20 ongoing

4. (d) **Ph.D Degree awarded:** 03

4. (e) **M.Tech. Thesis completed (Year 2016-18)**

**VLSI and Design Automation Technique:**

S.No.	Roll No.	Name of Students
1	16M401	Sakshi Goel
2	16M402	Hemanta Duwarah
3	16M403	Nithin Raphal
4	16M404	Anuja Singh
5	16M405	Dara Bhargav
6	16M406	Raman Deep Kaur
7	16M407	Dilip Singh
8	16M408	Trideep Deb
9	16M409	Jasvir Singh

**Communication System & Network:**

S.No.	Roll No.	Name of Students
1	16M421	Deepika Bilyan
2	16M422	Anurag Singh
3	16M423	Prashant Sharma
4	16M426	Soni Yadav
5	16M429	Ankush Thakur
6	16M430	Rahul Priyadarshi
7	16M431	Hitesh Tripathi
8	16M432	Abhyuday Bhardwaj
9	16M433	Gurinderjit Singh
10	16M434	Maharana Pratap Singh

**(f) DOCTORAL PROGRAMME:**

Sr. No.	Name of Guide	Name of Students
1.	Dr. Surender Soni	Mr. Manjeet Singh
2.	Dr. Surender Soni	Mr. Vinith Chauhan
3.	Dr. Ashok Kumar	Mr. Vicky Kumar
4.	Dr. Ashok Kumar	Mr. Gaurav
5.	Dr. Gargi Khanna	Mr. Apoorav Dwivedi
6.	Dr. Ashwani Rana	Mr. Vinod Kumar
7.	Dr. Surender Soni	Ms. Jyoti Bhola
8.	Dr. Philemon Danial	Ms. M. Kodeeswari
9.	Dr. Surender Soni	Mr. M. Nithin Varma
10.	Dr. Ashwani Rana	Ms. Shalu
11.	Dr. Ashok Kumar	Mr. Ashish Goswami
12.	Dr. Gargi Khanna	Mr. Prateek Asthana
13.	Dr. Krishan Kumar Asstt. Prof.	Mr. Mani Shekhar Gupta
14.	Dr. Rohit Dhiman, Asstt. Prof.	Ms. Anchal Thakur
15.	Dr. Ajay Singh, Asstt. Prof.	Ms. Anshu Thakur
16.	Dr. Rohit Dhiman, Asstt. Prof.	Mr. Ashish Singh
17.	Dr. Ajay Singh, Asstt. Prof.	Ms. Shilpa Thakur
18.	Dr. Krishan Kumar, Asstt. Prof.	Mr. Ashok Kumar
19.	Dr. Ashok Kumar, Assoc. Prof.	Vivek Kanwar
20.	Dr. Anuradha	Deepanshu Kaushal

**(g) POPULAR LECTURES BY OUTSIDE EXPERTS:**

Sr. No.	Date	Speaker	Topic
-	-	-	-

**(h) CONSULTANCY SERVICES:**

Sr. No	Name of the Scheme	Sponsored Agency	Amount Earned
-	-	-	-

**(i) EQUIPMENT ACQUIRED:**

Sr. No.	Name of equipment	Name of manufacturer	Cost (Rs. In lakh)
-	-	-	-

**7. TECHNICAL ASSOCIATION / SOCIETIES:**

-Nil-

**8. DETAIL OF THE LABORATORIES:**

Sr. No.	Name of the Laboratory
1	Basic Electronics Lab
2	Computer Lab
3	Electronics Workshop
4	Analog Electronics Lab
5	Digital Signal Processing Lab
6	VLSI Design Lab
7	Communication Lab
8	MEMS Design Lab
9	Embedded System Lab
10	Digital Electronics Lab
11	Industrial Electronics Lab
12	Microwave Lab
13	Fibre Optical Lab
14	Microprocessor Lab

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



### 1. ACADEMIC STAFF

**HEAD:** Dr. Kamlesh Dutta

**FACULTIES :**

Professor	Associate Professor	Assistant Professor	Lecturer (On Contract)			
Dr. Lalit Kumar Awasthi (On Lien)	Dr. Narottam Chand	Dr. Siddhartha Chauhan	Ms. Aastha Modgil			
	Dr. (Mrs.) Kamlesh Dutta	Dr. Naveen Chauhan	Ms. Priyanka Raichand			
	Dr. T.P. Sharma		Sh. Rajeev Kumar	Dr. Pushpender Kumar		
			Sh. Pardeep Kumar	Ms. Shilpi Sharma		
			Sh. Nitin Gupta	Ms. Aditi Zear		
			Dr. Madhu Kumari	Ms. Rati Bhan		
			Dr. Lokesh Chouhan (On Contract)			Ms. Menka Goswami
						Ms. Nisha Thakur
						Ms. Richa Thakur
						Ms. Himani Joshi
						Mr. Ritesh Sharma
						Ms. Roopali
			Mr. KeshavKaundal			
			Mr. Azad Singh			
			Mr. Prashant Kumar			

**2. DISTINCTION ACHIEVED:****(a) By students:****Paper presentations by students:**

1. Ashutosh Dadhich, Kamlesh Dutta, "Real-time Printed Text Reader for Visually Impaired", Towards Extensible and Adaptable Methods in Computing 2018, 26-28 March, 2018, Netaji Subhash Institute of Technology (NSIT), New Delhi
2. Lincoln A Ranee, Kamlesh Dutta, "Khasi Language and Natural Language Processing", International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC2018), 28-29 January, 2018, Vellore
3. Tanuj Wala, Narottam Chand, Ajay Sharma, "Identification of Disconnected Components in WSN for Secure Big Data Gathering," International Conference on Electronics, Communication and Aerospace Technology (ICECA), Coimbatore, March 29-31, 2018.
4. Priyanka Yadav, Madhu Kumari, "Object Recognition Using Deep Learning in IoT Applications," Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018 held at Malaviya National Institute of Technology, Jaipur (India) on March 26-27, 2018.
5. Y. Asrar Ahmed, Madhu Kumari, "Twitter Sentiment Visualization Using Deep Learning," Proceedings of 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018 held at Malaviya National Institute of Technology, Jaipur (India) on March 26-27, 2018.
6. Subeesh A, Prashant Kumar, Naveen Chauhan, "Flood Early Detection System using Internet of Things and artificial neural networks," International Conference on Innovative Computing and communications (ICICC), 2018.
7. Vinay Dubey, Prashant Kumar, Naveen Chauhan, "Forest Fire Detection using IoT," International Conference on Innovative Computing and communications (ICICC), 2018.
8. Aastha Maheshwari, Narottam Chand, "A survey on Wireless Sensor Networks coverage problem," 2nd International Conference on Communication, Computing and Networking (ICCCN), 2018.
9. Piyush Rawat, Siddharth Chauhan, "Energy Efficient Clustering in Heterogeneous Environment," 2nd International conference on Inventive Communication and Computational Technologies (ICICCT), 2018.
10. Om Prakash Singh, T.P.Sharma, "Survey: An efficient way Disseminating safety message in VANET," 3rd International Conference on Trends in Engineering and Technology, 2018.
11. Subeesh A, Vinay Dubey, Naveen Chauhan, "Internet of Things to combat natural disasters: Designing an Early Detection System," International Conference on Emerging Trends in Engineering Innovations and Technology Management (EITM-2017), National Institute of Technology (NIT), Hamirpur, 16-18 Dec, 2017.
12. Priyanka Gautam, Pradeep Singh, "Word Sense Disambiguation: A systematic review," International Conference on Emerging Trends in Engineering Innovations and Technology Management (EITM-2017), National Institute of Technology (NIT), Hamirpur, 16-18 Dec, 2017.
13. Ankit Songra, Lokesh Chouhan, "Blockchain: A Centralized Technique for Securing Internet of Things," International Conference on Emerging Trends in Engineering Innovations and Technology Management (EITM-2017), National Institute of Technology (NIT), Hamirpur, 16-18 Dec, 2017
14. Pankaj Kumar, Lokesh Chouhan, "A Survey on Internet of things (IoT) based Smart City and Roadside Smart System," International Conference on Emerging Trends in Engineering Innovations and Technology Management (EITM-2017), National Institute of Technology (NIT), Hamirpur, 16-18 Dec, 2017.

15. Anamika Sharma and Siddhartha Chauhan, “Deployment Quality Analysis for Intrusion Detection in Surveillance WSN”, International Conference on Information, Communication and Computing Technology, 13th May 2017.
16. Anamika Sharma and Siddhartha Chauhan, “Coverage problems in random deployment of sensor nodes: A Survey”, In Proceedings of Emerging Trends in Engineering Innovations and Technology Management (ICET: EITM), at NIT Hamirpur, 16th -18th December, 2017.
17. Nilanshi Chauhan and Siddhartha Chauhan, “Machine Learning in WSN”, In Proceedings of Emerging Trends in Engineering Innovations and Technology Management (ICET: EITM), at NIT Hamirpur, 16th -18th December, 2017
18. Shashi Gurung and Siddhartha Chauhan “A Review of Packet Dropping Attack Mitigation Techniques and its Drawbacks in Mobile Ad-hoc Network”. In IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET), Chennai, March 2017, pp. 2409–2415.
19. Deepshikha and Siddhartha Chauhan “Issues and Challenges Associated With WBAN Communication”. ISTE convention 2015, NIT Hamirpur.
20. Deepshikha and Siddhartha Chauhan “Context-Aware Data Pre-Filtering Technique for Body Sensor Networks,” International Conference on Emerging Trends in Engineering Innovations and Technology Management (EITM-2017), National Institute of Technology (NIT), Hamirpur, 16-18 Dec, 2017
21. Deepshikha and Siddhartha Chauhan “Load Adaptive and Priority based MAC Protocol for Body Sensors and Consumer Electronic (CE) Devices” ICACDS-2018, Dehradun.
22. Anamika Sharma and Siddhartha Chauhan, “Optimal Threshold Coverage Area (OTCA) Algorithm for Random Deployment of Sensor Nodes in large symmetrical Terrain”, Springer, Communications in Computer and Information Sciences, 2018 (SCOPUS).

#### **Other Achievements**

- Ten students selected to work on numerous open-source projects in Google Summer of Code.
- Three students selected to mentor other students working on open-source projects in Google Summer of Code.
- Two students (Suyash Garg, Param Singh) selected to mentor high school students and introduce them to open-source via Google Code-In.
- Suyash Garg placed in Zalando, Berlin with a package of €50,000.
- Shikhar Srivastava placed in Bloomberg, London with a package of £64,000.
- A team (Root Nodes) from second year ranked 25th in ACM-ICPC Kolkata Regionals 2017.
- Participated in the Texas Instruments Innovation Challenge India Design Contest 2017
- Anishka Gupta received an off-campus internship offer from Adobe.
- Two students (Suyash Garg, Param Singh) invited to attend the MetaBrainz Summit 2017 organized in Barcelona, Spain.
- Param Singh was invited to the NYU-AD Annual Hackathon for Social Good in the Arab World.

#### **By faculty Members:**

- Dr. Narottam Chand is reviewer to various journals viz. IEEE Transactions on Vehicular Technology, IEEE Communication Letters, International Journal of Wireless Networks (Springer), International Journal of Communication Networks and Distributed Systems (Inderscience), Computer Networks (Elsevier), International Journal of Ad Hoc & Ubiquitous Computing (Inderscience), etc.
- Dr. Lokesh Chouhan is Project Reviewer, Science and Engineering Research Board (SERB), Department of Science and Technology, Govt of INDIA; Co-coordinator: Chief Minister's Startup/ Innovation Projects/ New Industries Scheme, for Incubate and Mentoring, NIT

Hamirpur; Editor in Chief, Journal of Signal Processing and Wireless Technologies; Editorial Member, Big Data and Cloud Innovation (BDCI); Reviewer of IEEE transaction on Mobile Computing, IEEE transaction on System Journal, IEEE Access, Multimedia Tools and Applications Springer, Wireless Personal Communications Springer, Wireless Networks Springer, Elsevier Journals

Priyanka Raichand is Faculty advisor of codechef campus chapter.

### 3. SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHOR TERM COURSE

#### a) Conducted in the CSE Department:

Sponsoring Agency	Name of the Coordinator	Title of the Seminar/symposia	Duration	Venue
IIIT Una	Dr. Naveen Chauhan Er. Rajeev Kumar Dr. Narottam Chand Dr. TP Sharma Er. Anil Kumar	Training and Skill Development Programme on E-Governance for the Officials of Himachal Pradesh Power Corporation Limited	Jan 18-19, 2018	CSED, NIT Hamirpur
ISEA Project Phase-II	Dr. Narottam Chand Dr. Naveen Chauhan Er. Rajeev Kumar Dr. Ashwani Rana (ECE)	Security Trends in Mobile Ad hoc and Sensor Systems (STMAS)	March 15-20, 2018	CSED, NIT Hamirpur

#### b) Participated by Faculty Members:

Name of the Staff	Course/Seminar	Organization	Duration	Venue
Dr. Narottam Chand	Appraisal Workshop of Information Security Education and Awareness (ISEA) Project Phase-II	IIT Roorkee	Oct 23, 2017	IIT Roorkee
Dr. Lokesh Chouhan	Webinar on, "ACM: History of Software Engineering," Conducted By: ACM Learning Center, Speakers: Grady Booch, Chief Scientist for Software Engineering, IBM Research; ACM Fellow,	ACM Learning Center	02:00 PM EDT, April 25, 2018.	Webinar

**4. RESEARCH:****a. Research Scheme:****b. RESEARCH PUBLICATION FOR THE YEAR 2017-18:****i) PAPER PUBLISHED BY FACULTIES:**

1. Sunil Kumar, Kamlesh Dutta, Anjani Garg, "FJADA: Friendship Based Jelly Fish Attack Detection Algorithm for Mobile Ad Hoc Networks", Wireless Personal Communications, Springer (SCI-0.951/Scopus) accepted
2. Sunil Kumar, Kamlesh Dutta, "Trust Based Intrusion Detection Technique to Detect Selfish Nodes in Mobile Ad Hoc Networks", Wireless Personal Communications, Springer (SCI-0.951/Scopus) accepted
3. Poonam Tanwar, T.V. Prasad, Kamlesh Dutta, "Natural Language Processing for Hybrid Knowledge Representation", International Journal of Advanced Intelligence Paradigms, 10(3):pp.223-235, January 2018 Inderscience (Scopus)
4. Varun Gupta, Durg Singh Chauhan, Kamlesh Dutta, "Requirement Prioritization of Complex Web 2.0 Application based on Effects on Regression Testing: A Hybrid Approach", Application Development and Design: Concepts, Methodologies, Tools, and Applications, 3(4), pp-1204-1224, 2018, IGI Global
5. Sunil Kumar, Kamlesh Dutta, "Direct trust-based security scheme for RREQ flooding attack in mobile ad hoc networks, International Journal of Electronics, Vol. 104, Issue 6, Pages 1034-1049, 2017, Taylor & Francis, (SCI(0.729)/Scopus)
6. Mukesh Kumar, Kamlesh Dutta, "Detecting wormhole attack on data aggregation in hierarchical WSN," International Journal of Information Security and Privacy (IJISP), vol 11, Issue 1, pp. 35-51, 2017, IGI Global, (ESCI/Scopus)
7. Rajeev Kumar, Naveen Chauhan and Narottam Chand, "Energy Efficient Entropy Based Clustering in Wireless Sensor Networks," International Journal of Grid and Distributed Computing Vol. 10, No. 7, pp. 41-52, 2017, SERSC.
8. Rajeev Kumar, Deeksha Chaurasia, Naveen Chauhan, Narottam Chand, "Predicting Missing Values in Wireless Sensor Network using Spatial-Temporal Correlation," International Journal of Computer Networks and Wireless Communications, Vol. 7, No. 3, May-June 2017, IRACST.
9. Rajeev Kumar, Naveen Chauhan and Narottam Chand, "Adaptive Clustering in Wireless Sensor Networks," International Journal of Multimedia and Ubiquitous Engineering (IJMUE) Vol. 12, No. 9, pp 15-26, 2017, SERSC.
10. Shashi Gurung, Siddhartha Chauhan, "A novel approach for mitigating gray hole attack in MANET," Wireless Networks, Volume 24, Issue 2, pp 565-579, 2018, Springer
11. Arvind Dhaka, Siddhartha Chauhan, Vidhyacharan Bhaskar, Amita Nandal, "Statistical Approach for Performance Analysis of Multipath Scattering Environment," 98(1), pp-743-757, Wireless Personal Communications, 2018, Springer
12. Arvind Dhaka, Siddhartha Chauhan, Vidhyacharan Bhaskar, "Effect of Matrix Partitioning on second order statistics of fading channels" Wireless Personal Communication-Springer, January 2018
13. Arvind Dhaka, Siddhartha Chauhan, Vidhyacharan Bhaskar, "Analysis and simulation of second order statistics with modified characteristics function parameters in multipath fading environment" Wireless Personal Communication-Springer January 2018
14. Shashi Gurung and Siddhartha Chauhan, "Performance analysis of black-hole attack mitigation protocols under gray-hole attacks in MANET," Wireless Networks (Springer), doi.org/10.1007/s11276-017-1639-2, December 2017, (Impact Factor 1.584).

15. Shashi Gurung, Siddhartha Chauhan, "A dynamic threshold based approach for mitigating black-hole attack in MANET," *Wireless Networks*, pp1-15, 2017, Springer
16. Shashi Gurung, Siddhartha Chauhan, "A novel approach for mitigating route request flooding attack in MANET," pages 1-16, 2017, Springer
17. Shashi Gurung, Siddhartha Chauhan, "A dynamic threshold based algorithm for improving security and performance of AODV under black-hole attack in MANET," pages 1-11, 2017, Springer
18. Anamika Sharma, Siddhartha Chauhan, "Optimization of Deployment Quality for Intrusion Detection in Surveillance Wireless Sensor Network," *International Journal of Information Communication and Computing Technology*, 5(1), 2017
19. Gopal Chand Gautam, Narottam Chand Kaushal, "Security in Time Synchronization for Wireless Sensor Networks", *International Journal of Sensors Wireless Communications and Control*, Volume 7, Number 1, 44-52(9), Bentham Science Publishers
20. Nilanshi Chauhan, Pardeep Singh, "Identifying the Opinion Orientation of Online Product Reviews at Feature Level: A Pruning Approach", *International Journal of Information System Modeling and Design (IJISMD)* 8(2), 2017 IGI Global
21. Prashant Kumar, Naveen Chauhan, Narottam Chand, Lalit Awasthi, "SF-APP: A Secure Framework for Authentication and Privacy Preservation in Opportunistic Networks", *International Journal of Web Services Research (IJWSR)* 15(2), 2018, IGI Global
22. Utkarsh Rajput, Madhu Kumari, "Mobile robot path planning with modified ant colony optimization," *International Journal of Bio-Inspired Computation*, 9(2), pp. 106–113, Inderscience
23. Mohammad Ahsan, Madhu Kumari, Tajinder Singh, Triveni Lal Pal, "Sentiment Based Information Diffusion in Online Social Networks," *International Journal of Knowledge Discovery in Bioinformatics (IJKDB)* 8(1), 2018, IGI Global
24. Tajinder Singh, Madhu Kumari, Shweta Mahajan, "Feature oriented fuzzy logic based web spam detection," Pages 999-1015, *Journal of Information and Optimization Sciences*, olume 38, 2017 - Issue 6: Smart Computing and Optimization, Pages 999-1015, Taylor & Francis
25. Kulwardhan Singh, T. P. Sharma, "FDR: fault detection and recovery scheme for wireless sensor networks using virtual grid," *International Journal of Parallel, Emergent and Distributed Systems*, Volume 32, Issue 6, Pages 617-631
26. H.S. Lalventhangi and Lokesh Chouhan, "Adaptive Energy Detection Based Solution for Fronthaul Problem in C-RAN," *Wireless Personal Communications (WPC)*, Springer Publication. [Accepted]
27. Vivek Sethi and Narottam Chand, "A Destination Based Routing Protocol for Context Based Clusters in VANET," *Journal of Communications and Network*, Vol. 9, No. 3, pp. 179-191, 2017.
28. Rajeev Kumar, Naveen Chauhan and Narottam Chand, "Adaptive Clustering in Wireless Sensor Networks," *International Journal of Multimedia and Ubiquitous Engineering*. Vol. 12, No. 9, pp. 15-26, 2017.
29. Prashant Kumar, Naveen Chauhan, Narottam Chand and Lalit Awasthi, "SF-APP: A Secure Framework for Authentication and Privacy Preservation in Opportunistic Networks," *International Journal of Web Services Research*, Vol. 15, No. 1, pp. 47-66, 2018.
30. Prashant Kumar, Naveen Chauhan and Narottam Chand, "Security Framework for Opportunistic Networks," *Book on Progress in Intelligent Computing Techniques: Theory, Practice, and Applications*, pp. 465-471, Springer, 2018.
31. B.B. Dubey, Rajeev Kumar, Naveen Chauhan and Narottam Chand, "Replica-Based Efficient Data Accessibility Technique for Vehicular Ad Hoc Networks," *Book on Progress in Intelligent Computing Techniques: Theory, Practice, and Applications*, pp. 473-479, Springer, 2018.

32. Ankit Songra and Lokesh Chouhan, "Blockchain Security for Wireless Multimedia Networks," accepted in Cryptographic and Information Security Approaches for Images and Video, CRC Press.
33. Deepshikha and Siddhartha Chauhan "Succinct Review on MAC protocols for Wireless Body Area Networks", Published in International Journal of grid and Distributed Computing. JAN 2018 (ISSN: 2207-6379)
34. Pankaj Kumar and Lokesh Chouhan, "IoT concepts in 21st Century: Overview, Survey, Issues, Research Challenges, Application and Cloud Integration," accepted in Digital Business Algorithm, Cloud Computing and Data Engineering, IGI Global Press
35. S.K. Gupta, Kamlesh Dutta, Prince Rana "Issues and Challenges of Reduplication in Hindi" International Conference on Recent Innovations in Computing (ICRIC-2018), 5-6 March, 2018, Jammu

i) **PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIUM: NIL**

ii) **PAPER ACCEPTED FOR PUBLICATION: Two**

iii) **Patents**

1. Rahul Bhatia and Lokesh Chouhan, "System and Method for Addressing and Identification of Objects in A Network", Indian Patent (Published), Patent Application No. 201711026861, Filing Date 28 July, 2017, Publication Date 18 August, 2017.
2. Rahul Bhatia and Lokesh Chouhan, "System and Method for Filtering of Packet based on the Identity of Device", Indian Patent (Published), Application No. 201711034847, Filing Date 02 October, 2017, Publication Date 20 October, 2017.

(b) **Research Publication:**

i) **PAPER PUBLISHED BY FACULTIES : (22 +35 = 57)**

ii) **PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIUM : 22**

iii) **PAPER ACCEPTED FOR PUBLICATION: 2**

iv) **PATENT: filed 2**

(c) **Doctoral Programme: 03Nos Submitted & 14 Nos in progress**

(d) **Ph.D Degree awarded: 4Nos**

(e) **Master thesis completed: 19Nos**

S.No.	Roll No.	Student Name	Guide Name	Thesis Title	Brief Report
1.	15M501	Shuchi Agarwal	Dr. Madhu Kumari	Training of Restricted Boltzmann Machine for efficient Information Retrieval	Completed
2.	15M503	Avani Vyas	Dr. Narottam Chand Kaushal	Data Aggregation Using Data Mining in Wireless Sensor Network	Completed
3.	15M504	Pallavi Kaushik	Dr. Kamlesh Dutta	A Neutral Network Model for Intrusion Detection using Game Theory	Completed

4.	15M505	Vivek Sethi	Dr. Narottam Chand	Reducing Irrelevant Data Traffic Using Context Based Clustering In VANET	Completed
5.	15M506	Surabhi Sharma	Dr. T.P. Sharma	Global Snapshot of a Large Wireless Sensor Network	Completed
6.	15M507	Nilanshi Chauhan	Dr. Pardeep Singh	Feature Extraction and Opinion Summarization of Online Product Reviews	Completed
7.	15M508	Dhriti Bharti	Dr. Madhu Kumari	Training of Restricted Boltzmann Machine for efficient Clustering of Documents	Completed
8.	15M510	Arun Kumar	Dr. Kamlesh Dutta	Alternative automated layout designs using Multi-Population Genetic Algorithm	Completed
9.	15M511	H.S. Lalventhangi	Dr. Lokesh Chouhan	Adaptive Energy Detection Based Solution for Fronthaul Problem in C-RAN	Completed
10.	15M512	Rajesh Kumar	Dr. Pardeep Singh	Bilingual Code-Mixing in Indian Social Media Texts for Hindi and English	Completed
11.	15M526	Supriya Shakya	Dr. Siddhartha Chauhan	Utility Based Cluster Head Selection Protocol for Wireless Sensor Networks	Completed
12.	15M527	Shivangi Gupta	Dr.T.P. Sharma	Parameter Based Cooperative Caching for Wireless Sensor Network	Completed
13.	15M528	Shashi Kumar	Er. Rajeev Kumar	Emap: Predictive Energy map in Wireless Sensor Network	Completed
14.	15M529	Umesh Pal Singh	Dr. Naveen Chauhan	Authentication Using Trust Framework In Opportunistic Networks	Completed
15.	15M530	Rahul Bhatia	Dr. Lokesh Chouhan	Addressing and Identification Scheme for the Objects in IoT	Completed
16.	15M531	Himani Sikarwar	Dr. Siddhartha Chauhan	Decision Algorithm for Faulty Node Identification	Completed

17.	15M532	Parul Chauhan	Dr. Narottam Chand Kaushal	Data Correlation Based Efficient Clustering in Wireless Sensor Network	Completed
18.	15M534	Deeksha Chaurasia	Er. Rajeev Kumar	Predicting Missing values using Spatial-Temporal Correlation (PMSTC) Algorithm in Wireless Sensor Network	Completed
19.	15M535	Kamal Singh	Dr. T.P. Sharma	Finding Location of Wireless Sensor Nodes without using GPS	Completed

**(f) DOCTORAL PROGRAMME:**

Sr. No	Title/Area	Guide	Name of the student	Brief Report
1	Efficient Resource Allocation in Cloud Computing	Dr. Kamlesh Dutta	Sh. Avtar Singh	Awarded
2	Intrusion Detection System for Mobile Adhoc Networks	Dr. Kamlesh Dutta	Sh. Sunil Kumar	Awarded
3	Wireless Sensor Networks	Dr. T.P. Sharma	Sh. Vipin Arora	Awarded
4	Improving Data availability in vehicular Adhoc Networks	Dr. Naveen Chauhan	Sh. Brij Bihari Dubey	Awarded
5	Wireless Sensor Networks	Dr. Narottam Chand	Sh. Gopal Chand Gautam	Submitted
6	Social Media Text Analytics	Dr. Madhu Kumari	Sh. Tajinder Singh	Submitted
7	Characterization and statistical optimization of fading channel impairments in MIMO channel	Dr. Siddhartha Chauhan	Mr. Arvind Dhaka	Submitted
8	Wireless Sensor Network	Dr. Narottam Chand Dr. Naveen Chauhan	Sh. Rajeev Kumar	In Progress
9	Collaboration in opportunistic Network	Dr. Naveen Chauhan	Sh. Prashant Kumar	In Progress
10	Semantic Interplay in Text Document	Dr. Madhu Kumari	Sh. Triveni Lal Pal	In Progress
11	Wireless Body Area Network	Dr. Siddhartha Chauhan	Mrs. Deep Shikha	In Progress
12	QOS in Surveillance Wireless Sensor Network	Dr. Siddhartha Chauhan	Ms. Anamika Sharma	In Progress
13	Mobile Ad hoc Networks	Dr. Siddhartha Chauhan	Mr. Shashi Gurung	In Progress

14	Data Mining	Dr. Madhu Kumari	Mr. Mohammad Ahsan	In Progress
15	Internet of Things (IOT)	Dr. Naveen Chauhan	Mr. Nishant Kumar	In Progress
16	Wireless Sensor Networks	Dr. T. P. Sharma Dr. Ajay K. Sharma	Ms. Richa	In Progress
17	Wireless Sensor Networks	Dr. Narottam Chand Dr. Ajay K. Sharma	Ms. TanujWala	In Progress
18	Discourse and Anaphora	Dr. Pardeep Singh Dr. Kamlesh Dutta	Ms. Kusum Lata	In Progress
19	Information Security	Dr. Kamlesh Dutta	Ms. Parnika Bhat	In Progress
20	Secure Addressing and Identification scheme for IoT network	Dr. Lokesh Chouhan	Mr. Pankaj Kumar	In Progress
21	Wireless Sensor Networks	Dr. Siddhartha Chauhan	Ms. Nilanshi Chauhan	In Progress

**(c) PhD admissions (2017-2018):**

Sr. No	Title	Guide	Name of the student	Brief Report
1	Wireless Sensor Networks	Dr. Siddhartha Chauhan	Ms. Nilanshi Chauhan	In Progress

**(d) PhD degree awarded (2017-2018):**

Sr. No	Title/Area	Guide	Name of the student	Brief Report
1	Efficient Resource Allocation in Cloud Computing	Dr. Kamlesh Dutta	Sh. Avtar Singh	Awarded
2	Intrusion Detection System for Mobile Adhoc Networks	Dr. Kamlesh Dutta	Sh. Sunil Kumar	Awarded
3	Wireless Sensor Networks	Dr. T. P. Sharma	Sh. Vipin Arora	Awarded
4	Improving Data availability in vehicular Adhoc Networks	Dr. Naveen Chauhan	Sh. Brij Bihari Dubey	Awarded

**(e) Expert Lectures Delivered by Faculty:****Dr. Narottam Chand**

- ? “Efficient Use of E -Resources” in Training Programme for Skill Upgradation of Non - Teaching Staff, NIT Hamirpur, June 05 -06, 2017.
- ? “Evolution of Mobile Networks” in Faculty Development Programme on Mobile Computing and Communication, NIT Delhi, July 03, 2017.
- ? “Evolution of Mobile Computing and Communication” in Short Term Course on Communication Networks and Signal Processing (CNSP), E&CED, NIT Hamirpur, Dec 11-16, 2017.
- ? “Efficient Use of E -Resources” in Training and Skill Development Programme on E-Governance for the Officials of Himachal Pradesh Power Corporation Limited, IIIT Una, Jan 18-19, 2018.

- ? “Digital Transformation and Information Security” and “System Failures Due to Computation” in Short Term Course on Security Trends in Mobile Ad hoc and Sensor Systems (STMAS), NIT Hamirpur, March 15-20, 2018.

**(f) POPULAR LECTURES BY OUTSIDE EXPERTS:**

**(g) CONSULTANCY SERVICES:**

S.No.	Title of Consultancy	Sponsoring Agency	Amount earned
1.	Establishment of ATMs, EFT switching and Allied Services to Punjab State Cooperative Bank and DCCBs, PSCB Chandigarh	Punjab State Cooperative Bank, Chandigarh	60.25 Lacs
2.	Automation of Dr. Rajendra Prasad Govt. Medical College, Kangra	Dr. Rajendra Prasad Govt. Medical College, Kangra	50.00 Lacs

**(i) EQUIPMENT ACQUIRED:**

Sr. No	Name of equipment	Name of manufacturer	Cost (Rs. In lakh)
NIL			

**5. TECHNICAL ASSOCIATION / SOCIETIES:**

**6. DETAIL OF THE LABORATORIES:**

Sr. No.	Name of the Laboratory
1.	COMPUTER NETWORK LAB
2.	PARALLEL PROCESSING LAB
3.	COMPUTER GRAPHICS LAB
4.	IMAGE PROCESSING LAB
5.	DBMS LAB
6.	MICROPROCESSOR LAB
7.	NETWORK SECURITY LAB
8.	COMPUTATIONAL LAB
9.	COMPUTER LAB I
10.	COMPUTER LAB II
11.	RESEARCH LAB

## DEPARTMENT OF ARCHITECTURE



### 1. ACADEMIC STAFF

**HEAD**            Dr. Bhanu M. Marwaha  
                        Ph.D

**FACULTIES :**

Professor	Associate Professor	Assistant Professor
Dr. Minakshi Jain, Ph.D	Dr. I.P. Singh, Ph.D	Ar. Amanjeet Kaur, M.Arch.
Dr. Bhanu Marwaha, Ph.D		Dr. Amitava Sarkar, Ph.D
		Dr. Vandna Sharma, Ph.D.
		Ar. Venu Shree, M.Arch.
		Ar. Sandeep Sharma, M.Arch.
		Dr. Puneet Sharma, Ph.D.
		Dr. Aniket Sharma, Ph.D
		Ar. Neetu Kapoor, M.Arch.

### 2. Distinction Achieved:

- |                              |           |
|------------------------------|-----------|
| a) <b>By Student:</b>        | : 03 Nos. |
| b) <b>By Faculty Member:</b> | : 02 Nos. |

**3. Research:****a) Research Publication****i) Paper Published by faculties:****International journal****International Conferences**

1. B. M. Marwaha, "Sustainable strategies for redevelopment of Tridev Nagar Slon, Puri ,Odisha, India," Feb 2018.

**National Seminar PACE18 Indore, Feb 2018**

Bhanu M Marwaha, Puneet Sharma;

Regarding Architecture of Historic core of Shimla City,

**Workshop/ Training****STC****Organized:**

- STC under "Skill India from 11<sup>th</sup> -16<sup>th</sup> September, 2017" on - 2D Drafting.  
B. M. Marwaha, Venu Shree

**Research project****1. EXTERNAL SPONSORED R&D PROJECTS (refer Annexure 2- page 12)**

Dr. Aniket Sharma

<b>Sr. No.</b>	<b>Title of R&amp;D Project/Patent</b>	<b>Heading Status [PI / Co-PI(.)]</b>	<b>Present Status of Project [Completed / Ongoing]</b>	<b>Patent Granted [Yes / No]</b>	<b>Rs.</b>
1	Improving compressive strength, durability properties of adobe for propagating sustainable and cost-effective mass housing especially in rural areas of different districts of Himachal Pradesh	PI	<b>Ongoing</b>	No	6,37,800/-

**Book published****Text / Reference Books published on relevant subjects from reputed International Publishers :**

Dr. Aniket Sharma

Sr. No.	Title of the Book	Year of Publication	International Publisher
1	City, Neighborhood & Household Level Factors in Residential Energy Use (ISBN - 13: 978-3659-880339) Aniket Sharma, Vandna Sharma	2017	LAP LAMBERT Academic Publishing, AV Akademikerverlag GmbH & Co. KG, Germany

**b) Doctoral Programme: 11 nos. ongoing**

Sr. No.	Title	Guide	Name of the Student	Brief report
1.	Impact of Land Acquisition on affected families	Dr. Minakshi Jain	Mr. Sachin Yadav	Open Seminar
2.	Adaptive Use of vernacular Construction in Present Day Context	Dr. Bhanu Marwaha	Dr. Vandna Sharma	Awarded
3.	Redefining the urban form of Hill town for sustainable development	Dr. Bhanu Marwaha	Dr. Puneet Sharma	Awarded
4.	Impact of Development control regulations on energy efficiency in residential buildings	Dr. Bhanu Marwaha	Dr. Aniket Sharma	Awarded
5.	The Impact of Urban land use Pattern on Environment: A case of Yamuna Express way	Dr. I P Singh	Ar. Kaushlendra Singh	Course work completed
6.	Assessment of spatial and non- spatial aspects of a built enclose space influencing its indoor air quality	Dr. Bhanu Marwaha	Ar. Venu Shree	Course work completed
7.	A Geo design approach for spatial planning in hill areas.	Dr. Minakshi Jain	Ar. Neetu Kapoor	Course work completed
8	Sustainable development of trikuta hills katra Jamu.	Dr. Minakshi Jain	Ar. Vikas Bhola	Course work completed
9.	Sustainable development model by integrating landscape with built form.	Dr. Minakshi Jain	Ar. Priyank Jain	Course work completed
10.	Impact of Landscape on water	Dr. Amitava Sarkar	Ms. Akansha Soni	
11	Role of fenestrations for daylight availability in offices	Dr. Aniket Sharma	Mr. Rohit	Course work completed

## c) Popular Lectures delivered Outside:

Sr. No.	Date	Speaker	Topic
1	28 December 2017 at H.P. Institute of Public Administration, Fairlawns, Shimla	Dr. Aniket Sharma	Planning and Designing of Buildings in Hill Areas during Training Programme on “Seismic Safety of Buildings/Infrastructures” for Engineers & Architect of Line Departments on

## 4. Technical Associations/Societies:

Sr. No.	Name of Professional Societies/ Institutions	Name of the Faculty	Status	National/ International
1.	Council of Architecture	Dr. Minakshi Jain	CA/90/13558	National
2.	Indian Society of Landscape Architects	Dr. Minakshi Jain	J-10/A2007	National
3.	Council of Architecture	Dr. Bhanu Marwaha	CA/92/15454	National
4.	Associate Member of The Indian Institute of Architects Mumbai	Dr. Bhanu Marwaha	A-14291	National
5.	Associate Member of The Indian Institute of Architects Mumbai	Dr. I.P. Singh	A-16465	National
6.	Council of Architecture	Dr. I.P. Singh	CA/89/12443	National
7.	Council of Architecture	Ar. Amanjeet Kaur	CA/2001/28647	National
8.	Member of The Indian Institute of Architects Mumbai	Ar. Amanjeet Kaur	Lifetime	National
9.	Council of Architecture	Ar. Amitava Sarkar	CA/2003/31657	National
10.	Council of Architecture	Dr. Vandna Sharma	CA/2005/36353	National
11.	Council of Architecture	Ar. Venu Shree	CA/2006/38789	National
12.	Member of The Indian Institute of Architects Mumbai	Ar. Sandeep Sharma	Lifetime	National
13.	Council of Architecture	Ar. Sandeep Sharma	CA/2006/37836	National
14.	Member of The Indian Institute of Architects Mumbai	Dr. Puneet Sharma	Lifetime	National
15.	Council of Architecture	Dr. Puneet Sharma	CA/2004/33626	National
16.	Institute of Urban Design India	Dr. Puneet Sharma	Lifetime	National

17.	Member of The Indian Institute of Architects Mumbai	Dr. Aniket Sharma	Lifetime	National
18.	Council of Architecture	Dr. Aniket Sharma	CA/2006/38390	National
19.	Associate Member of Institute of Town Planners, India	Dr. Aniket Sharma	Lifetime (2011-119)	National
20.	Member, Indian Society of Heating, Refrigeration & Air Conditioning Engineers (ISHRAE)	Dr. Aniket Sharma	2017-2020	National
21.	Life Member, Indian Building Congress (IBC)	Dr. Aniket Sharma	Lifetime (ML6231)	National
22.	Life Member, Indian Concrete Institute	Dr. Aniket Sharma	Lifetime (10542)	National
23.	Member, Autodesk User Group International Organization (AUGI)	Dr. Aniket Sharma	Lifetime	International
24.	General Member, International Network for Traditional Building, Architecture and Urbanism (INTBAU)	Dr. Aniket Sharma	Lifetime	International
25.	Member of The Indian Institute of Architects Mumbai	Ar. Neetu Kapoor	Lifetime	National
26.	Council of Architecture	Ar. Neetu Kapoor	CA/2006/37880	National

#### 7. Details of Laboratories:

1. Audio Visual Lab
2. Research & Documentation Lab
3. Surveying Lab
4. Climatology Lab
5. Reprographic Lab
6. Workshop
7. Model Making Lab
8. Computer Lab

#### 8. Student Activities:

- Society Interiors design Competition 2017
- Nimbus 2017

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**DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES**

**1. ACADEMIC STAFF**

**HEAD**        Dr. Yogesh Gupta  
                    Ph.D

**FACULTIES :**

<b>Professor</b>	<b>Associate Professor</b>	<b>Assistant Professor</b>
Dr. Piar Chand Ph. D.	Dr. Yogesh Gupta Ph. D.	Dr. Saroj Thakur, Ph. D.
		Dr. Manoj Sharma, Ph. D.
		Dr. Mhod Adil, Ph.D
		Dr. Vivek Tiwari, Ph.D

**1. RESEARCH:-**
**(a) Research Publication:**
**i) Paper Published in National and International Conferences/Seminars:**

- (1) “Volatility in Hilly Agriculture: A study of Himachal Pradesh” in National Conference on *Management, Economics & Social Sciences* (NCMESS 2017) organised by National Institute of Technology Hamirpur (HP) held on 14-15 July 2017 - by Dr. Manoj Sharma.
- (2) “Textile Export Performance in Post Reforms Regime: A Study at Disaggregate Level” in National Conference on *Management, Economics & Social Sciences*(NCMESS 2017) organised by National Institute of Technology Hamirpur (HP) held on 14-15 July 2017- by Dr. Manoj Sharma.

- (3) “Foreign Direct Investment in India: A Study of Growth and Instability in Telecommunication Sector” in National Conference on Management, Economics & Social Sciences(NCMESS 2017) organised by National Institute of Technology Hamirpur (HP) held on 14-15 July 2017 - by Dr. Manoj Sharma .
- (4) “Farm Income and Price Volatility in Himachal Pradesh” presented in National Conference on Roadmap for Inclusive & Sustainable Economy (RISE 2018) organised by National Institute of Technology, Hamirpur, Himachal Pradesh (India) held on February 3-4, 2018- by Dr. Manoj Sharma.
- (5) “After –sale Service Quality in India: A case from Telecom and Automotive Industry” in International Conferences on Emerging Trends in Engineering Innovations & Technology Management [ICET-EITM 2017] – by Dr. MohdAdil.
- (6) “TISM of Customer Acceptance Model for Indian telecom industry” in International Conferences on Emerging Trends in Engineering Innovations & Technology Management [ICET-EITM 2017]- by Dr. Mohd. Adil.
- (7) “Service Quality Measurement in Indian Hostels: Factor Structure & Scale Validation” in 2<sup>nd</sup> Asia-Pacific Conference Managing Business Sustainability - by Dr. MohdAdil.
- (8) “Integrated Marketing Communication: How Can It Influence Consumer Buying Behavior?” in International Marketing Conferences on (MARCON 2017): Paper under review for possible consideration in a Scopus journal - by Dr. Mohd. Adil.

**ii) National and International Conferences/Seminars/workshop organized:**

- (1) National Conference on Management, Economics & Social Sciences (NCMESS 2017) held on July 14-15, 2017 at National Institute of Technology, Hamirpur, Himachal Pradesh (India). (Dr Manoj Sharma Organising Secretary).
- (2) Workshop on Research Methodology & Data Analysis (RMDA2018) held on January 1-7, 2018 at National Institute of Technology, Hamirpur, Himachal Pradesh (India). . (Dr Manoj Sharma Coordinator).
- (3) National Conference on Roadmap for Inclusive & Sustainable Economy (RISE 2018) held on February 3-4, 2018 at National Institute of Technology, Hamirpur, Himachal Pradesh (India). (Dr Manoj Sharma Organising Secretary).
- (4) Organised International Conferences on Emerging Trends in Engineering Innovations & Technology Management [ICET-EITM 2017] DURING 16-18 Dec., 2017- by Dr. MohdAdil.
- (5) Organised One day workshop on “Fundamentals of Stress Management: Developing Coping Skills for Students” during Oct. 14, 2017- by Dr. Mohd. Adil.

**b) Ph.D. Degree Awarded:**

Sr. No.	Title	Guide's	Name of Student	Brief Report
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c) Paper Reviewer – International journal of organization analysis- by Dr. Vivek Tiwari.

d) DOCTORAL PROGRAMME : 05 Nos. on going

Sr. No.	Title	Guide's	Name of Student	Brief Report
1.	Workplace spirituality, Emotional ownership, job satisfaction: a Paradigm for managing job stress.	Prof. Piar Chand	Mr. Vikrant Jaswal	In progress
2	Performance An analysis of Indian Textile Exports: A study of post Reform Period.	Dr. Manoj Sharma	Mr. Rahul Dhiman	Thesis Submitted
3	Organizational Behaviour (O.B)/HRM	Prof. Piar Chand	Ms. Sonika	In progress
4	FDI/Environmental Economics	Dr. Manoj Sharma	Ms. Ritu Rana	In progress
5	Transport Management/Economics	Dr. Manoj Sharma Prof. Piar Chand	Mr. Daljit Singh	In progress

## 2. DETAIL OF THE LABORATORIES :

Sr. No.	Name of the Laboratory
1.	Language Lab

## DEPARTMENT OF PHYSICS



### 1. ACADEMIC STAFF

**HEAD**        Dr. Subhash Chand  
                  Ph.D

#### FACULTIES :

Professor	Associate Professor	Assistant Professor
--	Dr. Subhash Chand, Ph. D	Dr. Rajesh Kumar, Ph. D
	Dr. Arvind Kumar, Ph. D	Dr. Vimal Sharma, Ph. D
	Dr. Kuldeep Kumar Sharma, Ph. D	

### 1. RESEARCH:

- (a) **Research scheme: Nil**
- (b) **Research Publication**
  - i) **PAPER PUBLISHED BY FACULTIES:**

#### LIST OF PUBLICATIONS

1. Effect of carbon nanotube addition on the thermite reaction in the Al/CuO energetic nanocomposite, Manjula Sharma, Vimal Sharma, 04 May 2017, 1921-1938, 2017, Philosophical Magazine
2. EFFECT OF PHOTONIC STRUCTURE ON THE OPTICAL PROPERTIES OF THE YVO<sub>4</sub>-Eu<sup>3+</sup> PHOSPHOR, Shashi Thakur, Naresh Dhiman, Amit Sharma and Arvind K. Gathania, J. of Electronic Materials, 46 (4), 2085-2089, 2017.

3. INFILTRATED SILICA PHOTONIC CRYSTAL WITH LIQUID CRYSTAL AND VARIOUS ORGANIC LIQUIDS, Naresh Dhiman, Dinesh Pathak, BP Singh, Arvind K. Gathania, Surface Review and Letters, 24 (4), 1750054 (1-4), 2017.
4. "Effect of carbon nanotube addition on the thermite reaction in the Al/CuO energetic Nanocomposite", Journal Philosophical Magazine Vol. 97, (22) 2017, Manjula Sharma & Vimal Sharma.
5. "Structural and Electrical Properties of Ag/n-TiO<sub>2</sub>/p-Si/Al Heterostructure Fabricated by Pulsed Laser Deposition Technique", ARVIND KUMAR, K.K. SHARMA, RAJENDER KUMAR, SUBHASH CHAND and ASHWANI KUMAR.
6. "Effect of Photonic Structure on Optical Properties of YVO<sub>4</sub>:Eu<sup>3+</sup> Phosphor", Journal of Electronic Materials, April 2017, Volume 46, PP 2085-2089, Shashi Kumar, Naresh Kumar Dhiman, Amit Sharma, Arvind Kumar Gathania.
7. "Investigation of ZnO nanoparticles for their applications in wastewater treatment and antimicrobial activity", Rana Neha, Ghosh Kalyan, SUBHASH CHAND, Arvind Kumar Gathania, 2017

**PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIUM :- NIL**

3. PAER ACCEPTED FOR PUBLICATION: -nil-

4. PATENT: -nil-

(c) Doctoral Programme: - 06 Nos. ongoing

Sr. No	Title	Guide	Name of the student	Brief Report
1..	Effect of Swift Heavy Ion irradiation on magneto transport properties of multilayer of colossal magneto resistance (CMR)/High-TC Superconductors (HTCS)/CMR Thin Films	Dr. Kuldeep Kumar Shrama	Mr Arvind Kumar	In progress
2.	Nano Composite and Electrical Properties	Dr. Vimal Sharma and Dr. Subhash Chand	Mr Munish Rangra	In Progress
3.	To study the effect of Nickel substitution at B site of RCoO <sub>3</sub>	Dr. Rajesh Kumar	Mr. Ashok Kumar	In progress
4.	Thin Films and Magnetic Properties		Ms. Leela Vati	In progress

5.	Schottky Diode Fabrication	Dr. Subhash Chand	Mr. Naveen Kumar	In Progress
6	Phosphor Nano Material	Dr. Arvind Kumar	Mr. Kirpreet Singh	In Progress

(d) **Ph.D. Degree awarded: - Nil**

(e) **Master Thesis completed: - -Nil-**

5. **EQUIPMENT ACQUIRED: -NIL-**

6. **TECHNICAL ASSOCIATION/SOCIETIES: - Nil**

7. **DETAIL OF THE LABORATORIES: -NIL-**

Sr. No.	Name of the Laboratory
1.	UG Lab
2.	R & D Lab I
3.	R & D Lab II
4.	R & D Lab III
5.	M.Sc. Lab

## DEPARTMENT OF CHEMISTRY



### 1. ACADEMIC STAFF

**HEAD**      Dr. Bharti Gaur  
                  Ph.D

#### FACULTIES :

Professor	Associate Professor	Assistant Professor	Lecturer (On Contract)
Dr. A.S. Singha	Dr.Pamita Awasthi	Dr.Raj Kaushal	Dr. Shivendra Singh
	Dr.Bharti Gaur	Dr. K.S. Ghosh	Dr. Sunil Dutt
		Dr. Jaibir Kherb	

### 2. SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSES

Sponsoring Agency	Name of the Coordinator	Title of the seminar/symposia etc.	Duration	Venue
Self Financed	Dr Bharti Gaur , Dr Raj Kaushal	06 days short term course on Computer Aided Drug Designing (CADD-2017)	12-17 December, 2017	NIT Hamirpur
MHRD-GIAN	Dr. Pamita Awasthi Dr. Kalyan S Ghosh	Chemical, Biochemical and Environmental Issues Related to Cancer and Solutions Addressing Problems	September 11-16, 2017	NIT Hamirpur
NIT Hamirpur and external funding agencies	Dr. Varun Dr. Kalyan S Ghosh Dr. Tapas Palai	National Conference on Recent Trends in Chemical Sciences & Engineering (RTCSE - 2017)	October 13-14, 2017	NIT Hamirpur

### 3. RESEARCH Research Scheme

Title of the scheme	Sponsored by	Assistance received(Rs.) in lakh	Investigator	Brief Report
Manufacture of pine needle based fibreboards/particleboards sanction order no. DST/SSTP/HP/481	DST Govt. of India	40,77,935/-	Dr. Bharti Gaur (PI)	The project is ongoing
"Exploring Diversity, Functional Dynamics and Biotechnological Applications of Bacterial Communities Inhabiting Hot Water Spring Atop the Himalayan Ranges at Manikaran, Himachal Pradesh, India". No. Funded by DBT vide sanctioned order no. BT/PR15118/BCE/8/1141/2015, (Ongoing)	DBT Govt. of India	Rs. 52,23,200/-	Dr. Bharti Gaur (Co-PI)	The project is ongoing
“Synthesis, Characterization, Biological and Computational study of series of 1-[1-oxo-3-phenyl-2(benzo sulphonamide)-propylamido]-anthracene-9,10-dione analogs-Anthraquinone based anticancer drugs”	DST-WOS-A	Rs. 24,30,000/-	Mrs. Manu Vatsal(PI) and Dr. Pamita Awasthi (Scientiest Mentor to PI)	1. Started on 1 <sup>st</sup> April 2017; 2. 70% of instrument purchase done 3. Completed the synthesis and characterization, biological and computational studies of 1-amino anthraquinone antibiotics completed 4. One paper in SCI indexed journal published.
“Designing, preparation, characterization and ant proliferative activity of titanium based drugs” funded by, SERB, DST New Delhi.	SERB, DST	11 lakhs	Dr. Raj Kaushal	Completed

#### 4. Research Publication: (w.e.f. 1.04.2017 to 31.03.2018)

1. Ashish Guleria and A.S. Singha "Preparation of starch based Bio composites reinforced with Mercerized Lignocellulosic Fibers- Evaluation of their Thermal, Morphological, Mechanical and Biodegradable Properties" International Journal of Polymer Analysis and Characterisation (15PAC)22(7), 595-609, June 30, 2017.
2. Study on the effects of nanoparticulates of SiC, Al<sub>2</sub>O<sub>3</sub>, and ZnO on the mechanical and tribological performance of epoxy-based nanocomposites  
K Dass, SR Chauhan, B Gaur  
Particulate Science and Technology 35 (5), 589-606
3. Influence of hydrophobic block length and ionic liquid on the performance of multiblock poly (arylene ether) proton exchange membrane  
BG Swati Awasthi, Vaishnav Kiran
4. Cross linked poly (ether ether ketone) : Cost effective proton exchange membranes for fuel cell application; Swati Awasthi, Vaishnav Kinran, Bharti Gaur Bull. Mater. Sci. (2013) 41:9.  
International Journal of Hydrogen Energy
5. Patent Filed: "Sulfonamide analogues to be anticancer, antibacterial, antifungal, antimicrobial, carbonic anhydrase inhibitor and antidiabetic agents" Pamita Awasthi, Kirna Devi, Manu Vatsal (application no. 201711028145) July 2017.
6. Structural and theoretical study of 1-[1-oxo-3-phenyl-(2-benzosulfonamide)-propyl amido] e anthracene-9,10-dione to be i-motif inhibitor Manu Vatsal, Vandna Devi, Pamita Awasthi\*  
Journal of Molecular Structure 1157(2018) 230-238 Elsevier
7. *Raj Kaushal, Nitesh Kumar, Archana Thakur, Kiran Nehra, Pamita Awasthi, Rajeev Kaushal and Saroj Arora*, Synthesis, spectral characterization, antibacterial and anticancer activity of some titanium complexes, Anti cancer agents in Medicinal Chemistry, Vol 18, 2018, DOI : 10.2174/1871520618666171219122431
8. Babu, M. S., Reddy, K. S., **Ghosh, K. S.**, Sahoo, B. K., Himasekar, Ch., Mustafa, S. (2018) Design, Synthesis, Single X-Ray Crystal Structure, DFT and Molecular Docking Studies of Novel Clip Type-Pyridyltetrazole Analogues, *Asian J. Chem.* **30** 333-342.
9. Rana, N., **Ghosh, K. S.**, Chand, S., Gathania, A. K. (2017) Investigation of ZnO nanoparticles for their applications in wastewater treatment and antimicrobial activity, *Ind. J. Pure Appl. Phys.* **56**, 19-25.
10. Sharma, V., **Ghosh, K. S.** (2017) Inhibition of amyloid fibrillation and destabilization of fibrils of human D-crystallin by direct red 80 and orange G, *Intl. J. Biol. Macromol.* **105**, 956-964.
11. Chauhan, P., Velappan, A. B., Sahoo, B. K., Debnath, J., **Ghosh, K. S.** (2017) Studies on molecular interactions between Schiff bases and eye lens chaperone human A-crystallin, *J. Lumin.* **192**, 148-155.

5. **Doctoral Programme:-** 14 on going  
Ph.D Degree Awarded:- Nil.

**Doctoral Programme:**

Sr. No	Title	Guide	Name of the student	Brief Report
1.	Poly (arylene ether) Multiblock copolymers for proton exchange Membrane fuel cells.	Dr. Bharti Gaur	Ms. Swati Awasthi	Thesis Submitted
2.	Synthesis and Characterization of Rosin based amine curing agents and study of curing behavior with epoxy resins.	Dr. A.S. Singha, Dr. Bharti Gaur	Ms. Tamanna Thakur	ongoing
3.	Synthesis and Characterization of Proton Exchange Membrane for Fuel Cell Applications.	Dr. Bharti Gaur, Dr. A.S. Singha	Ms. Rashmi	ongoing
4.	Synthesis, Characterization, biological and computational studies of anthraquinone based drugs to be potential anticancer agents.	Dr. Pamita Awasthi	Ms. Manu Vatsal (Under DST-WOS-A Project)	On going 1.98% Work completed 2. Some biophysical studies results are awaited; thesis would be submitted by next semester 3. Filed one patent application and published one paper in SCI indexed journal
5.	Synthesis, Characterization, biological screening and computational studies of sulphonamide analogues to be multifunctional agents	Dr. Pamita Awasthi	Ms. Kirna Devi (under UGC-RG fellowship)	On going 1.70% Work completed 2. Some biological and biophysical studies are going on 3. Filed one patent application
6.	Synthesis, characterization, computational and bioassay of juvenile hormone analogues to be insect growth regulators	Dr. Pamita Awasthi	Ms. Vandna Devi (under MHRD fellowship scheme)	1. Comprehensive examination passed 2. Synthesis of molecules with diverse features having susquiterpinoide frame work is going on 3. Published one paper in SCI indexed journal
7.	Drug-DNA interactions of synthesized analogues of anthracycline class of anticancer drugs using spectroscopic and computational tools-A novel approach to develop new class of drug candidates.		Ms. Anjali Sharma (JRF-UGC-MHRD)	1. Course work is going on 2. Synthesis of molecules having hetero atom in tricyclic aromatic system is going on.

8.	Metal indole complexes as anticancer agents	Dr Raj Kaushal	Ms. Archana Thakur	ongoing
9.	Vanadium complexes as anti diabetic agents	Dr Raj Kaushal	Ms. Mandeep Kaur	ongoing
10.	Schiff Bases and Flavonoids as Inhibitors of Human $\gamma$ D-crystallin Aggregation and their Interactions with Human $\alpha$ A -crystallin: An Approach to Impede Cataract	Dr. K.S. Ghosh	MS. Priyanka Chauhan	Thesis submitted
11.	Fibrillation of gamma crystallins and its inhibition by small molecules and chaperones	Dr. K.S. Ghosh	Ms. Vandna Sharma	In Progress
12.	Posttranslational modifications on crystallins and its inhibition	Dr. K.S. Ghosh	Ms. Shiwani Rana	In Progress
13.	Nanomaterials mediated inhibition of protein aggregation	Dr. K.S. Ghosh	Ms. Anchal Sharma	In Progress
14.	Carbon based quantum dots as sensors	Dr. Jaibir Kherb	Ms. Shameema Rana	ongoing

#### 6. Popular Lectures by outside experts:

Sr. No.	Date	Speaker	Topic
Nil	Nil	Nil	Nil

#### 7. EQUIPMENTS ACQUIRED:

Sr. No.	Name of Equipment	Qty	Name of manufacturer/Supplier	Cost
1	BOD Incubator	01	M/S Deep Distributors Near Rotary eye hospital Maranda (Palampur) Distt. Kangra (H.P.)-176102	66200.00 +GST@18%
2	pH Meter	01	Against S/o No. NIT/HMR/SPC/Cheistry/2017/ 7420-24 dated 11.01.2018	5900.00 +GST@18%
3	Digital Conductivity Meter	01		4800.00 +GST@18%
4	Magnetic Stirrer with Hot Plate	06	-do- S/o No. NIT/HMR/SPC/Cheistry/2017/ 7599-7602 dated 1.02.2018	38,940/-

5	Hot Air Oven for Inorganic Lab.	01	M/S Research Aid Instruments & Service I <sup>st</sup> Floor ,Old Employment Exchange Building Palampur Distt. Kangra (H.P.)-176102 Against camp S/o No. NIT/HMR/SPC/Chemistry/2017/ dated 25.09.2017	55,696/-
6	Vacuum Pump Oil Free		M/S Research Aid Instruments & Service	11870.00 +GST@18%
7	Hot Plate Electric (Round) With energy regulator	01	I <sup>st</sup> Floor ,Old Employment Exchange Building	1875.00 +GST@18%
8	Muffle Furnace High Temperature 1200°C	01	Palampur Distt. Kangra (H.P.)-176102 Against S/o No.	39990.00 +GST@18%
9	Auto Melting Point Apparatus (without Thermal Beaker)		NIT/HMR/SPC/Cheistry/2017/ 7603-6 dated 9.02.2018	33190.00+GST@18%
10	Burette Retort Stand with clamp	20		7800.00 +GST@18%
11	Frost Free Double Door Refrigerator	01	M/s Shiva Traders Near Bus Stand, Hamirpur (H.P.)-177001, Against S/o No. NIT/HMR/SPC/Chemistry/2017/7607-10 dated 9.02.2018	38300.00 including GST 18%
12	Digital Electronic Balance	01	M/S Oswal Scientific Stores, S.C.F. No.4, Sector-16 D Chandigarh-	53125.00 +GST@18%
13	Heating Mantle (500ml Capacity)	06	160015 Against S/o No. NIT/HMR/SPC/Chemistry/7611-14 dated 9.02.2018.2018	7020.00 +GST@18%
14	Digital Potentiometer	07	M/s Research Aid Instrument & Services Palampur	73080/- +GST@18%
15	Digital Conductivity Meter	07	M/S Deep Distributors Near Rotary	64960/-
16	Muffle Furnace	01	eye hospital Maranda (Palampur) Distt. Kangra (H.P.)-176102 against camp S/o No. NIT/HMR/SPC/Chemistry/ SPC/2018/ 7420-24 dated 6.02.2018	33995/-
17	Digital Colorimeter		M/S Deep Distributors Near Rotary	41713/-
18	Hot Air Oven Digital for Organic Lab.	01	eye hospital Maranda (Palampur) Distt. Kangra (H.P.)-176102 Against S/o No. NIT/HMR/SPC/Chemistry/7599-7602 dated 9.02.2018	51,920/-

## DEPARTMENT OF MATHEMATICS



### 1. ACADEMIC STAFF

**HEAD**        Dr. Ramesh Kumar Vats  
                    Ph.D

#### FACULTIES :

Professor	Associate Professor	Assistant Professor	Assistant Professor (on contract)	Lecturer (on contract)
Dr. Y. D. Sharma Ph. D.	Dr. Ramesh Kumar Vats, Ph. D.	Dr. Pawan Kumar Sharma, Ph. D.	Dr. Rajesh Kumar Sharma, Ph.D.	Dr. Kushal Sharma, Ph.D
Dr. Sunil Ph. D.		Dr. Suket, Ph. D.	Dr. Abhishek Singh, Ph.D.	Dr. Sourav Das, Ph.D
	Dr. Talari Ganesh, Ph.D.		Dr. Arun Choudhary, Ph.D	
			Dr. Ajit Kumar Singh, Ph.D	

**3. Research (2017-18):****(a) Research Publication:****Paper published in Journal National and International/Conferences/Seminars:**

1. **Amit Mahajan, Sunil, Mahesh Kumar Sharma, (2017)**” Linear stability analysis of penetrative convection via internal heating in a ferrofluid saturated porous layer”. Fluids (Switzerland).
2. **Abhishek Singh et.al, (2017)** “Sisling and family user clustering of underweight children in northern India, JBS, Vol.49, issue3, pp.348-363”
3. **Abhishek Singh, S. K. Patel, (2017)** Gender differentials in feeding practices, health care utilization and nutritional status of children in northern India. **International Journal of Human Rights in Healthcare**, Vol. 10, No. 5, pp. 323-331 (**SCOPUS Journal, UK, ISSN: 2056-4902**). doi:<https://doi.org/10.1108/IJHRH-05-2017-0023>
4. Manju Grewal, **R.K. Vats**, Amit Kumar, n-tupled common fixed point theorems via a—serice in ordered metric space, European Journal of Pure and Applied Mathematics , Vol.10, No. 2, (2017), 295-311.
5. **R.K. Vats**, V. Sihag and C. Vetro, Common fixed point theorems of integral type for ovc mappings under relaxed condition, Thai Journal of Mathematics, 15(1) (2017), 153-166.
6. **Shivani saini, Y.D. Sharma,(2017)** “The effect of throughflow in Rivlin-ericksen Elastico-Visocs nanofluid in a Darcy porous medium”, Nanosystems physics, chemistry, mathematics, 8(5) , pp.606-612.
7. Hemanth Kumar M, Venkateswaran M, **Ganesh T** and PRS Reddy (2017), Single –Server queueing Model with Non-Homogeneous Compound Poisson Bulk Arrivals with Intervened Poisson Distribution. Research & Reviews: Journal of statistics, 6(3),pp.10-21.
8. J.C. Ramesh Reddy, **T. Ganesh**, M. Venkateswaran, PRS Reddy (2017), Forecasting of monthly Mean Rainfall in Coastal Andhra, International Journal of Statistics and Applications, 7(4), pp. 197-204. DOI: 10.5923/j.statistics.20170704.01
9. **Rajesh Sharma**, Anuar Ishak, Ioan Pop, Dual Solutions of unsteady separated stagnation point flow in a nanofluid with suction: A finite element analysis , Indian Journal of pure and Applied Physics , Vol. 55 (04) , pp. 275-283,(2017).
10. **Rajesh Sharma**, Multiple solutions of Slip flow and Heat Transfer over an Exponential Shrinking sheet with Stability Analysis. International Journal of Theoretical and Applied mechanics, Vol. 02, pp.102-106.(2017).
11. **Shivani saini, Y.D. Sharma, (2018)** “Bioconvection in a water-based nanofluid containing both nanoparticles and gyrotactic microorganisms: Effet of vertical throughflow, Journal of applied fluid Mechanics,111(5).
12. **Rajesh Sharma**, Boundary layer slip flow and heat transfer over an exponential shrinking sheet, WSEAS Transactions on Fluid mechanics, Vol. 13, PP. 18-25,(2018).

**1. National and International Conference/Seminars/Workshop organized :(2017-18)**

- A Short Term Course on Applications of LaTeX (LaTeX-2017) during 18-24 September, 2017.
- Short Term Training Programme on Statistical Techniques Using SPSS for Engineers and Researchers (STPSTS-2017) during 9-15 October, 2017.
- Workshop on Applications of Statistical Techniques Using Various Softwares (WASTVS-2017) during 20-26 November, 2017.

- International Conference on Frontiers in Industrial & Applied Mathematics (FIAM-2018) during 26-27 April, 2018.

#### 4. Research scheme (2017-18)

S. No	Name of the staff	Title of the scheme	Sponsored by	Assistance received (Rs.)in lakh	Investigator	Brief Report
1	Dr. Rajesh Kumar Sharma,	“Numerical investigations of some momentum & Heat transfer problems in complex Nano Fluids”	SERB, Govt. of India	4,87,366/- Lakh.	Principal Investigator	One J.R.F. Recurited
2	Dr. R. K. Vats	Solution of Various forms of differential and integral equations through concept of fixed point theorem	CSIR, New Delhi	2,90,454/- Lakh.	Principal Investigator	One J.R.F. Recurited

#### 5. Participated by faculty Member: (2017-18)

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#### 6. Ph.D. Degree Awarded-: (2017-18)

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#### 7. Doctoral Programme: 07. on going : (2017-18)

S.No.	Title	Guide's Name	Name of Student	Registration No	Brief Report
1	“Some Problems on Bio-Connection in a Suspension Saturated with Nano Fluid”	Dr. Y.D. Sharma	Ms. Shivani	2k15-Ph.D-Math-286	In progress
2	“Solutions of Fractional different by using fixed point theory”	Dr. R.K Vats	Mr. Sachin Kumar	2k15-Ph.D-Math-287	In progress

3	“Applications of Fixed Point Theory in Solutions of Differential & integral Equations”	Dr. R.K Vats	Mr. Ankit Kumar Nain	2k17-Ph.D-Math-349	In progress
4	“Computational fluid Dynamics”	Dr. R.K Sharma	Mr. Ankit Kumar	2k17-Ph.D-Math-344	In progress
5	“Complex Nano Fluid”	Dr .R.K Sharma	Ms. Ankita Bisht	2k17-Ph.D-Math-374	In progress
6	“Stochastic Transportation Problem”	Dr. Talari Ganesh	Ms. Prachi Agrawal	2k17-Ph.D-Math-375	In progress
7	“Thermo elasticity”	Dr. P.K. Sharma	Mr. Ankit Bajpai	2k17-Ph.D-Math-376	In progress

#### 8. DETAIL OF THE LABORATORIES:

No.	Name of the Laboratory
1	Computation Lab

## DEPARTMENT OF CHEMICAL ENGINEERING



### 1. ACADEMIC STAFF

**HEAD**      Dr. Pamita Awasthi  
                  Ph.D

#### FACULTIES :

Professor	Associate Professor	Assistant Professor	Lecturer(On Contract)
--	Dr. Pamita Awasthi	Dr. Radhe Shyam	Dr. Vijay Singh
		Dr. Leela Manohar	Dr. Arijit Das
		Dr. Tapas Palai	Dr. Jogender Singh
			Dr. Deepak Sahu
			Dr. Ravikant R Gupta
			Dr. Richa Agarwal
			Ms. Shilpa

#### Technical Staff:

1. Mr. Subhash Chand
2. Mrs. Praveen Kumari

#### Ministerial Staff:

1. Mr. Joginder Singh
2. Mr. Ashok Kumar

### 2. DISTINCTION ACHIEVED:

- a) **Job Placement:** The students are placed in various core chemical engineering and software industries.

- b) **Gate-2018:** B. Tech 4<sup>th</sup> year students of Chemical Engineering Department secured good score in Gate-2018. The details of the Gate- 2018 qualified students are given below.

Sr. No	Name of Student	Roll No.	Rank Gate-2018
1.	Navdeep Sharma	14743	79
2.	Siddhartha Sharma	14729	357
3.	Karan Singh Kanawat	14750	528
4.	Abhishek Sharma	14742	989
5.	Rishabh Tripathi	14741	1591
6.	Harshit Sharma	14722	3304
7.	Rajesh Kumar	14735	4040
8.	Udit Khandara	14739	4096

### 3. INDUSTRIAL VISIT: nil

### 4. EVENTS ORGANISED:

#### 4.1 SANKALP:

A Sankalp has been taken by the students, faculty and staff of chemical engineering department to observe 70 years of Freedom and 75 years of Quit India Movement in Higher Educational Institutions on 9<sup>th</sup> August, 2017.

#### 4.2 *Rashtriya Ekta Diwas Pledge:*

The Rashtriya Ekta Diwas Pledge has been taken on 31<sup>st</sup> October, 2017 on the occasion of the birth anniversary of Sardar Vallabhbhai Patel by the students, faculty and staff of Chemical Engineering Department.

#### 4.3 *CONSTITUTION DAY*

The department of chemical engineering has organised various events under celebration/observance of “**CONSTITUTION DAY**” on 27<sup>th</sup> November 2017 being closed holiday on 26<sup>th</sup> November 2017 in the Department of Chemical Engineering, National Institute of Technology, Hamirpur (H.P).

- ❖ Reading of the preamble to the Constitution
- ❖ Reading of the Fundamental Duties as enshrined in Article 51A of the Constitution.

#### 4.4 **Gate Mock Test-2018**

The department of chemical engineering organized the mock test for Gate-2018 on 21<sup>st</sup> January 2018, which helped students to secure good ranks in the Gate-2018.

#### 4.5 **Fresher's Party**

Fresher's Party for Incoming students of the 2017 batch of chemical engineering students were organised on 12<sup>th</sup> February 2018.

**5. NATIONAL CONFERENCE, SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSE CONDUCTED BY THE DEPARTMENT:**

a.

Sponsoring Agency	Name of the Coordinator	Title of the Conference, seminar/symposia etc.	Duration	Venue
NIT Hamirpur	Dr. Pamita Awasthi, Dr. Varun Goel, Assistant Professor (MED) & Coordinator, and Dr. Tapas Palai Department of Chemical Engineering	National Conference on Recent Trends in Chemical Science & Engineering	October 13 <sup>th</sup> - 14 <sup>th</sup> 2017.	NIT Hamirpur
Self Financing	Dr. Radhe Shyam, Assistant Professor	Short term Course on Learning of CFD Using Ansys-under Self Finance	May 16 <sup>th</sup> to 21 <sup>st</sup> , 2017	NIT Hamirpur
NIT Hamirpur under GIAN	Dr. Pamita Awasthi and Dr. Leela Manohar Aeshala	Emerging Electrical Energy Storage Application	11 <sup>th</sup> to 16 <sup>th</sup> December 2017	NIT Hamirpur
NIT Hamirpur	Dr. Joginder Singh & Dr. Varun	Fundamentals of Fluid Mechanics and its applications in Industry.	17 <sup>th</sup> to 22 <sup>nd</sup> December 2017	NIT Hamirpur
NIT Hamirpur	Dr. Pamita Awasthi & Dr. Ravikant R Gupta	Industrial Safety and Hazard management for Unemployed Youths	15 <sup>th</sup> – 20 <sup>th</sup> January 2018.	NIT Hamirpur

b. Participated by faculty Members:

**Seminar, symposia summer school, winter school/short Term course, Conference etc. attended**

Name of the Staff	Course/Seminar	Held at Organization	Duration	Venue
Dr. Tapas Palai, Assistant Professor	Global Initiative of Academic Networks (GIAN) – MHRD course on ‘Smart Electrical Storage devices’,	NIT Hamirpur	December 11-16, 2017	NIT Hamirpur
	Global Initiative of Academic Networks (GIAN) – MHRD course on ‘Chemical, Biochemical and Environmental Issues Related to Cancer and Solution Addressing Problems’	NIT Hamirpur	September 11-16, 2017	NIT Hamirpur
	Short-Term Course (STC) on ‘Learning CFD Using ANSYS’	NIT Hamirpur	May 16 -21, 2017	NIT Hamirpur

**c. Expert Lecturers delivered by faculty Members:**

- Dr. Tapas Palai, Assistant Professor Chemical Engineering Department delivered invited lecture on 'Fundamentals of Heat and Mass Transfer' in Skill India Program on Industrial Safety and Hazard Management, NIT Hamirpur, January 16-20, 2018.
- Dr. Tapas Palai, Assistant Professor Chemical Engineering Department delivered invited lecture on 'Biological Treatment of Industrial Waste' in Skill India Program on Industrial Safety and Hazard Management, NIT Hamirpur, January 16-20, 2018.
- Dr. Tapas Palai, Assistant Professor Chemical Engineering Department delivered invited lecture on 'Flow Measuring Devices' in Skill India Program on Industrial Applications of Fluid Flow, NIT Hamirpur, January 16-20, 2018.

**6. RESEARCH PROJECT AND RESEARCH PUBLICATION:****a) No of Research Project (Completed and in progress)**

<b>Title of the Research Project</b>	<b>Funding Agency and amount sanctioned</b>	<b>Allotment in the Year (for 3 year)</b>	<b>Present Status of the Project</b>	<b>Name of PI</b>
Flow and Heat Transfer Over a Corrugated Tube Placed in Non-Newtonian Power-Law in the Presence of Magnetic Field	Science & Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India Rs. 21.5 lacs	2016 (For a period of 3 years)	In Progress	Dr. Radhe Shyam
Development of Amine Functionalized Polymer Electrolytes for Reduction of CO <sub>2</sub> to Fuel.	Science & Engineering Research Board (SERB), Department of Science & Technology (DST), Govt of India Rs. 35.42 lacs	2017 (For a period of 3 years)	In Progress	Dr. Leela Manohar Aeshala
Water treatment for Removal of Chromium and Arsenic by Microbial Method Followed by Adsorption: Sustainable Solution with Minimum Environmental Impact.	Science & Engineering Research Board (SERB), Department of Science & Technology (DST), Government of India Rs. 42.52 lacs	2017 (For a period of 3 years)	In Progress	Dr. Tapas Palai

a) **Research Publication**i) **Papers published by Faculties:**i) **Papers accepted for publication:** Nilii) **Patent:** Niliii) **Doctoral Programme:** Niliv) **Master thesis completed:** Nilv) **Ph.D Degree awarded:** Nilvi) **Popular Lectures by outside experts:**

Sr. No.	Date	Speaker	Topic
	Nil	Nil	NIL

**7. EQUIPMENT ACQUIRED:**

Sr. No.	Name of Equipment	Qty	Name of manufacturer/Supplier	Cost in Rs.
1.	Laser Jet 1020 Printer	06 Nos	M/s Himcom Computer Shop No. 1,2,3, Prabhu Kirti Complex Near KCC Bank Dev Palk Chowk Hamirpur	Rs. 59,700.00
2.	Biometric Machines	01 No	M/s P and L Services 15E Pocket 4 MayurVihar Phase-1 East Delhi	Rs. 23,043.00
3.	Multimedia Projectors	02 Nos	M/s Disha Buildwell Rabbawala Bhawan, 370, M.G Road, Gorakund Indore-452002.	Rs. 1,95,000.00
4.	RTD Studies in Continuously Stirred Tank Reactor	01 No	M/s R. K. Scientific & Engg. Works 20/1 Adarsh Nagar New Hardwar Road Roorkee.	Rs. 36,225.00
5.	Isothermal Batch Reactor	01 No	M/s R.K. Scientific & Engg. Works 20/1 Adarsh Nagar New Hardwar Road Roorkee.	Rs. 33,915.00
6.	Temperature Control Trainer	01 No	M/s R.K. Scientific & Engg. Works 20/1 Adarsh Nagar New Hardwar Road Roorkee.	Rs. 81,060.00

7	Flow Control Trainer	01 No	M/s R.K. Scientific & Engg. Works 20/1 Adarsh Nagar New Hardwar Road Roorkee.	Rs. 1,62,645.00
8	Study of P/I & IP Converter	01 No	M/s R.K. Scientific & Engg. Works 20/1 Adarsh Nagar New Hardwar Road Roorkee.	Rs. 40,425.00
9	White Board 6''x 4'' Size	01 No	Hiteshi Technical Store NIT hamirpur	Rs. 4,572.00

**Equipments purchased under DST Project Grant of Dr. Leela Manohar AP.**

Sr. No	Name of Equipment	Qty	Name of manufacturer/Supplier	Cost in Rs.
1.	Desk Top Computer	1 No	M/s Ellora Technologies Dev Pal Chowk Upper Bazar Hamirpur	Rs. 34,800.00
2.	Laser jet Printer	1 No	M/s Ellora Technologies Dev Pal Chowk Upper Bazar Hamirpur	Rs. 10,600.00
3.	Microprocessor Based Gas Chromatograph	1 No	M/s Centurion Scientific CFF-8 Jumbo House DR IGST JhaMarg Industrial Area Phase-III New Delhi	Rs. 5,55,485.00
4	Hot Air Oven	1 No	M/s LINCO Cross Road No.5 Near Classic Hotel Grain Market Ambala Cantt	Rs. 11,900.00
5	Magnetic Stirrer with SS Hot Plate	1 No	M/s LINCO Cross Road No.5 Near Classic Hotel Grain Market Ambala Cantt	Rs. 21,840.00
6	PH Meter Digital	1 No	M/s LINCO Cross Road No.5 Near Classic Hotel Grain Market Ambala Cantt	Rs. 22,500.00
7	Analytical Balance	1 No	M/s DP Analytics 618, Paudium Business Hub, 6 <sup>th</sup> Floor above Pantaloons Vist-Gandhinager Highway Ahmedabad.	Rs. 55,720.00

8	Electrochemical Work Station	1 No	M/s LINCO Cross Road No.5 Near Classic Hotel Grain Market Ambala Cantt	Rs. 9,49,900.00
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**Equipments purchased under DST Project Grant of Dr. Radhe Shyam AP.**

Sr. No	Name of Equipment	Qty	Name of manufacturer/Supplier	Cost in Rs.
1.	Ansys Academic Research CFD Package	1 No	M/s Entuple Technologies pvt. Ltd # 2730, Trikannika 80 Fat Road opp. CMH Hospital Hal 3 stage Indiranagar Bangalore	Rs. 5,50,000.00
2	Workstation Computer	1 No	M/s Himcom Computers, Shop No 01,02,03 PrabhKirti Complex Near KCC Bank Devpaul Chowk Hamirpur	Rs. 1,04,350.00

**8. CONSULTANCY SERVICES:** Nil

**9. TECHNICAL ASSOCIATION/SOCIETIES:** nil

**10. DETAILS OF LABORATORIES:**

- Fluid Mechanics Laboratory
- Heat Transfer Laboratory
- Mechanical Unit Operation
- Mass Transfer Laboratory
- Process Dynamic Control Laboratory
- Chemical Technology Laboratory
- Energy Technology Laboratory
- Chemical Reaction Engineering Laboratory
- Computer Lab
- Industrial Pollution Abatement Lab

## CENTRE FOR EXCELENCE IN MATERIAL SCIENCE & ENGINEERING



### 1. ACADEMIC STAFF

**HEAD**        Dr. Ravi Kumar

#### **FACULTIES :**

Professor	Associate Professor	Assistant Professor (Contract)
Dr. Ravi Kumar	Dr. Vishal Singh	Dr. Vikram Verma

### 2. DISTINCTION ACHIEVED

- (a) By student:        -  
 (b) By faculty Member:    -

### 3. SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSE -Conducted in the department.

Sponsoring agency	Name of the Coordinator	Title of the Seminar/symposia	Duration	Venue
-	-	-	-	-

#### **b) Participated by Faculty Members:**

Name of the Staff	Course/Seminar	Organization	Duration	Venue
-	-	-	-	-

**4. RESEARCH****(a) Research Scheme:**

Title of the Scheme	Sponsored by	Assistance Received (Rs) in lakh	Investigator	Brief Report
-	-	-	-	-

**(b) Research Publication:-****PAPER PUBLISHED IN JOURNALS/CONFERENCES ETC. BY FACULTIES in 2017-2018**

1. “Structural, dielectric and magnetic studies of multiferroic  $\text{Bi}_{1-x}\text{Sr}_x\text{FeO}_3$  ( $x= 0.1, 0.2, 0.3, 0.4$  and  $0.5$ ).” Jaiprakash, R.S. Chauhan, **Ravi Kumar**, Pawan Kumar and Anil Kumar, Solid State Sciences 72 (2017) 5.
2. “Swift heavy ion induced material modifications in  $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$  ceramics as probed by temperature dependent Raman spectroscopy”. P.K. Bajpai, C.R.K. Mohan, Ratnamala Ganjir, **Ravi Kumar**, Ashok Kumar, R.S. Katiyar, J Raman Spectroscopy DOI: 10.1002/jrs.5288 (2017).
3. Sanjeev Katoch, Rakesh Sehgal, and **Vishal Singh** Evaluation Tensile Toughness Evaluation of Differently Cryogenically Treated AISI H 1 Steel, International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET:EITM-2017), NIT, Hamirpur, Himachal Pradesh, ID No ME 424, December 16-18, 2017.
4. Sanjeev Katoch, Rakesh Sehgal, and **Vishal Singh**, Evaluation of mechanical properties and microstructure of different cryogenically treated hot die steel AISI-H13, International Journal of Materials Research, Carl-Hanser, Vol. 108, Issue 3, pp 173-184, 2017.
5. Sanjeev Katoch, Rakesh Sehgal, and **Vishal Singh**, Optimization of friction and wear characteristics of varied cryogenically treated hot die steel grade AISI-H13 under dry condition, Friction, Springer, Vol.5 Issue 1, pp.66-86, 2017.
6. “Investigation of room temperature Mossbauer spectroscopy and initial magnetic susceptibility properties in  $\text{Al}^{3+}$  substituted cobalt ferrites”. Rabia Pandit, Pawan Preet Kour, K.K. Sharm, Mohamd Hashim and **Ravi Kumar**, Spin 8 (2018) 184005.
7. “Influence of Rare Earth ion doping (Ce and Dy) on electrical properties of Cobalt ferrites”. Mohd Hashim, M. Raghasudha, Sher Singh Meena, Jyoti Shah, Sagar.E. Shirsath, Shalendra Kumar, D. Ravinder, Pramod Bhatt, Alimuddin, **Ravi Kumar**, R.K. Kotnala. Journal of Magnetism and Magnetic Materials 449 (2018) 319-327.
8. “High temperature dielectric studies of indium-substituted NiCuZn nanoferrites”. Mohd Hashim, M. Raghasudha, Jyoti Shah, Sagar E. Shirsath, D. Ravinder, Shalendra Kumar, Sher Singh Meena, Pramod Bhatt, Alimuddin, **Ravi Kumar**, R.K. Kotnala. Journal of Physics and Chemistry of Solids 112 (2018) 29–36.
9. Structural and optical studies of Mg doped nanoparticles of chromium oxide ( $\text{Cr}_2\text{O}_3$ ) synthesized by co-precipitation method, Jarnail Singh, **Vikram Verma**, and Ravi Kumar, AIP Conference Proceedings 1942, 120013 (2018).
10. Preparation and Structural, optical studies of Al substituted chromium oxide ( $\text{Cr}_2\text{O}_3$ ) nanoparticles, Jarnail Singh, **Vikram Verma**, and Ravi Kumar, ISFM (2018).

**(c) Conferences attended during 2017-18.**

1. Workshop on Applications of Statistical Techniques using various softwares at NIT Hamirpur. 20-26 Nov. 2017
2. Emerging Electrical Energy Storage Applications GIAN course at NIT Hamirpur. 11-16 Dec. 2017

- iii) **PAPER ACCEPTED FOR PUBLICATION :** -nil-  
 iv) **PATENT :** -nil-  
 (c) **Doctoral Programme :** 05 Nos. Ongoing  
 (d) **Ph.D Degree awarded :** 04  
 (e) **Master thesis completed :** 11 (Thesis to be submitted very shortly during June/July, 2018).

S.No.	Title	Name of Student	Guide allotted
1	Synthesis and characterization of line stannate	Nav Deepak, (16M601)	Prof. Ravi Kumar
2	Synthesis of Magnesium Doped Zinc Oxide & characterization	Akhil Kumar, (16M602)	Prof. Ravi Kumar
3	Preparation and characterization of lead based perovskite materials film for solar cells	Sadiq Mahmood (16M603)	Prof. Ravi Kumar
4	Comparative Study of Machinability, Tool Wear And Chip Morphology of Titanium and Cryogenic Treated Titanium Grade-5 Alloy	Amit Gangwar (16M604)	Dr. Vishal Singh
5	Structural Characterization of DLC Coating prepared by using pulsed laser deposition technique (PLD)	Juhi Rani Verma (16M605)	Dr. Vikram Verma
6	Preparation of Characterization of Golepoxy Composite	Raj Kumar Garg (16M606)	Dr. Vishal Singh
7	Preparation and characterization of METHYL Ammonium Lead Tri-iodide by Solven Engineering method for solar cell application	Pranoy.S (16M608)	Prof. Ravi Kumar
8	Preparation and characterization of Methyl Ammonium [(CH <sub>3</sub> NH <sub>3</sub> ) <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> ] Perovskite Materials for Solar Cell	Vikas N P (16M609)	Prof. Ravi Kumar
9	Tribological and mechanical characterization of graphite/carbon fiber/polypropylene hybrid composite prepared by using twin screw extruder	Devendra Vyas (16M610)	Dr. Vishal Singh
10	To study the effect of heat treatment on mechanical property and machinability of tool steel H13	Dharamendra Kumar (16M611)	Dr. Vishal Singh
11	Synthesis & characterization of KNN/PVDF composite	Servesh Kumar (16M612)	Dr. Vishal Singh

**(f) DOCTORAL PROGRAMME:-**

Sr. No.	Title	Guide	Name of the student(s)	Brief Report
1	Syn and Optical, Electrical Characterization of P-type Transparent conducting Oxides Material	Dr. Vikram Verma/Dr. Ravi Kumar	Mr. Jarnail Singh	Ongoing
2	Synthesis and Characterization of LDPE, HDPE with fillers graphite GE, CNT and study the electrical and mechanical properties	Dr. Vishal Singh	Mr. Ashish	Ongoing
3	Structural , Electrical and Magnetic Studies of Transition Metal substituted $\text{RCrO}_3$	Dr. Ravi Kumar	Mr. Kapil Dev Singh	Ongoing
4.	Hard coatings	Dr. Vikram Verma	Sh. Amarjeet Singh	ongoing
5	Ferroelectric Nano-Polymer Composite	Dr. Subhash Chand, Deptt. of Physics	Mr. Sumit Bhardwaj	Completed
6.	Nano-Phosphors	Dr. Arvind Kumar, Deptt. of Physics	Mr. Satinder Kumar	Completed
7.	Multiferroic Materials	Dr. Kuldeep Kumar Sharma, Deptt. of Physics	Mr. Joginder Pal Sharma	Completed
8.	Effect of Cryogenic Treatment on Mech. Metallurgical properties of Tool & Die Steels	Dr. Vishal Singh	Mr. Sanjeev Katoch	Completed
9.	Nano clay / Polymer Composites	Dr. Vishal Singh	Mr. Sudhir Saralch	Ongoing

**(g) POPULAR LECTURES BY OUTSIDE EXPERTS:**

Sr. No.	Date	Speaker	Topic
1		NIL	

**(h) CONSULTANCY SERVICES:**

Sr. No	Name of the Scheme	Sponsored Agency	Amount Earned
-	-	-	-

**(i) EQUIPMENT ACQUIRED:**

Sr. No.	Name of equipment	Name of manufacturer	Cost (in Rs.)
1.	Premix Gas for Coherent complex pro 205 Excimer Laser System KrF premix gas cylinders	M/s. Laser Science Services (I) Pvt. Ltd. Navi Mumbai	Rs.7,74,860/-
2.	High Temperature Tube Furnace	M/s. Metrex Scientific Instruments (P) Ltd, WH-20, Mayapuri Industrial Area, Phase-I, New Delhi	Rs. 2,10,000/-
3.	Silicon Wafer 2" O100R1 - 10 T-P SSP and other 06 items (Substrates )	M/s. Macwin India ,T-5 , Pankaj Central Market, I.P. Extn. Patpargaj, Delhi- 110092 (India)	Rs. 5,49,859/-

**7. TECHNICAL ASSOCIATION / SOCIETIES:** -nil-

**8. DETAIL OF THE LABORATORIES:**

Sr. No.	Name of the Laboratory
1.	Polymer Composites Lab
2.	XRD Lab
3.	FESEM / Nano Indentor Lab
4.	PLD Lab
5.	PL/Micro-Raman Lab
6.	Spectroscopy Lab
7.	Nono Tech. Lab
8.	Materials Science & Research Lab

## CENTRE FOR ENERGY AND ENVIRONMENTAL ENGINEERING



### 1. ACADEMIC STAFF

**HEAD**        Dr. N. S. Thakur  
                  Professor

#### FACULTIES :

Professor	Associate Professor	Assistant Professor	Lecturer (On Contract)
Dr. N. S. Thakur	Dr. S. S. Katoch	Dr. Mamta Awasthi	Dr. Sunanda Sinha
Dr. S. S. Chandel (On Contract)			Mrs. Yashasvi Thakur
			Ms. Anamika Gandhi

### 1. DISTINCTION ACHIVED:

**By Student: 54**

(2017-2018)	M.Tech (Energy Technology)	M.Tech (Environmental Engineering)
1 <sup>st</sup> Year	14	14
2 <sup>nd</sup> Year	13	13

**By Faculty Member: 07**

**2. SEMINAR, SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSE**(a) **Conducted in the Department:** NIL(b) **Participated by Faculty Members:** NIL**4. RESEARCH:**(a) **Research Scheme:** NIL(b) **Research Publications:**(i) **PAPER PUBLISHED BY FACULTIES:** NIL**Paper Published in International Journals:**

S. No	Journal Name	Title of paper	Year in which publish	Author	Journal Pages
-----NIL-----					

(ii) **PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIUM:****International / National Conferences**i) **PAPER ACCEPTED FOR PUBLICATION:** Nilii) **PATENT:** Nil(c) **Doctoral Programme:** 05(d) **Ph.D. Degree awarded:** 01 No.(e) **Master Thesis Completed:** Nil(f) **DOCTORAL PROGRAMME:**

Sr. No.	Title	Guide	Name of Student	Brief Report
1.	Identification and Analyzing the Factor Related to Sustainable Development of Hydropower Projects in Jammu & Kashmir. India	Prof. N. S. Thakur	Ameesh Kumar Sharma	Awarded

(g) **POPULAR LECTURES BY OUTSIDE EXPERTS:****5. CONSULTANCY SERVICES:** Nil**6. EQUIPMENT ACQUIRED:**

Sr. No.	Name of Equipment	Name of Manufacturer	Cost (Rs. In INR)
-----NIL-----			

**7. NAME OF LABORATORIES:**

<b>S.N.</b>	<b>Name of Laboratory</b>
1	Solar Photovoltaic Laboratory
2	Solar Thermal Laboratory
3	Energy Simulation Laboratory
4	Bio Energy Laboratory
5	Energy Research Laboratory
6	Environmental Engineering Laboratory

**3.2 Non-Academic Staff (Non-Teaching) as on 31.03.2018****3.2.1. ADMINISTRATIVE STAFF**

Sr. No.	Title	First Name	Last Name	Designation	Employee Code
1	Dr.	Sushil	Chauhan	Registrar	S0030
2	Sh.	Anil Kumar	Sharma	Deputy Registrar (Accounts)	
3	Sh.	Pardeep Kumar	Soni	Deputy Registrar (Admin)	S0339
4	Sh.	Sanjay	Jamwal	Assistant Registrar(Academic)	S0151
5	Sh.	Gaurav	Sharma	Assistant Registrar(Admn)	S0344
6	Er.	Er. Suresh Kumar	Walia	Executive Engineer	
7	Er.	Sandeep Kant	Sharma	Assistant Engineer	
8	Dr.	Mani	Verma	Medical Officer	S0293
9	Sh.	Jagdish Chand	Verma	Scientific Officer	S0243
10	Sh.	Anil	Kumar	Scientific Officer	S0057
11	Sh.	Ashwani	Kumar	Scientific Officer	S0059
12	Sh.	Nitin	Paliwal	Assistant Librarian	S0343
13	Sh.	Vimlesh	Patel	Assistant Librarian	S0359

**3.2.2 Technical Staff**

Sr. No.	Title	First Name	Last Name	Designation	Employee Code
1	Sh.	Sanjeev Kumar	Vashisth	Assistant Engineer (Elect.)	-
2	Sh.	Rajesh	Sharma	Assistant Engineer (Tele)	<b>S0172</b>
3	Sh.	Birender Singh	Minhas	Assistant Librarian	S0166
4	Sh.	Rajesh	Paul	Sr. Library Assistant	S0167
5	Sh.	Joginder	Singh	Library Assistant	S0169
6	Sh.	Sarvjit	Singh	Sr. Library Assistant	S0170
7	Sh.	Kartar	Singh	Sr. Pharmacist	S0163
8	Sh.	Amarjeet	Singh	Foreman (SG-II)	S0270
9	Sh.	Ravi	Singh	Hardware Engineer (SG-II)	S0240
10	Sh.	Deep	Kanga	Senior Technical Assistant	S0065
11	Sh.	Om Parkash	Sharma	Senior Technical Assistant	S0105
12	Sh.	Jaspal	Singh	Senior Technical Assistant	S0106
13	Sh.	Balbir	Singh	Senior Technical Assistant	S0077
14	Sh.	Rajpal	Minhas	Senior Technical Assistant	S0092
15	Sh.	Avinash	Aggarwal	Senior Technical Assistant	S0269
16	Sh.	Santosh	Kumar	Senior Technical Assistant	S0275
17	Sh.	Inder Singh	Guleria	Technical Assistant	S0104
18	Sh.	Partap	Chand	Technical Assistant	S0113
19	Sh.	Dhian	Singh	Technical Assistant	S0066
20	Sh.	Bikram	Singh	Technical Assistant	S0084
21	Sh.	Man	Chand	Technical Assistant	S0108
22	Sh.	Ravinder	Kumar	Technical Assistant	S0107
23	Sh.	Sanjeev Kumar	Thakur	Technical Assistant	S0058
24	Sh.	Dev	Raj	Technical Assistant	S0114
25	Sh.	Dinesh	Kumar	Technical Assistant	S0067

26	Sh.	Joginder	Singh	Technical Assistant	S0093
27	Sh.	Krishan	Dass	Technical Assistant	S0109
28	Sh.	Kuldeep	Kumar	Technician SG-I	S0171
29	Sh.	Desh	Raj	Technician SG-II	
30	Sh.	Kalyan	Singh	Technician SG-II	
31	Sh.	Ashwani	Kumar	Technician SG-II	
32	Smt.	Reeta	Singh	Senior Technician	S0268
33	Sh.	Ajay	Kumar	Senior Technician	S0101
34	Sh.	Sukh Dev	Singh	Senior Technician	S0102
35	Sh.	Parkash	Singh	Senior Technician	S0079
36	Sh.	Rakesh	Kumar	Senior Technician	S0115
37	Sh.	Suresh	Kumar	Senior Technician	S0069
38	Sh.	Shiv	Dayal	Senior Technician	S0070
39	Sh.	Jiwan	Kumar	Senior Technician	S0061
40	Sh.	Rakesh	Sharma	Senior Technician	S0060
41	Sh.	Gajinder	Singh	Senior Technician	
42	Sh.	Surinder	Singh	Senior Technician	S0086
43	Sh.	Sunil	Kumar	Senior Technician	S0111
44	Sh.	Santosh Kumar	Yadav	Senior Technician	S0266
45	Sh.	Chet	Ram	Technician	S0095
46	Sh.	Roop	Lal	Technician	S0087
47	Sh.	Surinder	Kumar	Technician	S0116
48	Sh.	Vijay	Kumar	Technician	S0267
49	Sh.	Kishore	Chand	Sr. Technician	S0265
50	Sh.	Naresh	Kumar	Technician	S0264
51	Sh.	Mahesh	Chand	Work Assistant (Driver)	S0173
52	Sh.	Yaswant	Singh	Work Assistant (Driver)	S0174
53	Sh.	Surender	Pal	Work Assistant (Driver)	S0316
54	Sh.	Sanjeev	Kumar	Work Assistant (Driver)	S0317
55	Sh.	Shameem	Ahmed	Work Assistant (Driver)	S0319
56	Sh.	Pawan	Kumar	Work Assistant (Driver)	S0326
57	Sh.	Ashok	Kumar	Technical Assistant	

### 3.2.3 Ministerial Staff:

Sr. No.	Title	First Name	Last Name	Designation	Employee Code
1	Sh.	Baldev Ram	Sharma	Superintendent (SG-II)	S0123
2	Sh.	Nanak Chand	Negi	Sr. Superintendent(SG-II)	S0126
3	Sh.	Balam Ram	Rana	Sr. Superintendent	S0125
4	Sh.	Tilak Raj	Kapoor	Sr. Superintendent	S0128
5	Sh.	Pritam Chand	Rangra	Sr. Superintendent	S0129
6	Smt.	Dev	Kumari	Sr. Superintendent	S0134
7	Sh.	Amar Nath	Nath	Superintendent	S0133
8	Sh.	Kulwant Singh	Attri	Superintendent	S0130
9	Sh.	Satpal	Sharma	Superintendent	S0132
10	Sh.	Rattan Chand	Verma	Superintendent	S0131
11	Sh.	Parkash Chand	Bhardwaj	Superintendent	S0139

12	Sh.	Raman	Kumar	Superintendent	S0272
13	Sh.	Parvesh	Kumar	Sr. Secretary	S0282
14	Sh.	Desh Raj	Bansal	Secretary	S0099
15	Sh.	Dev	Raj	Secretary	S0071
16	Sh.	Gulab Singh	Thakur	Stenographer (SG- I)	S0117
17	Smt.	Pushpa	Devi	Sr. Stenographer	S0164
18	Sh.	Ram	Kumar	Sr. Stenographer	S0080
19	Smt.	Sangeeta	Kumari	Stenographer	S0150
20	Sh.	Vinod	Kumar	Stenographer	S0149
21	Sh.	Raj Kumar	Sharma	Superintendent	S0136
22	Sh.	Sanjeev	Mehta	Asst. SG I	S0097
23	Sh.	Pardeep	Kumar	Asst. SG I	S0137
24	Sh.	Kishore	Kumar	Asst. SG I	S0138
25	Sh.	Joginder	Singh	Asst. SG I	S0141
26	Sh.	Rameshwar	Attri	Asst. SG II	S0140
27	Sh.	Pritam	Chand	Asst. SG II	S0143
28	Sh.	Yashpal	Singh	Asst. SG II	S0142
29	Sh.	Dharam	Singh	Asst. SG II	S0144
30	Sh.	Pawan Kumar	Sharma	Asst. SG II	S0145
31	Sh.	Jitender	Kumar	Asst. SG II	S0146
32	Sh.	Surinder	Singh	Asst. SG II	S0072
33	Smt.	Surindera	Verma	Asst. SG II	S0147
34	Sh.	Vinod	Kumar	Asst. SG II	S0153
35	Sh.	SukhDev	Singh	Sr. Assistant	S0286
36	Sh.	Raman	Thakur	Sr. Assistant	S0158
37	Smt.	Meera	Thakur	Sr. Assistant	S0155
38	Smt.	Meena	Devi	Jr. Assistant	S0162
39	Sh.	Madan	Lal	Sr. Assistant	S0152
40	Smt.	Rajbala	Jassi	Sr. Assistant	S0062
41	Sh.	Raj	Kumar	Sr. Assistant	S0160
42	Smt.	Nazima	--	Sr. Assistant	S0159
43	Sh.	Ramneek	Kumar	Sr. Assistant	S0161
44	Sh.	Rajeev	Kumar	Sr. Assistant	S0273
45	Sh.	Sohan	Singh	Jr. Assistant	S0081
46	Sh.	Roshan	Lal	Jr. Assistant	S0156
47	Sh.	Ajit	Kumar	Jr. Assistant	S0157
48	Sh.	Vikas	Dogra	Sr. Assistant	S0311
49	Sh.	Ashwani	Kumar	Sr. Assistant	S0314
50	Sh.	Vishal	Narota	Jr. Assistant	S0313
51	Sh.	Vipan	Kumar-I	Jr. Assistant	S0312
52	Sh.	Vipan	Kumar-II	Jr. Assistant	S0315
53	Sh.	Shashi Kant	Ratnakar	Jr. Assistant	S0320
54	Sh.	V.K.	Tippan	Jr. Assistant	S0321
55	Smt.	Neenu	Sharma	Jr. Assistant	S0325

**Supporting Staff:**

1	Mr.	Partap	Chand	Attendant	S0189
2	Mr.	Bhagwan	Dass	Attendant	S0198
3	Mr.	Suresh Chand	Rangra	Attendant	S0186
4	Mr.	Pritam	Chand	Attendant	S0103
5	Mr.	Balwinder	Singh	Attendant	S0193
6	Mr.	Om	Prakash	Attendant	S0181
7	Mr.	Sunil	Kumar	Attendant	S0180
8	Smt.	Tara	Devi	Attendant	S0073
9	Smt.	Geeta	Devi	Attendant	S0217
10	Smt.	Tripti	Devi	Attendant	S0215
11	Smt.	Sulesho	Devi	Attendant	S0083
12	Mr.	Hari	Singh	Attendant	S0219
13	Mr.	Bhupinder	Singh	Attendant	S0210
14	Mr.	Surinder	Kumar	Attendant	S0280
15	Mr.	Shakti	Chand	Attendant	S0187
16	Mr.	Yoginder	Singh	Attendant	S0187
17	Smt.	Manorma	Chopra	Attendant	S0098
18	Mr.	Hem	Raj	Attendant	S0197
19	Mr.	Kashmir	Singh	Attendant	S0196
20	Mr.	Kehar	Singh	Attendant	S0194
21	Mr.	Ravinder	Kumar	Attendant	S0207
22	Mr.	Vijay	Kumar	Attendant	S0202
23	Mr.	Balwant	Chand	Attendant	S0064
24	Mr.	Nikka	Ram	Attendant	S0200
25	Mr.	Rajinder	Singh	Attendant	S0213
26	Mr.	Tilak	Raj	Attendant	S0075
27	Mr.	Manohar	Lal	Attendant	S0188
28	Mr.	Banka	Ram	Attendant	S0074
29	Mr.	Suresh	Kumar	Attendant	S0192
30	Mr.	Ashok	Kumar-I	Attendant	S0195
31	Mr.	Ravi	Das	Attendant	S0190
32	Mr.	Ashok	Kumar-II	Attendant	S0191
33	Mr.	Lekh	Raj	Attendant	
34	Mr.	Joginder	Singh	Attendant	S0119
35	Mr.	Partap	Chand	Attendant	S0189
36	Mr.	Devinder	Kumar	Attendant	S0214
37	Mr.	Milap	Chand	Attendant	S0220
38	Mr.	Suresh	Kumar	Attendant	S0186
39	Mr.	Ramesh	Chand-I	Attendant	S0205
40	Mr.	Manmohan	Lal	Attendant	S0089
41	Mr.	Jiwan	Parkash	Attendant	S0206
42	Mr.	Ramesh	Chand-II	Attendant	S0201
43	Mr.	Subhash	Chand	Attendant	S0222
44	Mr.	Chain	Singh	Attendant	S0203
45	Mr.	Jai	Chand	Attendant	S0208

46	Mr.	Vinod	Kumar	Attendant	S0221
47	Mr.	Subhash	Chand	Attendant	S0183
48	Mr.	Anil	Kumar	Attendant	S0262
49	Smt.	Salochna	--	Attendant	S0263
50	Mr.	Jiya	Lal	Attendant	S0274
51	Mr.	Neeraj	Kumar	Attendant	S0271
52	Mr.	Roshan	Lal	Attendant (Works)	
53	Mr.	Vidya	Sagar	Attendant (Works)	
54	Mr.	Parkash	Chand	Attendant (Works)	
55	Mr.	Rajinder	Singh	Attendant (Works)	
56	Mr.	Rakesh	Kumar	Attendant (Works)	
57	Mr.	Prem	Lal	Attendant (Works)	
58	Mr.	Om	Parkash	Attendant (Library)	S0276
59	Mr.	Sunil	Kumar	Attendant (Library)	S0277
60	Mr.	Subhash	Chand	Attendant (Library)	S0279
61	Mr.	Mukesh	Singh	Attendant (Library)	S0278
62	Mr.	Basant	Singh	Attendant	

#### 4.0 Teaching Programmes:

##### 4.1 Courses Offered:

The following Programmes are offered by the Institute

1. B.Tech/ B.Arch
2. Five years dual degree Bachelor and master of technology
3. M.Tech / M.Arch / MBA
4. Ph.D

July 2017		August 2017		September 2017		October 2017		November 2017		December 2017					
S	1	T	1	F	1	S	1	W	1	F	1				
S	2	W	2	S	2	Id-ul-Zuha (Bakrid)	M	2	Mid	T	2	S	2	Id-e-Milad / Milad un- Nabi	
M	3	T	3	S	3		T	3	Term	F	3	S	3		
T	4	F	4	M	4		W	4	Break	S	4	Guru Nanak's Birthday	M	4	Continued End Semester Examinations
W	5	S	5	T	5		T	5		S	5		T	5	
T	6	S	6	W	6		F	6		M	6		W	6	
F	7	M	7	T	7		S	7		T	7		T	7	
S	8	T	8	F	8		S	8		W	8		F	8	
S	9	W	9	S	9		M	9		T	9		S	9	
M	10	T	10	S	10		T	10		F	10		S	10	
T	11	F	11	M	11	Mid Term Theory Examination	W	11		S	11		M	11	End Sem. Evaluation of B.Tech/ B.Arch/ DD/ M.Tech/ M.Arch Project /Dissertation
W	12	S	12	T	12			T	12		S	12		T	12
T	13	S	13	W	13			F	13		M	13		W	13
F	14	M	14	T	14			S	14		T	14		T	14
S	15	T	15	Independence Day	F	15		S	15		W	15		F	15
S	16	W	16		S	16		M	16		T	16	End of Class Work	S	16
M	17	T	17		S	17		T	17		F	17		S	17
T	18	F	18		M	18	Mid Term Evaluation of B.Tech/ B.Arch M.Tech / M.Arch Project/ Dissertation	W	18		S	18			
W	19	S	19		T	19		T	19	Diwali (Deepavali)	S	19			• Registration Date for First year UG/ PG Courses will be based On CSAB/ CCMT Schedule.
T	20	S	20		W	20		F	20		M	20	End Semester Practical Examinations		• End Semester PhD Seminar (Deptt. wise slots to be notified by Academic Section)
F	21	M	21		T	21		S	21		T	21			• Last Date for Grade Submission – 15/12/2017
S	22	T	22		F	22		S	22		W	22			• Winter Break for Students 14-12-2017 to 03-01-2018.
S	23	W	23		S	23		M	23		T	23			• Winter Break for Faculty 16-12-2017 to 02-01-2018.
M	24	T	24		S	24		T	24		F	24			• Result Declaration – 30/12/2017
T	25	F	25		M	25		W	25		S	25			
W	26	S	26		T	26		T	26		S	26			
T	27	S	27		W	27		F	27	Cultural Festival HillFair 2017	M	27	End Semester Theory Examinations		
F	28	M	28		T	28		S	28		T	28			
S	29	T	29		F	29		S	29		W	29			
S	30	W	30		S	30	Dussehra	M	30		T	30			
M	31	T	31					T	31						

\* Including Sessional Improvement Candidates





January 2018		February 2018		March 2018		April 2018		May 2018	
M 1		T 1		T 1		S 1		T 1	End Semester Theory Examinations
T 2		F 2		F 2		M 2		W 2	
W 3	Reporting Date for Faculty	S 3		S 3		T 3		T 3	
T 4	Registration for UG Courses	S 4		S 4		W 4		F 4	
F 5	Registration for PG/ Phd (All Semesters)	M 5		M 5		T 5		S 5	
S 6		T 6		T 6		F 6		S 6	
S 7		W 7		W 7	Mid Term Evaluation Of B.Tech /B. Arch / M.Tech/ M. Arch Project/ Dissertation	S 7		M 7	
M 8	Commencement of Teaching Work	T 8		T 8		S 8		T 8	
T 9		F 9		F 9		M 9		W 9	
W 10		S 10		S 10		T 10		T 10	
T 11		S 11		S 11		W 11		F 11	
F 12	Last Date for Registration *	M 12		M 12		T 12		S 12	
S 13		T 13		T 13		F 13		S 13	
S 14		W 14		W 14		S 14		M 14	
M 15		T 15		T 15		S 15		T 15	General Proficiency Viva For Final Year B. Tech Students
T 16		F 16		F 16	Annual Sports Meet	M 16		W 16	
W 17		S 17		S 17		T 17		T 17	End Semester Project Evaluation of B.Tech/ B. Arch /Dual degree
T 18		S 18		S 18		W 18		F 18	
F 19		M 19	Mid Term Theory Examinations	M 19		T 19	End of Class Work	S 19†	
S 20		T 20		T 20		F 20		S 20	
S 21		W 21		W 21		S 21		S 21	<ul style="list-style-type: none"> <li>• End Semester PhD Seminar (Deptt. wise slots to be notified by Academic Section)</li> <li>• Last Date for Grade Submission – 18/05/2018</li> <li>• Summer classes – 28/05/2018 to 30/06/2018</li> <li>• Supplementary Examination 01/07/2018 to 23/07/2018</li> <li>• Summer Break for Students 15/05/2018 to 17/07/2018.</li> <li>• Summer Break for Faculty 20/05/2018 to 16/07/2018.</li> <li>• Result Declaration – 05/06/2018</li> </ul>
M 22		T 22		T 22		S 22		S 22	
T 23		F 23		F 23	Technical Festival NIMBUS	M 23	End Semester Practical Examinations	M 23	
W 24		S 24	S 24		T 24	T 24			
T 25		S 25	S 25		W 25	W 25			
F 26	Republic Day	M 26	M 26		T 26	T 26			
S 27		T 27	T 27		F 27	F 27			
S 28		W 28	W 28		S 28	S 28			
M 29				T 29		S 29			
T 30				F 30	Good Friday	M 30			
W 31				S 31					

\* Including Sessional Improvement Candidates.

† M.Tech /M. Arch. dissertation submission on or after 19/05/2018



## 5.0 Placement

The Training & Placement Cell was established in this Institute in the year 1995. Since then lot of activities are being conducted within the ambit of this cell for the benefit of the students and faculty.

### 5.1 Office of Training and Placement:

Office of Training & Placement has been actively performing and coordinating a number of professional activities for the students. Some of the major activities relating to the students are Practical Training for the students and campus placement.

### Short Term Industrial Research Experience

Short Term Industrial Research Experience is an integral part of engineering education that aims to making students familiar with the culture and environment of industries and getting practical knowledge on working of equipment, plants and processes which cannot be accommodated or explained in a laboratory. Students are exposed to the concept of plant management and organization at first hand.

Short Term Industrial Research Experience for the B.Tech. /B.Arch. students were arranged in 371 different organizations/industries throughout the country/abroad during May-July 2018 for all B.Tech./B.Arch./Integrated M.Tech. students who had completed their pre final year. 4-6 weeks of internship at the end of 3<sup>rd</sup> year are to be completed by each student before appearing the final year.

Internship to be undertaken by students in industries/organization during May-July 2018 is as under:

Sr. No.	Address	No. of students
1.	M/s. Cetpa Infotech Pvt. Ltd. Corporate Office D-58, Sec. – 2, Red FM Lane Near Sec – 16, Metro Station Noida – 201301 (UP)	3
2.	Prof. Dr. Ing. Habil.F. Wuttke Chair of Geomechanics and Geotechnics Institute of Applied GeoScience Kiel University, 24098 Kiel	1
3.	The Deputy Director Department of Information Technology Himachal Pradesh	1
4.	Dr. Michel Beaudouin – Lafon Professor Head of HCC group Laboratoire de Recherche en Informatique Universite Paris-Sud, Centre d'Orsay U.M.R. 8623 du C.N.R.S. ,Batiment 650 F-91 405 OrsayCedex, FRANCE	1
5.	M/s. Larsen & Toubro Infotech (LTI) Navi Mumbai Dev Ctr Block I, TTC Electronic Zone Plot EL-200 (Part) ShilMahape Road, Navi Mumbai – 13	2

6.	M/s. Nearbuy India Pvt. Ltd. Tower –A, Paras Twin Towers Sector – 54, Golf Course Road Gurgaon - 122011	1
7.	M/s. Deep Leer 11 <sup>th</sup> Main BTM 1 Stage Bangalore, India Pin Code - 560009	1
8.	M/s. Investo Sure Private Limited C 32, Kaushambi Ghaziabad, Uttar Pradesh – 201010	4
9.	M/s. JP Morgan Chase & Co. Bengaluru	1
10.	M/s. Xornor Technologies Pvt. Ltd. D-151 Industrial Area Phase 8, Mohali, Punjab – 160055 India	1
11.	The Indian Institute of Technology Bombay Powai, Mumbai – 400 076 Maharashtra, India	1
12.	M/s. Wipro Limited Doddakannelli Sarjapur Road, Bengaluru – 560 035	6
13.	M/s. Webtek Labs 3-6-198, VasaviSreemukh Himayatnagar, Hyderabad Telangana – 500029, India	1
14.	M/s. Wipro Limited Guindy, CDC 3 Chennai - 600025	5
15.	The Computer Science Department IIT- Bombay, Powai Mumbai, Maharashtra - 400076	1
16.	M/s. C-DAC Mohali Plot No. A-34 Phase 8, Industrial Area Sahibzada Ajit Singh Nagar Mohali, Punjab - 160071	15
17.	The LIUM Laboratory Le Mans University LAVAL, France	1
18.	M/s. L&T Infotech Ltd. 2 <sup>nd</sup> Et. 3 <sup>rd</sup> Floor IT-6 Building, Flagship Infrastructure Pvt. Ltd. IT Et ITES, SEZ, Survey No. 154/6 Rajiv Gandhi Infotech Hinjewadi Phase 1, Pune – 13, 411057	1
19.	M/s. C-DAC ATC NETCOM IT-23, Sitapura, EPIP Software IT Park Jaipur – 302022 (Rajasthan)	4
20.	M/s. Now Floats Technologies Pvt. Ltd. Jubilee Hills, Hyderabad Pin Code - 500033	1

21.	M/s. Oxigen Online Services (I) Pvt. Ltd. IInd Floor, Building No. – 94 Sector -32, Institutional Area Gurgaon – 122001, Haryana	1
22.	M/s. Punchh Tech India Pvt. Ltd. 3 <sup>rd</sup> Floor, Sanghi Building MI Road, Jaipur - 302001	1
23.	M/s. Telecommunications Consultants India Ltd. – Information Technology Sector 22D Chandigarh – 160022	4
24.	M/s. DUCAT Ghaziabad Plot No. 1&2, Anand Industrial Estate Near ITS College Mohannagar, Ghaziabad (UP) - 201007	1
25.	M/s. C-DAC Bengaluru - 560038 Karnataka India	7
26.	M/s. Newgen Software Technologies Limited Tower E, Oxygen Business Park Pvt. Ltd. Plot No. 7, Sector – 144, SEZ Noida, Uttar Pradesh - 201301	1
27.	M/s. Takshaka Interiors Pvt. Ltd. Sector 40, IMT Manesar Haryana – 122 050	1
28.	The University of South Florida College of Engineering CSE Department 4202 East Fowler Avenue ENB 118, Tampa, Florida 33620-5550	1
29.	M/s. Web Eye Experts Plot No. E- 55, Industrial Area Phase – S.A.S. Nagar (Mohali), Punjab	3
30.	M/s. Netmax Technologies (P) Ltd. SCO 66-67 and SCO 198-200 Sector 34 a, Chandigarh	1
31.	M/s. Accion Labs India (P) Ltd. Bangalore	1
32.	M/s. Nearbuy India Private Limited Tower –A, Paras Twin Towers Sector – 54, Golf Course Road Gurgaon – 122 011	1
33.	The Head Information Liaison and Training Division CSIR – Central Road Research Institute Delhi – Mathura Road New Delhi – 110025 India	1
34.	M/s. Tellmate Helper Pvt. Ltd. Tellmate, istart, iNest Apex Bante Head Office Swami Ram Singh Rd. Lalkothi, Jaipur, Rajasthan – 302012	1

35.	M/s. Motrex Automotive India (P) Ltd. 13/6 Shed -3 1 <sup>st</sup> Floor, Mathura Road Near NHPC Metro Station Sector – 32, Faridabad, Haryana - 121003	1
36.	M/s. EME Technologies Phase – 8, Mohali, Chandigarh	1
37.	M/s. CNT Technologies Chandigarh	1
38.	M/s. Ericsson India Pvt. Ltd. DLF Cybercity, Gurgaon Haryana, India	1
39.	M/s. iBuild Innovations India Limited Plot # 30 & 31, Brigade Towers West Wing, First Floor, Financial District Nanakramguda, Gachibowli Hyderabad, Telangana 500032, India	1
40.	M/s. Webart Solutions Plot No. 3940, Sector 23 Gurgaon, Haryana, Pin code – 122015, India	1
41.	M/s. HP Inc. Pritech Park –SEZ Sarajpur Marathalli, OuterRing Road P.C. 560103, Bangalore, Karnataka	1
42.	The Department of information Technology Shimla (HP)	1
43.	M/s. Claptron Technologies Pvt. Ltd. 652, Pragathi Layout, Doddanekkundi Bengaluru, Karnatka – 560037, India.	1
44.	M/s. Now Floats Technologies Pvt. Ltd. Jubilee Hills, Hyderabad Pin Code - 500033	1
45.	M/s. SLR Infotech Pvt. Ltd. S.C.O. 134-136, 2 <sup>nd</sup> Floor Sector 34-A, Chandigarh	1
46.	M/s. Barauni Refinery Learning & Development Centre Indian Oil, P.O. Barauni Oil Refinery Dist: – Begusarai – 851 114 (Bihar)	2
47.	M/s. ONGC Petro additions Limited Plot #Z-1 & Z-83 C/o Dahej SEZ Ltd. P.O. Dahej, Taluka Vagra Dist. – Bharuch – 392130, Gujarat	1
48.	M/s. Huber Group India Pvt. Ltd. Plot No. 808/E, Phase – II G.I.D.C. Vapi – 396191, Gujarat, India	1
49.	Prof. Dr. Ronald Imbihl Leibniz University Hannover, Germany	1
50.	Prof. Dr. Roger Glaser Professor of Chemical Technology Leipzig University, Germany	1

51.	M/s. Grasim Industries Limited Chemical Division Birlagram, Nagda, MP - 456331	1
52.	M/s. Oil and Natural Gas Corporation Ltd. Ammedabad Asset HR-ER Deptt., 5 <sup>th</sup> Floor Avani Bhavan Chandkheda, Ahmedabad - 380005	3
53.	M/s. Reliance Industries Limited Village Mora, Post Bhatha Surat – Hazira Road Dist. Surat (Gujarat) Pin Code - 394510	1
54.	M/s. DCM Shriram Ltd. Kota, Rajasthan	1
55.	M/s. Barauni Refinery Learning & Development Centre Indian Oil P.O. Barauni Oil Refinery Dist: – Begusarai – 851 114 (Bihar)	1
56.	M/s. 3M India Limited Concorde Block UB City, 24, Vittal Mallya Road Bangalore, Karnatka	1
57.	M/s. Fermenta Biotech Limited	2
58.	M/s. Engineers India Limited Training Department EIL Office Complex Tower – II, Ground Floor, Sector – 16 Gurugram – 122 001, Haryana	1
59.	M/s. Oil and Natural Gas Corporation Ltd. Rkoea, KDM Complex Mandore Road, Jodhpur	2
60.	M/s. CSIR – IHBT Holta, Palampur (HP) - 176061	1
61.	M/s. Hindustan Unilever Limited (HUL) Orai (UP)	1
62.	M/s. ACC Limited Gagal Cement Works (HP)	2
63.	Prof. Dr. Ronald Imbihl Leibniz University Hannover, Germany	1
64.	M/s. KRIBHCO Fertilizers Ltd. Shahjahanpur (UP)	1
55.	M/s. National Fertilizers Limited Nangal Unit, NayaNangal (Punjab)	10
66.	M/s. IISc Bangalore CV Raman Rd., Bengaluru Pin Code - 560012	1

67.	M/s. ONGC Dehradun	1
68.	M/s. Investosure Private Limited 113/12, Virbhadra Nagar Road Baner Road, Baner Pune - 411045	1
69.	M/s. Oil and Natural Gas Corporation Ltd. Ahmedabad Asset HR-ER Deptt. 5 <sup>th</sup> Floor, AvaniBhawan Chandkheda, Ahmedabad - 380005	1
70.	M/s. Barauni Refinery (IOCL) P.O. Barauni CISF Colony Dist: – Begusarai – 851 114 (Bihar)	1
71.	M/s. Star Paper Mills Paper Mill Road Saharanpur – 247 001	1
72.	M/s. Ambuja Cements Ltd. Suli, Darlaghat Distt. – Solan (HP)	2
73.	M/s. Praspacck Polymers Plot No. 32, Opp. Kitchen Xpress Santej-Vadsar Road, Santej Ta : Kalol Dist. Gandhinagar, Gujarat, Ahmedabad Pin Code – 382 721	1
74.	M/s. Cadila Healthcare Limited Swaraj Majra, Juddi Kalan Post Baddi, Tehsil - Nalagarh Distt. Solan (HP) - 173205	1
75.	M/s. Indoco Remedies Limited Videsh Katha, Tehshil Nalagarh Baddi, Solan – 173205	2
76.	M/s. USV Ltd. Hill Top Near EPIP Jharmajri, Baddi Distt. Solan (HP)	1
77.	The Department of Atomic Energy Atomic Minerals Directorate for Exploration & Research West Block VII, R.K. Puram Northern Region New Delhi - 110666	1
78.	M/s. Hiren A. Gandhi & Associates Memnagar, Ahmedabad - 380052	2
79.	M/s. Didi Contractor Design Consultants	1
80.	The Office of Divisional Town Planner Dharamshala	1
81.	M/s. Livin Systems Consultants Pvt. Ltd. Kalkaji Extension, New Delhi - 110019	1
82.	M/s. Axiom India Saket, New Delhi	1
83.	M/s. Kothari Associates G-65, Connaughy Circus New Delhi - 110001	1

84.	M/s. Kapoor & Associate AD-110 C, Ring Road Shalimar Bagh, New Delhi - 110088	1
85.	M/s. Line Design Forum Jalandhar	1
86.	M/s. NUDES 214, Vasan Udyog Bhavan Opp. High Street Phoenix Lower Parel, Mumbai - 13	1
87.	M/s. Design Dynamics India Pvt. Ltd. Gurgaon	1
88.	The Senior Architect (MZ) HP. PWD. Mandi	1
89.	The Divisional Town Planning Office Dharamshala (HP)	1
90.	M/s. Kakkar Buildwell Engineers and Contractors H.No. 205, Narayan Tewari Dewal Almora – 263601, Uttaranchal	1
91.	The Uppals #44, Sector – 27 Panchkula, Haryana - 134116	3
92.	M/s. Vaastu Consultants S.C.O. 133-135, Sector 17-C Chandigarh - 160017	1
93.	M/s. Total Interiors Solutions Pvt. Ltd. Gurugram, Haryana – 122 002	1
94.	M/s. Rajinder Kumar Associates (RKA) B-6/17 Shopping Centre Safdarjung Enclave New Delhi – 110 029	1
95.	M/s. Sukrit Vastu Architects. Engineers, Builders Opposite Buddhist Monastery (1 <sup>st</sup> Floor) Gompa Road Manali Distt. Kullu (HP)	1
96.	M/s. Studio Architecture Interior Landscape 4-5-A, Shiv Vihar Road Ram Nagar, Dharamshala Kangra Valley (HP) – 176215	1
97.	M/s. 4S Design Studio Architects – Interior Designers – Landscapes 67 – SantIsher Singh Nagar Pakhawal Road Ludhiana - 141002	1
98.	M/s. Vastu Group Sector 40 B Chandigarh, Punjab	1
99.	M/s. Arcop Associates (P) Ltd. A-15, Pamposh Enclave Greater Kailash -1 New Delhi – 110048 India	1

100.	M/s. Eco Vision Construction Consultants Pvt. Ltd. House No. 222, Ward No. 6 Gandhi Nagar, Near Gandhi Chowk Hamirpur (HP) – 177 001	1
101.	M/s. SANRACHNA : BIM & Virtual Building Consultants 303 Best Sky Tower Netaji Subhash Place Putampura, New Delhi - 110034	1
102.	Ar. L.M. Mastana Architect (KZ) HP Public Works Department Dharamshala - 176215	3
103.	The Chief Architect DMRC, Barakhamba Road New Delhi	1
104.	M/s. Pioneer Fabricators (P) Ltd. B/2, Saraswati Industrial Estate Partapur, Meerut - 250103	1
105.	M/s. SPAR Design Studio 23-First Floor, Omaxe Square Jasola District Centre New Delhi, India - 110025	1
106.	Sh. N.K. Negi Architect-in-Chief HP PWD, NirmanBhawan Nigam Vihar, Shimla - 2	2
107.	M/s. Global Alliance for Genomics and Health's Offices Under GSoC - 2018	1
108.	M/s. Public Lab's Offices Under GSoC - 2018	1
109.	M/s. Meta Brainz Foundation Inc.'s Offices Under GSoC - 2018	1
110.	M/s. Adobe Systems	1
111.	M/s. Kochar Infotech Ltd. Nidhi 2, Lawrence Road Amritsar - 143001	1
112.	M/s. Google Summer of Code	1
113.	M/s. Marwadishaadi.com	1
114.	M/s. Red Carpet	1
115.	M/s. C-DAC Jaipur Software IT Park IT -23 Sitapura Industrial Area EPIP, Opposite RIICO Office Near Global Circle Jaipur, Rajasthan - 302022	2
116.	M/s. Snapdeal Jasper Infotech Pvt. Ltd. 246, Ist Floor, Phase 3 Okhla Industrial Area New Delhi – 110020, India	1

117.	M/s. Vaioti Software Pvt. Ltd. B4 Tagore Garden Extn. Delhi - 110027	
118.	M/s. Nuclear Power Corporation of India Limited RawatBhata Rajasthan	4
119.	M/s. Aprtron Solutions Pvt. Ltd. B-19, Old DLF Colony Sector 14, Gurgaon, Haryana - 122001	1
120.	M/s. Maxus IT Office No. 32, 1 <sup>st</sup> Floor Radha Krishna Building Parasi Panchayat Road Andheri (East), Mumbai – 400 069	1
121.	M/s. Smartwiz Technologies F-131, Ground Floor Phase 8-B, Industrial Area Mohali - 160055	5
122.	M/s. Godel Technologies Pvt. Ltd. 231, 2 <sup>nd</sup> Cross, 12 <sup>th</sup> Main Koramangala 4 <sup>th</sup> Block Bangalore – 34, Karnataka	1
123.	M/s. Omnious Solutions, Mohali C-175 (3 <sup>rd</sup> Floor), Phase-8B, Mohali	1
124.	M/s. SLR Infotech Pvt. Ltd. S.C.O. 134-136, 2 <sup>nd</sup> Floor, Sector 34-A Chandigarh - 160022	4
125.	M/s. Nielit Chandigarh C-134, Puncom Building SAS Nagar, Ind. Area Phase – 8, Punjab - 160071	1
126.	M/s. Agritech Private Limited Unit No. 1146-48, IMD Megapolis Sohna Road, Sector 48,, Gurgaon - 122018	1
127.	M/s. Mahaprajna Edu Services Ladnun, Nagaur, Rajasthan - 341306	1
128.	M/s. CSIR – Central Scientific Instruments Organisation CSIO, Ministry of Science & Technology, Govt. of India Sector 30-C, Chandigarh - 160030	1
129.	M/s. Rewire Institute of Computer Science Rewire Media Group 3 <sup>rd</sup> Floor, Velocity Tower D-40 Nehru Colony Dehradun, Uttarakhand	1
130.	M/s. Kyrion Technologies Pvt. Ltd. 1009 Indraprakash Building Bharakhamba Road, Cannaught Place Delhi	1
131.	M/s. I.T. World International Pvt. Ltd. B-8, Super Market, Sultanpur (UP)	1
132.	Dr. Saurabh Kumar Pandey Assistant Professor Electrical Engineering Department Indian Institute of Technology Patna, Bihar - 801103	1

133.	Dr. Sudipto Mukhopadhyay UGRI Nodal Officer, Assistant Professor Department of Mechanical Engineering Indian Institute of Technology Jodhpur Nagaur Road, NH 65, Karwad, Rajasthan - 342037	1
134.	The University of Lille, M3 Avenue Carl Gauss, 59655 Villeneuve d'Ascq CEDEX France	1
135.	M/s. Larsen & Toubro Limited Construction Smart World & Communication Mount Poonamallee Road Manapakkam, P.B. No. 979 Chennai – 600 089	1
136.	M/s. Obsessory Online Services Pvt. Ltd. #1135, 4 <sup>th</sup> Floor, Canara Bank Building 17 <sup>th</sup> Cross Road, Sector 7 Bangalore - 560102	1
137.	M/s. DRDO Delhi	1
138.	The Central Research Laboratory Bharat Electronics Limited Shadabad Ghaziabad Uttar Pradesh - 201010	1
139.	The University of Grenoble Alpes France	1
140.	Prof. Shinsuke MORI Kyoto University Japan	1
141.	Dr. Rajiv Ranjan Sahay Assistant Professor Department of Electrical Engineering IIT Kharagpur	1
142.	The Doordarshan Kendra Ramanthapur Hyderabad – 500012, Telangana	1
143.	M/s. Authentic Engineers Plot No. 341, Sector – 7 IMT Manesar Gurgaon, Haryana - 122050	1
144.	The Centre for Distributive Generation The Energy and Resource Institute New Delhi	1
145.	M/s. Vodafone Mobile Services Limited Mohali, Chandigarh	1
146.	M/s. BSNL, Jaipur	1
147.	The HR Bharat Electronics Limited (BEL) Uttarakhand - 263138	1
148.	The GM B.P. Morya District Telecom, BSNL – Hamirpur (HP)	1

149.	The General Manager Institute of Telecom Technology and Management (A unit of MTNL Delhi) Shadipur Telephone Exchange Building Pandav Nagar, New Delhi - 110008	1
150.	The 510 Army Base Workshop Meerut, Uttar Pradesh	1
151.	The Dept. of Electronics & Comm. Engineering MNNIT Allahabad	1
152.	M/s. NTPC Anta Distt. Baran, Rajasthan	2
153.	M/s. Moschip Semiconductor Technology Ltd. Hyderabad	1
154.	M/s. I-Media Learning Solutions (P) Ltd. 2 <sup>nd</sup> Floor, AditiSamruddhi Building Baner Road, Baner, Pune - 411045	1
155.	M/s. Spotlight Consulting Pune	1
156.	M/s. Bharat Electronics Limited Panchkula	1
157.	M/s. Bharat Heavy Electricals Limited Human Resource Development Centre Haridwar - 249403	5
158.	M/s. Semi Conductor Laboratory Dept. of Space Sector 72, SAS Nagar, 160071	1
159.	M/s. Bharti Airtel Ltd. Plot No. 21 Rajiv Gandhi Technology Park Chandigarh – 150101	1
160.	M/s. Real Time Signals Technologies Pvt. Ltd. Krishna Grand, Over Mathahalli Bridge Bengaluru, Karnataka - 560037	1
161.	Prof. Bernhard Hofko Head of the Lab for Road Materilas Vienna University of Technology (TU Wien) Austria	1
162.	Ms.Pratibha Singh Dy. General Manager (HR) NTPC, Engineering Office Complex Plot No. A-8A, Sector – 24 Post Box No. 13, Noida Pin Code – 201301 (UP)	1
163.	Mr.Sumant Gupta Regional Director – Structures (North & West) AECOM 9/F, Infinity Tower – “C” DLF Cyber City, DLF Phase II Gurgaon, Haryana – 122 002	1
164.	M/s. DLF Samvana Kasauli (HP)	4

165.	M/s. North Central Railway Kanpur Block, Kanpur (UP)	1
166.	Dr.Munish K. Chandel, Ph.D. Associate Professor Centre for Environmental Science and Engineering Indian Institute of Technology, Bombay Powai, Mumbai – 400076, INDIA	1
167.	M/s. Delhi Metro Rail Corporation Ltd. Train Depot, Shastri Park East Approach Road Delhi - 110053	4
168.	The Assistant Engineer B&R Sub Division HPPWD Rohru	1
169.	M/s. BajoliHoli Hydropower Private Limited GMR Group	1
170.	M/s. Lucknow Metro Rail Corporation Limited Administrative Building, Vipin Khand Gomti Nagar, Lucknow - 226010	1
171.	The PWD – Newai Tonk, Rajasthan	1
172.	The Office of the Executive Engineer PWD (R&B) Division Rajouri Government of Jammu & Kashmir	1
173.	Prof. Bernhard Hofko Head of the Lab for Road Materilas Vienna University of Technology (TU Wien) Austria	1
174.	M/s. Lucknow Metro Rail Corporation Limited Administrative Building, Vipin Khand Gomti Nagar, Lucknow - 226010	1
175.	M/s. J&K Projects Construction Corp. Ltd. Anantnag (J&K) - 192101	2
176.	The HP PWD Division Dalhousie, Distt. Chamba Pin Code - 176304	1
177.	The HP PWD Division Hamirpur Distt. Hamirpur	19
178.	M/s. MECON Ltd. Ranchi	2
179.	The Department of Chief Engineer Construction Eastern Railway Jamalpur	1
180.	The PWD Hindaun City Distt. Karauli, Rajasthan Pin Code - 322230	1
181.	The Executive Engineer Construction Division PWD, Dugadda PauriGarhwal Uttarakhand	1

182.	The HP PWD Division Nalagarh Distt. Solan - 174101 (HP)
183.	The HP PWD Hamirpur Division Sub division Sujampur (HP)
184.	M/s. SJVN Ltd. RHPS Bayal, Rampur Bsr., Distt. Shimla (HP)
185.	M/s. Lucknow Metro Rail Corporation Ltd. Administrative Building Vipin Khand, Gomti Nagar, Lucknow- 226010
186.	The PWD Office Jodhpur, Rajasthan - 342001
187.	M/s. SJVN Ltd. Hydropower plant Jhakri
188.	M/s. ITD Cementation India Ltd.
189.	M/s. Larsen & Toubro Limited Construction Water & Effluent Treatment P.B. No. 979, Mount Poonamallee Road Chennai – 600 089
190.	M/s. Jaipur Development Authority JDA, Jaipur
191.	M/s. National Highway Authority of India Jaipur
192.	The HP PWD Killar, Tehsil – Pangi Distt. – Chamba – 176323
193.	The HP PWD Mandi Sub Division No. III, Mandi
194.	The HP PWD Poanta Sahib Sub Division No. II
195.	M/s. SJVN Jhakri
196.	M/s. Indian Oil Corporation Jaipur
197.	M/s. R.D.S.O. Lucknow
198.	M/s. Indian Institute of Remote Sensing (IIRS) ISRO, Department of Space Dehradun
199.	M/s. DLF Homes SCO No. 190-192 Sector – 8 Chandigarh – 160055
200.	The National Highway Division Hamirpur (HP)
201.	M/s. NBCC (India) Limited IIT Works, Kamand Mandi (HP)

202.	M/s. L&T Construction Buildings & Factories IC 14 <sup>th</sup> Floor, E0 Block International Trade Tower Nehru Place, New Delhi - 110019	1
203.	The AGM/HRM IRCON International Limited C-4, District Center, Saket New Delhi - 110017	1
204.	M/s. Chandigarh Central Division CPWD, Sector 7B, Chandigarh	1
205.	The Public Works Department (PWD) Rajgarh, Rajasthan	1
206.	The Training Officer ADRDE Ministry of Defence Agra (UP) - 282001	1
207.	The Chief Project Manager CPWD IIT Ropar Ropar - 140111	1
208.	M/s. Kota Super Thermal Power Plant Barrage Road, National Highway 76 Electricity Board Area, Sakatpura Area Kota Rajasthan - 324008	3
209.	The Manager (H.R.) Mahindra Susten Pvt. Ltd. Technosoft Knowledge Centre 5 <sup>th</sup> Floor, Plot No. B-14, Road No. – 1 Wagle Industrial Estate (Near Mulund Checknaka) Thane West – 400604 (Maharashtra)	1
210.	M/s. SJVN Limited Project Site, NJHPS Jhakri Tehsil – Rampur, Distt.- Shimla (HP)	6
211.	M/s. National Thermal Power Corporation Limited NTPC Koldam P.O. – Jamthal, Distt. – Bilaspur (HP) Pin Code - 174036	1
212.	The Indian Institute of Technology Kanpur	1
213.	M/s. PSPN Synergy Private Limited Village: Sadhara & Haidelpur Tehsil : Kalpi, Dist. – Jalaun (UP) – 285202	5
214.	M/s. Delhi Metro Rail Corporation Ltd. (DMRC) Metro Bhawan, Fire Brigade Lane Barakhamba Road, New Delhi - 110001	5
215.	M/s. Power Grid Corporation of India Ltd. “Saudamini” Plot No. 2 Sector 29, Gurgaon – 122 001	1
216.	M/s. Siemens Ltd. Plot 6A, Tower C, Sector – 18 Maruti Industrial Estate HUDA Gurgaon – 122 015	2

217.	M/s. NHPC Limited Parbati – III Power Station Behali, PO Larji Distt. Kullu (HP) - 175122	7
218.	M/s. Ambuja Cements Ltd. Unit – Rabariyawas Distt. Pali, Rajasthan	1
219.	M/s. Schneider Electric India Pvt. Ltd. 9 <sup>th</sup> Floor DLF Building No. 10 Tower C, DLF Cyber City Phase – II, Gurgaon, Haryana – 122 002	1
220.	M/s. NHPC Limited Baira Siul Power Station P.O. – Surangani Distt. – Chamba - 176317	3
221.	The H.P.S.E.B. Ltd. Anu- Sub station Hamirpur (HP)	7
222.	M/s. Indian Oil Corporation Limited Mathura Refinery, Mathura	1
223.	The Indian Institute of Technology Guwahati Near Doul Gobinda Road, Amingaon North Guwahati, Guwahati, Assam - 781039	1
224.	The Indian Institute of Technology Ropar Nangal Road Rupnagar, Punjab – 140 001	1
225.	The Indian Institute of Technology Gandhinagar Village Palaj, Simkheda Gandhinagar, Gujarat – 382355	1
226.	The Indian Institute of Technology Guwahati Near Doul Gobinda Road, Amingaon North Guwahati, Guwahati, Assam - 781039	1
227.	The 440 kv GSS Heerapur Jaipur, Rajasthan - 303024	6
228.	The Indian Institute of Technology Ropar	1
229.	M/s. SJVN Limited Shanan, P.O. – Sanjauli Distt. Shimla (HP) - 171006	2
230.	M/s. NTPC Limited Badarpur Division Gyan Sarita, New Delhi- 110044	2
231.	M/s. Food Bee Pvt. Ltd.	1
232.	The Himachal Pradesh State Electricity Board Ltd. Larji Hydropower Project Kullu	1
233.	M/s. Jaipur Metro Railway Corporation Khanij Bhavan C – Scheme, Jaipur Pin Code - 302005	4

234.	M/s. SJVN Ltd. Rampur, Shimla	8
235.	The HR Manager Power Grid Corp. of India HVDC Deptt. Saudamini, Plot No. 2, Sec. 29 Gurgaon – 122 001	1
236.	M/s. Havells Electrical Ltd. SP 181/189, Phase – II RIICO Industrial Area Neemrana, Rajasthan, Pin Code - 301705	1
237.	M/s. IOCL Panipat Refinery and Petrochemical Complex Panipat, Haryana - 132140	1
238.	M/s. AevaPvt. Ltd. Knowledge Park II Greater Noida (UP) - 201306	1
239.	M/s. BSES Yamuna Power Ltd. Delhi	1
240.	M/s. PTPS Thermal Plant Panipat, Haryana	2
241.	M/s. HPPC Limited Hatkoti, Distt. Shimla (HP)	1
242.	M/s. Nabha Power Limited (Larsen & Toubro Limited)	1
243.	M/s. HPSEB Ltd. Darini, Shahpur Distt. Kangra (HP)	1
244.	The XEN, HPSEBL Totu, Shimla	1
245.	M/s. Alpla India Pvt. Ltd. Baddi, Distt. Solan (HP)	1
246.	The ES Division HPSEBL Hamirpur (HP)	2
247.	The 220KV GSS Sitapura Jaipur Rajasthan	1
248.	M/s. Flash Electronics India Pvt. Ltd. Plot No. 9, Sector 27 B, Haryana	1
249.	M/s. HMT Machine Tools Limited Machine Tool Division Pinjore, Dist. – Panchkula Haryana	1
250.	M/s. SML Isuzu Limited	1
251.	M/s. SAIL Ranchi Jharkhand - 834002	1
252.	M/s. Tata Motors Ltd. Engineering Research Centre Pimpri – Chinchwad Pune – Maharashtra – 411 018	1

253.	M/s. International Tractors Limited Village ChakGujran P.O. – Piplanwala, Jalandhar Road Hoshiarpur (Pb.) – 146 022	1
254.	M/s. Maruti Suzuki India Limited Old Palam Gurgaon Road Gurgaon – 122015, Haryana	2
255.	M/s. Ashok Leyland Ltd. Pantnagar, Uttarakhand - 263153	1
256.	M/s. GEA Process Engineering (India) Pvt. Ltd. Vodadara, Gujarat	1
257.	M/s. National Engineering Industries Limited (NBC Bearings) Khatipura Road, Jaipur -06	1
258.	M/s. Mahindra & Mahindra Ltd. Swaraj Division Phase – IV, SAS Nagar Mohali, Punjab - 160055	2
259.	M/s. Tata Motors Limited Jamshedpur - 831010	1
260.	M/s. ACE Limited Palwal, Haryana	1
261.	M/s. Tata Motors Limited Chinhat Industrial Area Lucknow	3
262.	M/s. Rajasthan Rajya Vidyut Utpadan Nigam Limited KSTPS, RVUN Kota	3
263.	M/s. GoMechanic 3807 Plot, Stirring Minds SushantLok 1 Sector 28, Gurgaon 122 008	1
264.	M/s. SJVN Project Site Office Jhakri, Dist. Shimla (HP) Pin Code – 172 201	1
265.	M/s. Varroc Engineering Limited L – 6/2, MIDC Waluj Aurangabad – 431136 Maharashtra	1
266.	The Chief Engineer O&M, Dr. NTTPS Ibrahimpatal, Vijaynwada Pin Code – 521 456	4
267.	M/s. Indian Railways Jodhpur, Rajasthan	1
268.	M/s. Tata Motors Jamshedpur, Jharkhand	1
269.	M/s. Suratgarh Super Thermal Power Plant Suratgarh	1
270.	M/s. Dholpur Combined Cycle Power Plant	1
271.	M/s. Maruti Suzuki India Limited Gurgaon Car Plant Gurgaon	2

272.	M/s. TBRL Chandigarh	2
273.	M/s. International Tractors Limited Hoshiarpur (Pb.)	1
274.	M/s. Ashok Leyland Pantnagar, Uttarakhand	2
275.	M/s. Munjal Showa Limited	1
276.	M/s. Raj West Power Ltd. Bhadresh, Barmer Rajasthan	1
277.	M/s. Brakewel Automotive Components India Pvt. Ltd. C-28, Industrial Area Block – C, Sector 57, Noida Uttar Pradesh - 201301	1
278.	M/s. JK Springs (India) 543-R, Sector – 37, Part III Pace City, Udyog Vihar, Ph-VI Gurgaon – 122001 (Haryana)	2
279.	M/s. HPSEB Ltd. Bassi Power House Division Jogindernagar	1
280.	M/s. Urjex Bioler Limited S-25,26 Industrial Area Portupur Distt. Meerut	1
281.	M/s. Bnal Prefabs Pvt. Ltd. Village – Kishanpura Baddi-Nalagarh Road Tehsil – Nalagarh (HP) – 174 001	3
282.	M/s. Bharat Heavy Electricals Limited Bhopal (MP)	1
283.	M/s. Honda Cars India Ltd. SPL – 1, Tapukara Industrial Area Tapukara, Rajasthan - 301707	1
284.	M/s. Intersolar System Pvt. Ltd. Chandigarh	1
285.	M/s. National Thermal Power Corporation Plot No. A-8A, Block A Sector 24, Noida (UP) - 201301	1
286.	M/s. Escorts Limited 18/4 Mathura Road Faridabad - 121007	1
287.	M/s. Continental India Ltd. Manufacturing Plant for Tyres Modipuram Meerut NH-58, Uttar Pradesh - 250110	2
288.	Dr. Bishakh Bhattacharya Professor, Dept. of Mechanical Engineering IIT Kanpur, Kanpur - 208016	1
289.	M/s. Shriram Piston's & Rings Ltd.	1
290.	M/s. Indo Farm Equipments Limited	1
291.	M/s. Research Design & Standard Organisation Manak Nagar, Lucknow – 226 011	4

292.	M/s. Indian Oil Corporation Ltd. Mathura Refinery, Mathura	1
293.	M/s. Syncom Healthcare Limited D-42 UPSIDC Industrial Area Silaqui, Dehradun – 248197 Uttarakhand	1
294.	M/s. Indo Farm Limited Baddi (HP)	1
295.	M/s. Sonalika International Tractors Limited Vill. ChakGurgran P.O. – Piplanwala Jalandhar Road Hoshiarpur, Punjab - 146022	2
296.	M/s. Shanan Power House (Hydro Electric Project) Jogindernagar (HP)	1
297.	The Himachal Road Transportation Corporation (HRTC) Bajjnath (HP)	1
298.	M/s. PHOENIX LAMPS Noida	1
299.	The Assistant Engineer Mechanical S/Division HP PWD Hamirpur	2
300.	The Indian Meteorological Department Lodhi Road, New Delhi - 3	1
301.	M/s. Emmbros Autocomp Ltd. Village – Katha Baddi Distt. Solan Pin code – 173205 (HP)	2
302.	M/s. WPIL Limited	2
303.	The Laser Science & Technology Centre DRDO, Metcalfe House Near Civil Lines, Metro Station & Opp. Trauma Centre Delhi	1
304.	Dr. K. Murali Anna University Chennai	1
305.	Prof. Dr. Stephan Pachnick Kaiserstr. 2, 24143 Kiel Kiel University (CAU) Germany	1
306.	Dr. Michel Beaudouin-Lafon Professor LRI Lab, Bat 650 91405 Orsay CEDEX, France	1
307.	Dr. Nirmal Kumar Sancheti VP-Engineering & Director Allgo Embedded System Banaglore	1

308.	M/s. Reliance Jio Infocomm Ltd. Reliance Corporate IT Park Limited Level 1792, 2 <sup>nd</sup> Floor, Parking Block Modern ISBT Tutikandi Shima (HP) – 171 004	1
309.	M/s. Know-Center GmbH Inffeldgasse 13/6 8010 Graz, Austria	1
310.	Dr. Stefan Schwarz Institute of Telecommunications Gusshausstrasse 25/E 389 A-1040 Wien, TU WIEN Austria	1
311.	Dr. Yatindra Nath Singh Professor Department of Electrical Engineering The Indian Institute of Technology Kanpur Kanpur 208016, India	1
312.	The Indian Institute of Technology Ropar	1
313.	M/s. North Eastern Railways Headquarter Gorakhpur (UP)	1
314.	The Chief Engineer & Technology Head Tech-Tailor Solutions Pvt. Ltd. No. 10, Krishakpura, 7 <sup>th</sup> Cross Koramangla 3 <sup>rd</sup> Block Bangalore - 560034	2
315.	M/s. Bharat Sanchar Nigam Limited Patna, Bihar	1
316.	Mr. Mahesh Rajpurohit Scientist 'G' Project Director MRSAM (Army) Research Center Imarat Hyderabad	1
317.	The 220 kv GSS RVPN Sitapur Jaipur, Rajasthan	1
318.	M/s. Aliyance Future Experience Technologies LLP Pune, Ahmedabad	1
319.	The L'Ecole Polytechnique Route de Saclay 91128 Palaiseau Cedex FRANCE	1
320.	The Authentic Engineers Plot No. 341, Sector – 7 IMT Manesar, Gurgaon Haryana – India - 122050	1
321.	M/s. Mentor Graphics India (Pvt.) Ltd. Building A, Plot 5 Logix Techno Park Sector 127, Noida - 201304	1
322.	The Data Analytics & Machine Design Under EISystems & Technex IIT BHU, Varanasi	1

323.	M/s. Bharat Heavy Electricals Ltd. Haridwar Uttarakhand Pin Code - 249403	2
324.	M/s. Reliance Jio Centre 298/1/13, Sauli Road Mandi (HP) - 175001	2
325.	M/s. Kota Railway Station Kota, Rajasthan Pin Code - 324002	2
326.	M/s. Rajasthan Electronics & Instrumentation Ltd. 2, Meenawala, Sirsi Rd. Vishwakarma, Industrial Area Kanakpura, Jaipur, Rajasthan - 302012	1
327.	M/s. Emerson Information Technology Solutions 3 <sup>rd</sup> Floor, F-3 Tower, Landmark Plaza Plot No. A-40A, Phase – VIII – B Industrial Area, Mohali India	1
328.	M/s. Whirlpool of India Limited 28, NIT Faridabad – 121001 Haryana, India	2
329.	M/s. Bharat Sanchar Nigam Limited O/o the General Manager Telecom Dharamshala, Distt. - Kangra	1
330.	The Regional Telecom Training Centre Bharat Telecom Training Centre Opp. Road No. 15, VKIA Jaipur - 302013	2
331.	Sh. Amit Gupta Asst. Manager Traction (Line-4/KB-NCC-VASI), DMRC	5
332.	M/s. Wipro Limited, Bangalore	1
333.	M/s. Bharat Electronics Limited P.O. Bharat Nagar – 201010 Ghaziabad (UP)	1
334.	M/s. Vcare Technologies Pvt. Ltd. Diro Labs, I-10, Lajpat Nagar – II New Delhi - 110024	1
335.	M/s. Reliance Jio Infocomm Limited Chandigarh	1
336.	M/s. Siemens Ltd. Plot 6A, Sector 18 Maruti Industrial Estate, HUDA Gurgaon – 122 015	1
337.	The Director Indian Oil Corporation Ltd. Nr. Radha Swami Satsang Bhawan Ashok Chowk, Adarsh Nagar, Jaipur	1
338.	M/s. TIMA Laboratoire Grenoble, FRANCE	1
339.	M/s. Indian Railways Kota Railway Station, Kota, Rajasthan	1

340.	M/s. Spatez Technology Thrissur, Kerala	1
341.	M/s. RTTC, BSNL Opp. Road No. 15, VKIA, Jaipur - 302013	1
342.	M/s. Jaipur Metro Railway Corporation, Jaipur	1
343.	The PGM BSNL Office, Sector 34 A, Chandigarh	1
344.	M/s. Reliance Jio Infocomm Limited, Shimla	1
345.	M/s. Bharat Sanchar Nigam Limited Hamirpur (HP), National Highway – 70, Pratap Nagar Hamirpur (HP)	1
346.	M/s. DRDL, ASL KanchanBagh, Hyderabad	1
347.	M/s. BSNL Kullu TDM Office, Telephone Exchange Building Dhalpur, Kullu - 175101	2
348.	M/s. Netmax Technologies Pvt. Ltd. Sector 34-A, Chandigarh	1
349.	M/s. BSNL Kali Mata Mandir Road, Guru Nanak Nagar Pathankot (Punjab)	1
350.	M/s. Jupiter Solar Power Limited Village – Katha, P.O. & Tehsil Baddi District – Solan (HP) - 173205	1
351.	M/s. Reliance Jio Infocomm Limited, Sundernagar	3
352.	M/s. Quanint Tech Soft Pvt. Limited	1
353.	M/s. BSNL Chilgari, Dharmshala, Dist. Kangra	1
354.	M/s. Samsung India Electronics Pvt. Limited, Noida	1
355.	M/s. Advanced Level Telecon Training Center (ALTTC) Kamla Nehru Nagar, Ghaziabad (UP) - 201002	3
356.	Dr. Rohit Dhiman Assistant Professor Dept. of Electronics & Communication Engg. NIT Hamirpur (HP)	1
357.	M/s. BSNL MSC CTO Building The Mall, Shimla	1
358.	M/s. Bharat Electronics Limited Site IV, Sahibabad Industrial Area Bharat Nagar, Ghaziabad (UP) - 201010	1
359.	The GM Office BSNL, Allalpatti Road Darbhanga, Bihar - 846004	1
360.	M/s. Triumphant Robotics with Eminent Embedded Systems Pvt. Ltd. 1, F/F, GDA Market, Katori Mill Mohan Nagar, Ghaziabad – 201 007	1
361.	M/s. Bharat Sanchar Nigam Limited, Hamirpur (HP)	2
362.	M/s. Bharat Heavy Electronics Limited, BHEL, Haridwar	2

363.	M/s. Bharat Heavy Electronics Limited G M Colony, Bhel Township, Haridwar Uttarakhand – 249 403	1
364.	M/s. Bharat Electronics Limited (BEL) Plot No. – 405, Industrial Area Phase – III, Panchkula – 134113, Haryana	2
365.	M/s. Bharat Sanchar Nigam Limited Dharamshala, Distt. Kangra (HP)	1
366.	M/s. Siemens Ltd. Plot 6A, Sector 18, Maruti Industrial Estate, HUDA Gurgoan – 122 015	2
367.	M/s. Campus Haat Solutions Pvt. Ltd. E-106/VH-Extension, IIT Kanpur - 208016	1
368.	M/s. Bharat Sanchar Nigam Limited o/o The General Manager Telecom Dharamshala, Distt. Kangra	1
369.	M/s. Czech Aviation Training Centre India Pvt. Ltd., Delhi	1
370.	Office of the General Manager Telecom District Hamirpur BSNL Bhawan, Bhotachowk Hamirpur (HP) 177 001	1
371.	The Chief Engineering & Technology Head AMRITHA TOOL CRAFTS LTD. Cherlapally, Hyderabad	3

### Placement for 2017 - 2018

#### B.Tech. 2018 Batch

2018 (Total 60 Nos. of organizations in which students have been placed during the year 2017-18)					
Sr. No.	Discipline	Eligible/ Appeared Candidates	Placed	Total Job Offers	Percentage of placement
1	Electronics & Comm. Engg.	74	68	95	90.54 %
2	Computer Science & Engg.	76	66	90	86.84 %
3	Electrical Engg.	70	56	69	80.00 %
4	Mechanical Engg.	68	53	59	77.94 %
5	Civil Engg.	60	38	39	63.33 %
6	Chemical Engg.	44	26	29	59.09 %
<b>Total</b>		<b>392</b>	<b>307</b>	<b>381</b>	<b>78.31 %</b>

#### B.Arch. 2018 Batch

2018 (Total 1 No. of organization in which students have been placed during the year 2017-18)					
	Discipline	Eligible/ Appeared Candidates	Placed	Total Job Offers	Percentage of placement
1	Architecture	43	02	02	-

**M.Tech./M.Arch 2018 Batch**

<b>2018 (Total 14 Nos. of organizations in which students have been placed during the year 2017-18)</b>					
<b>Sr. No.</b>	<b>Discipline</b>	<b>Eligible/ Appeared Candidates</b>	<b>Placed</b>	<b>Total Job Offers</b>	<b>Percentage of placement</b>
1	Geotechnical Engg.	08	-	-	
2	Structure Engg.	09	1	1	
3	Transportation Systems Engg.	09	5	6	
4	Water Resource Engg.	06	-	-	
5	THERMAL ENGG. (MECH. ENGG.)	08	-	-	
6	(CAD-CAM) (ME)	11	2	2	
7	Power Systems (EE)	06	2	2	
8	Signal Processing & Control (EE)	10	3	3	
9	Condition Monitoring, Protection & Control of Electrical Apparatus (EEE)	12	-	-	
10	VLSI Design & Automation Techniques (ECE)	08	1	1	
11	Comm. Systems & Networks (ECE)	09	1	1	
12	Comp.Sc. & Engg.	12	5	6	
13	Mobile Computing	06	4	4	
14	Energy Technology	08	-	-	
15	Environmental Engg.	11	-	-	
16	Material Sc. & Engg.	11	2	2	
17	Architecture	09	-	-	
18	Chemical Technology	02	-	-	
<b>Total</b>		<b>155</b>	<b>26</b>	<b>28</b>	<b>16.77%</b>

**MBA 2018 Batch**

<b>2018 (Total 03 Nos. of organizations in which students have been placed during the year 2017-18)</b>					
	<b>Discipline</b>	<b>Eligible/ Appeared Candidates</b>	<b>Placed</b>	<b>Total Job Offers</b>	<b>Percentage of placement</b>
1	Master of Business Administration	13	6	7	46.15%
<b>Total</b>		<b>13</b>	<b>6</b>	<b>7</b>	<b>46.15%</b>

## NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (HP)

### 5.2 CAMPUS PLACEMENT RECORD OF B.TECH. / B.ARCH. / M.TECH./MBA

YEAR : 2017 – 2018

(B.Tech.)

Sr. No.	Name of Organisation	Disc.ofEngg considered	App.Pay Pac. (Rs. Lakhs per annul	Students Selected						Total
				E&CE	CSE	EEE	ME	CE	Chemical	
1.	United Health Group (UHG)	CSE	10.54	-	3	-	-	-	-	03
2.	Jugnoo Pvt. Ltd.	CSE	22.0	-	2	-	-	-	-	02
3.	Wipro Pvt. Ltd.	CSE/EEE/E&CE/Chemical	6.0	5	4	1	-	-	1	11
4.	Grey-B Research Pvt.Ltd.	EEE/E&CE	5.20	1	-	1	-	-	-	02
5.	Yodlee.com	CSE	8.70	-	1	-	-	-	-	01
6.	Larsen & Toubro Ltd.	E&CE/EEE/ME	4.87	1	-	6	5	-	-	12
7.	Honda R&D India Pvt. Ltd.	ME	9.85	-	-	-	1	-	-	01
8.	Ittiam Systems Pvt. Ltd.	CSE	9.35	-	1	-	-	-	-	01
9.	Oceaneering Services Ltd.	ME	6.11	-	-	-	3	-	-	03
10.	L&T Construction Ltd.	CE/EEE	5.11	-	1	23	9	30	-	63
11.	Robert Bosch (RBEL)	CSE/EEE/E&CE	4.0	8	2	2	-	-	-	12
12.	Analytics Quotients Pvt. Ltd.	E&CE/ME	5.50	4	-	-	1	-	-	05
13.	Samsung R&D Institute India	CSE	14.0	-	2	-	-	-	-	02
14.	Technip India Ltd.	ME/CE	5.16	-	-	-	4	1	-	05
15.	Maruti-Suzuki India Ltd.	ME	6.40	-	-	-	4	-	-	04
16.	Global Logic India Pvt. Ltd.	CSE	4.50	-	3	-	-	-	-	03
17.	JP Morgan Chase & Co.	CSE	11.52	-	2	-	-	-	-	02
18.	Playbuff – Chandigarh Entity of Octro Inc.	CSE	4.30	-	5	-	-	-	-	05
19.	Infozech Software Pvt. Ltd.	CSE	4.25	-	1	-	-	-	-	01
20.	Bloomberg LP, UK	CSE	<b>62.50</b>	-	1	-	-	-	-	01
21.	Anglo-Eastern Ship Management	ME	35.0	-	-	-	6	-	-	06
22.	Capgemini India Pvt. Ltd.	CSE/E&CE/Chemical/ME/CE	6.0	7	8	-	1	1	2	19
23.	EbizonNetinfo Pvt. Ltd.	E&CE	7.0	1	-	-	-	-	-	01
24.	First American India Pvt. Ltd.	CSE/E&CE	7.0/6.5	2	1	-	-	-	-	03
25.	IBM India Pvt. Ltd.	E&CE/EEE/CSE	3.75	13	1	4	-	-	-	18
26.	Infosys Limited	ME/CE/EEE/E&CE/CSE/Chemical	3.25	11	12	9	9	1	9	51
27.	KPIT Technologies Ltd.	E&CE	4.50	6	-	-	-	-	-	06
28.	Virtusa India	CSE	5.0	-	1	-	-	-	-	01
29.	UTC, United Technologies	E&CE/CSE	6.20	2	2	-	-	-	-	04
30.	Larsen & Toubro Infotech Ltd.	CSE/E&CE/EEE	4.20	7	7	1	-	-	1	16
31.	Oracle India Pvt. Ltd.	CSE/E&CE/ME/EEE	6.17/5.19	5	11	1	1	-	-	18
32.	Tata Power Delhi Distrinbution Ltd.	EEE	4.71	-	-	7	-	-	-	07
33.	Isgec Heavy Engineering Ltd.	ME	5.50	-	-	-	2	-	-	02
34.	Reliance Industries Limited	Chemical	5.50	3	2	1	-	-	6	12
35.	HSBC Technologies Infia	CSE	7.00	-	1	-	-	-	-	01
36.	Newgen Software Tech. Ltd.	CSE	6.25	-	6	-	-	-	-	06
37.	Mother Sumi Infotech & Designs Limited, Noida	E&CE/CSE	5.00	2	1	-	-	-	-	03

38.	ZS Associates Pvt. Ltd.	E&CE	6.25	1	-	-	-	-	-	01
39.	Uflex Limited	Chemical/ME	3.75	-	-	-	1	-	4	05
40.	KEC International Ltd.	EEE	4.75	-	-	3	-	-	-	03
41.	Hindustan Zinc Ltd. (Vedanta)	Chemical/ME	7.95	-	-	-	2	-	2	04
42.	Subros Ltd.	ME	4.0	-	-	-	6	-	-	06
43.	Samsung R&D India, Noida	CSE	8.88	-	1	-	-	-	-	01
44.	Reliance Jio Infocomm Ltd.	E&CE/CSE	4.50	2	3	-	-	-	-	05
45.	Accenture Solutions Pvt. Ltd.	E&CE/CSE/EEE	8.67	6	1	1	-	-	-	08
46.	Orient-Electric-A CK Birla Group Company	EEE/ME	5.40	-	-	3	1	-	-	04
47.	Godrej & Boyce Mfg. Co. Ltd.	ME	5.50	-	-	-	2	-	-	02
48.	Cognizant Tech. Solution	E&CE	6.66	2	-	-	-	-	-	02
49.	Afcons Infrastructure Ltd.	CE	4.80	-	-	-	-	5	-	05
50.	HPCL-Mittal Energy Ltd. (HMEL)	Chemical	6.00	-	-	-	-	-	3	03
51.	Smart School Education Pvt. Ltd.	CSE/E&CE/CE	4.50	2	1	-	-	1	-	04
52.	JCB India Limited	ME/EEE	4.20	-	-	1	1	-	-	02
53.	Zalando	CSE	40.0	-	1	-	-	-	-	01
54.	Icuerious Research Services	E&CE	4.0	2	-	-	-	-	-	02
55.	Guiding Star Digital Pub. LLP	CSE	3.60	-	1	-	-	-	-	01
56.	Hindustan Wellness Pvt. Ltd.	EEE	4.00	-	-	1	-	-	-	01
57.	Logic Fruit Technologies Ltd.	CSE/E&CE	7.50	1	1	-	-	-	-	02
58.	Spinks Worlds	EEE/E&CE	3.50	1	-	2	-	-	-	03
59.	Avaada Group	EEE	5.00	-	-	2	-	-	-	02
60.	Anee's Group of Schools	Chemical	6.0	-	-	-	-	-	1	01
		Total		95	90	69	59	39	29	381

**B.Arch. 2018 batch**

Sr. No	Name of Organisation	App. Pay Pac. (Rs. Lakhs per annum)	B.Arch.	Total
1.	L&T Construction Ltd.	5.11	02	02
	Total			02

**M.Tech. 2018 batch**

Sr. No	Name of Organization	Disc.ofEngg considered	App.Pay Pac. (Rs. Lakhs per annum)	Students Selected								Total
				EC E	CSE	EE	ME	CE	Mat. Sc.	Ar ch	Ener gy	
1	Infoztech Software Pvt. Ltd.	CSE	4.25	-	1	-	-	-	-	-	-	01
2	Capgemini Pvt. Ltd.	CSE	6.0	-	2	-	-	-	-	-	-	02
3.	Infosys Limited	EE/ME	3.50	-	-	4	1	-	-	-	-	05
4.	Oracle India Pvt. Ltd.	CSE	5.19	-	1	-	-	-	-	-	-	01
5.	Mentor Graphics (India) Pvt. Ltd.	E&CE	16.25	1	-	-	-	-	-	-	-	01
6.	MIND-Infotech Ltd.	CSE	5.00	-	1	-	-	-	-	-	-	01
7.	Wipro Ltd.	CSE	6.00	-	1	-	-	-	-	-	-	01

8.	WSP Consultant Pvt. Ltd.	CE	4.40	-	-	-	-	1	-	-	-	01
9.	iNurtureEdu. Solutions Pvt. Ltd.	CSE	4.20	-	2	-	-	-	-	-	-	02
10.	Smart School Edu. Ltd.	CE	4.50	-	-	-	-	1	-	-	-	01
11.	SYSTRA Group	CE	4.20	-	-	-	-	3	-	-	-	03
12.	Spinks Worlds	CSE/ME/EE /Mat.Sc.	3.00/3.50/4.00	-	1	1	1	-	2	-	-	05
13.	Dolcera ITES (p) Ltd.	E&CE	5.50	1	-	-	-	-	-	-	-	01
14.	TMU Moradabad	CE/CSE	4.80	-	1	-	-	2	-	-	-	03
		Total		02	10	05	02	07	02	0	0	28

**MBA 2018 batch**

Sr. No	Name of Organisation	App. Pay Pac. (Rs. Lakhs per annum)	MBA	Total
1.	Talent4Assure Assesment Services Pvt. Ltd.	3.60	05	05
2.	Smart School Education Pvt. Ltd.	4.50	01	01
3.	Afcons Infrastructure Ltd.	6.00	01	01
		Total		07

**Total Nos. of organizations in which students placed from UG = 60 Nos.**

**Highest Package offered = Rs. 62.50 Lacs PA**  
**Lowest package offered = Rs. 3.25LacsPA**  
**Average package offered = Rs. 5.91Lacs PA**

**Total Nos. of organizations in which students placed from PG = 14 Nos.**

**Highest Package offered = Rs. 16.25 Lacs PA**  
**Lowest package offered = Rs. 3.50 Lacs PA**  
**Average package offered = Rs. 4.85 Lacs PA**

**Branch wise B.Tech students:**

Branch	Highest Package offered	Lowest Package Offered	Average package offered
<b>Civil Engg.</b>	<b>Rs. 6.00 Lacs</b>	<b>Rs. 3.25Lacs</b>	<b>5.03 Lacs</b>
<b>Electrical Engg.</b>	<b>Rs. 8.67 Lacs</b>	<b>Rs. 3.25Lacs</b>	<b>4.68 Lacs</b>
<b>Mechanical Engg.</b>	<b>Rs. 35.0 Lacs</b>	<b>Rs. 3.25Lacs</b>	<b>8.08 Lacs</b>
<b>Electronics &amp; Comm. Engg.</b>	<b>Rs. 8.67 Lacs</b>	<b>Rs. 3.25Lacs</b>	<b>5.01 Lacs</b>
<b>Computer Science &amp;Engg.</b>	<b>Rs. 62.50 Lacs</b>	<b>Rs. 3.25Lacs</b>	<b>7.14Lacs</b>
<b>Chemical Engg.</b>	<b>Rs. 7.95 Lacs</b>	<b>Rs. 3.25Lacs</b>	<b>4.80 Lacs</b>

### 5.3 Scholarships/Assistance ship:

**Scholarship disbursed to the students (UG, PG & Ph.D) of NIT Hamirpur under various scholarship schemes during the year 2017-18 (w.e.f. April, 2017 to March, 2018) as per detail given below:**

S.No.	Name of the Scholarship	Name of source from where scholarship funds/grant received	Scholarship amount	No. of students got S/ship	Remarks
1	ACC -Scholarship	ACC Ltd. Galgal Cement Works Barmana, Bilaspur (HP)	36000	3	Rs. 6,000/- each -per semester (i.e. Rs. 12,000/- for both semester)- account payee (paid directly student's a/c)
2	Andhra Pradesh Intermediate Board Scholarship	Govt. of Andhra Pradesh	10000	1	Rs. 10,000/- p.a.
3	CBSE Scholarship	Central Board of School Education	10000	1	Rs. 10,000/- p.a.
4	CSSS for College & University Students	Deptt.of Higher Education, GoI	310000	31	in r/o 2015, 2016 & 2017 batches students
5	Department of Post Office, GoI (S/ship to Wards)	Department of Post Office, GoI	4860	1	Rs. 4,860/- p.a.
6	Post Matric S/ship, Bihar	Directorate of Bihar Govt.	301780	3	in r/o 2012, 2014 & 2015 batches students
7	FAEA -Scholarship	FAEA Scholarship (BHEL-3)C-25 Qutab Institutional Area, New Delhi-110 016	60000	1	in r/o 2014-15 batch student
8	GHS Scholarship	Guru Harkrishan Society (Regd), Chandigarh	6000	1	in r/o 2014-15 batch student
9	HPBOSE (MHRD) S/ship	Secretary H.P. Education Board Dharamsala (HP)	156000	13	All batches Renewal and Fresh Scholarship
10	HPBOSE S/ship	Secretary H.P. Education Board Dharamsala (HP)	20000	2	All batches Renewal and Fresh Scholarship
11	MHRD, GoI	J&KPMSS, AICTE, New Delhi	818500	4	in r/o 2015-16 & 2016-17 batches students
12	Merit-cum-Means for Prof. & Tech. Courses CS	Ministry of Minority Affairs, GoI	492666	17	in r/o 2013, 2014, 2015 & 2016 batches students
13	Merit-cum-Means Scholarship	Govt. of India, MHRD, New Dehli	38600	1	Rs. 38,600/- renewal (full s/ship) for 2013-2014 batch student
			6918400	94	Rs. 73,600/- renewal (full s/ship) for 2014-15 batch students
			261800	7	Rs. 37,400/-renewal (token s/ship) for 2014-15 batch students
			883200	12	Rs. 73,600/- fresh (full s/ship) for 2014-15 batch students
			74800	2	Rs. 37,400/-fresh (token s/ship) for 2014-15 batch students
			5152000	70	Rs. 73,600/- renewal (full s/ship) for 2015-16 batch students
			486200	13	Rs. 37,400/-renewal (token s/ship) for 2015-16 batch students
			1398400	19	Rs. 73,600/- fresh (full s/ship) for 2015-16 batch students
261800	7	Rs. 37,400/-fresh (token s/ship) for 2015-16 batch students			

14	Mukhya Mantri Medhavi Yojana	Govt. of Madhya Pradesh	108500	2	in r/o 2017-18 batch students
15	Mukhya Mantri Sarvjan Uchha Shiksha Ch.(Rajasthan)	Govt. of Rajasthan	88350	2	in r/o 2013 & 2014 batches students
16	NHFDC- Scholarship for <u>Physically Handicapped students</u>	National Handicapped Finance & Dev. Corporation (Min. SJ&E,GOI) Red Cross Bhawan Faridabad	287000	7	2015 & 2016 batches students (paid directly student's a/c)
17	NTPC S/ship for SC students	NTPC Bhawan, SCOPE Complex, 7, Institutional Area, Lodhi Road, New Delhi	96000	2	Rs. 48000/- each for 2014-15 batch students
18	ONGC S/ship	ONGC-Academy Dehradun Uttarakhand	96000	2	2014 & 2015 batches students (paid directly student's a/c)
19	Post Matric S/ship, UP	Govt. of UP, Welfare Department	181800	3	Directly paid to students' account for the batches 2016 & 2017
20	Post Matric S/ship, Rajasthan	Govt. of Rajasthan, Welfare Department	391550	6	in r/o 2013, 2014 & 2015 batches students
21	PMS for students with Disabilities	Govt. of India	154600	4	in r/o 2014 & 2016 batches students
22	PMS schemes for Minorities CS	Ministry of Minority Affairs, GoI	23600	3	in r/o 2014, 2015 & 2016 batches students
23	Post Matric S/ship, Telangana	Telangana Govt.	90150	1	Directly paid to student account for the batch 2014-15
24	PMS scheme for OBC	Govt. of Himachal Pradesh	1533300	22	Directly paid to students' account for the batches 2012, 2013, 2014 & 2015
25	PMS scheme for SC	Govt. of Himachal Pradesh	1330300	19	Directly paid to students' account for the batches 2011, 2012, 2013, 2014 & 2015
26	PMSS (KSB)	Kendriya Sainik Board	24000	1	Directly paid to student account for the batch 2016-17
27	PMSS for Central Armed Police and Assam Rifles	WARB, Ministry of Home Affairs, GoI	27000	1	Directly paid to student account for the batch 2016-17
28	PMSS under LSDM Workers Welfare Fund	Ministry of Labour & Employment, GoI	15000	1	Directly paid to student account for the batch 2014-15
29	Departmental Scholarship	BSNL	7200	1	In r/o 2015-16 batch student (dependent of BSNL Employee).
		Rajasthan School Education Board	7500	1	In r/o 2014-15 batch student (Teachers' Ward S/ship)
		Indian Air Force Benevolent Association	15000	1	2015-16 batch student
30	Reliance Foundation Scholarship	Reliance Foundation	25606	1	2017-18 batch student
31	Samsung Star Scholarship	Samsung India Pvt. Ltd.	376000	2	2016-17 batch students (directly paid student's a/c)
32	SJVN-Silver Jubilee Merit S/Ship	Himachal Consultancy Organisation Ltd., 1st Floor, Shree Niketan, Lower Panthaghathi, Shimla.	48000	2	( 2015-16 to 2016-17 batch students) -paid directly student's a/c
			792000	33	Fresh for 1st year 2017-18 batch students.

33	Central Sector Scholarship " <b>Top Class Education</b> " for SC- Category Students (Top-12)	GOI, Ministry of Social Justice & Empowerment, New Delhi	248700	3	Renewal for 2012-13 batch students
			251700	3	Renewal for 2013-14 batch students
			711955	6	Renewal for 2014-15 batch students
			1393760	9	Fresh for 1st year 2015-16 batch students.
34	Central Sector Scholarship " <b>Top Class Education</b> " for ST -Category Students (now National Fellowship & Scholarship for Higher Education of ST students)	GOI, Ministry of Tribal Affairs, New Delhi	1212111	13	Fresh+ Renewal for 2015-16 batch students
			296818	4	Fresh +Renewal for 2016-17 batch students
			673410	9	Fresh for 2017-18 batch students
35	UGC Scholarship for North Eastern Region	UGC, GoI, New Delhi	70200	1	in r/o 2014-15 batch student for the year 2016-17
36	M.Tech. Stipend (for GATE qualified students)	Govt. of India MHRD, New Delhi	52448503	407	Rs. 12400/- each PM for 2016-18 & 2017-19 batch students (as per actual presence)
37	Financial Assistance to Ph.D Scholars.	Govt. of India MHRD, New Delhi	15515449	63	Rs. 25,000/- each per month & Rs. 28,000 PM after two years + HRA @10%
		Govt. of India MHRD, New Delhi (Under TEQIP-II Grant)	4275420	13	Rs. 25,000/- each per month & Rs. 28,000 PM after two years + HRA @10%
		Deity Scholarship (Visvesvaraya Ph.D Scheme for Electronics & IT)	3664747	9	Rs. 31,500/- each per month & Rs. 35,000 PM after two years + HRA @10%
<b>TOTAL:</b>			<b>104182235</b>	<b>960</b>	

## 6.0 THE BOG, FC & OTHER COMMITTEES

### 6.1 BOARD OF GOVERNORS:

The Board of Governors present incumbents are:

Sr. No.	Name & address	Designation
1	<b>Shri Senapathy (Kris) Gopalakrishnan</b> Ex-Executive Vice-Chairman (Infosys) R/o 855, 13 <sup>th</sup> Main, 3 <sup>rd</sup> Block, Koramangala Bangalore-560 034 (Karnataka).	<b>Chairperson</b>
2	Director NIT, Hamirpur (HP)	(Ex- officio) <b>Member</b>
3	Additional Secretary / Joint Secretary (TE) Department of Higher Education Government of India, Ministry of HRD Shastri Bhawan, New Delhi	<b>Member</b> (MHRD Nominee)
4	Financial Adviser Department of Higher Education Government of India, Ministry of HRD Shastri Bhawan, New Delhi—110 015	<b>Member</b> (MHRD Nominee)
5	Principal Secretary (TE) To the Government of H.P. Armsdale Building, H.P. Secretariat Shimla—171 002 (H.P.)	<b>Member</b> (H.P. Govt. Nominee)
6	Director (Technical Education) Industrial and Vocational Training Sundernagar, District Mandi, (HP)-174 401	<b>Member</b> (H.P. Govt. Nominee)
7	Dr. Rajender Modgil Professor Deptt. of Physics, Kurukshetra University, Kurukshetra.	<b>Member</b>
8	Ms. Shakuntala Iyer Director of Shanders Group R/o 2505, Ground Floor, 14th Main, 2nd Stage, Kumaraswamy Layout, Bengaluru - 560075	<b>Member</b>
9	Dr. R. K. Sharma Professor Civil Engineering Department NIT, Hamirpur (HP)	<b>Member</b> (Senate Nominee)
10	Dr. Pamita Awasthi Associate Professor Department of Chemistry NIT, Hamirpur (HP)	<b>Member</b> (Senate Nominee)
11	Director Indian Institute of Technology, Mandi (Himachal Pradesh ) on his nominee not below the rank of Professor	<b>Member</b> (Zonal IIT Nominee)

12	Prof. Sushil Chauhan Registrar NIT, Hamirpur (H.P.)	<b>Secretary</b>
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## 6.2 FINANCE COMMITTEE

The Finance Committee present incumbents are:

Sr. No.	Name & address	Designation
1	<b>Shri Senapathy (Kris) Gopalakrishnan</b> Ex-Executive Vice-Chairman (Infosys) R/o 855, 13 <sup>th</sup> Main, 3 <sup>rd</sup> Block, Koramangala Bangalore-560 034 (Karnataka).	<b>Chairperson</b>
2	Director NIT, Hamirpur (HP)	(Ex- officio) <b>Member</b>
3	Joint Secretary (NITs) Department of Higher Education Government of India, Ministry of HRD Shastri Bhawan, New Delhi	<b>Member</b> (MHRD Nominee)
4	Financial Adviser Department of Higher Education Government of India, Ministry of HRD Shastri Bhawan, New Delhi—110 015	<b>Member</b> (MHRD Nominee)
5	Ms. Shakuntala Iyer Director of Shanders Group R/o 2505, Ground Floor, 14th Main, 2nd Stage, Kumaraswamy Layout, Bengaluru - 560075	<b>Member</b>
6	Dr. R. K. Sharma Professor Civil Engineering Department NIT, Hamirpur (HP)	<b>Member</b> (Senate Nominee)
7	Director Indian Institute of Technology, Mandi (Himachal Pradesh ) on his nominee not below the rank of Professor	<b>Member</b> (Zonal IIT Nominee)
8	Prof. Sushil Chauhan Registrar NIT, Hamirpur (H.P.)	<b>Secretary</b>

**6.3 BUILDING & WORKS COMMITTEE**

The Buildings & Works Committee present incumbents are:

<b>Sr. No.</b>	<b>Name &amp; address</b>	<b>Designation</b>
1	Director NIT, Hamirpur (H.P.)	Chairman
2	Director (T) Government of India Ministry of HRD, Department of Higher Education New Delhi—110 001	Member
3	Superintending Engineer (Electrical) Chandigarh Central Electrical Circle CPWD, Sector-9A, Chandigarh-160 009	Member
4	Dr. A.K. Tripathi Director Ministry of New & Renewable Energy Sources B-14, CGO Complex, Lodhi Road New Delhi—110 003	Member
5	Superintending Engineer 8 <sup>th</sup> Circle, HP PWD, Hamirpur (H.P.)	Member
6	Director (IFD) Ministry of HRD, Government of India Department of Higher Education Shastri Bhawan, New Delhi	Member
7	Dean (P&D) National Institute of Technology Hamirpur (H.P.)	Member
8	Superintending Engineer PWD (Electrical Wing) Dharamshala (HP)	Member
9	Director Department of Technical Education Vocational and Industrial Training Sundernagar, Distt. Mandi (HP)	Member
10	Superintending Engineer ( Civil) CPWD Kennedy Cottage Shimla-4	Member
11	Registrar NIT, Hamirpur (H.P.)	Member Secretary

**6.4 THE SENATE**

- |     |  |                 |
|-----|--|-----------------|
| a)  | The Director, ex-officio   | Chairman        |
| b)  | The Dy. Director, ex-officio   | Member-(vacant) |
| c)  | Professors appointed or recognized as such by the Institute for imparting instructions in the Institute.                         |                 |
| 1.  | Prof. (Ms.) Geetam Tiwari,<br>Department of Civil Engineering,<br>Indian Institute of Technology,<br>Hauz Kha, New Delhi-110016. | External Member |
| 2.  | Prof. Abhishek Nirjar,<br>B-10, Qutab Institutional Area,<br>New Delhi-110016  | External Member |
| 3.  | Prof. Suneel Kumar Shrivastava ,<br>Professor, Department of Chemistry,<br>Indian Institute of Technology,<br>Kharagpur-721302.  | External Member |
| 4.  | Prof. O.N. Mohanty,<br>Plot 200 Unit3, Kharavela Nagar,<br>Bhubaneswar-751001.   | External Member |
| 5.  | Prof. P.K. Chande, B-36 HIG Colony,<br>A.B. Road, Indore-452008.   | External Member |
| 6.  | Prof. Anil Kumar Dixit,<br>Prof. & Head, CEEE,<br>IIT, Bombay Powai, Mumbai-400076   | External Member |
| 7.  | Dr. Virender Kumar Sarada<br>Prof. CED,<br>NIT, Hamirpur(HP)   | Member          |
| 8.  | Dr. Y.R. Sood,<br>Prof. EED,<br>NIT, Hamirpur (HP).  | Member          |
| 9.  | Dr. A. S. Singha,<br>Prof. in Chemistry<br>NIT, Hamirpur (HP).   | Member          |
| 10. | Dr. Sunand Kumar,<br>Prof. MED,<br>NIT, Hamirpur (HP).   | Member          |
| 11. | Dr. R.K. Sharma,<br>Prof. CED,<br>NIT, Hamirpur (HP).  | Member          |
| 12. | Dr. Anoop Kumar,<br>Prof. in MED,<br>NIT, Hamirpur (HP).   | Member          |

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13.	Dr. Vinod Kapoor, Prof. E&CED, NIT, Hamirpur.	Member
14.	Dr. Sushil Chauhan, Prof. EED, NIT, Hamirpur.	Member
15.	Dr. Minakshi Jain, Prof. in Architecture, NIT, Hamirpur (HP).	Member
16.	Dr. N.S. Thakur, Prof. Energy & Environment Engg., NIT, Hamirpur.	Member
17.	Dr. S.S. Chandel, Prof. Energy & Environment Engg., NIT, Hamirpur (HP).	Member
18.	Dr. R.N. Sharma, Prof. EED, NIT, Hamirpur (HP).	Member
19.	Dr. Raman Parti, Prof. CED, NIT, Hamirpur (HP).	Member
20.	Dr. Piar Chand, Prof. Humanities & Social Science, NIT, Hamirpur (HP).	Member
21.	Dr. Y. D. Sharma, Prof. in Mathematics. NIT, Hamirpur.	Member
22.	Prof. Sunil, Deptt. of Mathematics, NIT, Hamirpur H.P.	Member
23.	Dr. R.K.Dutta, Prof., CED, NIT, Hamirpur(HP).	Member
24.	Dr. Ashwani Chandel Prof. EED NIT Hamirpur	Member
25.	Dr. Bhanu Marwaha, Prof. Architecture Deptt., NIT, Hamirpur(HP).	Member

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26.	Dr. Rajeevan Chandel, Prof. E&CED. NIT Hamirpur	Member
27.	Dr. Ravinder Nath Sharma, Chairman, SPGC NIT,Hamirpur	Special Invitee
28.	Dr. Ashwani Kumar Chairman, SUGC NIT Hamirpur	Special Invitee
29.	Sh. Desh Raj Rana Head, E&CED NIT, Hamirpur H.P.	Special Invitee
30.	Dr. I.P. Singh Head, Arch. Deptt., NIT Hamirpur H.P.	Special Invitee
31.	Dr. S.S. Katoch, Head, CEEE NIT, Hamirpur (HP).	Special Invitee
32.	Dr. Pardeep Kumar Head, CED, NIT,Hamirpur.	Special Invitee
33.	Dr. Narottam Chand Head, CSED, NIT, Hamirpur(HP).	Special Invitee
34.	Dr. Kuldeep Kumar Sharma Head, Physics Deptt. NIT, Hamirpur(HP).	Special Invitee
35.	Dr. Pamita Awasthi Head, Chemistry Deptt., NIT Hamirpur	Special Invitee
36.	Dr. Rajiv Kumar Sharma Head, MED, NIT Hamirpur	Special Invitee
37.	Dr. Somesh Sharma Head, DOMS, NIT Hamirpur	Special Invitee
38.	Dr. Vishal Singh Head, CMSE NIT Hamirpur	Special Invitee
39.	Registrar NIT Hamirpur H.P.	Member Secretary

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## 7.0 COMPUTER CENTRE

Computer Centre at National Institute of Technology, Hamirpur (HP) has been setup with the objective of providing state-of-the-art computational and communication facilities for the students, faculty and staff to carry out academic and research activities. Computer Centre is a central facility, which caters to the needs of different academic departments, centres and various sections of the Institute. Additionally, it also provides design and implementation services for computer network and automation of Institute. The mission of Computer Centre is to design, implement, perceive and fine tune the future computing and communication requirement of the Institute. Computer Centre at NIT Hamirpur aspires to be a leading computational /communication facility in higher education. Apart from this, Computer Centre is actively involved in extending consultancy services to outside organizations to rollout their hardware, software and networking infrastructure in best possible manner.

### Objectives:

Computer Centre at NIT Hamirpur has been established with following objectives:

- To provide a central computing/communication facility with network infrastructure for all the students, faculty members and staff of the Institute.
- To collect/analyze the computing requirements of the departments and design, procure, deploy and maintain the solutions.
- To assist students, faculty and research scholars of all departments in the Institute in computerizing their activities.
- To conduct short terms courses for the students and staff of the Institute.
- To design, maintain and administer campus-wide network including Internet and allied services.
- To design and implement office automation modules in-house as per the Institute requirement.
- To provide communication service throughout the campus.
- To provide consultancy in ICT related areas.

2) Computer Centre manages various computing and communication facilities through out the campus. It provides Internet access, Web, Email, FTP and other computing services 24x7x365. The Institute has campus wide network of more than 3000 voice & Data nodes over the fibre backbone with above 100 active devices, Wi-Fi, Voice over IP (VoIP) and Video - Conferencing. A fleet of servers from SUN, IBM, HP, Dell, etc. have been deployed to provide the services like Web, Email, DNS, proxy, DHCP, etc in the campus. The Institute has got 1Gbps connectivity under National Knowledge Network (NKN), MHRD, Govt. of India. Students, Faculty and staff are provided with Internet facility in academic, administrative and residential area. We have high end facilities like cluster computing environment having 14 heterogeneous chassis based blades with different operating systems equipped with 16TB (10 + 6) SAN and 24TB NAS storage capacity. Internet connectivity of 1 Gbps from NKN has been provided to the Institute by MHRD, Govt. of India under NKN (National Knowledge Network). An additional Internet connectivity of 500 Mbps has been leased from M/s. Bharti Airtel Ltd. For external telephone connectivity E1 PRI of 30 Channels has been subscribed from BSNL.

### 3) Technical Officers/Officials

Head	:	Dr.T.P. Sharma
Scientific Officer	:	Er. Anil Kumar
Scientific Officer	:	Sh. Jagdish Verma
Scientific Officer	:	Er. Ashwani Kr. Sharma (On Deputation)

Hardware Engineer (SG-II) : Er. Ravi Singh  
Sr. Technician : Sh. Rakesh Sharma

4) The detail of the assets/equipment purchased for the Computer Centre during the financial year 2017-18 in English and Hindi version is as below:-

Sr. No.	Name of Asset/Equipment	Quantity
1	Rack Servers	05 Nos.
2	POE Switch	05 Nos.
3	Gigabit Transceivers (Minigibic/SFP)	05 Nos.
4	Fiber Patch Cords (Single Mode)	05 Nos.
5	SAN Storage (HP Make)	01 No.

5) **Detail of the Laboratories**

Sr. No.	Name of the Laboratories
1.	Internet Laboratory
2.	Research Laboratory
3.	Programming Laboratory
4.	Language Laboratory

## 7.2 WORKSHOP

### Staff:

Dr. P. K. Sood  
Ph. D  
Workshop Superintendent

## 7.3 LIBRARY:

A	No. of books available up to 31-03-2018	:	86,589
B	No. of books added during the year	:	3309
C	Expenditure on purchase of books during the year	:	Rs. 25,61,048.00
D	E-resources subscribed by Institute:		
	1.	BIS Code for Civil Engineering.	
	2.	DELNET	
	3.	IEEE Xplore Digital Library	
	4.	Science Direct (5 Subject Collection)	
	5.	Springer Link	
E.	e-resources provided by e-SodhSindhu:		
	1.	ACM Digital Library	
	2.	ASCE Library	
	3.	ASME Digital Collection	
	4.	ASTM International	

5. Economic and Political Weekly
  6. Emerald
  7. ISID (Institute for Studies in Industrial Development)
  8. J-Gate
  9. JSTOR
  10. Nature
  11. Oxford University Press
  12. Web of Science
- F. No. of Print Magazine : 20
- G. Any other facilities added
1. RFID based Library Management System for self check-in, check-out, Renewal etc.
  2. Nimbus e Mobile App to provide the facility of Off- Campus Access of e-Resources on their mobiles.
  3. Institutional Repository for archiving research output.
  4. SMS based notification service.
  5. Wi-Fi services to access e-resources.
  6. Reading Area for the students and Staff of the NIT, Hamirpur.

#### 7.4 HOSPITAL:

##### 1) Background:

The medical facilities are available on working days from 9:00 AM to 8:00 PM daily for students and staff. A doctor on emergency duty is available 24 hours round a clock. Ambulance is available on a telephone call. The doctors available in Health Centre are:-

- I. Dr. Mani Verma (Incharge)
  - II. Dr. Wattan Singh (E.N.T. Specialist)
  - III. Dr. H.K. Attri
  - IV. Dr. K.C. Chopra
  - V. Dr. Swatantra Sharma (Eyes Specialist)
- 2) The working hours of the dispensary are as follow:-
- |                  |   |  |
|------------------|---|--|
| Monday to Friday | - | 9:00 AM to 8:00 PM   |
| Saturday         | - | 9:00 AM to 12:00 PM Noon & 2:30 PM to 8:00 PM                    |
| Sunday           | - | 9:00 AM to 12:00 Noon & 2:30 PM to 5:30 PM<br>6:30 PM to 8:00 PM |
- 3) Total patients treated annually - 13149
  - 4) No. of outdoor attendance - 13149
  - 5) No. of day care patients - 35 (Approx.)
  - 6) No. of referral cases - 367 (Approx.)

(New Chemist shop has been set up in our Health Centre to facilitate students and staff.)

A free camp medical camp was organised by Fortis Hospital Kangrain the month of May by the following specialists:-

Internal medicine

Dr. Susheel Kudial, MBBS, MD (Medicine)

Orthopaedics & Joint Replacement

Dr. Sunil Bhatt (MBBS, D. Ortho, FCS (Orthopaedics))

Paediatrics

Dr. Himadri Roy , MBBS, MD (Paediatrics & Neonatology)

80-90 patients were benefited with their specialist opinion. They were even provided free medicines . Investigation like E.C.G., B.P. Blood Sugar were done free of cost. One physiotherapist was also present in the camp.

Ambulance service is available 24\*7 with basis of facilities.

**7.5 POST OFFICE, BANK, SHOPPING CENTRE & OTHER FACILITIES:**

To facilitate all financial transactions, a fully computerized branch of State Bank of India functions in the Institute premises. Similarly, for the convenience of the students, a Post Office is operating in the campus. It provides saving bank facility and has provision of money orders, postal orders and postage stamps etc.

**7.6 PHYSICAL FACILITIES & GAMES AND SPORTS FACILITIES:**



**Background:**

National Institute of Technology Hamirpur is one of the premier technical institute in Northern India. The Institute presently provides sports facilities for both indoor and outdoor activities. A standard size stadium with the provision of pavilion has been provided to the students where the games like Cricket, Football, Hockey, Basket Ball Lawn Tennis and Athletics are played. The facilities of separate Basketball and lawntennis court with the provision of flood lights also have been provided to our students. We have got the provision of indoor hall for Badminton and other indoor games and gymnasium facilities with latest physical fitness machines for both boys and girls separately. The facilities of Billiards and pool table for our students and staff have also been provided.

### Inter Branches and Inter Year Tournament

At institute level sports departmental organized inter branch tournament in the odd semester and in the even semester there is inter year tournament for both Boys and Girl every year. All student take part in these tournament with great spirit.

During the season 2017-18 two day 31<sup>st</sup> Annual Athletics meet was organized from March 16<sup>th</sup> - 17<sup>th</sup> - April-2018. In this meet the following events were organized such as 100M, 200 M, 400 M. 800 M, 5000 M, 4x400 relay, Long jump, High Jump, Shot Put, Discus and Javelin Throw for Boys and Girls. For the session 2017-18 Mr. Om Prakash Thakur among Boys and Ms. Divya Singh among the girl declared as Best Athlete.

#### A:-Boys

Sr. No.	Game	Date & Year	Name of Tournament	Venue	Position
1	Volleyball	6-8 Oct.-2017	ITUSA	NIT, Kurukshetra	3 <sup>rd</sup>
2	Table Tennis	6-8 Oct.-2017	ITUSA	NIT, Kurukshetra	---
3	Badminton	7-8 Oct.-2017	ITUSA	P.E.C. Chandigarh	4 <sup>th</sup>
4	Basketball	12 <sup>th</sup> -13 <sup>th</sup> Oct.-2016	ITUSA	NIT, Jalandhar	-
5	Football	13 <sup>th</sup> -15 <sup>th</sup> Oct.-2017	ITUSA	Thapar University Patiala	-
6	Athletic	3 <sup>rd</sup> to 5 <sup>th</sup> Nov. 2017	All India Inter NIT	MNIT Jaipur	Gold-10000M Silver-5000 M Bronze – Triple Jump
7	Cricket	16 <sup>th</sup> - 18 <sup>th</sup> Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	-
8	Football	16 <sup>th</sup> - 18 <sup>th</sup> Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	-
9	Volleyball	16 <sup>th</sup> - 18 <sup>th</sup> Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	-
10	Basketball	16 <sup>th</sup> - 18 <sup>th</sup> Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	-
11	Table tennis	16 <sup>th</sup> - 18 <sup>th</sup> Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	-

12	Badminton	16 <sup>th</sup> - 18 <sup>th</sup> Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	-
13	Athletic	14 <sup>th</sup> -16 Apr. 2018	ITUSA	TIET Patiala	Gold-800 M Silver-400 M, 1500M, 5000M, Bronze-5000 M. Javelin throw

**B:- Girls**

Sr. No	Game	Date & Year	Name of Tournament	Venue	Position
1	Volleyball	6-8 Oct.-2017	ITUSA	NIT, Kurukshetra	2 <sup>nd</sup>
2	Badminton	7-8 Oct.-2017	ITUSA	P.E.C. Chandigarh	3 <sup>rd</sup>
3	Basketball	12-13 Oct.-2017	MST-17 Sports fest	NIT, Jalandhar	--
4	Table Tennis	16-18 Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	2 <sup>nd</sup>
5	Badminton	16-18 Feb. 2018	URJA 2018 Sports Tournament	TIET Patiala	--

**Physical Facilities & Games & Sports facilities**

The institute maintains excellent fitness facilities and playground with the following provisions:-

1	Athletics Track and Field	200m track(grass)	1 No.	There is one ground for all these 04 games
2	Football ground	Without floodlight	1 No.	
3	Cricket ground	Without floodlight	1 No.	
4	Hockey ground	Without floodlight	1 No.	
5	Volleyball court	With floodlight	2 No.	
6	Basketball court	With floodlight	1 No.	
7	Lawn Tennis court	With floodlight	3 No.	Synthetic
8	Kabaddi Court	--	--	--
9	Badminton court	With floodlight	1 No.	
10	Gymnasium	Well-equipped Gymnasium are available inside Hostels		

11	Indoor games facilities are available inside hostel compounds. (Table tennis, Carom, Chess, outdoor badminton court, etc.) There is an attractive stadium with the provision of pavilion for 1500 spectators
12	Open Air Theater
13	Student Activity Center (Under construction).

### 7.7 OTHER FACILITIES LIKE HOSTELS, MESSSES, STAFF QUARTERS, ADMINISTRATION & TELEPHONE EXCHANGE:

The Hostel Management Council comprising of Hostel/Mess Attendant, Mess Manager, Assistant Warden, Warden and student's representatives headed by Chief Warden of hostels decide the Management of hostel facilities. Major issues are decided by Director. The existing Hostel Management Council members are as under:-

#### Chief Warden and Warden/Assistant Warden of Hostels

Sr. No.	Name of Warden	Designation (CW/AW and GS)	Name of Hostel
1.	Dr. R.S. Banshtu	Chief warden (Hostels)	All Hostels
2.	Dr. Sidharth Chauhan	Warden	Shavilk Boys Hostel
3.	Dr. Radhe Shyam	Assistant Warden	
4.	Dr. R. K. Jamalata	Warden	
5.	Dr. Suket Kumar	Assistant Warden	Mani Mahesh Boys Hostel
6.	Dr. Amit Kaul	Warden	
7.	Dr. Jaiveer Kherb	Assistant Warden	Dhouladhar Boys Hostel
8.	Dr. Naveen Chauhan	Warden	Satpura Hostel
9.	Dr. Rajesh Kumar	Warden	
10.	Dr. Kalyan Sunder Ghosh	Assistant Warden	Kailash Boys Hostel
11.	Dr. Vikram Verma	Assistant Warden	
12.	Dr. Sunil Sharma	Warden	
13.	Dr. Chandrasekharn S	Asstt. Warden	Vindhyachal Boys Hostel
14.	Er. Vinod Sharma	Warden	
15.	Dr. T. Ganesh	Assistant Warden	
16.	Dr. Rajesh kumar Sharma	Assistant Warden	Neelkanth Boys Hostel
17.	Er. Chander Prakash	Warden	
18.	Ar. Puneet Sharma	Assistant Warden	
19.	Dr. Vivek Tiwari	Assistant Warden	Himadri Hostel
20.	Dr. Pamita Awasthi	Warden	
21.	Dr. Madhu Kumari	Assistant Warden	Parvati Girls Hostel
22.	Dr. Gargi Khanna	Warden	
23.	Ar. Venu Shree	Assistant Warden	Ambika Girls Hostel
24.	Er. Pardeep Singh	Warden	
25.	Dr. K. Nallasivam	Assistant Warden	Himgiri Hostel
26.	Er. Anil Kumar	Assistant Warden	
27.	Dr. Mamta Awasthi	Warden	Aravali Girls Hostel
28.	Ar. Neetu Kapoor	Assistant Warden	

There are seven Boys Hostels and two Girls Hostels available in the institute. The statics of boarders of each hostel are as under:-

Name of the Hostel	Type (Single/ Double/ 03 Seated/ 04 seated/ 06 seated)	Capacity
Kailash Boys Hostel	03 seated	612
Vindhyachal Boys Hostel	Single seated	169
Satpura Hostel	Triplet	318
Mani Mahesh Boys Hostel	Single seated	162
Dhouladhar Boys Hostel	Single seated- 91 03 seated- 24	163
Neelkanth Boys Hostel	Double seated-03 03 seated- 145	441
Himgiri Hostel	Single – 471 Double- 11	493
Himadri Hostel	Triplet	594
Shivalik Boys Hostel	Six seater	130
Parvati Girls Hostel	Single seated-54 03 seated-36	162
Ambika Girls Hostel	Doublet- 25 Triplet - 26 Four let - 4 Five let- 25 Double – 38	345
Aravalik Girls Hostel	Double – 28	60

#### Hostel Management Policy:-

- National Institute of Technology, Hamirpur is a fully residential institute. All the student admitted in the institute should reside in hostels. However, with special permission of higher authority, students may be permitted to stay outside.
- Each hostel is having one Warden, at least one Asstt. Warden, Mess Manager and Hostel/ Mess Attendant who will look after the day to day affairs of the boarders.
- The top most hostel authority next to Director is Chief Warden (H) who coordinates these activities and is authorized for all financial transaction.
- There is a separate Bank Account of each hostel in the name of the Warden of concerned hostel and one is in the name of Chief Warden (H). Students will deposit their dues at concerned Hostel Warden Account and later on Hostel Establishment Fund, Ambulance Fund and Mess Security is transferred to the Chief Warden (H).
- The mess account bills contain only the mess advance to start with, which will be topped at the end of each semester.
- At the end of every semester there is complete reconciliation.
- Hostel Establishment Fund, Common Room Fund, Ambulance Fund is collected from the students once in a year and which will be transferred to the Chief Warden Office except Common Room Fund. The Common Room Fund is used by the Warden for the welfare of the concerned Hostel.

- The Head Cook, Cook and Mess Workers are employed by the Chief Warden (H) for all the hostels and their monthly salary is included in the monthly mess bill of the boarders of concerned hostel.
- The salary of Mess Staff is paid by the Warden of concerned hostel through their Bank Account opened in the SBI NIT Hamirpur branch.
- All expenses like electricity bill, water charges etc. are divided among all the boarders equally.
- For PG and Research Students mess bill is charged for all 12 months unless they are specially permitted by the authority to stay outside for a specific period.
- No mess rebate is allowed to any boarder unless specially permitted by the Warden for specific reason, as per Hostel Rules.
- No mess bill will be charged to the UG students during vacation unless they are specially permitted to stay during vacation, but salary charges of mess workers, electricity bill, water charges stationery charges will be payable for the 12 months.
- For UG, PG and Ph. D regular students including 1<sup>st</sup> year, the Establishment charges, ambulance charges and common room charges are collected from July 1<sup>st</sup> once in a year.
- Each hostel maintains its Bank Account and all the bills of grocery, ration, milk, gas, vegetables, Liveries disbursement of wages (including festival allowance) to mess workers as well as electricity/ water charges fully paid by the Warden of concerned hostel.
- The accounts of all the hostels are duly audited by an external agency at least twice in a year.

#### The Hostel of Residence:-

The institute is essentially residential institute and provides hostel accommodation for students. Separate hostel accommodation is available for girl students. It is mandatory for all the students to stay in the hostel. However, a student may be permitted on application in prescribed form during beginning of each semester to live with his/ her parents or local guardian at Hamirpur (HP). Students permitted to stay outside hostel are exempted from payment of mess charges, electricity charges and water charges under Hostel Fee. The name, full address, office and residence and telephone number, designation and willingness of local guardian have to be furnished at the time of admission. The room allotment of the hostel is done on the basis of merit through software.

#### PLINTH AREA OF NIT BUILDING

Sr. No.	Description	Number	Plinth area (approx.in sq. Ft. after renovation)	Total area sq. Ft.	Equivalent area in Sq. MT.
	OTRS				
1	Type-I	20	345.36	6907.20	642.00
2	Type-II	82	688.51	56457.72	5247.00
3	Type-III	54	907.82	49022.56	4556.00
4	Type-IV	48	1341.41	34387.68	5984.00
5	Type-V	16	1985.22	31763.52	2952.00
6	Duplex Type-VI	4	269.22	1076.88	100.00
7	Director Residence	1	3281.80	3281.80	305.00

8	Garbage	97	134.50	13046.50	1213.00
9	Faculty residence under construction	48	1827.85	87736.80	8154.00
10	Non-teaching residence under construction	16	1827.85	29245.60	2718.00
B	Hostel wise Area	1	221818.52	221818.52	197195.00
C	Academic Area	1	856313.08	856313.08	79583.00
				Total	308649.00
		Gross plinth area=Qtrs. Area+Hostel Area +Academic area			
		Total=308649.00 Sq.m    76.26Acre			
		Total developed area= Plinth Area + Garden + Road etc.			
		Total 100.84 Acre                    = 408085.00 Sq.m			

**AUDIT CERTIFICATE**

**SEPARATE AUDIT REPORT OF THE COMPTROLLER & AUDITOR GENERAL OF INDIA  
ON THE ACCOUNT OF NATIONAL INSTITUTE TECHNOLOGY, HAMIRPUR FOR THE  
YEAR ENDED 31 MARCH 2018.**

1. We have audited the Balance Sheet of National Institute of Technology, Hamirpur as at 31 March 2018, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 22 (2) of the National Institutes of Technology Act, 2007. These financial Statements are the responsibility of the Institutes management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports /CAG's Audit Reports separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India .These standards require that we plan and perform the audit to obtain reasonable assurance about whether financial statements are free from material misstatements. An audit includes examining, on test basis, evidences supporting the amounts and disclosure in the financial statement. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statement. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:
  - i. We have obtained all the information and explanations, Which to the best of our knowledge and belief were necessary for the purpose of audit;
  - ii. The Balance Sheet and Income and Expenditure Account/Receipt and Payment Account dealt with by this Report have been drawn up the format prescribed by the Ministry of Human Resources Development, Government of India vide order No 29-4/2012-FD dated 17 April 2015 except stated in Comment No. C.4 and C.5 of this Report.
  - iii. In our opinion, proper books of accounts and other relevant records have been maintained by National Institute of Technology, Hamirpur in so far as it appears from our examination of such books.
  - iv. We further report that:

**A. Balance Sheet**  
**Sources of Funds**  
**Current Liabilities and Provisions (Schedule 3)**  
**Unutilized Grants (Sl.No.6(d): ₹ 0.00**

As per Format of Accounts for Central Educational Institutions, unutilized grants are to be shown as current liability in the Balance Sheet. The Institute has an unutilized grant of ₹ 7.54 crore as on 31 March 2018; which has wrongly been included under Corpus/Capital Fund (Schedule 1). This has resulted in understatement of Current Liabilities & Provisions and overstatement of Corpus/Capital Fund by ₹ 7.54 crore each.

**B. Income & Expenditure Account**  
**Depreciation: ₹ 11.02 Crore**

Depreciation on Furniture, Fixture and Fittings valuing being ₹ 10.93 crore, has been charged at the rate of 15% per annum instead of applicable rate of 7.5% per annum. This has resulted in understatement of Fixed Assets (Schedule 4) and overstatement of deficit by ₹ 82.00 lakh each besides understatement of Corpus/Capital Fund to the same extent.

**C. General**

**C.1** The Institute had earned interest on saving account as well as FDRs (Schedule 11 & 12) amounting to ₹ 4.12 crore which included interest earned on investments of Sponsored Projects & Fellowship Funds, which was not transferred to the Sponsored Projects & Fellowship Funds (Schedule 3) and was wrongly included in Income from Investments (Schedule 11). This has resulted in understatement of Current Liabilities and Provisions (Schedule 3 – Sponsored Projects & Fellowship Funds) and overstatement of Income from Investments (Schedule 11) to the extent of interest income transferable to Sponsored Projects & Fellowship Funds.

**C.2** The Institute has not prepared Schedules: Schedule 3(a), 3(b) and 3(c) showing i.e. Schedule showing details of the “Receipts against sponsored projects, sponsored fellowships & scholarships and other funds” and Schedule showing details of “Unutilized Grants from UGC, Government of India and State Governments” respectively which in contravention of prescribed format of accounts for Central Educational Institutions.

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 As per Schedule 3, the Institute has Sponsored Projects of ₹ 5.20 crore and Fellowship Funds of ₹ 59.60 lakh.

**C.3** The Institute has although prepared Schedule-10 but the same has not been prepared properly as the figures of revenue and capital expenditure has not been incorporated in the said Schedule as per the requirement of prescribed format of accounts for Central Educational Institutions.

**C.4** The Format of Accounts for Central Higher Educational Institutions and AS-15 of ICAI provide that provision for retirement benefits is to be made on Actuarial Valuation Method. Though, the Institute has made provision for pension amounting to ₹ 18.69 lakh in the accounts for the year 2017-18 but the same has not been made on Actuarial valuation basis. Also, no provision has been made for Gratuity and Leave Encashment, which is in contravention of Format of Accounts for Central Higher Educational Institutions as well as AS 15.

**C.5** The Institute issued cheque amounting to ₹ 1.54 crore to its Construction Cell on 31.03.2018, but the same has not been entered in the cash book of Construction Cell. The same needs to be rectified.

**C.6** As on 31.03.2017 under the Object Head 35; the Institute had a negative opening balance of ₹ 15.27 crore ((-) ₹ 8.24 crore + (-) ₹ 7.03 crore opening capital advances). This negative balance of ₹ 15.27 crore has been adjusted/deducted by the Institute from the Grant-in-aid of ₹ 44.00 crore received during the year 2017-18 without obtaining the specific approval of government. The specific approval for the above excess expenditure of ₹ 15.27 incurred over and above the sanctioned grants is required to be obtained from Ministry / Government; failing which the above excess expenditure incurred over and above the sanctioned grant of ₹ 15.27 crore be met from Institute's Corpus Funds.

**C.7** The unutilized balances as on 31.03.2018 under Object Head 31 and Object Head 36 have included negative balances of ₹ 3.09 crore (Schedule Castes: (-) ₹ 1.51 crore and Schedule Tribes: (-) ₹ 1.58 crore) and ₹ 27.07 crore, respectively, which shows that expenditure has been incurred over and above the sanctioned grant funds; the above excess expenditure of ₹ 30.16 crore (₹ 3.09 crore + ₹ 27.07 crore) incurred over and above the sanctioned grants needs to be got regularized from Ministry/Government or to be met out from Institute's Corpus Funds.

#### **D. Grant-inAid**

Out of available funds of ₹ 105.52 crore (OH-31: ₹ 54.76 crore, OH-35: ₹ 35.76 crore and OH-36: ₹ 15.00 crore, including previous year balance of ₹ 7.67 crore (OH-31: ₹ 38.26 crore, OH-35: (-) ₹ 8.24 crore, OH-36: (-) ₹ 22.35 crore), interest received on grant of ₹ 4.33 crore (OH-31: Nil, OH-35: Nil, OH-36: ₹ 4.33 crore) and Grant-in-Aid received during the year ₹ 93.52 crore (OH-31: ₹ 16.50 crore, OH-35: ₹ 44.00 crore, OH-36: ₹ 33.02 crore), the Institute utilized ₹ 97.98 crore (OH-31: ₹ 29.49 crore, OH-35: ₹ 26.42 crore, OH-36: ₹ 42.07 crore) leaving an unspent balance of ₹ 7.54 crore (OH-31: ₹ 25.27 crore, OH-35: ₹ 9.34<sup>2</sup> crore, OH-36: (-) ₹ 27.07 crore) at the end of the year.

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Including opening capital Advances of 7.03 crore, as per previous year SAR the unutilized balance of grants was 0.64 crore which did not include capital advances of 7.03 crore as on 31.03.2017.

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Expenditure during the year 26.57 crore + Opening Capital Advances 7.03 crore – Closing Capital Advances 7.18 crore.  
Including closing advances of ₹ 7.18 crore.

**Net impact of Audit Comments on the Annual Accounts**

Net impact of Audit comments on the Annual Accounts of National Institute of Technology, Hamirpur for the year ending 31 March 2018 is that Assets are understated by ₹ 82.00 lakh. Current Liabilities are understated by ₹ 7.54 crore and Corpus/Capital Fund is overstated by ₹ 6.72 crore besides Deficit is overstated by ₹ 82.00 lakh.

v). Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.

vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report given a true and fair view in conformity with accounting principles generally accepted in India:

- a) In so far as it relates to the Balance Sheet, of the state of affairs of the National Institute of Technology, Hamirpur as at 31<sup>st</sup> March 2018; and
- b) In so far as it relates to Income & Expenditure Account, of the deficit for the year ended on that date.

**For and on behalf of the C & AG of India.**



**Principal Director of Audit (Central),  
Chandigarh**

**Place: Chandigarh**

**Date:**

## **Annexure to Audit Report**

### **1. Adequacy of Internal Audit System**

The system of pre-audit of payments is in existence in the Institute. No internal audit has been conducted during the year 2017-18.

### **2. Adequacy on Internal Control System**

Internal control system is considered inadequate in view of the following

- a). The Institute has not prepared its Accounting Manual.
- b). Against requirement of four numbers of meetings as prescribed in the Statute/Manual of the Institute, only one meeting each of Board of Governors, Finance Committee and Building & Works Committee was held during the financial year 2017-18.

### **3. Physical verification of Fixed Assets**

Physical verification of Fixed Assets for the year 2017-18 has not been done.

### **4. Physical verification of Inventory**

Physical verification of Inventory for the year 2017-18 has not been done.

### **5. Regularity in payment of Statutory Dues**

As per books of accounts, the Institute was regular in depositing statutory dues.



**Deputy Director**



# **Annual Accounts**

## **2017-18**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**BALANCE SHEET AS AT 31st March, 2018**

(Amount-----Rs.)			
	Schedule	Current Year	Previous Year
<b><u>SOURCES OF FUNDS</u></b>			
CORPUS/CAPITAL FUND	1	3,830,247,015.09	0.00
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	25,372,172.08	21,948,598.08
CURRENT LIABILITIES AND PROVISIONS	3	588,712,610.35	525,423,016.40
<b>TOTAL</b>		<b>4,444,331,797.52</b>	<b>547,371,614.48</b>
<b><u>APPLICATION OF FUNDS</u></b>			
<b><u>FIXED ASSETS</u></b>			
	4		
Tangible Assets		2,327,071,709.66	2,406,407,712.67
Intangible Assets		0.00	0.00
Capital Works-In-Progress		596,925,251.00	362,121,634.00
<b><u>INVESTMENT FROM EARMARKED/ENDOWMENT FUNDS</u></b>			
	5		
Long Term			
Short Term			
<b><u>INVESTMENT - OTHERS</u></b>			
	6	0.00	0.00
<b><u>CURRENT ASSETS</u></b>			
	7	1,421,997,988.62	1,197,884,814.60
<b><u>LOANS, ADVANCES &amp; DEPOSITS</u></b>			
	8	98,336,848.24	102,179,266.24
<b>TOTAL</b>		<b>4,444,331,797.52</b>	<b>4,068,593,427.51</b>
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	24		

**DY. REGISTRAR ( ACCOUNTS),**  
**NIT, HAMIRPUR (H.P).**

**REGISTRAR,**  
**NIT, HAMIRPUR (H.P).**

**DIRECTOR,**  
**NIT, HAMIRPUR (H.P).**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31/03/2017**

(Amount --Rs.)

<b><u>INCOME</u></b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
ACADEMIC RECEIPTS	9	170,783,241.94	133,145,385.50
GRANT & SUBSIDIES	10	495,200,000.00	333,000,000.00
INCOME FROM INVESTMENTS	11	38,171,115.62	26,283,542.00
INTEREST EARNED	12	2,985,788.00	3,029,309.00
OTHER INCOME	13	20,447,954.00	14,672,408.20
PRIOR PERIOD INCOME	14	492.00	
<b>TOTAL(A)</b>		<b>727,588,591.56</b>	<b>510,130,644.70</b>
<b><u>EXPENDITURE</u></b>			
STAFF PAYMENT & BENEFITS (ESTABLISHMENT EXPENSES)	15	490,357,380.00	350,075,861.00
ACADEMIC EXPENSES	16	96,480,915.00	106,064,426.00
ADMINISTRATIVE AND GENERAL EXPENSES	17	65,152,907.00	37,208,967.00
TRANSPORTATION EXPENSES	18	2,906,070.00	873,788.00
REPAIR & MAINTENANCE	19	55,889,723.00	55,541,985.00
FINANCE COSTS	20	4,201.00	58.00
DEPRECIATION	4	<b>110,208,470.01</b>	<b>108,661,704.91</b>

OTHER EXPENSES	21	0.00	0.00
PRIOR PERIOD EXPENSES Depreciation (Net Total at the year-end - corresponding to schedule 4)	22	0.00	0.00
<b>TOTAL (B)</b>		<b>820,999,666.01</b>	<b>658,426,789.91</b>
<b>Balance being excess of Income over Expenditure (A-B)</b>		<b>(-)93,411,074.45</b>	<b>(-)148,296,145.21</b>
Transfer to /from Designated Fund		96,814,752.70	-----
Building Fund			
Others (specify)		-----	-----
<b>BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CAPITAL FUND</b>		<b>-190,225,827.15</b>	<b>-148,296,145.21</b>
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	24		

DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).

REGISTRAR,  
NIT, HAMIRPUR (H.P).

DIRECTOR,  
NIT, HAMIRPUR (H.P).

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)****SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2018****(Amount--Rs.)**

	Current Year		Previous year	
<b>SCHEDULE 1. CORPUS/ CAPITAL FUND :</b>				
Balance as at the beginning of the year		3,042,022,831.53		3,285,576,009.75
Add : Contribution towards Corpus/Capital fund	12,000,000.00		121,724,491.49	
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure	440,000,000.00		250,000,000.00	
Add: Assets Purchased out of Earmarked Funds	0.00		0.00	
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution	4,497,299.00		333,906.00	
Add: Assets Donated/Gifts Received	0.00		0.00	
Add: Other Additions (Interest on Corpus fund)	0.00		11,883,551.00	
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	-190,225,827.15		-148,296,145.21	
Less: Amount of deposit being tfd a corpus account tfd back	121,724,491.49			
Total		144,546,980.36		235,645,803.28
(Deduct) Deficit transferred from the Income & expenditure Account		0.00		0.00
<b>BALANCE AS AT THE YEAR -- END</b>		<b>3,186,569,811.89</b>		<b>3,521,221,813.03</b>

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P.)**  
**SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2018**

	Current year	
<b>SCHEDULE 1 B. CORPUS:</b>		
Balance as at the beginning of the year		479,198,981.50
Add : Contribution towards corpus	18,000,000.00	
Add: Grants from UGC, Government to the extent utilized for capital expenditure	0.00	
Add: Assets purchased out of corpus funds	0.00	
Add: Other additions (interest on corpus fund)	49,663,469.00	
Add: Appropriation of excess/loss in income & expenditure account for corpus funds	<u>96,814,752.70</u>	
Total		
(Deduct) deficit transferred from the income & expenditure account		164,478,221.70
		0.00
<b>BALANCE AS AT THE YEAR -END</b>		
		<b>643,677,203.20</b>

**DY. REGISTRAR ( ACCOUNTS),**  
**NIT, HAMIRPUR (H.P.).**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2018**

(Amount--Rs.)

SCHEDULE 2 - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	Fund Wise Breakup				Total	
	Pension Fund	Fund BBB	Fund CCC	Endowment Funds	Current Year	Previous Year
<b>A.</b>						
a) Opening balance	21,948,598.08				21,948,598.08	19,155,244.08
b) Additions during the year	3,394,104.00				3,394,104.00	1,526,880.00
c) Income from investments made of the funds	0.00				0.00	0.00
d) Accrued Interest on investments/Advances	0.00				0.00	1,197,522.00
e) Interest on Savings Bank a/c	29,470.00				29,470.00	68,952.00
f) Other additions (Specify nature)	0.00				0.00	0.00
<b>Total (A)</b>	<b>25,372,172.08</b>				<b>25,372,172.08</b>	<b>21,948,598.08</b>
<b>B.</b>						
Utilization/Expenditure towards objectives of funds	0.00				0.00	0.00
ii) Capital Expenditure	0.00				0.00	0.00
ii) Revenue Expenditure	0.00				0.00	0.00
<b>Total (B)</b>	<b>0.00</b>				<b>0.00</b>	<b>0.00</b>
<b>Closing balance at the year end (A- B)</b>	<b>25,372,172.08</b>	<b>0.00</b>		<b>0.00</b>	<b>25,372,172.08</b>	<b>21,948,598.08</b>

**Represented by**

Cash And Bank Balances

Investments

Interest accrued but not due

**Total**


**SCHEDULE 2A****ENDOWMENT FUNDS**

Amount in Rupees

1.Sr. No.	2. Name of the Endowment	Opening Balance		Additions during the year		Total		Expenditure on the object during the year 9	Closing Balance		Total
		3. Endowment	4. Accumulated Interest	5. Endowment	6. Interest	7. Endowment (3+5)	8. Accumulated Interest (4+6)		10. Endowment	11. Accumulated interest	(10+11)
<b>Total</b>											

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2018**

(Amount--Rs.)

	Current Year		Previous Year
<b><u>SCHEDULE 3-CURRENT LIABILITIES AND PROVISIONS</u></b>	-		
<b><u>A. CURRENT LIABILITIES</u></b>			
1. Deposits from staff (TWS)	11,782.00		11,782.00
2. Deposits from students			
College Caution Money	4,684,600.00		4,311,100.00
Hostel Caution Money	4,499,361.50		4,114,861.50
Library Security	8,391,450.00		7,643,175.00
3. Sundry Creditors			
a) For Goods & Services	0.00		0.00
b) Others	0.00		0.00
4. Deposit-Others (including EMD, Security Deposit and other )	257,965,306.48		262,401,124.17
5. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS):	15,992.00	275,568,491.98	17,036.00
Total (A)			
B) Others			
6. Other Current Liabilities			
a)Salaries	29,998,381.00		2,51,55,675.00
b)Receipts against sponsored projects	51,914,913.49		3,24,56,667.49
c) Receipts against sponsored fellowships & scholarships	5,959,720.00		41,77,379.00
d)Unutilized Grants	0.00		0.00
e) Grants in advance	0.00		0.00
f) Other funds	1,02,12,079.00		1,02,12,079.00
g) Other liabilities	0.00		0.00

h) Fees received in advance	154,189,188.95		10,97,78,591.31
i) Outstanding Liability UNI	365,353.00		3,65,353.00
j) Interest on project Grant payable	11,522,615.83		99,36,001.83
k) Extra Curricular Activities	31,870,283.10		2,68,32,045.10
l) Medical Expenses	0.00		53,285.00
m) Legal Fees	44,500.00		33,900.00
n) Other Misc	0.00		600.00
o) Security Charges	3,031,595.00		24,68,244.00
p) Seminar Expense payable	0.00		0.00
q) Professional Development allowance	0.00		0.00
r) LTC	0.00		0.00
s) Student Welfare expenses	0.00		0.00
t) Journal & Publication	0.00		0.00
u) Maintenance of Equipment	35,990.00		0.00
v) Maintenance of Building	3,230,451.00		1,23,27,983.00
w)Wages	25,917.00		25,917.00
x) Convocation			0.00
y) NDCPS	779,365.00		6,23,531.00
z) Hostel furniture account payable	1,491,220.00		
		304,671,572.37	51,29,46,330.40
<b>TOTAL (A)</b>		580,240,064.35	51,29,46,330.40
<b><u>B.PROVISIONS</u></b>			
1. For Taxation	0.00		0.00
2. Gratuity	0.00		0.00
3. Superannuation Pension	1,869,550.00		18,68,232.00
4. Accumulated Leave Encashment	0.00		0.00
5. Trade Warranties/Claims	0.00		0.00
6. Others ( Specify)	0.00		0.00
Auditors remuneration payable	350,000.00		3,50,000.00
Consultancy charges payable	168,000.00		90,000.00

Telephone charges payable	9,822.00		12,042.00
Electricity charges payable	784,139.00		6,18,962.00
Entertainment Expenses	0.00		530.00
Cleaning and Maintenance	2,720,690.00		7,95,031.00
Water Charges	992,625.00		538,080.00
Stationery expenses	1,593.00		14,020.00
Departmental operating cost	0.00		0.00
Examination expenses	0.00		0.00
Scholarship	0.00		62,24,013.00
TA	30,994.00		7,610.00
Provision for contingency, other work & Equipment	419,129.00		13,08,166.00
	1,126,004.00		650,000.00
Bonus		8,472,546.00	12,476,686.00
<b><u>TOTAL</u> (B)</b>		8,472,546.00	12,476,686.00
<b><u>TOTAL</u> (A+B)</b>		588,712,610.35	525,423,016.40

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**SCHEDULE - 3 (a) SPONSORED PROJECTS**

Amount in Rupees

1.Sr. No.	2. Name of the Project	Opening Balance		5. Receipts/recoveries during the year	6. Total	7. Expenditure during the year	Closing Balance	
		3. Credit	4. Debit				8. Credit	9. Debit
<b>Total</b>								

**SCHEDULE 3 (b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS**

Amount in Rupees

1.Sr. No.	2. Name of Sponsor	Opening Balance		Transaction during the year		Closing Balance	
		3. Credit	4. Debit	5. Credit	6. Debit	7. Credit	8. Debit
	University Grants Commission						
	Ministry.....						
	Others (Specify individually)						
<b>Total</b>							

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**SCHEDULE 3(c) UNUTILISED GRANTS FROM UGC, GOVERNMENT OF INDIA AND STATE GOVERNMENTS**

	Current Year	Previous Year
<b>A. Plan grants: Government of India</b>		
Balance B/F		
Add: Receipts during the year		
Total (a)		
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital expenditure		
Total (b)		
<b>Unutilized carried forward (a-b)</b>		
<b>B. UGC grants: Plan</b>		
Balance B/F		
Add: Receipts during the year		
Total (c)		
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital expenditure		
Total (d)		
<b>Unutilized carried forward (c-d)</b>		
<b>C. UGC Grants Non Plan</b>		
Balance B/F		
Add: Receipts during the year		
Total (e)		

Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital expenditure		
Total (f)		
<b>Unutilized carried forward (e-f)</b>		
<b>D. Grants from State Govt.</b>		
Balance B/F		
Add: Receipts during the year		
Total (g)		
Less Refunds		
Less: Utilized for Revenue Expenditure		
Less: Utilized for Capital expenditure		
Total (h)		
<b>Unutilized carried forward (g-h)</b>		
<b>'Grand Total (A+B+C+D)</b>		

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2018**

**SCHEDULE-4**

S. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance 01/04/2016	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2018	31/03/2017
1	Land	44,20,551.00	0.00	0.00	44,20,551.00	0.00	0.00	0.00	0.00	4,420,551.00	4,420,551.00
2	Site Development other expenditure	67,315,653.30	0.00	0.00	67,315,653.30	55,314,289.00	0.00	0.00	55,314,289.00	12,001,364.30	12,001,364.29
3	Buildings	2,941,587,629.24	10,066,745.00	0.00	2,951,654,374.24	747,502,766.65	59,033,087.48	0.00	806,535,854.13	2,145,118,520.11	2,194,084,862.59
4	Roads & Bridges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Tube wells & Water Supply	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Sewerage & Drainage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Electrical Installation and equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Plant & Machinery	436,459,369.52	15,224,142.00	0.00	451,683,511.52	296,883,939.67	22,584,175.58	0.00	319,468,115.25	132,215,396.27	139,575,429.85
9	Scientific & Laboratory Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Office Equipment	15,904,985.85	1,667,266.00	0.00	17,572,251.85	10,523,043.52	1,317,918.89	0.00	11,840,962.41	5,731,289.44	5,381,942.33
11	Audio Visual Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Computers & Peripherals	24,740,775.00	0.00	0.00	24,740,775.00	27,715,139.52	4,948,155.00	0.00	32,663,294.52	-7,922,519.52	-2,974,364.52
13	Furniture, Fixtures & Fittings	107,985,572.04	1,354,935.00	0.00	109,340,507.04	56,912,644.44	16,401,076.06	0.00	73,313,720.50	36,026,786.54	51,072,927.60
14	Vehicles	8,742,177.00	0.00	0.00	8,742,177.00	5,881,685.02	874,217.70	0.00	6,755,902.72	1,986,274.28	2,860,491.98
15	Lib. Books & Scientific Journals	47,939,014.06	2,559,379.00	0.00	50,498,393.06	47,954,506.52	5,049,839.31	0.00	53,004,345.83	-2,505,952.77	-15,492.46
16	Small Value Assets	76,083.00	0.00	0.00	76,083.00	76,083.00	0.00	0.00	76,083.00	0.00	0.00
	Total (A)	3,655,171,810.01	30,872,467.00	0.00	3,686,044,277.01	1,248,764,097.34	110,208,470.01	0.00	1,358,972,567.35	2,327,071,709.66	2,406,407,712.66

	Capital Work in Progress (B)	362,121,634.00	234,803,617.00	0.00	596,925,251.00					596,925,251.00	362,121,634.00
									TOTAL	2,923,996,960.66	2,768,529,346.66
<b>S. No.</b>	<b>Intangible Assets</b>	<b>Opening Balance 01/04/2016</b>	<b>Additions</b>	<b>Deductions</b>	<b>Closing Balance</b>	<b>Depreciation Opening Balance</b>	<b>Amortization for the year</b>	<b>Deductions / Adjustment</b>	<b>Total Depreciation</b>	<b>31/03/2018</b>	<b>31/03/2018</b>
-	Computer Software E-Journals Patent										
	TOTAL C										
	<b>Grand Total (A+B+C)</b>										

DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).

**SCHEDULE 4A PLAN**

S. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance 01/04/2016	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2018	31/03/2018
1	Land	4,420,551.00	0.00	0.00	4,420,551.00	0.00	0.00	0.00	0.00	4,420,551.00	4,420,551.00
2	Site Development	67,315,653.30	0.00	0.00	67,315,653.30	55,314,289.00	0.00	0.00	55,314,289.00	12,001,364.30	12,001,364.29
3	Buildings	2,941,587,629.24	10,066,745.00	0.00	2,951,654,374.24	747,502,766.65	59,033,087.48	0.00	806,535,854.13	2,145,118,520.11	2,194,084,862.59
4	Roads & Bridges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	Tube wells & Water Supply I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Sewerage & Drainage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	Electrical Installation and equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Plant & Machinery Scientific & Laboratory Equipment	436,459,369.52	15,224,142.00	0.00	451,683,511.52	296,883,939.67	22,584,175.58	0.00	319,468,115.25	132,215,396.27	139,575,429.85
9	Office Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Audio Visual Equipment	15,904,985.85	1,667,286.00	0.00	17,572,251.85	10,523,043.52	1,317,918.89	0.00	11,840,962.41	5,731,289.44	5,381,942.33
11	Computers & Peripherals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	Furniture, Fixtures & Fittings	24,740,775.00	0.00	0.00	24,740,775.00	27,715,139.52	4,948,155.00	0.00	32,663,294.52	-7,922,519.52	-2,974,364.52
13	Vehicles Lib. Books & Scientific Journals	107,985,572.04	1,354,935.00	0.00	109,340,507.04	56,912,644.44	16,401,076.06	0.00	73,313,720.50	36,026,786.54	51,072,927.60
14	Small Value Assets	8,742,177.00	0.00	0.00	8,742,177.00	5,881,685.02	874,217.70	0.00	6,755,902.72	1,986,274.28	2,860,491.98
15		47,939,014.06	2,559,379.00	0.00	50,498,393.06	47,954,506.52	5,049,839.31	0.00	53,004,345.83	-2,505,952.77	-15,492.46
16		76,083.00	0.00	0.00	76,083.00	76,083.00	0.00	0.00	76,083.00	0.00	0.00
	<b>Total(A)</b>	<b>3,655,171,810.01</b>	<b>30,872,467.00</b>	<b>0.00</b>	<b>3,686,044,277.01</b>	<b>1,248,764,097.34</b>	<b>110,208,470.01</b>	<b>0.00</b>	<b>1,358,972,567.35</b>	<b>2,327,071,709.66</b>	<b>2,406,407,712.66</b>

	Capital Work in Progress (B)	362,121,634.00	234,803,617.00	0.00	596,925,251.00					596,925,251.00	362,121,634.00
									TOTAL	2,923,996,960.66	2,76,85,29,346.66
<b>S. No.</b>	<b>Intangible Assets</b>	<b>Opening Balance 01/04/2016</b>	<b>Additions</b>	<b>Deductions</b>	<b>Closing Balance</b>	<b>Depreciation Opening Balance</b>	<b>Amortization for the year</b>	<b>Deductions / Adjustment</b>	<b>Total Depreciation</b>	<b>31/03/2018</b>	<b>31/03/2018</b>
-	Computer Software										
	E-Journals										
	Patent										
	TOTAL C										
	<b>Grand Total (A+B+C)</b>										
	<b>Grand Total (A+B+C)</b>										

DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).

**SCHEDULE 4B NON- PLAN**

S. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance 01/04/2017	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2018	31/03/2018
	Land Site Development Buildings Roads & Bridges Tube wells & Water Supply I Sewerage & Drainage Electrical Installation and equipment Plant & Machinery Scientific & Laboratory Equipment Office Equipment										

Audio Visual Equipment Computers & Peripherals Furniture, Fixtures & Fittings Vehicles Lib. Books & Scientific Journals Small Value Assets											
Total (A)											
Capital Work in Progress (B)											

S. No.	Intangible Assets	Opening Balance 01/04/2017	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Amortization for the year	Deductions / Adjustment	Total Depreciation	31/03/2018	31/03/2018
	Patent										
	<b>TOTAL C</b>										
	<b>Grand Total (A+B+C)</b>										

**SCHEDULE 4 C -INTANGIBLE ASSETS**

S. No.	Intangible Assets	Opening Balance 01/04/2017	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Amortization for the year	Deductions / Adjustment	Total Depreciation	31/03/2018	31/03/2018
-	Patents & Copyrights Computer Software E- Journals										
	TOTAL C										

**SCHEDULE 4 C (i)-PATENTS AND COPYRIGHTS**

Particulars	Opening Balance 01/04/2017	Additions	Gross	Amortization	Net Block 31/03/2018	Net Block 31/03/2018
<b>A. Patents Granted</b>						
1 Balance as on 31.03.14 of Patents obtained in 2008-09 (Original Value - Rs .... /-)						
2 Balance as on 31.03.14 of Patents obtained in 2010-11 ( Original Value- Rs .... /-)						
3 Balance as on 31.03.14 of Patents obtained in 2012-13 ( Original Value - Rs .... /-)						
4 Patents granted during the Current Year						
<b>Total</b>						

Particulars	Opening Balance 01/04/2017	Additions	Gross	Patents Granted/ rejected	Net Block 31/03/2018	Net Block 31/03/2018
<b>B. Patents Pending in respect of Patents applied for</b>						
1 Expenditure incurred during 2009-10 to 2011-12						
2 Expenditure incurred during 2012-13						
3 Expenditure incurred during 2013-14						
<b>Total</b>						
<b>C. Grand Total (A+B)</b>						

**SCHEDULE 4D OTHERS**

S. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance 01/04/2017	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2018	31/03/2018
	Land										
	Site Development										
	Buildings										
	Roads & Bridges										
	Tubewells & Water Supply										
	Sewerage & Drainage										
	Electrical Installation and equipment										
	Plant & Machinery										
	Scientific & Laboratory Equipment										
	Office Equipment										
	Audio Visual Equipment										
	Computers & Peripherals										
	Furniture, Fixtures & Fittings										
	Vehicles										
	Lib. Books & Scientific Journals										
	Small Value Assets										

	Total (A)										
	Capital Work in Progress (B)										
	Grand Total										

Note: The additions during the Year include additions from:

Gifted  
 Earmarked Funds  
 Sponsored Projects  
 Own Funds  
**Total**

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS**

Amount in Rupees

	<b>Current Year</b>	<b>Previous Year</b>
1 In Central Government Securities		
2 In State Government Securities		
3 Other approved Securities		
4 Shares		
5 Debentures and Bonds		
6 Term Deposits with Banks		
7 Others (to be specified)		
<b>Total</b>		

**SCHEDULE 5 (A) INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS (FUND WISE)**

Amount in Rupees

<b>Sl. No.</b>	<b>Funds</b>	<b>Current Year</b>	<b>Previous Year</b>
	Endowment Fund Investments		
	<b>Total</b>		

**SCHEDULE 6 -INVESTMENTS- OTHERS**

Amount in Rupees

	<b>Current Year</b>	<b>Previous Year</b>
1. In Central Government Securities		
2. In State Government Securities		
3. Other approved Securities		
4. Shares		
5. Debentures and Bonds		
6. Others (to be specified)		
<b>Total</b>		

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

## NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)

## SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2018

(Amount-Rs)

SCHEDULE 7 - CURRENT ASSETS		Current Year		Previous Year	
	- -				
<b>1. Stock:</b>					
a) Stores and Spares		1,069,882.00		3,402,051.00	
b) loose Tools		0.00		0.00	
c) Publications		0.00		0.00	
d) laboratory chemicals, consumables and glass ware		0.00		0.00	
e) Building Material		0.00		0.00	
f) Electrical Material		0.00		0.00	
g) Stationery		0.00		0.00	
h) Water supply material		0.00	1,069,882.00	0.00	3,402,051.00
<b>2. Sundry Debtors:</b>					
a) Debts Outstanding for a period exceeding six months		0.00		0.00	
b) Others		0.00	0.00	0.00	0.00
<b>3. Cash and Bank Balances</b>					
<b>a) With Scheduled Banks:</b>					
Cash In Hand		142,434.05		733,591.05	
Current Account/Grant in Transit		0.00		0.00	
Fixed Deposit		1,250,717,976.78		994,766,272.00	
Saving Account Main Account		1,69,930,117.85		198,829,310.61	
Saving Account Secrecy Fund		137,577.94		1,53,589.94	
<b>b) With non-Scheduled Banks:</b>					
In term deposit Accounts		0.00		0.00	
In Savings Accounts		0.00		0.00	

<b>4. Post Office- Savings Accounts</b>		1,420,928,106.62		1,194,482,763.60
	<b>TOTAL</b>	1,421,997,988.62		1,197,884,814.60

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P)**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)  
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2018**

(Amount-Rs)

<b>SCHEDULE 8- LOANS, ADVANCES &amp; DEPOSITS</b>	<b>Current Year</b>		<b>Previous Year</b>	
<b>1. Advances to employees: (Non-interest bearing)</b>				
a) Salary	0.00		0.00	
b) Festival	0.00		0.00	
c) Medical Advance	504,000.00		0.00	
d) Other (to be specified)	0.00	504,000.00	0.00	0.00
<b>2. Long Term Advances to employees: (Interest bearing)</b>				
a) Vehicle loan	0.00		0.00	
b) Home loan	0.00		0.00	
c) Others (to be specified)	3,347,758.00	3,347,758.00	4,177,379.00	4,177,379.00
<b>3. Advances and other amounts recoverable in cash or in kind or for value to be received:</b>				
a) On Capital Account	71,801,767.24		70,305,962.24	
b) to Suppliers	0.00		0.00	
c) Others	0.00	71,801,767.24	0.00	70,305,962.24

<b>4. Prepaid Expenses</b>				
a) Insurance				
b) Other expenses				
<b>5. Deposits</b>				
a) Telephone ' 1	0.00		0.00	
b) Lease Rent	0.00		0.00	
c) Electricity	0.00		0.00	
d) AI GTE, if applicable	0.00		0.00	
e) Others (to be specified)	0.00	0.00	0.00	0.00
<b>6. Income Accrued:</b>				
a) On Investments from Earmarked/ Endowment Funds	0.00		0.00	
b) On Investments-FDR	21,996,120.00		21,076,368.00	
c) On Loans and Advances	0.00		0.00	
d) Others (includes income due unrealized) Saving Bank	82,217.00	22,078,337.00	53,551.00	27,129,919.00
<b>7. Other- Current assets receivable from UGC/sponsored projects</b>				
a) Debit balances in Sponsored Projects	0.00		0.00	
b) Debit balances in Sponsored Fellowships & Scholarships	0.00		0.00	
c) Grants Receivable	0.00		0.00	
d) Other receivables from UGC	0.00	0.00	0.00	0.00
<b>8. Claims Receivable</b>				
Misc Income	0.00		0.00	
License Fees	251,699.00		240,916.00	
Garage Rent	5,380.00		3,390.00	
Interest on loan & Advances from Staff	14,807.00		19,200.00	
Income received from Forest Department	298,000.00		298,000.00	
Rent from Guest House	35,100.00		0.00	
Rent from Hostel	0.00	604,986.00	4,500.00	566,006
	<b>TOTAL</b>	<b>98,336,848.24</b>		<b>102,179,266.24</b>

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018**

<b>SCHEDULE 9- ACADEMIC RECEIPT</b>	<b>(Amount-Rs)</b>	
	<b>Current Year</b>	<b>Previous Year</b>
<b>FEES FROM STUDENTS</b>		
<b>Academic</b>		
1. Tuition fee	162,883,912.00	128,882,085.50
2. Admission fee	331,500.00	354,000.00
3. Enrolment fee	0.00	0.00
4. Library Admission fee	283,950.00	279,100.00
5. Laboratory fee	0.00	0.00
6. Art & Craft fee	0.00	0.00
7. Registration fee	0.00	0.00
8. Syllabus fee	0.00	0.00
<b>Total (A)</b>	<b>163,499,362.00</b>	<b>129,515,185.50</b>
<b>Examinations</b>		
1. Admission test fee	0.00	0.00
2. Annual Examination fee	3,651,340.94	1,978,550.00
3. Mark sheet, certificate fee	65,900.00	73,600.00
4. Entrance examination fee	0.00	0.00
5. Supplementary fee	1,048,189.00	0.00
<b>Total (B)</b>	<b>4,765,429.94</b>	<b>2,052,150.00</b>
<b>Other Fees</b>		
1. Identity card fee	0.00	0.00
2. Fine/ Miscellaneous fee	0.00	0.00
3. Medical fee	818,850.00	626,150.00

4. Transportation fee	0.00	0.00
5. Hostel fee	0.00	0.00
6. Grade Card Fee	579,400.00	116,800.00
7. Common Facility Fee	1,120,200.00	835,100.00
<b>Total(C)</b>	<b>2,518,450.00</b>	<b>1,578,050.00</b>
<b>Sale of Publications</b>		
1. Sale of Admission forms	0.00	0.00
2. Sale of syllabus and Question Paper, etc.	0.00	0.00
3. Sale of prospectus including admission forms	0.00	0.00
<b>Total (D)</b>	<b>0.00</b>	<b>0.00</b>
<b>Other Academic Receipts</b>		
1. Registration fee for workshops, programmes	0.00	0.00
2. Registration fees (Academic Staff College)	0.00	0.00
<b>Total (E)</b>	<b>0.00</b>	<b>0.00</b>
<b>GRAND TOTAL (A+B+C+D+E)</b>	<b>170,783,241.94</b>	<b>133,145,385.50</b>

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

## NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)

## SCHEDULE FORMING PART OF INCOME &amp; EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018

## SCHEDULE 10- GRANTS SUBSIDIES IRREVOCABLE GRANTS RECEIVED)

Amount in Rupees

Particulars	Plan			Total Plan	Non Plan UGC/Govt of India	Current year Total	Previous Year Total
	Govt. of India	UGC					
		Plan	Specific Schemes				
Balance B/F	2,327,827.16	0.00	0.00	0.00	4,115,395.47	6,443,222.63	0.00
Add: Receipts during the year	440,000,000.00	440,000,000.00	0.00	440,000,000.00	495,200,000.00	935,200,000.00	583,000,000.00
<b>Total</b>	<b>442,327,827.16</b>	<b>440,000,000.00</b>	<b>0.00</b>	<b>440,000,000.00</b>	<b>499,315,395.47</b>	<b>941,643,222.63</b>	<b>583,000,000.00</b>
Less: Refund to UGC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balance	442,327,827.16	440,000,000.00	0.00	440,000,000.00	499,315,395.47	941,643,222.63	583,000,000.00
Less: Utilized for Capital expenditure (A)	0.00	0.00	0.00	440,000,000.00	0.00	0.00	250,000,000.00
Balance	442,327,827.16	440,000,000.00	0.00	440,000,000.00	499,315,395.47	941,643,222.63	333,000,000.00
Less: utilized for Revenue Expenditure (B)	0.00	0.00	0.00	0.00	0.00	0.00	333,000,000.00
Balance C/F (C)	442,327,827.16	440,000,000.00	0.00	440,000,000.00	499,315,395.47	941,643,222.63	0.00

DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).

**SCHEDULE 11- INCOME FROM INVESTMENTS**

Amount in Rupees

Particulars	Earmarked/ Endowment Fund		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
<b>1. Interest</b>	-	-	-	-
a. On Government Securities	-	-	-	-
b. Other Bonds/Debentures	-	-	-	-
<b>2. Interest on Term Deposits</b>	0.00	0.00	38,171,115.62	26,283,542.00
<b>3. Income accrued but not due on Term Deposits/Interest bearing advances to employees</b>	-	-	-	-
<b>4. Interest on Savings Bank Accounts</b>	-	-	-	-
<b>5. Others (Specify)</b>	-	-	-	-
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>38,171,115.62</b>	<b>26,283,542.00</b>
<b>Transferred to Earmarked/Endowment Funds</b>				
<b>Balance</b>				

DY. REGISTRAR ( ACCOUNTS),  
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**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018**

<b>SCHEDULE 12- INTEREST EARNED</b>		<b>(Amount-Rs)</b>	
Particulars	Current Year	Previous Year	
1 On Savings Accounts With Schedule Bank	2,784,223.00	2,552,161.00	
2 On Loans:			
a) Employees/Staff	201,565.00	477,148.00	
b) Others	0.00	0.00	
3. On Debtors and Other Receivables	0.00	0.00	
<b><u>TOTAL</u></b>	<b>2,985,788.00</b>	<b>3,029,309.00</b>	

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**

**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018**

**SCHEDULE 13-OTHER INCOME**

(Amount-Rs)

	Current Year		Previous Year	
<b>A. Income from Land &amp; Buildings</b>	-			
1. Hostel Room Rent	-	8,319,000.00		6,629,550.00
2. License fee	-	3,369,706.00		2,390,871.00
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc	-	273,645.00		209,900.00
4. Electricity charges recovered	-	0.00		0.00
5. Water charges recovered	-	791,034.00		1,138,697.00
6. Rent from Guest House	-	734,150.00		601,450.00
7. Rent from Garage	-	47,985.00		40,290.00
	<b>Total</b>	<b>13,535,520.00</b>	<b>13,535,520.00</b>	<b>11,010,758.00</b>
				11,010,758.00
<b>B. Sale of Institute's publications</b>	-		0.00	0.00
				0.00
<b>C. Income from holding events</b>	-			
1. Gross Receipts from annual function/ sports carnival	-		0.00	0.00
Less: Direct expenditure incurred on the annual function/ sports carnival	-			
2. Gross Receipts from fetes	-		0.00	0.00
Less: Direct expenditure incurred on the fetes	-			
3. Gross Receipts for educational tours	-		0.00	0.00
Less: Direct expenditure incurred on the tours	-			
4. Others (to be specified and separately disclosed)	-		0.00	0.00
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
				0.00

<b>D. Others</b>	-				
1. Income from consultancy .		0.00		0.00	
2. RTI fees		0.00		0.00	
3. Income from Royalty		0.00		0.00	
4. Sale of application form (recruitment)		0.00		0.00	
5. Misc. receipts (Sale of tender form, waste paper, grass tree etc.)		5,929,408.00		2,674,945.20	
6. Profit on Sale/disposal of Assets		0.00		0.00	
a) Owned assets		0.00		0.00	
b) Assets received free of cost		0.00		0.00	
7. Grants/Donations from Institutions, Welfare Bodies and International Organizations		0.00		0.00	
8 Others (specify) Overhead Charges		983,026.00		986,705.00	
10. Charges for use of transport		0.00		0.00	
	<b>Total</b>	<b>6,912,434.00</b>	6,912,434.00	<b>3,661,650.20</b>	3,661,650.20
<b>Grand Total (A+B+C+D)</b>			20,447,954.00		14,672,408.20

**SCHEDULE 14- PRIOR PERIOD INCOME**

Amount In Rupees

Particulars	Amount In Rupees	
	Current Years	Previous Year
1. Academic Receipts	0.00	0.00
2. Income from Investments	0.00	0.00
<b>3. Interest earned</b>	492.00	0.00
<b>4. Other Income</b>	0.00	0.00
<b>Total</b>	492.00	0.00

**DY. REGISTRAR ( ACCOUNTS),  
NIT, HAMIRPUR (H.P).**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018**

**SCHEDULE 15- STAFF PAYMENTS & BENEFITS (ESTABLISHMENT EXPENSES)**

	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Salaries and Wages	0.00	417,744,922.00	417,744,922.00	0.00	302,051,921.00	302,051,921.00
b) Allowances and Bonus	0.00	1,691,812.00	1,691,812.00	0.00	694,254.00	694,254.00
c) Contribution to Pension Fund	0.00	0.00	0.00	0.00	51,000.00	51,000.00
d) Contribution to Other Fund (NPS)	0.00	10,067,110.00	10,067,110.00	0.00	7,418,392.00	7,418,392.00
e) Staff Welfare Expenses	0.00	263,373.00	263,373.00	0.00	357,406.00	357,406.00
D Retirement and Terminal Benefits	0.00	46,967,755.00	46,967,755.00	0.00	30,602,509.00	30,602,509.00
g) LTC facility	0.00	7,170,441.00	7,170,441.00	0.00	2,218,325.00	2,218,325.00
h) Medical facility	0.00	3,614,546.00	3,614,546.00	0.00	3,132,187.00	3,132,187.00
i) Children Education Allowance	0.00	2,837,421.00	2,837,421.00	0.00	3,157,140.00	3,157,140.00
j) Honorarium	0.00	0.00	0.00	0.00	388,635.00	388,635.00
l) Others (specify) Professional development allowance	0.00	0.00	0.00	0.00	4,092.00	4,092.00
Overtime Drivers	0.00	0.00	0.00	0.00	0.00	0.00
Leave Encashment	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL</b>	0.00	490,357,380.00	490,357,380.00	0.00	350,075,861.00	350,075,861.00

**SCHEDULE 15 A- EMPLOYEES RETIREMENT AND TERMINAL BENEFITS**

	Pension	Gratuity	Leave Encashment	Total
Opening Balance as on ____				
Addition : Capitalized value of Contributions Received from other Organizations				
Total (a)				
Less: Actual Payment during the Year (b)				
Balance Available on 31.03c (a -b)				
Provision required on 31.03 as per Actuarial Valuation (d)				
A. Provision to be made in the Current year (d -c)				
B. Contribution to New Pension Scheme				
C. Medical Reimbursement to Retired Employees				
D. Travel to Hometown on Retirement				
E. Deposit Linked Insurance Payment				
<b>Total (A+B+C+D+E)</b>				

**DY. REGISTRAR ( ACCOUNTS)  
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**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018**

**SCHEDULE 16- ACADEMIC EXPENSES**

	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Laboratory expenses	0.00	0.00	0.00	0.00	3,688,004.00	3,688,004.00
b) Field work/Participation in Conferences	0.00	0.00	0.00	0.00	0.00	0.00
c) Expenses on Seminars/Workshops	0.00	547,654.00	547,654.00	0.00	368,865.00	368,865.00
d) Payment to visiting faculty .	0.00	0.00	0.00	0.00	0.00	0.00
e) Examination	0.00	2,079,977.00	2,079,977.00	0.00	1,774,563.00	1,774,563.00
f) Student Welfare expenses	0.00	384,866.00	384,866.00	0.00	296,007.00	296,007.00
g) Admission expenses --	0.00	0.00	0.00	0.00	0.00	0.00
h) Convocation expenses	0.00	0.00	0.00	0.00	0.00	0.00
i) Publications	0.00	11,301,388.00	11,301,388.00	0.00	9,577,874.00	9,577,874.00
j) Stipend/means-cum-merit scholarship	0.00	79,618,340.00	79,618,340.00	87,451,833.00	0.00	87,451,833.00
k) Subscription Expenses	0.00	0.00	0.00	0.00	0.00	0.00
l) Others (specify) academic expenses	0.00	2,388,690.00	2,388,690.00	0.00	2,747,280.00	2,747,280.00
m) Accreditation to AICTE Expenses	0.00	160,000.00	160,000.00	0.00	160,000.00	160,000.00
<b>Total</b>	0.00	96,480,915.00	96,480,915.00	87,451,833.00	18,612,593.00	106,064,426.00

**DY. REGISTRAR ( ACCOUNTS)**  
**NIT, HAMIRPUR (H.P)**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018**

**SCHEDULE 17- ADMINISTRATIVE AND GENERAL EXPENSES**

	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
-						
<b>A Infrastructure</b>						
a) Electricity and power	0.00	11,350,258.00	11,350,258.00	0.00	8,469,230.00	10,377,928.00
b) Water charges	0.00	3,243,557.00	3,243,557.00	0.00	1,908,698.00	
c) Insurance	0.00	0.00	0.00	0.00		
d) Rent, Rates and Taxes (including propertytax)	0.00	0.00	0.00	0.00		
<b>B Communication</b>						
e) Postage and Stationery	0.00	1,173,075.00	1,173,075.00	0.00	154,230.00	350,805.00
f) Telephone, Fax and Internet Charges	0.00	181,019.00	181,019.00	0.00	196,575.00	
<b>C Others</b>						
g) Printing and Stationery (consumption)	0.00	1,132,460.00	1,132,460.00	0.00	1,387,398.00	26,480,234.00
h) Travelling and Conveyance Expenses	0.00	1,707,463.00	1,707,463.00	0.00	2,886,305.00	
i) Hospitality .	0.00	880,439.00	880,439.00	0.00	563,544.00	
j) Auditors Remuneration	0.00	16,280.00	116,280.00	0.00	152,814.00	
k) Professional Charges	0.00	78,000.00	78,000.00	0.00	90,000.00	
l) Advertisement and Publicity	0.00	307,718.00	307,718.00	0.00	1,249,362.00	
m) Magazines & Journals	0.00	0.00	0.00	0.00	0.00	
n) Others MiscAdministrative expenses	0.00	2,856,545.00	2,856,545.00	0.00	748,819.00	
o) Security Charges	0.00	37,916,123.00	37,916,123.00	0.00	18,664,342.00	
p) Legal expenses	0.00	1,125,400.00	1,125,400.00	0.00	737,650.00	
q) Departmental operating cost	0.00	3,184,570.00	3,184,570.00			
<b>Total</b>	0.00	65,152,907.00	65,152,907.00	0.00		37,208,967.00

**SCHEDULE 18-TRANSPORTATION EXPENSES**

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
<b>1 Vehicles (owned by institution)</b>						0.00
a) Running expenses	0.00	727,103.00	727,103.00	0.00	824,278.00	824,278.00
b) Repairs & maintenance	0.00	1,909,492.00	1,909,492.00	0.00	0.00	0.00
c) Insurance expenses	0.00	269,475.00	269,475.00	0.00	49,510.00	49,510.00
<b>2 Vehicles taken on rent/lease</b>	0.00	0.00	0.00	0.00	0.00	0.00
a) Rent/lease expenses	0.00	0.00	0.00	0.00	0.00	0.00
<b>3 Vehicle (Taxi) hiring expenses</b>	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	0.00	2,906,070.00	2,906,070.00	0.00	873,788.00	873,788.00

DY. REGISTRAR ( ACCOUNTS )  
NIT, HAMIRPUR (H.P)

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)****SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018****SCHEDULE 19- REPAIR & MAINTENANCE**

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Buildings	24,865,238.00	0.00	24,865,238.00	12,313,806.00	33,406,376.00	45,720,182.00
b) Furniture & Fixtures	4,800.00	0.00	4,800.00	0.00	0.00	0.00
c) Plant & Machinery	3,697,547.00	0.00	3,697,547.00	0.00	0.00	0.00
d) Office Equipment	1,137,080.00	0.00	1,137,080.00	0.00	0.00	0.00
e) Computers	0.00	0.00	0.00	0.00	0.00	0.00

f) Laboratory & Scientific equipment	153,965.00	0.00	153,965.00	0.00	0.00	0.00
g) Audio Visual equipment	0.00	0.00	0.00	0.00	0.00	0.00
h) Cleaning Material & Services	16,079,773.00	0.00	16,079,773.00	9,821,803.00	0.00	9,821,803.00
i) Book binding charges	0.00	0.00	0.00	0.00	0.00	0.00
j) Gardening	0.00	0.00	0.00	0.00	0.00	0.00
k) Estate Maintenance	0.00	0.00	0.00	0.00	0.00	0.00
l) Others Water supply	4,164,359.00	0.00	4,164,359.00	0.00	0.00	0.00
m) Road	1,534,439.00	0.00	1,534,439.00	0.00	0.00	0.00
n) Street light	1,787,814.00	0.00	1,787,814.00	0.00	0.00	0.00
o) Oxidation Pond	2,464,708.00	0.00	2,464,708.00	0.00	0.00	0.00
p) Maintenance of Entrance Flayer In Admin Block	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>55,889,723.00</b>	<b>0.00</b>	<b>55,889,723.00</b>	<b>22,135,609.00</b>	<b>33,406,376.00</b>	<b>55,541,985.00</b>

**SCHEDULE 20- FINANCE COSTS**Amount in  
Rupees

Particulars	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Bank charges	0.00	4,201.00	4,201.00	0.00	58.00	58.00
b) Others (specify)	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>0.00</b>	<b>4,201.00</b>	<b>4,201.00</b>	<b>0.00</b>	<b>58.00</b>	<b>58.00</b>

**DY. REGISTRAR ( ACCOUNTS )**  
**NIT, HAMIRPUR (H.P)**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2018**

**SCHEDULE 21- OTHER EXPENSES**

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Provision for Bad and Doubtful Debts/Advances	0.00	0.00	0.00	0.00	0.00	0.00
b) Irrecoverable Balances Written- off	0.00	0.00	0.00	0.00	0.00	0.00
c) Grants/Subsidies to other institutions/organizations	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	0.00	0.00	0.00	0.00	0.00	0.00

**SCHEDULE 22: PRIOR PERIOD EXPENSES**

Amount in Rupees

Particulars	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
1 Establishment expenses	0.00	0.00	0.00	0.00	0.00	0.00
2 Academic expenses	0.00	0.00	0.00	0.00	0.00	0.00
3 Administrative expenses	0.00	0.00	0.00	0.00	0.00	0.00
4 Transportation expenses	0.00	0.00	0.00	0.00	0.00	0.00
5 Repairs & Maintenance	0.00	0.00	0.00	0.00	0.00	0.00
6 Other expenses	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	0.00	0.00	0.00	0.00	0.00	0.00

**DY. REGISTRAR ( ACCOUNTS )**  
**NIT, HAMIRPUR (H.P)**

**NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)**  
**RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD/YEAR ENDED 31/03/2018**

(Amount-Rs)

<b>RECEIPTS</b>	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>		<b>PAYMENTS</b>	<b>CURRENT YEAR</b>	<b>PREVIOUS YEAR</b>
I. Opening Balances				1. Expenses		
a) Cash Balances	733,591.05	273,463.05		a) Establishment Expenses	467,957,822.00	344,647,742.00
b) Bank Balance				b) Academic Expenses	103,577,840.00	99,452,107.00
In Current accounts				c) Administrative Expenses	70,601,917.00	36,717,480.00
In Deposit Accounts	198,829,310.61	829,392,245.00		d) Transportation Expenses	0.00	0.00
Savings accounts	994,766,272.00	93,533,732.11		e) Repairs & Maintenance	72,999,998.00	42,433,148.00
				f) Prior period expenses	0.00	0.00
				g) Student curricular Activities	830,462.00	2,307,680.00
II. Grants Received				II. Payments against Earmarked/Endowment Funds		
a) From Government of India	935,200,000.00	583,000,000.00				
b) From State Government	0.00	0.00				
c) From other sources (details) (Grants for capital & revenue exp/ to be shown separately if available						
III. Academic Receipts	170,783,241.94	133,145,385.50		III. Payments against Sponsored Projects/Schemes		
IV. Receipts against Earmarked/Endowment Funds				IV. Payments against Sponsored Fellowships/Scholarships		
V. Receipts against Sponsored Projects/Schemes				V. Investments and Deposits made a) Out of Earmarked/Endowments funds b) Out of own funds (Investments- Others		

VI. Receipts against sponsored Fellowships Scholarships			VI. Term Deposits with Scheduled Banks		
VII. Income on Investments from			VII. Expenditure on Fixed Assets and capital WIP		
a) Earmarked/Endowment funds			Other investments		
b) Other investments			a) Fixed Assets	266,468,718.00	296,999,472.00
VIII. Interest received on			b) Capital Works- in- Progress		
a) Bank Deposits	43,251,363.62	11,026,528.00	VIII. Other Payments including statutory payments		
b) Loans and Advances	205,958.00	492,148.00			
c) Savings Bank Accounts	2,821,277.00	3,590,676.00	IX. Refunds of Grants		
d) Project grant	1,586,614.00	48,592.00	X. Deposits, Advances and Stock	417,178,609.70	149,446,417.00
IX. Investments encashed					
X. Term Deposits with Scheduled Banks encashed			XI. Other Payments	0.00	0.00
XI. Other income (including Prior Period Income)	20,404,581.00	14,528,310.20	XII. Closing balances		
XII. Deposits, Advances and Stock	451,823,686.16	492,459,439.80	a) Cash in hand	142,434.05	733,591.05
			b) Bank balances		
			In Current Accounts		
			In Savings Accounts	169,930,117.85	198,829,310.61
			In Deposit Accounts	1,250,717,976.78	994,766,272.00

XIII. Miscellaneous Receipts including Statutory Receipts						
XIV. Any Other Receipts	0.00	4,842,700.00				
<b>TOTAL</b>	<b>2,820,405,895.38</b>	<b>2,166,333,219.66</b>		<b>TOTAL</b>	<b>2,820,405,895.38</b>	<b>2,166,333,219.66</b>

**Dy. Registrar (Accounts)**  
**NIT HAMIRPUR (H.P)**

**Registrar**  
**NIT HAMIRPUR (H.P)**

**Director**  
**NIT HAMIRPUR (H.P)**

**SCHEDULE: 23****SIGNIFICANT ACCOUNTING POLICIES (ILLUSTRATIVE)****1. BASIS FOR PREPARATION OF ACCOUNTS**

The accounts are prepared under the Hospital Cost Convention unless otherwise stated and generally on the Accrual method of accounting.

**2. REVENUE RECOGNITION**

- 2.1 Fees from Students and Interest on Saving Bank account are accounted on accrual basis.
- 2.2 Income from Land, Buildings and Other Property and Interest on Investments are accounted on accrual basis.
- 2.3 Interest on interest bearing advances to staff for House Building, Purchase of Vehicles and computers is accounted on accrual basis every year, through the actual recovery of interest starts after the full repayment of Principal.

**3. FIXED ASSETS AND DEPRECIATION**

- 3.1 Fixed assets are stated at cost of acquisition including inward freight, duties and taxes and incidental and direct expenses related to acquisition, installation and commissioning.
- 3.2 Gifted/ Donated assets are valued at the declared value where available ; if not available, The value is estimated based on the present market value adjusted with reference to the physical Condition of the asset. They are set-up by credit to Capital Fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets.
- 3.3 Books received as gifts, are valued at selling prices printed on the books. Where they are not printed, the value is based on assessment.
- 3.4 Fixed assets are valued at cost less accumulated depreciation. Depreciation on fixed assets is provided on Straight line method, at the following rates:

1	Land	0%
2	Site Development	0%
3	Building	2%
4	Roads & Bridges	2%
5	Tubes wells & Water Supply	2%
6	Sewerage & Drainage	2%
7	Electrical Installation and equipment	5%
8	Plant & Machinery	5%
9	Scientific & Laboratory Equipment	8%
10	Office Equipment	7.5%
11	Audio Visual Equipment	7.5%
12	Computer & Peripherals	20%
13	Furniture, Fixtures & Fittings	7.5%
14	Vehicles	10%
15	Lib. Books & Scientific Journals	10%

- 3.5 Depreciation is provided for the whole year on additions during the years
- 3.6 Where an asset is fully depreciated, it will be carried at a residual value of Re.1 in the Balance Sheet and will not be further depreciated. Therefore, depreciation is calculated on the additions of each year separately at the rate of depreciation application for that asset head.

- 3.7 Assets created out of Earmarked Funds and funds Sponsored Projects, where the ownership of such assets vests in the Institution, are setup by credit to Capital Fund and merged with the Fixed Assets of the Institution. Depreciation is charged at the rates applicable to the respective assets. Assets created out of Sponsored Project funds, where the ownership is retained by the sponsors but held and used by the Institution are separately disclosed in the Notes on Accounts.
- 3.8 Assets, the individual value of each of which is Rs. 2000 or less (except Library Books) are treated as Small Value Assets, 100% depreciation is provided in respect of such assets at the time of their acquisition. However, physical accounting and control are continued by the holders of assets.

#### 4. INTANGIBLE ASSETS : NIL

5. **STOCKS:** Expenditure on purchase of chemicals, glassware, publications and other stores is accounted as revenue expenditure, except that the value of closing stocks held 31<sup>st</sup> March is set up as inventories by reducing the corresponding Revenue Expenditure on the basis of information obtained from Departments. They are valued at cost.
6. **RETIREMENT BENEFITS:** The Actual payments of Pension, Gratuity and Leave encashment are debited in the Accounts to the respective provisions. Other retirement benefits viz. Deposit Linked Insurance, Contribution to New Pension Scheme, Medical reimbursement to retired employees and Travel to Home on retirement are accounted on accrual basis (actual payments plus outstanding bills at the end of the year).

#### 7. INVESTMENTS

- a) Long term investments are carried at their cost or face value whichever is lower. However any permanent diminution in their value as on the date of the Balance Sheet is provide for.
- b) Short Term investments are carried at their cost or market value (if quoted) whichever is lower.

#### 8. EARMARKED/ENDOWMENT FUNDS

The Pension fund is earmarked for specific purpose. The fund has a separate bank account

#### 9. GOVERNMENT AND UGC GRANTS

- 9.1 Government Grant and UGC grants are accounted on realization basis. However, where a sanction for release of grant pertaining to the financial year is received before 31 “March and the grant is actually received in the next financial year, the grant accounted on accrual basis and an equal amount is shown as recoverable from the Granter.
- 9.2 To the extent utilized capital expenditure, (on accrual basis) government grants and grants from UGC are transferred to the Capital Fund.
- 9.3 Government and UGC grants for meeting Revenue Expenditure (on accrual basis) are treated, to the extent utilized, as income of the year in which they are realized.
- 9.4 Unutilized grants (including advances paid out of such grants) are carried forward and exhibited as a liability in the Balance Sheet.

10. **INVESTMENTS OF EARMARKED FUNDS AND INTEREST INCOME ACCRUED ON SUCH INVESTMENTS:** To the extent not immediately required for expenditure, the amounts available against such funds are invested in approved Securities & Bonds or deposited for fixed term with Banks, leaving the balance in Saving Bank Accounts.

**11. SPONSORED PROJECTS:**

- 11.1 In respect of ongoing Sponsored Projects, the amounts received from sponsors are credited to the head "Current Liabilities and Provisions-Current Liabilities-Other Liabilities –Receipts against ongoing sponsored projects." As and when expenditure is incurred /advances are paid against such projects, or the concerned projects account is debited with allocated overhead charges, the liability account is debited.
- 11.2 In addition to the Earmarked Fund for the Junior Research Fellowships funded by the University Grants Commission, Fellowships and Scholarships are also sponsored by various organizations. These are accounted in the same way as Sponsored Projects expect that the expenditure generally is only on disbursement of Fellowships and Scholarships, which may include allowances for contingent expenditure by the Fellows and scholars.
- 11.3 The Institution itself also awards Fellowships and Scholarships, which are accounted as Academic expenses.

- 12. INCOME TAX:** The income of the Institution is exempt from Income Tax under Section 10(23c) of the Income Tax Act. No provision for tax is therefore made in the accounts.

**SCHEDULE: 24****CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS (ILLUSTRATIVE)****1. CONTINGENT LIABILITIES: NIL****2. FIXED ASSETS:**

**2.1** Additions in the year to Fixed Assets in Schedule 4 include Assets purchased out of Plan Funds.

**2.2** In the Balance Sheet as on 31.3.2018 and the Balance Sheets of earlier years Fixed Assets created out of plan funds.

- 3. CURRENT ASSETS, LOANS, ADVANCES AND DEPOSITS:** In the opinion of the Management the current assets, Loans, Advances and Deposits have a value on realization in the ordinary course, equal at least to the aggregate amount shown in the Balance Sheet.

- 4.** The details of balances in Saving Bank Accounts, Current Accounts and Fixed Deposit Accounts with Banks are enclosed as attachment 'A' to the Schedule of Current Assets.

- 5.** Previous year's figures have been regrouped wherever necessary.

- 6.** During the current year Capital and Corpus fund schedule bifurcated to Sch 1 A capital. Fund and Sch 1 B to Corpus Fund as per Corpus accounts maintained.

- 7.** Schedules 1 to 24 are annexed to and form an integral part of the Balance sheet at 31<sup>st</sup> March 2018 and the Income & Expenditure account for the year ended on that date.

**NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (H.P)  
GENERAL PROVIDENT FUND  
RECEIPTES AND PAYMENTS ACCOUNT  
FOR THE YEAR 1/4/2017 TO 31/3/2018**

<b>PREVIOUS YEARS (Rs.)</b>	<b>RECEIPTS HEAD OF ACCOUNT</b>	<b>AMOUNT (Rs.)</b>
295,981,339.64	CASH IN BAND	325,958,066.82
54,152,337.00	SUBSCRIPTION	53,711,900.00
1,561,150.00	REFUND OF ADVANCE	1,308,900.00
15,110,507.18	BANK INTEREST	35,962,677.00
<u>366,805,333.82</u>		<u>416,941,543.82</u>
	PAYMENT	
1,010,500.00	TEM. ADVANCE TO STAFF	2,980,000.00
39,836,767.00	WITHDRAWAL	61,310,248.00
0.0	BANK CHARGES	0.00
325,958,066.82	CLOSING BANK BALANCE	352,651,295.82
<u>366,805,333.82</u>		<u>416,941,543.82</u>

**DY. REGISTRAR (ACCOUNTS)  
NIT, HAMIRPUR (HP).**

**REGISTRAR  
NIT, HAMIRPUR (HP)**

**DIRECTOR  
NIT, HAMIRPUR (HP)**

**NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (H.P)**  
**GENERAL PROVIDENT FUND**  
**INCOME AND EXPENDITURE ACCOUNT**  
**FOR THE YEAR 1/4/2017 TO 31/3/2018**

<b>PREVIOUS YEARS (Rs.)</b>	<b>RECEIPTS HEAD OF ACCOUNT</b>	<b>AMOUNT (Rs.)</b>
23,781,359.00	Interest credited to the	26,020,128.00
0.00	Subscribers accounts	0.00
	Bank Charges	
(-) 6,062,833.82	Excess of + Income/-loss	7,782,103.12
<u>17,718,525.18</u>		<u>33,802,231.12</u>
	<b>INCOME</b>	
	Income from Investment	
15,110,507.18	Bank Interest received	35,962,677.00
19,688,239.00	Add: Interest due for 2017-18	17,527,793.12
<u>17,080,221.00</u>	Less : Due of year 2016-17	<u>19,688,239.00</u>
<u>17,718,525.18</u>		33,802,231.12
<u>17,718,525.18</u>		<u>33,802,231.12</u>

**DY. REGISTRAR ACCOUNTS,  
NIT, HAMIRPUR (HP).**

**REGISTRAR,  
NIT, HAMIRPUR (HP).**

**DIRECTOR,  
NIT, HAMIRPUR (HP).**

**NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR (H.P)**  
**GENERAL PROVIDENT FUND**  
**BALANCE SHEET**  
**AS ON 31/3/2018**

PREVIOUS YEARS (Rs.)	HEAD OF ACCOUNT	AMOUNT (Rs.)	
	<b>LIABILITIES</b>		
	<b>Subscription Account (PF Contribution)</b>		
382,296,907.55	Upto 2017	436,449,244.55	
<u>54,152,337.00</u>	During the year	<u>53,711,900.00</u>	
<b>436,449,244.55</b>		<b>490,161,144.55</b>	
	Add: Interest		
154,850,430.45	Upto 2017	178,631,789.45	
<u>23,781,359.00</u>	During the year	<u>26,020,128.00</u>	
<b>178,631,789.45</b>		<b>204,651,917.45</b>	
	Less: Withdrawal		
236,727,341.00	upto 2017	276,564,108.00	
<u>39,836,767.00</u>	During the year	<u>61,310,248.00</u>	
<b>276,564,108.00</b>		<b>337,874,356.00</b>	<b>356,938,706.00</b>
338,516,926.00			
	<b>Income &amp; Expenditure Account</b>		
13,880,428.64	upto 2017	7,817,594.82	
<u>-6,062,833.82</u>	during the year	<u>7,782,103.12</u>	15,599,697.94
7,817,594.82			
<b>346,334,520.82</b>			<b>372,538,403.94</b>
	<b>ASSETS</b>		
	<b>Temporary Advance</b>		
31,971,548.00	upto 2017	32,982,048.00	
<u>1,010,500.00</u>	During the year	<u>2,980,000.00</u>	
32,982,048.00		35,962,048.00	
	Less: Refund		
30,732,683.00	upto 2017	32,293,833.00	
<u>1,561,150.00</u>	During the year	<u>1,308,900.00</u>	
<b>32,293,833.00</b>		<b>33,602,733.00</b>	<b>2,359,315.00</b>
688,215.00			
	<b>Bank Interest Accured</b>		
17,080,221.00	Opening Balance	19,688,239.00	
<u>19,688,239.00</u>	Add : (C-Year accured)	<u>17,527,793.12</u>	
36,768,460.00		37,216,032.12	
<u>17,080,221.00</u>	Less: Interest received on Maturity	19,688,239.00	17,527,793.12
<u>19,688,239.00</u>			
<b>325,958,066.82</b>	<b>Closing Balance Bank</b>		<b>352,651,295.82</b>
<b>346,334,520.82</b>			<b>372,538,403.94</b>

**DY. REGISTRAR ACCOUNTS**  
**NIT, HAMIRPUR (HP).**

**REGISTRAR**  
**NIT, HAMIRPUR (HP)**

**DIRECTOR**  
**NIT, HAMIRPUR (HP)**

## List of Assets Purchase During the year 2017-18 in Construction Cell , NIT, Hamirpur (HP)

"Annexure-B"

Sr.No	Name of Gurantee Institution	No. & date of sanction	Amount of sanction grant	Brief purpose of the Grant	Whether any condition regarding the right of ownership of Govt. in the property or other assets acquired out of the grants as incorporated in the grants -in - aid sanctioned.	Particulars of assets actually credited or acquired	Qty.	Amount as on 31.3.2018	Purpose for which utilized
	NIT, Hamirpur	F.No.34-2/2/2013-TS-111 Dated 4/6/2013 & 27/12/2013		Development of the department labs for Students Practiced knowledge	Yes				For lab work by the students
1	do	do		do	do	R/M of various residential building and Non residential building, Streetlight Sub station (Supply of various Elect material)		1903951.00	-do-
2	do	do		do	do	Shifting of main sewerage line of NIT, Campus along National Highway.		279946.00	-do-
3	do	do		do	do	Repair & Maintenances of Chiller Unit of Auditorium of NIT, Hamirpur.		439820.00	-do-

4	do	do		do	do	Balance work of Augmentation of sewer line of kailash Boys Hostel & Dhauladhar Boys Hostel in NIT, Hamirpur.	155322.00	-do-
5	do	do		do	do	Replacement of AC's of server rooms at Computer NIT, Hamirpur.	435633.00	-do-
6	do	do		do	do	Providing working platforms in the various labs of Chemical Engg. Deptt.	464549.00	-do-
7	do	do		do	do	Renovation of Kitchen Type -V Qtrs.-	321211.00	-do-
8	do	do		do	do	Providing additional geysers Exhaust fans and replacement of unserviceable Geysers in various Hostel in NIT Hamirpur.	1313263.00	-do-
9	do	do		do	do	Providing installation of all weather Ac's curtain in the TPO cell at top floor of central Block NIT, Hamirpur.	1145385.00	-do-
10	do	do		do	do	Repair & Up gradation of Class room & labs Conference Hall of Elect. Engg. Deptt. (SH:-Elect work)	836341.00	-do-
11	do	do		do	do	Providing air conditioners in HOD Office faculty room office Class Rooms office Class and labs.	894027.00	-do-
12	do	do		do	do	Repair & Maintenance of Class rooms labs and Conference Hall of Elect. Engg. Deptt. (SH:- Civil work)	1604520.00	-do-

13	do	do		do	do	Supply of water Tank and sanitary fitting for various building NIT, Hamirpur.		782185.00	-do-
14	do	do		do	do	Providing Furniture for new ST Girls Hostel (SH:- Supply of Dinning Chairs)		861360.00	-do-
15	do	do		do	do	Repair & Maintenance of Computer Science & Engg. Deptt. (SH:-Civil work)		462448.00	-do-
16	do	do		do	do	Painting & Distempering of various non residential building (SH:- CED, MED, Arch. Deptt. & Library Building Internal work)		1714216.00	-do-
17	do	do		do	do	Extension of Balcony in Type-V Residence (505 to 517) at NIT Hamirpur.		775983.00	-do-
18	do	do		do	do	Providing & Fixing blind curtains in the Chemical Engg. Deptt. NIT Hamirpur.		220581.00	-do-
19	do	do		do	do	Providing power wiring to 170 Nos Computer System at Microprocessor Lab & AC's		685719.00	-do-
20	do	do		do	do	Renovation of Ground Floor toilets in Elect .Engg. Deptt.		344822.00	-do-
21	do	do		do	do	Renovation of HOD Room Conference Hall/PA Room in Elect. Engg. Deptt. ( SH:- Civil Work)		1325406.00	-do-
						G: Total:		16966688.00	