

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

**ANNUAL REPORT & ANNUAL ACCOUNTS
2018-19**



(AUTHENTICATED)

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

Dated:-

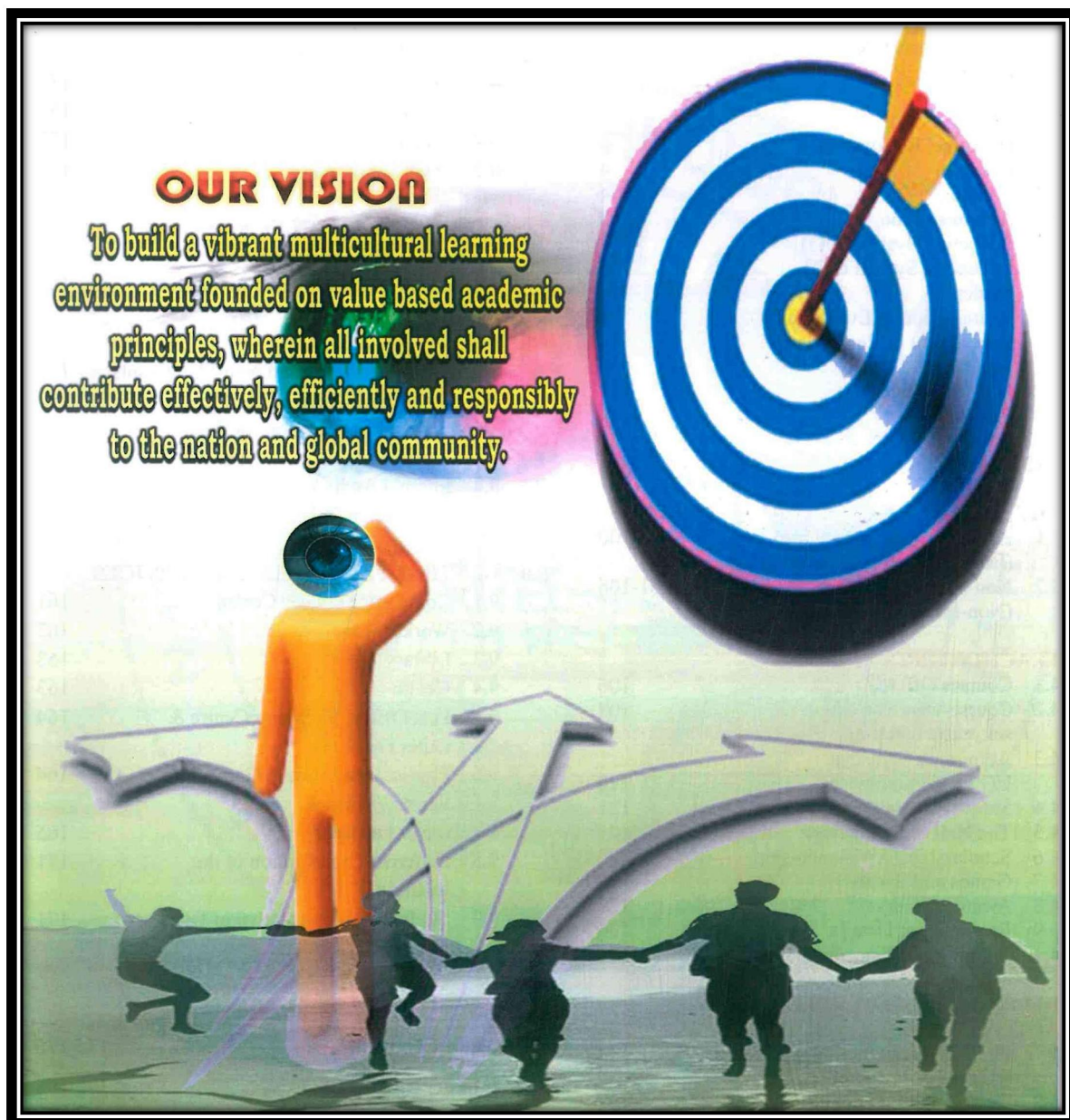
**NATIONAL INSTITUTE OF TECHNOLOGY
HAMIRPUR (HP)—177 005**



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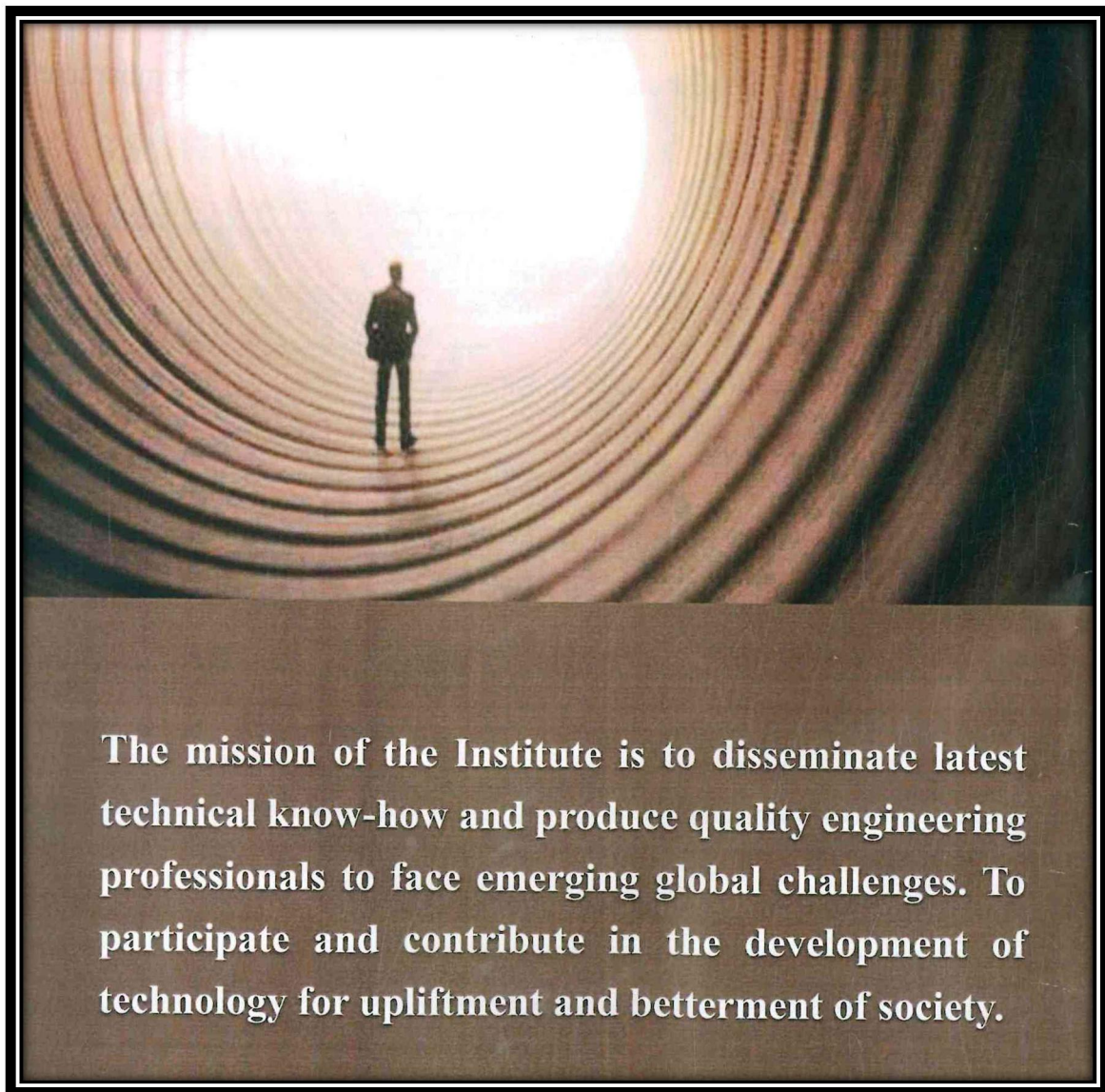
1.0 INTRODUCTION



1.2***Guiding Principle***

- Offering instructions in Engineering 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



The mission of the Institute is to disseminate latest technical know-how and produce quality engineering professionals to face emerging global challenges. To participate and contribute in the development of technology for upliftment and betterment of society.

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. 15th August, 2007, the NIT Hamirpur is enjoying the status of Institution of National Importance.

2.2 LOCATION

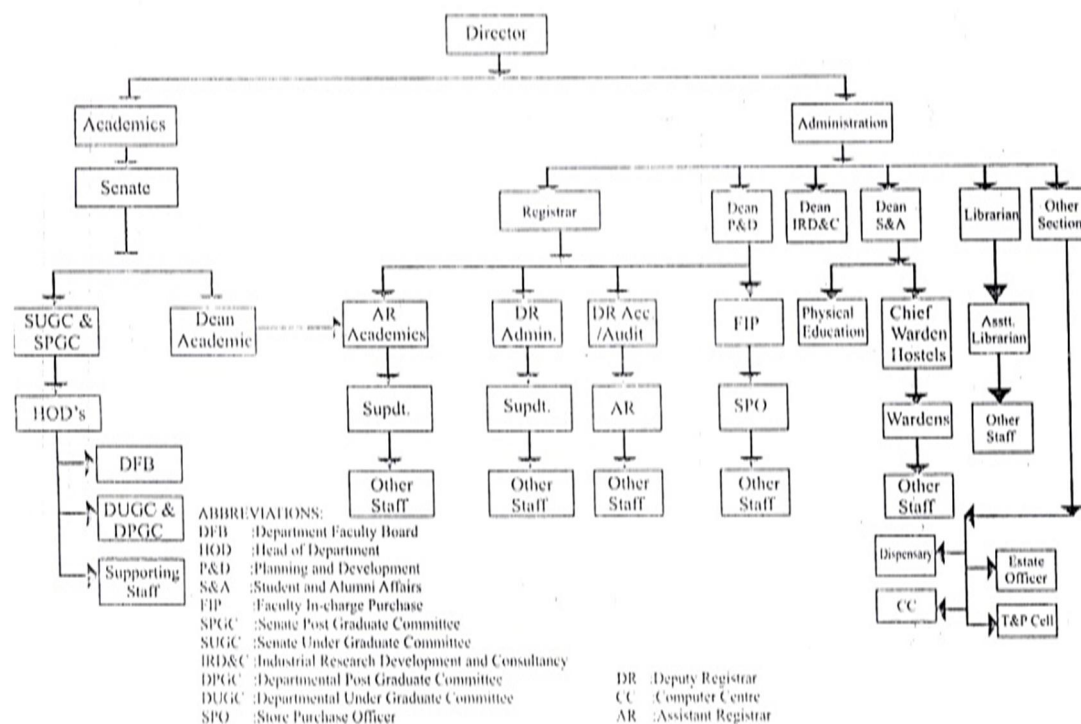
The Institute campus is located on Hamirpur-Awah Devi Road on the outskirts of the Hamirpur town, at a distance of about four (04) kilometer from the bus stand Hamirpur. It is well connected by road from Shimla, Dharmashala, Delhi, Chandigarh, Jalandhar and nearby cities by all weather road. The nearest 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 air link 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.

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 SBPC 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 trainings 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 SBPC and for 2nd, 3rd, 4th and 5th 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, DBPC and Registration Advisors. The SBPC 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 DBPC 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 SYTEM (PG)

(i) 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:
 - free and objective enquiry
 - courage and integrity
 - 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 Master Programme. The Departmental Master Programme Committee (DMPC) ensures that all the Rules and Procedures given in ordinances for Masater Programme 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 SMPC 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 Master 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 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	Chemical Engineering.	Chemical Technology
10	Chemistry Engineering	

M.Sc.

Department
Physics
Chemistry
Mathematics

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) (ii)	VLSI (VDAT) Communication System & Networks
Mechanical Engineering	(i) (ii)	Thermal Engineering (CFD & HT) CAD-CAM
Architecture	(i)	Sustainable Architecture

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 1st 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 1st 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 1st and 2nd year which shall be increased to Rs.25,000/-pm. from 3rd 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 3449. 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	$X \geq 85\%$ and above
AB	$85\% \geq X \geq 75\%$
B	$75\% \geq X \geq 65\%$
BC	$65\% \geq X \geq 55\%$
C	$55\% \geq X \geq 45\%$
D	$45\% \geq X \geq 40\%$
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%
Total	100

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 -3rd Sem	Dissertation- 4th 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: XXYZZ			
XX: Dept/Centre Code, Y: Level of Course, ZZ: Specific Code for Course			
YZZ			
Programme Core	Programme/Open Electives	Seminar	Dissertation
600 to 699	700 to 799	800	801

XX Codes 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 DMPC. The evaluation pattern of the course shall be decided in the respective DMPC.

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
Total			15	0	3	18	17

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
Total			15	0	3	18	17

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 th Sem)				24	12
Total						30	16

FOURTH SEMESTER

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

Programme Electives

XX-700

XX-701

Open Electives

XX-750

XX-751

LIST OF REGISTERED STUDENTS 2018-2019**(1st, 3rd, 5th, 7th & 9th Semester)****2.11 1st. Year 1st. Semester: (2018-2019):**

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
2017-18																
CE	36	06	42	13	3	16	7	1	8	29	6	36				102
										PWD =1						
EE	36	06	43	12	2	14	6	1	7	22	4	26				90
	PWD=1															
ME	44	09	53	15	2	17	6	1	7	25	3	29			2 (Male)	108
										PWD =1						
E&CE	33	12	47	11	4	15	7	1	9	18	7	25			1 (Female)	97
	PWD 02							PWD =1								
Dual Degree ECE	24	06	30	7	2	9	3	2	5	12	2	14			1 Male	58
CSE	38	09	47	11	3	14	5	2	7	25	4	29				100
Dual Degree CSE	23	04	29	6	2	8	4	1	5	13	4	17				60
	PWD 02															

Chemical Engg	23	06	30	7	2	9	3	1	4	12	2	14					57
	PWD =1																
Arch	10	07	17	7	3	10	1	3	4	9	2	12					43
											PWD =1						
Mat.Sc	10	02	12	2	1	3	1	1	2	6	1	7					24
Total (1)	277+6 = 283	67	350	91	24	115	43	14+1 =15	58	171+2 =173	35+1 =36	209			7		739

Total 732+ 7 DASA = 739

LIST OF REGISTERED STUDENTS 2018-2019**(1st, 3rd, 5th, 7th & 9th Semester)****2nd Year 3rd Semester: (2018-2019):**

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
2018-19																
CE	80 OP PH 01	06	86	11	03	14	07	0	07	24	0	24	0	0	0	0
EEE	79 OBC PH 01	13	92	14	0	14	06	01	07	21	02	23	0	0	0	0
ME	88 OBC PH 02	03	91	14	0	14	06	0	06	24	0	24	0	01 Male	01 Male	02
E&CE	69 OP PH 01	20	89	10	04	14	01	05	06	22	03	25	0	01 Male	01 Female	02
CSE	85 SC PH 02 OBC PH 01 OP PH 01	06	91	11	02	13	06	0	06	23	01	24	0	0	01 Male	01
Chemica l Engg	47 OP PH 0110	12	59	05	04	09	03	02	05	14	02	16	0	0	0	0

Dual Degree CSE	48 SCPH 01	10	58	08	01	09	03	02	05	15	01	16	0	0	0	01Male	01
Dual Degree ECE	46 OP PH 01	13	59	07	02	09	04	01	05	10	04	14	0	0	0	0	0
Arch.	25	15	40	07	02	09	02	0	02	07	04	11	0	0	0	0	0
Mat. Sc.	20	02	22	03	01	04	01	0	01	08	01	09	0	0	0	0	0
	OP PH 01																
Total (1)	587	100	687	90	19	109	39	11	50	168	18	186	0	02	04	06	

3rd Year 5th. Semester (2018-2019) :

Course	All Communities				Scheduled Caste			Scheduled Tribe			OBC			Foreign candidate under ICCR/MEA/DASA scheme			
2017-18	B	G	Total	B	G	Total	B	G	Total	B	G	Total	ICCR (SS)	MEA (WS)	DASA	Total	
CE	81 OBC PH 01	09	90	11	03	14	07	0	07	22	04	26	0	01 Male	0	01	
EEE	65 SC PH 01 OPPH 01	20	85	07	05	12	06	01	07	20	06	26	0	0	0	0	
ME	85 OPPH 01	03	88	12	01	13	06	01	07	22	01	23	0	01 Male	01 Male	02	
E&CE	69 OPPH 01 OBC PH 01	22	91	06	07	13	04	03	07	20	04	24	01 Male	03 Male	0	04	
CSE	69 OPPH 01	20	89	12	01	13	04	02	06	20	05	25	0	02 Female +Male	01 Nepal Male	03	
Chemical Engg	39	09	48	06	0	06	01	01	02	122	02	14	0	0	0	0	

Dual Degree CSE. 05 year	36	20	56	04	04	06	10	06	16	0	0	0	0	0
	OPPH 02													
Dual Degree ECE. 05 year	39	05	44	07	01	08	03	0	03	02	15	0	0	0
	OPPH 02													
Arch.	25	08	33	04	01	05	03	01	04	0	06	0	0	0
	OPPH 01													
Total (2)		116	624	69	21	90	38	09	47	145	30	175	01	10

4th Year 7th Semester: (2018-19)

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
2018-19																
CE	87	02	89	14	0	14	07	0	07	24	01	25	0	01	0	01
	PH 01															

EEE	77	OPPH 01 OBCPH 01	09	86	14	0	14	06	01	07	19	04	23	0	0	0	0
ME	87	OPPH 01 STPH 01 OBCPH 01	01	88	14	0	14	07	0	07	25	0	25	0	0	0	0
E&CE	59	OBCPH 01	27	86	10	04	14	06	01	07	16	08	24	0	1 Female	0	01
CSE	69	OBCPH 01	15	84	11	02	13	06	0	06	22	03	25	0	0	0	0
Chem. Engg.	46		08	54	06	01	07	04	0	04	11	03	14	0	0	0	0
Dual Degree CSE 05 yrs	41		10	51	05	04	09	03	0	03	14	01	15	0	0	0	0
Dual Degree (ECE)	40	OPPH 01	09	49	09	0	09	02	02	04	12	02	14	0	0	0	0
Arch.	28	OPPH 01	11	39	04	01	05	01	01	02	09	02	11	0	0	0	0
Total (3)	534		92	626	87	12	99	42	05	47	152	24	176	0	02	0	02

5th Year 9th Semester: (2018-2019)

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
2018-19																
Arch. Total	25	17	42	05	0	05	02	02	04	08	04	12	0	0	01	01
Dual degree (CSE)	52	07	59	07	01	08	03	01	04	17	0	17	0	0	0	0
	77	24	101	12	01	13	05	03	08	25	04	29	0	0	01	01

M.Tech. /M.Sc. 1st year (1st Semester) 2018-19

Deptt.	Male	Female	Total	OP	SC	ST	OBC	Total	Full time	Part time	Total
Civil(01 PWD)	47*	09	56	25*	09	06	16	56	-	-	-
Elect.	31	05	36	19	04	01	12	36	-	-	-
Mech.	27	0	27	13	04	01	09	27	-	-	-
E&CE	13	04	17	07	02	01	07	17	-	-	-
CSE	12	08	20	14	03	0	03	20	-	-	-
Arch.	08	02	10	06	02	0	02	10	-	-	-
CEEE	27	01	28	11	07	01	09	28	-	-	-
CMSE	12	0	12	06	01	01	04	12	-	-	-
Chemical Tech.	01	01	02	01	0	0	01	02	-	-	-
M&H	17	08	25	18	05	01	01	25	-	-	-
Total	195	38	233	120	37	12	64	233	-	-	-
M.Sc. Physics	13	04	17	06	03	0	08	17	-	-	-
M.Sc. Chemistry	08	06	14	06	02	01	05	14	-	-	-
M.Sc. Math	08	07	15	04	01	01	09	15	-	-	-
Total :	29	17	46	16	06	02	22	46	-	-	-
Total M.Tech. /M.Arch /MBA/ M.Sc.	224	55	279	136	43	14	86	279	-	-	-

M.Tech. /M.Sc. 2nd year (3rd Semester)

Deptt.	Male	Female	Total	OP	SC	ST	OBC	Total	Full time	Part time	Total
Civil(01 PWD)	38	10	48	24	08	01	15	48	-	-	-
Elect.	24	02	26	13	02	0	11	26	-	-	-
Mech. (01*PWD)	22	03	25	13	04	01	07	25	-	-	-
E&CE	13	06	19	07	05	0	07	19	-	-	-
CSE	12	06	18	11	02	0	05	18	-	-	-
Arch.	07	02	09	06	02	0	01	09	-	-	-
CEEE	20	05	25	11	06	01	07	25	-	-	-
CMSE	09	02	11	06	01	0	04	11	-	-	-
M&H	06	05	11	07	02	0	02	11	-	-	-
Chemical Tech.	0	0	0	0	0	0	0	0	-	-	-
Total	151	41	192	98	32	3	59	192	-	-	-
M.Sc. Physics	08	05	13	07	03	0	03	13	-	-	-
M.Sc. Chemistry	12	06	18	09	03	01	05	18	-	-	-
M.Sc. Math	05	11	16	10	01	01	04	16	-	-	-
Total :	25	22	47	26	07	02	12	47	-	-	-
Total M.Tech. /M.Arch /MBA/ M.Sc.	176	63	239	124	39	04	71	239	-	-	-

Ph.D Registration 1st Semester July 2018:

Deptt.	Male	Female	Total	OP	SC	ST	OBC	Total	Full time	Part time	Total
Civil	04	01	05	03	01	--	01	05	-	-	-
Elect.	02	01	03	02	-	--	01	03	-	-	-
Mech. (01 QIP)	06*	-	06	03	02	--	01	06	-	-	-
E&CE	02	03	05	04	01	--	-	05	-	-	-
CSE	02	02	04	03	01	--	-	04	-	-	-
Arch.	01	-	01	-	0	--	01	01	-	-	-
Physics	-	-	0	-	0	--	-	-	-	-	-
Chemistry	01	05	06	05	0	--	01	06	-	-	-
Math.	03	02	05	02	01	--	02	05	-	-	-
M&H	-	-	0	-	0	--	-	-	-	-	-
CEEE	01	--	01	01	0	--	-	01	-	-	-
CMSE	03		03	01	01	--	01	03	-	-	-
Total	25	14	39	24	07	--	08	39	-	-	-

Ph.D Registration 2nd Semester onwards:

Deptt.	Male	Female	Total	OP	SC	ST	OBC	Total	Full time	Part time	Total
Civil	20	02	22	18	01	01	02	22	19	03	22
Elect.	10	03	13	10	01	0	02	13	10	03	13
Mech.	07	0	07	05	02	0	0	07	05	02	07
E&CE	15	06	21	17	03	0	01	21	15	06	21
CSE	08	07	15	08	03	0	04	15	10	05	15
Arch.	04	03	07	05	01	0	01	07	03	04	07
Physics	04	01	05	03	01	0	01	05	04	01	05
Chemistry	0	12	12	09	02	01	0	12	12	0	12
Math.	04	03	07	04	0	0	03	07	07	0	07
M&H	02	02	04	03	01	0	0	04	02	02	04

CEEE	04	0	04	04	0	0	0	04	04	0	04
CMSE	05	0	05	02	02	0	01	05	03	02	05
Total	83	39	122	88	17	02	15	122	94	28	122

Summary :

Course	All Communities			Schedule Caste			Schedule 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
2018-19	2296	474	2770	349	77	426	167	43	210	883	112	775	01 Male	11 (09 Male)	14	26
B.Tech./ B. Arch. / Dual Degree														02 Female)	10 (Male)	
M.Tech/ M. Arch	323	66	389	49	11	60	11	02	13	96	27	123	0	0	0	0
MBA	23	13	26	03	04	07	01	0	01	01	02	03	0	0	0	0
MSC	54	39	93	11	02	13	02	02	04	20	14	34	0	0	0	0
Ph.D	108	53	161	18	06	24	0	02	02	21	03	24	0	0	0	0
Grand Total	2804	645	3439	430	100	530	181	49	230	1021	158	959	0	0	0	0

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 2nd 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 2018

ARCHITECTURE

1	ANCHAL NEGI	13605	8.39
2	VIDISHA BARWAL	13601	7.97

CIVIL ENGINEERING

1	ARUN PATHANIA	14136	9.46
2	RAJAT KUMAR MAHAJAN	14112	9.45

COMPUTER SCIENCE & ENGINEERING

1	GURPREET SINGH	14538	9.24
2	SUNAKSHI TEJWANI	14561	9.10

ELECTRONICS AND COMMUNICATION ENGINEERING

1	RITTIK SOOD	14422	9.72
2	ASIF ALI MEHMUD	14442	9.44

ELECTRICAL & ELECTRONICS ENGINEERING

1	SHIVAM KANSRA	14221	9.19
2	YOGESH KUMAR	14223	9.09

MECHANICAL ENGINEERING

1	MOHIT SINGH	14303	9.21
2	ISHANT JASWAL	14326	9.16

CHEMICAL ENGINEERING

1	NAVDEEP SHARMA	14743	9.65
2	ANJALI YADAV	14745	9.36

CIVIL ENGINEERING (GEOTECHNICAL ENGINEERING & UNDERGROUND STRUCTURE)			
SR. NO.	NAME	ROLL NO.	CGPI
1	VISHAL PANWAR	16M110	8.68
CIVIL ENGINEERING (STRUCTURE ENGINEERING)			
1	Aman Choudhary	16M132	8.95
CIVIL ENGINEERING (TRANSPORTATION SYSTEM ENGINEERING)			
1	Bhatia Samarth Yogesh	16M152	9.34
CIVIL ENGINEERING (WATER RESOURCE ENGINEERING)			
1	Akshita	16M162	9.21
ELECTRICAL ENGINEERING (POWER SYSTEM)			
1	Sukriti Tiwari	16M202	8.5
ELECTRICAL ENGINEERING (SIGNAL PROCESSING AND CONTROL)			
1	Ajul Dinesh	16M232	8.55

ELECTRICAL ENGINEERING (CONDITION MONITORING CONTROL AND PROTECTION OF ELECTRICAL APPARATUS).

1	Kingshuk Chatterjee	16M263	8.61
MECHANICAL ENGINEERING (THERMAL ENGINEERING)			
1	Deepak Kumar	16M304	9.08
MECHANICAL ENGINEERING (CAD/CAM)			
1	Shagun Sharma	16M329	8.97
ELECTRONICS & COMMUNICATION ENGINEERING (VLSI DESIGN AUTOMATION & TECHNIQUES).			
1	Anuja Singh	16 M 404	9.34
ELECTRONICS & COMMUNICATION ENGINEERING (COMMUNICATION SYSTEMS & NETWORKS).			
1	Rahul Priyadarshi	16M 430	9.39
COMPUTER SCIENCE & ENGINEERING (COMPUTER SCIENCE & ENGINEERING)			
1	Vibha Jain	16M507	9.58
COMPUTER SCIENCE & ENGINEERING (MOBILE COMPUTING).			
1	Aastha Maheshwari	16M528	9.37
MATERIAL SCIENCE AND ENGINEERING			
1	Sadiq Mohmood	16M603	9.13
ENERGY AND ENVIRONMENT ENGINEERING (Engineering Technology)			
1	Faisal Ali	16M711	9.07

ENERGY & ENVIRONMENTAL ENGINEERING
(Environmental Engineering)

1	Namrata Bharti	16M732	8.58
Architecture (Sustainable Architecture)			
1	Simi Sathyan	16 M802	8.80
Management & Humanities			
1	Snigdha	16M909	9.26

DIRECTOR MEDAL TO BEST ALL ROUNDER-2018

Sr. No.	Roll No.	Branch	Name	Medal
1	14422	Electronics & Communication Engineering	Mr. Rittwik Sood	Gold

Mr. Rittwik Sood S/O Sh. Sanjay Sood, Roll No. 14422, B.Tech. Final year Electronics & Communication Engineering.

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	
Civil Engineering	37	03	03	74	04	04	150
Electrical Engineering		04	04		06	06	
Mechanical Engineering		03	03		06	06	
Computer Science & Engineering		01	01		03	03	
Electronic & Communication Engineering		02	02		05	05	
Architecture		02	02		01	01	
Mathematics		02	02		01	01	
Physics		00	00		03	03	
Chemistry		01	01		02	02	
Humanities & Social Sciences		01	01		02	02	
Centre for Energy & Environment		01	01		01	01	
Centre for Material Science & Engineering		01	01		01	01	
Training & Placement		00	00		00	00	
Physical Education		00	00		01	01	
Chemical		00	00		00	00	
Management		00	00		00	00	
Total		21	21		36	36	88
							145

2.15.2 Head of the Institute :

Sr. No.	Name of the post	Sanctioned strength	In position
1	Director	01	01
	Total	01	01

Academic Staff:

Sr. No.	Name of the post	Sanctioned strength	In position
1	Professor	37	21
2	Associate Professor	74	36
3	Assistant Professor	150	88
	Total	261	145

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	05
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
	Total	26	17

* 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	01
2	Sr. Technical Assistant/ Assistant Engineer/ Sr. SAS Assistant/ Pharmacist SG-II	23	06
3	Technical Assistant (SG –II) Assistant Executive Engineer SAS Assistant (SG-II)/Pharmacist SG-I	16	13
4	Technical Assistant (SG-I) Executive Engineer, SAS Assistant (SG-I)	08	01
	Total	78	21

(C) Technical Lower:

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1	Technician , Lab. Assistant, Work Assistant, Driver	31	04
2	Sr. Technician, Sr. Lab Assistant, Sr. Work Assistant	23	07
3	Technician (SG-II), Lab Assistant (SG-II), Work Assistant (SG-II), Pharmacist	16	16
4	Technician (SG-I), Lab Assistant(SG-I), Work Assistant (SG-I)	08	04
Total		78	31

(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
Total		21	17

(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
Total		45	39

(F) Supporting Staff:

Sr. No.	Name of the Post	Sanctioned Strength	In Position
1	Attendant/ Security Guard/ Mali/ Care Taker (Higher Scale)	16	..
2	Sr. Attendant/ Security Guard/ Mali/ Care Taker	12	20
3	Attendant/ Security Guard/ Mali/ Care Taker (SG-II)	08	26
4	Attendant/ Security Guard/ Mali/ Care Taker (SG-I)	03	09
Total		39	55
Total (A to F)		287	

2.15.7 Fresh Appointment faculty (Regular)- 32

Sr. No.	Name of Faculty	Designation	Name of Deptt/Centre
1	Dr. Rashmi Kumari	Asstt. Prof. GrII	Architecture
2	Dr. Subhadip Biswas	Asstt. Prof. GrII	Civil
3	Dr. Debshri Swargiary	Asstt. Prof. GrII	Civil
4	Dr. Joseph Tripura	Asstt. Prof. GrII	Civil
5	Dr. Joy Pal	Asstt. Prof. GrII	Civil
6	Dr. R Jeyasenthil	Asstt. Prof. GrII	Elect.
7	Dr. Anil Kumar Yadav	Asstt. Prof. GrII	Elect.
8	Dr. Param Singh	Asstt. Prof. GrII	Mech.
9	Dr. Akhilesh Kumar Choudhary	Asstt. Prof. GrII	Mech.
10	Dr. Santhosh Kumar Gugulothu	Asstt. Prof. GrII	Mech.
11	Dr. Ajoy Debharma	Asstt. Prof. GrII	Mech.
12	Dr. Vinod Yadav	Asstt. Prof. GrII	Mech.
13	Dr. Dilshad Ahmad Khan	Asstt. Prof. GrII	Mech.
14	Dr. Deepak Sharma	Asstt. Prof. GrII	Mech.
15	Dr. Manoj Kumar Sinha	Asstt. Prof. GrII	Mech.
16	Dr. Aman Kumar	Asstt. Prof. GrII	ECE
17	Dr. Amit Bage	Asstt. Prof. GrII	ECE
18	Dr. Saurabh Kumar	Asstt. Prof. GrII	ECE
19	Dr. Dharmendra Singh Yadav	Asstt. Prof. GrII	ECE
20	Dr. Chandra Shekhar Prasad	Asstt. Prof. GrII	ECE
21	Dr. Basant Subba	Asstt. Prof. GrII	CSE
22	Dr. Jatoth Chandrashekar	Asstt. Prof. GrII	CSE
23	Dr. Nagendra Pratap Singh	Asstt. Prof. GrII	CSE
24	Dr. Prakash Choudhary	Asstt. Prof. GrII	CSE
25	Dr. Dharmendra Prasad Mahato	Asstt. Prof. GrII	CSE
26	Dr. Arvind Kumar Gautam	Asstt. Prof. GrII	Chemical
27	Dr. Tara Chand Kumawat	Asstt. Prof. GrII	Chemical
28	Dr. Rita Maurya	Asstt. Prof. GrII	CMSE
29	Dr. Jai Prakash	Asstt. Prof. GrII	Chemistry
30	Dr. Neha Yadav	Asstt. Prof. GrII	Mathematics
31	Dr. Sunder Kala Negi	Asstt. Prof. GrII	M&H
32	Dr. Manoj Kumar Yadav	Asstt. Prof. GrII	M&H

2.15.8 Fresh Appointment of technical staff (Contractual) = Nil**2.15.9 Fresh Appointment of Guest faculty (Contractual)**

Sr. No.	Name of Guest Faculty	Name of Deptt./Centre	Date of joining
1	Ms. Mitali Vavre	ARCH.	31.07.2018 (FN)
2	Ms. Shilpa Sood	ARCH.	30.07.2018 (FN)
3	Mr. Chayan Gupta	CED	25.07.2018 (FN)
4	Mr. Rahul Sharma	CED	17.07.2018 (FN)
5	Mr. Ravi Kumar	CED	17.07.2018 (FN)
6	Ms. Sushma Verma	CED	30.07.2018 (FN)
7	Dr. Vaibhav Sharma	CED	23.07.2018 (FN)
8	Dr. Komal Sharma	CHEMICAL ENGG	18.07.2018 (FN)
9	Dr. Richa Agarwal	CHEMICAL ENGG	16.07.2018 (FN)
10	Dr. Gupta Ravikant Radhysham	CHEMICAL ENGG	16.07.2018 (FN)
11	Mr. Srinath A.	CHEMICAL ENGG	26.07.2018 (FN)
12	Mr. Vineet Kumar Rathore	CHEMICAL ENGG	24.07.2018 (FN)
13	Dr. Rama Gaur	CHEMISTRY	26.07.2018 (FN)
14	Dr. Brij Mohan Mundotiya	CMSE	27.07.2018 (FN)
15	Dr. Himmat Singh Kushwaha	CMSE	16.07.2018 (FN)
16	Mr. Kushal Singh	CMSE	30.07.2018 (FN)
17	Dr. Sacheen Kumar	CMSE	16.07.2018 (FN)
18	Mr. Azad Singh	CSED	19.07.2018 (FN)
19	Ms. Hem Lata	CSED	26.07.2018 (FN)
20	Ms. Juhi Pruthi	CSED	30.07.2018 (FN)
21	Ms. Monika	CSED	17.07.2018 (FN)
22	Ms. Ravneet Kaur	CSED	23.07.2018 (FN)
23	Ms. Roopali	CSED	16.07.2018 (FN)
24	Ms. Shobhna Kashyap	CSED	20.07.2018 (FN)
25	Mr. Vishal Kaushal	CSED	23.07.2018 (FN)
26	Mr. Akshay Mann	ECED	20.07.2018 (FN)
27	Mr. Ashish Singh	ECED	27.07.2018 (FN)
28	Dr. Chandrabhan Kushwah	ECED	16.07.2018 (FN)
29	Mr. Dharmendra Kumar Singh	ECED	26.07.2018 (FN)
30	Ms. Jasleen Kaur	ECED	23.07.2018 (FN)
31	Ms. Mandeep Kaur	ECED	18.07.2018 (FN)
32	Ms. Priya Kaushal	ECED	26.07.2018 (FN)
33	Dr. Puneeta	ECED	16.07.2018 (FN)

34	Ms. Ravneet Kaur	ECED	23.07.2018 (FN)
35	Ms. Sapna Singh	ECED	23.07.2018 (FN)
36	Ms. Shailza Kaundal	ECED	27.07.2018 (FN)
37	Dr. Vindheshwari Prakash Singh	ECED	31.07.2018 (FN)
38	Mr. Kanasottu Anil Naik	EED	23.07.2018 (FN)
39	Dr, Neeraj Gupta	EED	31.07.2018 (AN)
40	Ms. Nikita Gupta	EED	27.07.2018 (FN)
41	Mr. Ravi Kant Visvakarma	EED	30.07.2018 (FN)
42	Dr. Pratima Mishra	M&H	16.07.2018 (FN)
43	Mr. Rajneesh Prakash Verma	M&H	31.07.2018 (FN)
44	Ms. Shiwani Choudhary	M&H	16.07.2018 (FN)
45	Ms. Shubhrika Pansari	M&H	30.07.2018 (FN)
46	Dr. Arun Choudhary	MATH.	16.07.2018 (FN)
47	Dr. Subit Kumar Jain	MATH.	23.07.2018 (FN)
48	Mr. Ankush Sharma	MED	16.07.2018 (FN)
49	Dr. Deepak Sharma	MED	30.07.2018 (FN)
50	Mr. Parmod Kumar	MED	30.07.2018 (FN)
51	Mr. Vipin Soni	MED	30.07.2018 (FN)
52	Dr. Tulsi Anna	PHYSICS	30.07.2018 (FN)

2.15.10 Staff Relieved on Lien (EOL/Deputation-cum-Study Leave)/QIP

Sr. No.	Name	Designation
1	Prof. Lalit Kumar Awasthi	Professor
2	Prof. Rakesh Sehgal	Professor
3	Dr. Raman Parti	Professor
4	Dr. Minakshi Jain	Professor
5	Er. K.S.Pandey	Associate Professor
6	Mrs. Amanjeet Kaur	Assistant Professor
7	Er. Bharti Kaul	Assistant Professor
8	Er. Sandeep Sharma	Assistant Professor
9	Er. Gagnesh Kumar	Assistant Professor

2.15.11 Fresh appointment of Ministerial Staff/ Officers:-

Sr. No.	Name of Guest Faculty	Name of Post	Date of joining
1	Sh. Satish Chander Sharma	Deputy Registrar	08.02.2019
2	Sh. Vinod Dialani	Deputy Registrar	28.02.2019
3	Sh. Gaurav Yadav	Assistant Registrar	08.01.2019
4	Sh. Vipin Kumar	Assistant Registrar	17.01.2019
5	Sh. Kumar Saurabh	Assistant Registrar	04.02.2019

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. Chander Prakash	Mr. Balraj Singh
Prof. Raman Parti	Dr. Vijay Shankar Dogra	Dr. Hemant Kumar Vinayak	Dr. Sumit Arora
Prof. R.K. Dutta	Dr. Vijay Kumar Bansal	Dr. Sunil Sharma	Mr. Rajat Kango
		Dr. Dharmendra	Mr. Ankush Kumar Sehgal
		Dr. K. Nallasivam	Dr. Tarun Kumar
		Dr. Amrit Kumar Roy	Mr. Ankit Sharma
		Dr. Joy Pal	Mr. Anmol Sharma
		Dr. Joseph Tripura	Mr. Anand Kumar R.
		Dr. Subhadip Biswas	Ms. Suman Kumari
			Mr. Rahul Sharma

(II.) Achievements Achieved**By students:**

S. No.	Student Name	Achievement
1.	Mr.Onam Sharma	President, Cultural Activities of the institute for the session 2018-19.
2.	Mr. Ashutosh Saini	President, Technical Activities of the institute for the session 2018-19.
3.	All members of Team C-Helix in Nimbus 2019.	Best Departmental Team Award at Nimbus 2019.
4.	Mr. Rishav Jaryal	Treasurer, Cultural Activities of the institute for the session 2018-19.
5.	Miss Ruchi Mittal	<ol style="list-style-type: none"> 1. Secured 2nd position in 5th Inter-Technology University Athletics Men and Women Championship 2018-19 organized at Thapar Institute of Engineering and Technology, Patiala on 12&13 April 2019. 2. Gold at 100m in Lalkaar 2019.
6.	Mr. Om Prakash Thakur	<ol style="list-style-type: none"> 1. Represented Punjab, Haryana, Himachal Pradesh and Chandigarh directorate at All India NauSainik Camp 2k18 at INS Kadamba, Karwar, Karnataka. <ol style="list-style-type: none"> a) 1st in Services Subject b) 3rd prize in Boat Puller c) 2nd in Semaphore 2. 3rd in run for Unity Marathon 3. First Boat Puller from NIT Hamirpur
7.	Mr.Chintha Shanmukh Reddy	<p>Various medals at Lalkaar, the annual sports meet at NIT Hamirpur,</p> <ol style="list-style-type: none"> 1) Bronze in 100m 2) Silver in 400m 3) Bronze in 800m 4) Bronze in 1500m 5) Silver in 4x100m
8.	Miss. Mimansa Thakur	Gold Medal in Badminton at Lalkaar 2019
9.	Miss. Bandana	Gold in Long Jump at Lalkaar 2019

By Faculty Members:**(I.) Expert Lectures Organized**

Sr.No.	Faculty Name	Title	Place	Year	Description of Event
1	Dr. R.K Dutta	Geosynthetics Applications in Civil Engineering	Workshop on "Landslides-Issues and Remedial Measures" on 24th February, 2018 at JNGEC Sundarnagar	2018	Keynote Speaker
2	Dr. Hemant Kumar Vinayak	Earthquake Resistant Design of Structure (with reference to Latest codes) and Rapid Visual Screening of life line Buildings	HIPA Shimla	2018	[4th – 5th June, Training of Middle and Junior level functionaries Earthquake Risk Mitigation for Safe Built Environment
3	Dr. Joy Pal	Vibration Based Health Monitoring of Frame Structures	ABES Engineering College, Greater Noida	2018	Faculty Development Program

(II). Papers Published in Conferences:-

Sr. No.	Faculty Name	Year	Author's	Title	Conference Name with Place
1	Dr. Ravi Kumar Sharma	2018	R. K. Sharma	Experimental study on Clayey Soil Stabilization Using sand-Fly Ash-Waste Rubber	6th World Conference on Applied Science, Engg& Technology, Goa, India
		2018	Abhishek, Vaibhav Sharma, Ravi Kumar Sharma and Arvind Kumar	Effect of Rice Husk Ash on Geotechnical Properties of Clayey Soil: An Experimental Study	Advanced Structures, Materials and Methodology in Civil Engineering ASMMCE, Jalandhar
		2018	Akhilesh Kumar, R. K. Sharma and V. K. Bansal	GIS-BASED LANDSLIDE SUSCEPTIBILITY MAPPING FROM NAGGAR TO ROHTANG IN	Advanced Structures, Materials and Methodology in Civil Engineering ASMMCE,

				DISTRICT KULLU, HIMACHAL PRADESH	Jalandhar
2	Dr. R. K. Dutta	2019	Gnananandaraao, T, Dutta, R.K. and Khatri, V.N.	Cost economics of flexible and rigid pavements over clay subgrades	Indian Conference on Geotechnical and Geoenvironmental Engineering (ICGGE-2019), March 01-02, Allahabad Prayagraj, Uttar Pradesh, India
3	Dr. Pardeep Kumar	2018	Pardeep Kumar and Nishi Gangwar	Wireless sensor for Network Building Monitoring	6th World Conference on Applied Science, Engineering and Technology
		2018	Bavita Bhardwaj and Pardeep Kumar	Effect of waste foundry sand addition on strength, permeability and microstructure of ambient cured geopolymer concrete	14th International Conference on Concrete Engineering and Technology (CONCET 2018), KaulaLampur Malaysia
4	Dr. Vijay Shankar	2018	Andrea Momblanch, Ian Holman, Sanjay K. Jain, Daniel Banister, Andrew Orr, Anil Kulkarni, Vijay Shankar, SikhululekileNcube, Lindsay Beevers, Boris Snapir, Toby Waine, Chandra S.P. Ojha, and Adebayo J. Adeloeye	Systems modelling and nexus assessment to support global change adaptation in the Himalayas	European Geophysical Union (EGU) General Assembly, April 8-13
		2018	Nitish Mahant and Vijay Shankar	Investigations on Infiltration Characteristics of Soils in Hamirpur (Himachal Pradesh)	Sustainable Technologies for Intelligent Water Management (STIWM-2018), February 16-19

		2018	Akshika Guleria and Vijay Shankar	Factor analysis of various reference evapotranspiration models for sub-humid sub-tropical climate	Sustainable Technologies for Intelligent Water Management (STIWM-2018), February 16-19
		2018	Arunava Poddar, Navsal Kumar, Vijay Shankar	Study of Capillary Rise on Irrigation Requirements for Wheat	Sustainable Technologies for Intelligent Water Management (STIWM-2018), February 16-19
5	Dr. Vijay Kumar Bansal	2018	Kumar, S., and Bansal, V. K.	Use of GIS in location-based decisions of infrastructure facilities in hilly regions	Proc. of Geospatial Word Forum, 15-19th Jan. 2018, Hyderabad, India.
		2018	Kumar, A., Sharma, R. K., and Bansal, V. K.	GIS-based landslide hazard mapping along NH-3 in mountainous terrain of Himachal Pradesh, India using weighted overlay analysis	Proc. of 1st International Conference on Sustainable Waste Management through Design (IC_SWMD 2018), November 2-3, 2018, at Ludhiana (Punjab), India.
		2018	Kumar, A., Sharma, R. K., and Bansal, V. K.	Proc. of National Conference: Advanced Structures, Materials And Methodology in Civil Engineering (ASMMCE – 2018), 03-04th November, 2018, at NIT Jalandhar (Punjab), India, 350-359.	GIS-based landslide susceptibility mapping from Naggar to Rohtang in district Kullu, Himachal Pradesh.
6	Dr. Chander Parkash	2018	Chander Prakash, R Nagarajan	Glacial lake changes and outburst flood hazard in Chandra basin, NW Indian Himalaya	European Geosciences Union General Assembly 2018(EGU-2018); Vienna, Austria

(III). Papers Published in Journal:-

Sr. No.	Faculty Name	Year	Author's	Title	Journal Name
1	Dr. Ravi Kumar Sharma	2018	Abhishek Sharma and R. K. Sharma	A Numerical Study of Granular Pile Anchors Subjected to Uplift Forces in Expansive Soils Using PLAXIS 3D	Indian Geotechnical Journal
		2018	Akhilesh Kumar, R. K. Sharma and V. K. Bansal	Landslide hazard zonation using analytical hierarchy process along National Highway-3 in mid Himalayas of Himachal Pradesh, India	Environmental Earth Sciences
		2019	Abhishek Sharma and R. K. Sharma	An experimental study on uplift behaviour of granular anchor pile in stabilized expansive soil	International Journal of Geotechnical Engineering
		2019	Abhishek Sharma and R. K. Sharma	Effect of addition of construction-demolition waste on strength characteristics of high plastic clays	Innovative Infrastructure Solutions
		2019	Akhilesh Kumar, R. K. Sharma and V. K. Bansal	GIS-based comparative study of information value and frequency ratio method for landslide hazard zonation in a part of mid-Himalaya in Himachal Pradesh	Innovative Infrastructure Solutions
2	Dr. R.K. Dutta	2018	T. Gnananandaraao, V.N. Khatri and R.K.Dutta	Performance of multi-edge skirted footings resting on sand	Indian Geotechnical Journal
		2018	Vivek, R.K. Dutta and R. Parti	Effect of chemical treatment on the tensile strength behaviour of coir geotextiles	Journal of Natural Fibers
		2018	Dutta, R.K., Khatri, V.N. and Singh, S.P.	Mobile application development to compute stability of rock slope	i-manager's Journal on Mobile Applications and Technologies
		2018	Dutta, R.K., Venkataraman, G., Khatri, V.N. and Singh, U.P.	Effect of different dosages of saline water on the engineering properties of bentonite	Journal of Geotechnical Engineering
		2018	Dutta, R.K., Rani, R. Gnananandaraao, T.	Prediction of ultimate bearing capacity of skirted footing resting on sand	Journal of Soft Computing in Civil

				using artificial neural networks	Engineering
		2018	Dutta, R.K., Sharma, S.S. and Parti, R.	Characterization of flyash-redmud mix stabilized with marble dust	Journal of Civil Engineering (IEB)
		2019	Vivek, R.K. Dutta and R. Parti	Effect of chemical treatment of the coir geotextiles on the interface properties of sand/clay- coir geotextile interface	Journal of The Institution of Engineers (India): Series A
		2019	Vivek, R.K. Dutta and R. Parti	Application potential of treated coir geotextiles in unpaved roads	Journal of Natural Fibers
		2019	Dutta, R.K., Singh A., Gnananandarao, T.	Prediction of free swell index for the expansive soil using artificial neural networks	Journal of Soft Computing in Civil Engineering
		2019	Dutta, R.K., Dutta, K., Kumar, R., Chaudhary, S.	Development of mobile app for the soil classification	i-manager's Journal on Mobile Applications and Technologies
		2019	Dutta, R.K., Khatri V.N., Thakur V. and P.P. Das	Effect of alccofine addition on the index and engineering properties of bentonite	Journal of Geotechnical Engineering
		2019	R.K.Dutta, T. Gnananandarao and V.N. Khatri	Application of soft computing techniques in predicting the ultimate bearing capacity of strip footing subjected to eccentric inclined load and resting on sand	Journal of Soft Computing in Civil Engineering
		2019	Tammineni Gnanananda Rao, Rakesh Kumar Dutta, Ajay Sharma	Application of random forest regression in the Prediction of ultimate bearing capacity of strip footing resting on dense sand overlying loose sand deposit	Journal of Soft Computing in Civil Engineering
3	Dr. Vijay Shankar	2018	Rajat Kango, Vijay Shankar and M. A. Alam	Kango, R., Shankar, V., & Alam, M. A. (2018). Evaluation of hydraulic conductivity based on grain size distribution parameters using power function model. Water Science and Technology: Water Supply. DOI: 10.2166/ws.2018.106	Water Supply and Technology : Water Supply
		2018	Arunava Poddar,	Arunava Poddar, Navsal	ISH Journal of

			Navsal Kumar and Vijay Shankar	Kumar, Vijay Shankar (2018). "Evaluation of two irrigation scheduling methodologies for potato (<i>solanumtuberosum</i> l.) in north-western mid hills of India" ISH Journal of Hydraulic Engineering, (Accepted)	Hydraulic Engineering
		2018	Kango, R., Alam, M. A., & Shankar, V.	Investigations of wall effect on permeability through porous media at low flow rates.	Water Science and Technology: Water Supply, 18(1), 233-239. DOI: 10.2166/w s.2017.113
		2018	Kango, R., Shankar, V., & Alam, M. A.	Evaluation of hydraulic conductivity based on grain size distribution parameters using power function model.	Water Science and Technology: Water Supply 19 (2): 596-602. DOI: 10.2166/ws.2018.106.
		2018	Poddar, A., Kumar, N., & Shankar, V.	Evaluation of two irrigation scheduling methodologies for potato (<i>Solanumtuberosum</i> L.) in north-western mid-hills of India.	ISH Journal of Hydraulic Engineering, 1-10. doi.org/10.1080/09715010.2018.1518733
		2018	Poddar, A., Gupta, P., Kumar, N., Shankar, V., & Ojha, C.S.	Evaluation of Reference Evapotranspiration Methods and Sensitivity Analysis of Climatic Parameters for Sub-Humid Sub-Tropical Locations in Western Himalayas (India).	ISH Journal of Hydraulic Engineering. doi.org/10.1080/09715010.2018.155173
		2019	Poddar, A., Kumar, N., & Shankar, V.	Computation of moisture uptake based irrigation schedules to counter ill effects of saline irrigation on agricultural productivity.	Journal of Advanced Research in Dynamical and Control Systems 11(01):1004-1013
4	Dr. Vijay Kumar Bansal	2018	Bansal, V.K	Use of GIS to consider spatial aspects in construction planning process.	International Journal of Construction Management, Accepted.
		2018	Sharma, S., and Bansal, V.K.	Location-based planning and scheduling of highway construction projects in hilly	Canadian Journal of Civil Engineering,

				terrain using GIS	45(7), 570–582.
		2018	Kumar, A, Sharma, R.K., and Bansal, V.K.	Landslide hazard zonation using analytical hierarchy process along National Highway-3 in mid Himalayas of Himachal Pradesh, India.	Environmental Earth Sciences, 77:719, 1-19.
		2019	Kumar, S., and Bansal, V.K.	Use of GIS in locating TFs safely on a construction site in hilly regions	International Journal of Construction Management, 19(4), 341-353.
		2019	Tomar, A., and Bansal V.K.	Scheduling of repetitive construction projects using geographic information systems: an integration of critical path method and line of balance.	Asian Journal of Civil Engineering (Building and Housing), 20(4), 549-562.
5	Dr. Chander Prakash	2018	Chander Prakash, R Nagarajan	Glacial lakes changes in Chandra basin, North-Western Indian Himalaya using remote sensing. Volume 9, Issue 1, Pages 337-355, March 2018	Geomatics, Natural Hazards and Risk
6	Dr. Sunil Sharma	2018	Sharma, Sunil, and Bansal V.K	Location-based planning and scheduling of highway construction projects in hilly terrain using GIS	Canadian Journal of Civil Engineering
7	Dr. Amrit Kumar Roy	2019	Singh, Jagbir, and Amrit Kumar Roy	'Wind Pressure Coefficients on Pyramidal Roof of Square Plan Low Rise Double Storey Building	Journal of Computational Engineering and Physical Modeling
		2019	Singh, Jagbir, and Amrit Kumar Roy	Effects of Roof Slope and Wind Direction on Wind Pressure Distribution on the Roof of a Square Plan Pyramidal Low-Rise Building Using CFD Simulation.	International Journal of Advanced Structural Engineering
8	Dr. Joy Pal	2019	Sikdar, S., Ostachowicz, W. and Pal, J.	Damage-induced Acoustic Emission Source Identification in an Advanced Sandwich Composite Structure & 202	Composite Structures
9	Dr. Joseph Tripura	2018		Application of RBFNNs Incorporating MIMO Processes for Simultaneous River Flow Forecasting	Journal of Engineering and Technological Sciences
10	Dr. Subhadip	2018	Biswas, S., Chandra, S. and	An Advanced Approach for Estimation of PCU Values	Transportation Letters: The

	Biswas		Ghosh, I.	on Undivided Urban Roads under Heterogeneous Traffic Conditions DOI: 10.1080/19427867.2018.1563268	International Journal of Transportation Research
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(IV) Research Project:-

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.	Providing Safe Critical infrastructure in Hazard prone area of HP	RS. 8.10 Lakh	2016	Ongoing	Dr. Pardeep Kumar
3	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) (Rs. 56.8 Lacs)	2016	Ongoing	Dr. Vijay Shankar
4	Maintenance/Operation of Demonstration Project on Geothermal Energy of Heating Space in Chumathang, Laddakh	Department of Science & Technology Govt. of India	2018	Ongoing 16,98,000/-	Dr. R.S. Banshtu

(V) 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	1,47,17,479 -
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	

➤ M. Tech Dissertation Guidance:-**M.Tech Complete in 2018:**

(M.Tech)	Guide	Name of the Student	Brief report
Geotechnical Engg.	Dr. R.K. Sharma	Gopal Verma 16M101	Completed
		Saurav Kumar 16M102	Completed
	Dr. R.K. Dutta	Ajay Sharma 16M103	Completed
		Vaibhav Chaudhary 16M104	Completed
		Prabhat Kumar 16M109	Completed
		Vishal Panwar 16M110	Completed
		Ashfaq Ahmad Sogi 16M111	Completed
		Gaurav Kumar Sharma 16M112	Completed
Structural Engg.	Dr. Pardeep Kumar	Vikrant Sharma 16M122	Completed
		Sandeep 16M123	Completed
	Dr. Vijay Kumar	Kamlesh Tailor 16M130	Completed

	Bansal	Aman Choudhary 16M132	Completed
	Dr. H.K. Vinayak	Shammi Saini 16M125	Completed
		Narendra Yadav 16M129	Completed
	Dr. U.K. Pandey	Mahesh Chandra Singh 16M128	Completed
		Ahmand Waqar 16M131	Completed
	Dr. A.K. Roy	Mr. Adarsh Kumar Manwal 16M124	Completed
		Mr. Aslam Aziz 16M133	Completed
		Mr. Ankur Sharma 16M121	Completed
	Dr. K. Nallasivam	Sougata Mukherijee 16M127	Completed
	Transportation Engg.	Dr. Sunil Sharma	Rahul Jain 16M141
Ayushi Raizada 16M142			Completed
Narendra Kumar 16M143			Completed
MdTaiyab Jawed 16M144			Completed
Pawan Kumar 16M145			Completed
Gyandeep Singh Arya 16M146			Completed
Anjali Balab L 16M147			Completed
Praveen Bhardwaj 16M148			Completed
Anupam .B.R 16M149			Completed
Aditya Upadhya 16M150			Completed
Aniruddha D. Chopadekar 16M151			Completed
Bhatia Samarth Yogesh 16M152			Completed
Navraj parajuli 16M153			Completed
Deval Gupta 16M154			Completed
Amit Kumar 16M155			Completed
Water Resources Engineering	Dr. Virender Kumar	Mr Praveen Kumar 16M164	Completed
		Sh. Rahul Pal 16M165	Completed

		Mr. Ishwar Chand 16M166	Completed
		Mr. Mahendra Kumar Singh Yadav 16M167	Completed
		Mr. Bhabatosh hazarika 16M169	Completed
	Dr. Vijay Shankar	Mr. Nitish Mahant 16M161	Completed
		Ms. Akshika 16M162	Completed
		Mr. Saurav Saini 16M163	Completed
		Ms. Snigdha Pandey 16M168	Completed
		Mr. Abhishek Singh 16M170	Completed
		Mr. Anurag Singh 16M171	Completed

➤ **M.Tech Admission in 2018:**

S.No	Roll No.	Name of the Student	Name of Guide	Brief Report
Geotechnical Engineering				
1	18M101	Dhanjay Kaushal	Prof. R.K. Dutta	On Going
2	18M102	Nitesh Kaundal	Prof. R.K. Dutta	On Going
3	18M103	Ashok Chhimpa	Prof. R.K. Sharma	On Going
4	18M104	Mohit Katna	Prof. R.K. Dutta	On Going
5	18M105	Sharadmani Tiwari	Prof. R.K. Sharma	On Going
6	18M107	Deepali Anand	Prof. R.K. Sharma	On Going
7	18M108	Kapil Kumar Gautam	Prof. R.K. Sharma	On Going
8	18M109	Sonam Ladol	Prof. R.K. Dutta	On Going
9	18M110	Shreya Maheshwari	Prof. R.K. Dutta	On Going
10	18M111	Mohd .Sajid	Prof. R.K. Dutta	On Going
11	18M112	Abrar Suhil Chowdhary	Prof. R.K. Dutta	On Going
12	18M113	Shubham Jagid	Prof. R.K. Sharma	On Going
13	18M114	Shweta Singh	Prof. R.K. Sharma	On Going
Structural Engineering				

1.	18M121	Anurag Gupta	Dr. Pardeep Kumar	On Going
2.	18M122	Rishabh Singh	Dr. Hemant Kumar Vinayak	On Going
3	18M123	Shashwat Kapoor	Dr. Joy Pal	On Going
4	18M126	Rishabh Agrawal	Dr. A.K. Roy	On Going
5	18M127	Sujeet Varun	Dr. U.K. Pandey	On Going
6	18M128	Arun Chanotra	Dr. Pardeep Kumar	On Going
7	18M129	Mallothu Abhilash	Dr. K. Nallasivam	On Going
8	18M130	Vinjamuri Vijay Kumar	Dr. Vijay Kumar Bansal	On Going
9	18M131	Shubham Saurabh	Dr. Joy Pal	On Going
10	18M132	Avneesh Tripathi	Dr. U.K. Pandey	On Going
11	18M134	Vinay Kumar	Dr. Pardeep Kumar	On Going
12	18M135	Pankaj Kumar	Dr. A.K. Roy	On Going
Transportation Engineering				
1	18M141	Sourabh Thakur	Dr. Subhadip Biswas	On Going
2	18M142	Rahul Tanwar	Dr. Subhadip Biswas	On Going
3	18M143	Saurav Kumar	Dr. Sunil Sharma	On Going
4	18M144	Karan Kumawat	Dr. Sunil Sharma	On Going
5	18M145	Saumya Anand	Prof. Raman Parti	On Going
6	18M146	Ashutosh pandey	Dr. Subhadip Biswas	On Going
7	18M147	Harish Kumar Saini	Dr. Subhadip Biswas	On Going
8	18M148	Aman Sharma	Prof. Raman Parti	On Going
9	18M149	Faijan Ali Ansari	Prof. Raman Parti	On Going
10	18M150	Priyanshu Aman	Prof. Raman Parti	On Going
11	18M151	Ajay Sharma	Dr. Sunil Sharma	On Going
12	18M152	Anshul Kumar	Dr. Sunil Sharma	On Going
13	18M153	Subham	Dr. Sunil Sharma	On Going

14	18M154	Manjul Sharma	Dr. Subhadip Biswas	On Going
Water Resources Engineering				
1.	18M161	Sanjeet Kumar	Dr. Joshep Tripura	On Going
2.	18M162	Deepanshu Verma	Dr. Vijay Shankar	On Going
3.	18M163	Atul Mishra	Dr. Vijay Shankar	On Going
4.	18M164	Ashraf Raza	Dr. Joshep Tripura	On Going
5.	18M165	Ankush	Dr. Vijay Shankar	On Going
6.	18M166	Aakriti Chauhan	Dr. Vijay Shankar	On Going
7.	18M167	Gargi Bindal	Dr. Vijay Shankar	On Going
8.	18M168	Arun Kumar Singh	Dr. Joshep Tripura	On Going
9.	18M169	Paulomi Parai	Dr. Joshep Tripura	On Going
10.	18M170	Gaurav Patel	Dr. Joshep Tripura	On Going
11.	18M171	Rajat Kumar	Dr. Joshep Tripura	On Going
12.	18M172	Sumit Kumar	Dr. Vijay Shankar	On Going

➤ **Ph.D. Admission in 2018 :-**

S.No.	Name of Student	Research Area	Status	Name of Guide
1	Mr. Amol Sharma 2k18-Ph.D-CE-378	Vulnerability and Resilience Evaluation of Highways	On Going	Dr.Chander Prakash
2	Mr. Vishal Panwar 2k18-Ph.D-CE-379	Ultimate Bearing Capacity on Different Footing Over Two Soil Layers.	On Going	Dr.R.K.Dutta
3	Mr. Avinash Bhardwaj 2k18-Ph.D-CE-380	Soil Stabilization	On Going	Dr.R.K.Sharma
4	Mr. Surya Pratap Singh 2k18-Ph.D-CE-381	Soil Structure Interaction.	On Going	Dr.A.K.Roy
5	Ms. Suman Kumari 2k18-Ph.D-CE-382	Landslide susceptibility Mapping	On Going	Dr.V.S.Dogra

➤ **DETAIL OF LABORATORIES:**

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

➤ **EQUIPMENT/ FURNITURE PURCHASED:**

Sr. No.	Name of Equipment/ Furniture	Qty	Name of Manufacturer	Cost in Rs
1.	Pro shanke 2.0 Professional Verso with diff. USB(Software)	1 no.	Edupro Civil System Inc. 1541, 189 th Avenue NE Sammamish WA 98074 United State	\$ 809.50
2.	Cube Mould	12 nos.	Reliable Lab. Equipment Co. AmbalaCant,Haryana	7788.00
3.	Lab Concrete Pan Mixer	1 no.	Capital Engg. Works, Roorkee, Uttakhand	12800
4.	Lab Electric Oven	1 no.	--do--	18400.00
5.	Weighting Machine	1 no.	--do--	29400.00
6.	Wheel Basro Trolley	1 no.	--do--	15500.00
7.	Buoyancy balance	1 No.	--do--	48100.00
	Sr.No.3to 7 Total Rs. (239000+34362+13468=286830.00)			
8.	Automated Dual Head Infiltrimeter with standard accessories	1no.	Roorkee Industries west amber Talab, old Railway Road, Roorkee-247667	4,60,000.00

DEPARTMENT OF ELECTRICAL ENGINEERING



1 Academic Staff:

Head: Dr. Zakir Husain
Ph.D.

FACULTIES:

Professor	Associate Professor	Assistant Professor
04	06	08

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. Amit Kaul	Assistant Professor	Ph.D	Signal Processing
12.	Dr. Himesh Handa	Assistant Professor	Ph.D.	Instrumentation & Control Engg.
13.	Er. Rajesh Kumar	Assistant Professor	M. Tech. (pursuing Ph.D.)	Power System
14.	Er. Bharti Koul	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
17.	Dr. Anil Kumar Yadav	Assistant Professor	Ph.D.	Control System
18.	Dr. Rajan Kumar	Assistant Professor	Ph.D.	Power Electronics, Electrical Machines & Drives

DISTINCTION ACHIEVED:

(a) By Student: 100% placement of the 2018-19 batch students

2 SEMINAR SYMPOSIA, SUMMER SCHOOL, WINTER SCHOOL, SHORT TERM COURSE:

b) Participated by Faculty members:

Name of the Staff	Course/Seminar	Organization	Duration	Venue
Dr. Y. R. Sood	Springer International Conference on Manufacturing Advanced Computing, Renewable Energy and Communication (MARC 2018)	HMR Institute of Technology & Management, New Delhi	19th – 20th July, 2018	New Delhi
Dr.Y. R. Sood	Webinar on Real-Time Simulation of Microgrids: Challenges and Opportunities	OPAL-RT Technologies, Canada.	April 2, 2019	Canada.
Dr.Y. R. Sood	Training workshop on Awareness and Training on Curbing Plagiarism using Turnitin	Central Library at National Institute of Technology Hamirpur.	February 15, 2019	Hamirpur.
Dr. Anil Yadav	Advancement in signal processing and optimization techniques	NIT, Hamirpur	03/06/2019 to 07/06/2019	Hamirpur.

Dr Chandrasekaran S.	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES-2018)	IIT Madras	Dec. 18-21, 2018	Madras
Dr. B.B.Sharma	International Conference on New Technological Opportunities in Networking and Sciences (NEWTONS-2018)	Seemant Institute of Technology, Pithoragarh (UK)-India	June 08-10, 2018	Pithoragarh (UK)-India
Dr. B.B.Sharma	3rd International Conference SoCTA-2018	Department of Instrumentation and Control Engineering, NIT Jalandhar (PB)	Dec 21-23, 2018	NIT Jalandhar (PB)
Dr. R.K.Jarial	Attended 21st Meeting of National Technical Study Committee (ETD-02) on Solid Insulations	BIS, Manak Bhawan, New Delhi	Jan 28, 2019	New Delhi

EXPERT/KEY NOTE LECTURES DELIVERED

Name of the Faculty Staff	Course/ Seminar	Organization	Duration	Venue
Dr. B.B.Sharma	Key Note Address on “Chaotic Dynamics: Perspectives and Application to Secure Communication”	International Conference on New Technological Opportunities in Networking and Sciences (NEWTONS-2018)	June 08-10, 2018 (June 10, 2018)	Seemant Institute of Technology, Pithoragarh (UK)-India
Dr. Y. R. Sood	Power Trading and Congestion Management	Springer International Conference on Manufacturing Advanced Computing, Renewable Energy and Communication (MARC-2018)	19 th July, 2018	HMR Institute of Technology & Management, New Delhi
Dr. Y. R. Sood	Green Microgrids in Deregulated Electricity Market	Expert lecture delivered	September 20 th , 2018	Chandigarh University, SAS Nagar (Mohali)
Dr. Manisha Sharma	An introduction to MATLAB Simulation toolbox	Delivered expert talk Workshop on applications of MATLAB in engineering and science (WAMES-2018)	6-11, Dec 2018	NIT Hamirpur.
Dr. Anil Yadav	Optimization and Control Design	Delivered an expert Lecture on “Intelligent	10/01/2019 to	Dr. B. R. Ambedkar NIT

	Techniques Innovations and Challenges (OCDT2018)	Control Technique”	14/01/2019	Jalandhar, Punjab, India.
Dr. R.K.Jarial	Delivered One Expert Lecture during AICTE sponsored	FDP	18 July 2018.	NIT Kurukshetra

3 RESEARCH:

(a) Research Scheme:

Title of the scheme	Sponsored by	Assistance received (Rs. In lacs)	Investigator	Brief Report
Rapid and Precise Detection of Grid Voltage Amplitude and Phase for LVRT Capability in PV Systems	CSIR, New Delhi	24.71	Dr. Chandrasekaran S.	Duration:2018-21
Synchronization in Complex Interconnected Network of a Class of Systems Using Contraction Theory	DST-SERB, New Delhi	18,91,802/-	Dr. B.B.Sharma	ongoing since March, 2019
Automatic Recognition of Dialects of Himachal Pradesh	HIMCOST, Shimla	4.65	Dr. Amit Kaul, P.I. & Dr. R. Nath, Co. P.I.	Ongoing since March, 2018.
Micro Grid Implementation	IEDC (DST Delhi)		Dr. R.K.Jarial	Ongoing till 30/09/2019

(b) Research Publication:

Research Papers Published in National and International Journals/ Conferences: **ANNEXURE-A**

Doctoral Programme: Yes

Ph. D. Degree awarded: 04

DOCTORAL PROGRAMME:

Sr.No	Title	Guide	Name of the student(s)	Brief Report
1	Performance Evaluation and Health Assessment of Power Transformers	Dr. Ashwani Kumar Chandel	Chilaka Ranga	Awarded
2	Wireless Sensor Networks Energy Efficient MOTE Transfer for Voice Applications	Dr R K Jarial	Vivek Kumar Dubey	Awarded (off campus scholar)
3	Grid Synchronisation Techniques	Dr R K Jarial & Dr.Chandrasekaran	Anant Kumar Verma	Ongoing

		S.		
4	Design & Performance Analysis Of Solar Power System	Dr. Y R Sood & Dr. R K Jarial	Shafquat Mughal	Ongoing
5	Optimal Power Flow using Metaheuristic Approaches	Dr. Ram Naresh Sharma	Harish Pulluri	Awarded
6	Modeling and Analysis of Wind Turbine based Multi-phase Induction Generator for Dispersed Generation and Utility Grid Application"	Dr. Zakir Husain	Neeraj Mishra	Ongoing
7	Combining Esoteric and Traditional biometrics for Human Authentication	Dr. Amit Kaul	Akhil Walia	Ongoing
8	Multimodal Biometric Authentication using Palmer and Dorsal Hand Patterns	Dr. Ravinder Nath	Gaurav Jaswal	Awarded
9	Model Predictive Controller Based Frequency Regulation of Renewable Energy Sources Integrated Power System	Dr. Veena Sharma	Amita Singh	Ongoing
10	Performance analysis and island detection in distribution power system	Dr. Ashwani Kumar Chandel	Nimish Bhatt	Ongoing
11	Solution techniques to unit commitment problems in power system integrated with renewable energy sources	Dr. R. N. Sharma	Vineet Kumar	Ongoing
12	Optimal operation and planning of green micro-grid in deregulated power sector	Dr. Y. R. Sood	Sumit Sharma	Ongoing
13	Speed control of senseless BLDC Motor	Dr. Chandrasekaran S.	Manish Kumar	Ongoing
14	State estimation in distribution system	Dr. Ashwani Kumar Chandel	Sukriti Tiwari	Ongoing

4 M.Tech. Thesis completed:

Sr.No.	Title	Guide	Name of the student(s) & Roll No.	Brief Report
1	Solution of Optimal Power flow using ant-lion meta-heuristic Algorithm	Dr. R. N. Sharma	Mr. Vaddi Narendra Babu Roll. No. 16M201	Passed
2	Voltage Stability Analysis with a Novel Hybrid Controller using Shunt and Series Combination of FACTS Devices	Dr. Ashwani Kumar	Miss. Sukriti Tiwari Roll. No. 16M202	Passed
3	Reactive power planning of distribution system with	Dr. Zakir Husain & Dr. Neeraj Gupta	Mr. Neem Sagar Roll. No. 16M206	Passed

	distributed generation			
4	Optimization of Co-generation system by using interior point and generalized pattern search method	Dr. R.N Sharma	Mr. Ankit Aharwar Roll. No. 16M209	Passed
5	Short Term Hydro-thermal Scheduling using symbiotic search Algorithm	Dr. R.N Sharma	Mr. Gedela Ravi Chandra Reddy Roll. No. 16M210	Passed
6	Transient Stability Enhancement of a Hybrid Wind-PV Farm incorporating a STATCOM	Dr. Ashwani Kumar	Mr. Souvik Sengupta Roll. No. 16M211	Passed
7	Smart Autoreclosure Scheme for Transmission line	Dr.Chandrasekaran S. and Dr. Zakir Husain	Mr. Ocean Kumar Pradhan Roll. No. 16M212	Passed
8	Synchronization of Fractional order chaotic systems using nonlinear control	Dr. Himesh Handa	Mr. Nitesh Kumar Gupta Roll. No. 16M226	Passed
9	Synchronization of Uncertain Chaotic Strict-Feedback Form of Systems Via Adaptive Control Method	Dr. B.B. Sharma and V. Sharma	Ms. Ramya Soni. Roll. No. 16M227	Passed
10	Synchronization & anti-synchronization of Fractional order chaotic systems	Dr. Himesh Handa	Mr. Lokesh Shankar Singh Roll. No. 16M228	Passed
11	Output Feedback Control Schemes for Nonlinear Systems	Dr. B. B. Sharma	Ms. Swati Singh Roll. No. 16M229	Passed
12	Fixed Frequency MCCF based grid synchronization technique	Dr.Chandrasekaran S. & Dr. B.B Sharma	Mr. Govind Kumar Maurya Roll. No. 16M230	Passed
13	Brain Tumor Detection in MRI images using CNN	Dr. Amit Kaul & Dr. Ravinder Nath	Mr. Abhishek Kumar Roll. No. 16M231	Passed
14	Stabilization and Synchronization of Non-linear Systems using LMI Approach with Application to Fault Detection	Dr. B.B Sharma	Mr. Ajul Dinesh Roll. No. 16M232	Passed
15	Hybrid approach for diagnosis of eye diseases using fundus images	Dr. Amit Kaul & Dr. Ravinder Nath	Mr. Pradeep Kumar Chaudhary Roll. No. 16M234	Passed
16	Hybrid approach for diagnosis of eye diseases using fundus images	Dr. Ravinder Nath & Dr. Amit Kaul	Mr. Deobarat Kumar Chandan Roll. No. 16M235	Passed
17	Modified sliding mode control for inverted pendulum system	Dr. Veena Sharma	Mr. Boora Subhash Roll. No. 16M237	Passed
18	Encordless Field-oriented	Dr.Chandrasekaran	Mr. Subhankar Padhy Roll.	Passed

	Control of PMSM Drive	S. & Dr. Zakir Husain	No. 16M238	
19	Comparative Evaluation of Nomex-910 & TUK Insulating paper thermally aged in Soya Based Natural Oil	Dr. R. K. Jarial & Dr. Zakir Husain	Mr. Ankit Chauhan Roll. No. 16M251	Passed
20	Performance Analysis of Insulating Paper in Fe ₃ O ₄ Nano Material Based Mineral Oil in Comparison with Mineral Oil	Dr. R. K. Jarial & Dr. Chandrasekaran S.	Ms. Neera Yadav. No. 16M252	Passed
21	Wind Turbine control for load frequency requirements using by varying pitch angle	Dr. O.P Rahi	Mr. Ankit Kumar Gautam Roll. No. 16M253	Passed
22	Reactive power pricing & its impact in restricted power system	Dr. O.P Rahi	Mr. Ravish Kumar Roll. No. 16M254	Passed
23	Condition Monitoring of Transformer Bushing Using Thermographic tools at different loading conditions	Dr. Zakir Husain & Dr. R. K. Jarial	Mr. Sujit Kangshabanik Roll. No. 16M255	Passed
24	Development of Methodology for DGA of power transformer	Dr. R.N Sharma	Ms. Afreen Sheikh Roll. No. 16M256	Passed
25	Study and design of control for small hydro power plant	Dr. O.P Rahi	Mr. Deepak Kumar Roll. No. 16M257	Passed
26	Fuzzy logic approach for evaluation of health index of power transformer	Dr. Manisha Sharma	Mr. Arun Chantola Roll. No. 16M258	Passed
27	Transformer Interturn Fault diagnosis by SFRA	Dr. Manisha Sharma	Mr. Abhishek Saini Kumar Roll. No. 16M260	Passed
28	Incipient fault diagnosis of oil filled transformer using artificial intelligence	Dr. Zakir Husain	Mr. Susheel Kumar Roll. No. 16M261	Passed
29	Solar Photovoltaic modelling for extraction of maximum power from AI based technique	Dr. R. K. Jarial & Dr. Chandrasekaran S.	Md. Sabir Hassan Roll. No. 16M262	Passed
30	A novel Prediction on Certainty based Graphical Dissolved Gas Analysis Method	Dr. R. K. Jarial & Dr. Vinay Kumar Jadoun	Mr. Kingshuk Chatterjee Roll. No. 16M263	Passed
31	Evaluation of Health Index assessment of Power Transformer & Substation located in Hamirpur District	Dr. R. K. Jarial & Dr. Vinay Kumar Jadoun	Mr. Ujjawal Prakash Bhushan Roll. No. 16M264	Passed

CONSULTANCY SERVICES:

Sr.No	Name of the scheme	Sponsored agency	Amount earned
1	Testing of Relative dissolved decay products in oil using UV-VIS spectrophotometer for HPSEB Transformers as part of Power Transformer Diagnostics (Jan. 2018 to Dec.2018)	under TIFAC CORE, NIT Hamirpur	Rs.19.9lacs
2	Civil Engg. in completing Joint Consultancy task	M/s Ventura Salaser Energy Industries Pvt. Ltd. Delhi	Rs.50,000/-

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

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

List of Publication

(a) Research papers published in International Journals

- (1) Amita Singh, Veena Sharma, Preeti Dahiya and Ram N. Sharma, "Model predictive based load frequency control of interconnected power systems," Recent Advances in Electrical and Electronic Engineering, vol. 11, no. 3, pp. 322-333, 2018.
- (2) Amita Singh and Veena Sharma, "Salp Swarm Algorithm Based Model Predictive Controller for Frequency Regulation of Solar Integrated Power System," Neural Computing and Applications, Springer (Accepted for publication on 7th Aug. 2019). <https://doi.org/10.1007/s00521-019-04422-3> (DOI: 10.1007/s00521-019-04422-3).
- (3) Preeti Dahiya, Sandeep Dogra, Veena Sharma, Harish Pulluri, N. Gouthamkumar and U. Mohan Rao, "Performance Analysis of Classical Controllers Tuned Using Heuristic Approaches for Frequency Regulation", Applications of Computing, Automation and Wireless Systems in Electrical Engineering, Lecture Notes in Electrical Engineering 553, 2019. https://doi.org/10.1007/978-981-13-6772-4_40
- (4) Deepak Kanumuri, Veena Sharma and O. P. Rahi, "Analysis Using Various Approaches for Residual Life Estimation of Power Transformers", International Journal on Electrical Engineering and Informatics – Volume 11, Number 2, June 2019.
- (5) Anuj Banshwar, Naveen Kumar Sharma, Yog Raj Sood, Rajnish Shrivastava, "An International experience of Technical and Economic aspects of Ancillary Services in Deregulated Power Industry: Lessons for Emerging BRIC Electricity Markets", accepted for publication in Renewable & Sustainable Energy Reviews, Elsevier publishers, ISSN: 1364-0321, Impact Factor 8.050.
- (6) Anuj Banshwar, Naveen Kumar Sharma, Bharat Bhushan Sharma, Yog Raj Sood, Rajnish Shrivastava, "Mixed GA-OPF based Optimal Procurement of Energy and Operating Reserve in Deregulated Environment", Journal of Intelligent & Fuzzy Systems, IOS Press, Netherlands, ISSN: 1064-1246, Impact Factor 1.426, SCIE. (DOI:10.3233/JIFS-169780)
- (7) Naveen Kumar Sharma, Anuj Banshwar, Bharat Bhushan Sharma, Yog Raj Sood, Rajnish Shrivastava, "Mixed GA-OPF based Prioritized Optimal Location and Rating of Wind Power Generation in Deregulated Electricity Market" Journal of Intelligent & Fuzzy Systems, IOS Press, Netherlands, ISSN: 1064-1246, Impact Factor 1.426, SCIE. (DOI:10.3233/JIFS-169791)
- (8) Souvik Roy, Anuj Banshwar, Naveen Kumar Sharma, Yog Raj Sood, "Simultaneous Optimization of Renewable Energy Based Pumped Storage Scheme in Energy and Ancillary

- Services Market under Deregulated Power sector” Journal of Intelligent & Fuzzy Systems, IOS Press, Netherlands, ISSN: 1064-1246, Impact Factor 1.426, SCIE. (DOI:10.3233/JIFS-169787)
- (9) S. Selvakumar, M. Madhusmita, C. Koodalsamy, S. P. Simon and Y. R. Sood, "High-Speed Maximum Power Point Tracking Module for PV Systems," in IEEE Transactions on Industrial Electronics, vol. 66, no. 2, pp. 1119-1129, Feb. 2019, (SCI, SCOPUS) impact factor 7.503.
 - (10) Digambar Singh, Yog Raj Sood, and Deepak, “Recent Techno-Economic Potential and Development of Solar Energy Sector in India,” accepted for published in IETE Technical Review, Taylor and Francis, pp.1-12, March 2019, (SCI, SCOPUS) (DOI: <https://doi.org/10.1080/02564602.2019.1596043>) Impact Factor 0.829.
 - (11) Jasmine Kaur, Yog Raj Sood, Rajnish Shrivastava. “Optimal Resource Utilization in a Multi-Microgrid Network for Tamil Nadu State in India”. IETE Journal of Research, Taylor & Francis, ISSN: 0377-2063, 2019, p.1-11 DOI:10.1080/03772063.2019.1595182. (SCI, SCOPUS) Impact Factor 0.829
 - (12) Jasmine Kaur, Yog Raj Sood, and Rajnish Shrivastava. "Emerging Green Energy Potential: An Indian Perspective." Applications of Computing, Automation and Wireless Systems in Electrical Engineering, Springer, Vol. 553, 2019, p. 91-96, Print ISBN: 978-981-13-6771-7, Online ISBN 978-981-13-6772-4, (SCOPUS, Springer Link) Impact Factor (SJR: 0.134)
 - (13) Om Prakash Yadav, Jasmine Kaur, Naveen Kumar Sharma and Yog Raj Sood. “Renewable Energy Management in Multi-microgrid Under Deregulated Environment of Power Sector” Applications of Artificial Intelligence Techniques in Engineering, Springer, ISBN: 978-981-13-1819-1, pp.289-302,2019. (SCOPUS) DOI: 10.1007/978-981-13-1819-1_28.
 - (14) Shafqat Mughal, Yog Raj Sood, R.K.Jarial (2018) A review on Solar Photovoltaic technology and future trends, International Journal of Scientific Research in Computer Science Engineering and Information technology(IJSRCSEIT-2018), Vol 4, Issue1, ISSN: 2456-3307(UGC APPROVED)
 - (15) Hassan M.S., Mughal S.N., Jarial R.K., Sood Y.R. (2019) A Comparative Analysis of Different Maximum Power Point Tracking Algorithms of Solar Photovoltaic System, Applications of Computing, Automation and Wireless Systems in Electrical Engineering. Lecture Notes in Electrical Engineering, vol 553. Springer, Singapore.pp.217-229 (Print ISBN 978-981-13-6771-7 ;Online ISBN 978-981-13-6772-4), (SCOPUS, Springer Link) Impact Factor (SJR: 0.134)

- (16) Mughal S.N., Sood Y.R., Jarial R.K. (2019) Design and Techno-Financial Analysis of Solar Photovoltaic Plant for School of Engineering and Technology at BGSB University, Rajouri (J&K), Applications of Computing, Automation and Wireless Systems in Electrical Engineering. Lecture Notes in Electrical Engineering, vol 553. Springer, Singapore. pp. 231-243 (Print ISBN 978-981-13-6771-7 ;Online ISBN 978-981-13-6772-4), (SCOPUS, Springer Link) Impact Factor (SJ: 0.134)
- (17) Jasmine Kaur, Yog Raj Sood, and Rajnish Shrivastava. "Optimal Resource Management of Microgrids in a Competitive Market Environment Using Dual Layer Control Approach." Electric Power Components and Systems, Taylor and Francis, Print ISSN: 1532-5008 Online ISSN: 1532-5016, (accepted and in press), (SCIE, SCOPUS) Impact Factor (SJ: 0.345).
- (18) Ashutosh Bhadoria, Vikram Kumar Kamboj, Manisha Sharma and S.K. Bath " A Solution to Non-convex/ Convex and Dynamic Economic Load Dispatch Problem Using Moth Flame Optimizer" INAE Letters, Springer , June 2018, volume 3, Issue 2, pp 65-86.
- (19) Anil Kumar Yadav and Prerna Gaur, "Modified IMC Technique for Nonlinear Uncertain Milling CNC Machine Tool System," The Arabian Journal for Science and Engineering, 2019. doi.org/10.1007/s13369-019-03984-7
- (20) Pawan Kumar Pathak and Anil Kumar Yadav, "Design of battery charging circuit through intelligent MPPT using SPV system," Solar Energy, vol. 178, pp. 79-89, 2019.
- (21) Anil Kumar Yadav, Pawan Kumar Pathak, Sneha V. Sah and Prerna Gaur, "Sliding Mode based Fuzzy Model Reference Adaptive Control Technique for an Unstable System," Journal of The Institution of Engineers (India): Series B, vol. 100, no. 2, pp. 169-177, 2019.
- (22) H. Handa, Controller design scheme for stabilization and synchronization of a class of chaotic and hyperchaotic systems in uncertain environment using SMC approach", International Journal of Dynamics and Control, volume 7, issue 1, pp. 256-275, March 2019.
- (23) Jaswal, Gaurav, Amit Kaul, and Ravinder Nath. "Multiple feature fusion for unconstrained palm print authentication." *Computers & Electrical Engineering* 72 (2018): 53-78.
- (24) Jaswal, Gaurav, et al. "Bring your own hand: how a single sensor is bringing multiple biometrics together." *Soft Computing* (2018): 1-19.
- (25) V. Sharma, M. K. Shukla, and B.B. Sharma, "Unknown Input Observer Design for a Class of Fractional Order Nonlinear Systems," Chaos, Solitons & Fractals (Elsevier Science), vol. 115, pp. 96-107, Sept. 2018.

- (26) B. B. Sharma and Sharad Mathur, "Synchronization And Message Recovery Scheme For Hyperchaotic System Using Extended Kalman Particle Filter", *International Journal of Pure and Applied Mathematics*, Volume 120, No. 6, pp. 10719-10743, 2018.
- (27) M. K. Shukla, and B.B. Sharma, "Control and Synchronization of a Class of Uncertain Fractional Order Chaotic Systems via Adaptive Backstepping Control," *Asian Journal of Control*, vol. 20, issue 2, pp. 707-720, March 2018.
- (28) V. Garg, and B.B. Sharma, "Complete Amplitude Scaling and Projective Synchronization of a class of Nonlinear Dynamical systems," *International Journal of Systems, Control and Communications*, vol. 9, no. 2, pp. 85-105, Jan. 2018.
- (29) V. Sharma, B.B. Sharma and R. Nath, "Unknown input reduced order observer based synchronization framework for class of nonlinear systems," *International Journal of Dynamics and Control*, Volume 6, Issue 3, pp. 1111–1125, Sept. 2018 (DOI:10.1007/s40435-017-0354-2).
- (30) Sundaram Kumar and B B Sharma, "Smart Traffic Control and Congestion Management Systems: A Review," *International Journal of Innovative Science and Research Technology*, Volume 4, Issue 5, pp. 641-646, May– 2019 (ISSN No:-2456-2165).
- (31) Megha Jiddewar and B B Sharma, "Adaptive Output Feedback Control Strategy Based Chaotic Synchronization with Parametric Uncertainty," *IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)*, Volume 14, Issue 3, pp.43-52, May–June, 2019 (e-ISSN: 2278-1676, p-ISSN: 2320-3331).
- (32) M.K. Shukla, and B.B. Sharma, "Secure communication and image encryption scheme based on synchronization of fractional order chaotic systems using backstepping," *International Journal of Simulation and Process Modeling* , 13(5), pp. 473–485, Sept. 2018.
- (33) H. Handa, and B.B. Sharma, "Controller design scheme for stabilization and synchronization of a class of chaotic and hyperchaotic systems in uncertain environment using SMC approach," *International Journal of Dynamics and Control*, Volume 7, Issue 1, pp 256–275, March 2019.
- (34) Sudhanwa Kelkar, and B.B. Sharma, "Encoder-less field-oriented control of permanent magnet synchronous motor by using a full order adaptive state observer", *International Journal of Automation and Control* 13(6):755, January 2019. DOI:10.1504/IJAAC.2019.10022588.
- (35) Shafqat Mughal, Yog Raj Sood, R.K.Jarial, "A review on Solar Photovoltaic technology and future trends", published in *International Journal of Scientific Research in Computer*

Science Engineering and Information technology(IJSRCSEIT-2018), Vol 4, Issue1,2018
(ISSN: 2456-3307)(UGC APPROVED)

- (36) Shafqat Mughal, Yog Raj Sood, R.K.Jarial. “Design and techno-financial Analysis of Solar Photovoltaic Plant for School of Engineering & Technology at BGSB University Rajouri (J & K)” published in proceedings of International conference on Manufacturing , Advance computing , Renewable Energy and Communication(MARC-2018),held on 19-20, July, 2018 at HMRITM, New Delhi. [Lecture Notes in Electrical Engineering(SPRINGER)], Vol.553, Springer, Singapore, pp 231-243, (Print ISBN 978-981-13-6771-7, Online 978-981-13-6772-4
- (37) Md. Sabir Hassan, Shafqat Nabi Mughal, R.K.Jarial and Yog Raj Sood “A comparative Analysis of different maximum Power Point Tracking Algorithms of Solar Photovoltaic Systems.” published in proceedings of International conference on Manufacturing, Advance computing , Renewable Energy and Communication(MARC-2018),held on 19-20, July, 2018 at HMRITM, New Delhi. [Lecture Notes in Electrical Engineering (SPRINGER), Vol.553, Springer, Singapore,pp 217-229, (Print ISBN 978-981-13-6771-7, Online 978-981-13-6772-4)
- (38) Anant K Verma, C. Sekaran and R K Jarial, ‘A robust open loop frequency estimation method for single phase systems,” published in proceedings of International Conference on Intelligent Computing Techniques for Smart Energy Systems (ICTSES 2018) held at Jaipur wef Dec 22-23rd, 2018 and considered for inclusion in ‘Lecture Notes in Electrical Engineering (SPRINGER)’ in under publication soon.
- (39) U. Mohan Rao and Raj Kumar Jarial, “Measurement of transformer solid insulation degradation using dilatometry and X-ray diffraction analysis,” in International Journal on Measurement, ELSEVIER, Measurement 131 (2019) pp 701-705.
- (40) Pratyush Verma, R K Jarial, “Probabilistic determination of failure of solid insulation paper used in a transformer under external environmental influence,” Published in International Journal of Management, Technology and Engineering, Vol8, Issue IX, Sept. 2018 (ISSN No. 2249-7455)pp-446-457.
- (41) Piyus Jain, I. Jena, R K Jarial, “Automated Sensory based Farm Condition Assessment System,” was presented during 3rd Himachal Pradesh Science Congress 2018- Jointly organized by HP Council for Science, Technology & Environment (HIMCOSTE), Shimla & IIT Mandi wef. Oct., 22-23, 2018 in thematic field on Agriculture & Horticulture Sciences by Mr Piyush & I. Jena (B tech IIIrd Year EED Students).

- (42) Ankit Chouhan, R K Jarial, U Mohan Rao, “Thermal Performance of Nomex-910 and TUK Insulating Papers in Soya-based Natural Ester oil,” International Journal on Electrical Engineering and Informatics (Paper Id- L18-07407) submitted on 16-7-2018 & is under review process.

(b) Research Papers Presented/Published in international Conferences

- 1) Amita Singh, Veena Sharma and Vineet Kumar, “Meta-heuristic Approaches for Solving Automatic Generation Control Problems: A Brief Review,” IEEE 8th Power India International Conference (PIICON), Kurukshetra, 10-12th Dec 2018, India.
- 2) Deepak Kanumuri, Veena Sharma and O. P. Rahi, “Remaining Life Assessment of Solid Insulation in Power Transformer Using Fuzzy Interface System (FIS)”, International Conference on Intelligent Computing and Smart Communication (ICSC), 19-21 April 2019.
- 3) Anuj Banshwar, Naveen Kumar Sharma, Jasmine Kaur, Yog Raj Sood, Rajnish Shrivastava, “Sequential Procurement of Energy and Operating Reserve under Competitive Electricity Market”, IEEE International Conference on Power Energy, Environment and Intelligent Control (PEEIC-2018) organized by the EN Department, GLBITM. Greater Noida, 13th-14th April 2018.
- 4) Naveen Kumar Sharma, Anuj Banshwar, Jasmine Kaur, Yog Raj Sood, Rajnish Shrivastava, “Economic Profit Maximization by Optimal Allocation and Sizing of WPG in Double Auction Competitive Electricity Market”, IEEE International Conference on Power Energy, Environment and Intelligent Control (PEEIC-2018) organized by the EN Department, GLBITM Greater Noida, 13th-14th April 2018.
- 5) Jasmine Kaur, Anuj Banshwar, Naveen Kumar Sharma, Yog Raj Sood, Rajnish Shrivastava, “Strategic Utilization of Resources in a Microgrid in an Uncertain Electricity Market”, IEEE International Conference on Power Energy, Environment and Intelligent Control (PEEIC-2018) organized by the EN Department, GLBITM Greater Noida, 13th-14th April 2018.
- 6) Anuj Banshwar, Naveen Kr. Sharma, Bharat Bhushan Sharma, Yog Raj Sood, Rajnish Shrivastava, “Mixed GA-OPF based Optimal Procurement of Energy and Operating Reserve in Deregulated Environment”, *International Conference on Signals, Machines and Automation (SIGMA-2018)* organized by NSIT, Delhi, India, February 23-25, 2018.
- 7) Naveen Kr. Sharma, Anuj Banshwar, Bharat Bhushan Sharma, Yog Raj Sood, Rajnish Shrivastava, “Mixed GA-OPF based Prioritized Optimal Location and Rating of Wind Power Generation in Deregulated Electricity Market”, *International Conference on Signals,*

- Machines and Automation (SIGMA-2018) organized by NSIT, Delhi, India, February 23-25, 2018.
- 8) Souvik Roy, Anuj Banshwar, Naveen Kr. Sharma, Yog Raj Sood, "Simultaneous Optimization of Renewable Energy Based Pumped Storage Scheme in Energy and Ancillary Services Market under Deregulated Power sector" *International Conference on Signals, Machines and Automation (SIGMA-2018)* organized by NSIT, Delhi, India, February 23-25, 2018.
 - 9) Jasmine Kaur, Yog Raj Sood and Rajnish Shrivastava, "Emerging Green Energy Potential: An Indian Perspective", Springer International Conference on Manufacturing Advanced Computing, Renewable Energy and Communication (MARC 2018), organized by HMR Institute of Technology & Management, New Delhi, during 19th – 20th July, 2018.
 - 10) Anuj Banshwar, Naveen Sharma Yog Raj Sood, Akhilesh Singh, "Structural Modern Indian Power Sector Reforms: Current Strategies and Future Aspects", Scopus Indexed International Conference on New Technological Opportunities in Networking and Sciences 2018 (NEWTONS 2018), organized by SIT, Pithoragarh, Uttarakhand (India), 08th to 10th June, 2018.
 - 11) Anuj Banshwar, Naveen Sharma, Yog Raj Sood, Akhilesh Singh, "A Case study of Condition Assessment of Power Transformer using DGA Analysis", Scopus Indexed International Conference on New Technological Opportunities in Networking and Sciences 2018 (NEWTONS 2018), organized by SIT, Pithoragarh, Uttarakhand (India), 08th to 10th June, 2018.
 - 12) Jaswal, Gaurav, et al. "DeepPalm-A Unified Framework for Personal Human Authentication." *2018 International Conference on Signal Processing and Communications (SPCOM)*. IEEE, 2018.
 - 13) Jaswal, Gaurav, Amit Kaul, and Ravinder Nath. "Multimodal Biometric Authentication System Using Hand Shape, Palm Print, and Hand Geometry." *Computational Intelligence: Theories, Applications and Future Directions-Volume II*. Springer, Singapore, 2019. 557-570.
 - 14) Shafqat Nabi Mughal, Yog Raj Sood and R.K. Jarial, "Design and Techno-Financial Analysis of Solar Photovoltaic Plant for School of Engineering & Technology at BGSB University Rajouri (J&K)", Springer International Conference on Manufacturing Advanced Computing, Renewable Energy and Communication (MARC 2018), organized by HMR Institute of Technology & Management, New Delhi, during 19th – 20th July, 2018.

- 15) Md. Sabir Hassan, Shafqat Nabi Mughal, R.K. Jarial, Yog Raj Sood "A comparative Analysis of different maximum Power Point Tracking Algorithms of Solar Photovoltaic Systems." published in International conference on Manufacturing , Advance computing , Renewable Energy and Communication(MARC-2018),held on 19-20, July, 2018 at HMRITM, New Delhi.
- 16) A. Chantola, M. Sharma, A. Saini, "Integrated Fuzzy Logic Approach For Calculation Of Health Index Of Power Transformer", published in 2nd IEEE conference on Inventive Communication and Computational Technologies (ICICCT 2018), Coimbatore, India, April 20-21, 2018.
- 17) A. Saini, M. Sharma, A. Chantola, "Inter Disc Fault Simulation In Transformer Windings" published in 2nd IEEE conference on Inventive Communication and Computational Technologies (ICICCT 2018), Coimbatore, India, April 20-21, 2018.
- 18) T.S.Pradeep Kumar, M. Sharma, Rajesh Roshan, "Health Index Estimation Of Power Transformers by Using Adaptive Neuro-Fuzzy Approach," 7th International conference on Advancements In Engineering and Technology(ICAET-2019), Sangrur, India, March 15-16, 2019.
- 19) S.S. Kushwaha, M. Sharma, "Optimization of Power Dispatch Incorporating Wind using Time-varying Differential Evolution", 7th International Conference on Advancements in Engineering and Technology (ICAET-2019), Sangrur, India, March 15-16, 2019.
- 20) Pawan Kumar Pathak, Anil Kumar Yadav and Pravendra Tyagi, "Design of Three Phase Grid Tied Solar Photovoltaic System Based on Three Phase VSI," In proceeding of IICPE-2018, MNIT Jaipur, 13th-15th December 2018.
- 21) H. Handa, "Synchronization of similar and dissimilar fractional order chaotic system", 6th International Conference on signal processing and integrated networks, Spin 2019, 7th-8th, march 2019.
- 22) H. Handa, "Synchronization and anti-synchronization of fractional order system", 22 October 2018 ICPEICES 2018, second IEEE International Conference on Power Electronics, Intelligent Control and Energy systems.

DEPARTMENT OF MECHANICAL ENGINEERING



1. ACADEMIC STAFF

HEAD Dr. Sunand Kumar
Ph. D

FACULTIES:

Professor	Associate Professor	Assistant Professor SG – I	Assistant Professor SG – II
Prof. Vinod Yadava	Dr. Rajesh Sharma, Ph. D	Dr. Mohit Pant, Ph.D	Dr. Deepak Sharma, Ph.D
Dr. Rakesh Sehgal, Ph.D (On Deputation)	Dr. Rajiv Kr. Sharma, Ph.D	Dr. Santosh B. Bopche, Ph.D	Dr. Param Singh, Ph.D
Dr. Sunand Kumar, Ph.D	Dr. Somesh Sharma, Ph. D	Dr. Debasish Das, Ph.D	Dr. Manoj Kr. Sinha, Ph.D
Dr. Anoop Kumar, Ph.D	Dr. Sant Ram Chauhan, Ph.D	Dr. Rajesh Kumar, Ph.D	Dr. Akhilesh Choudhary, Ph.D
	Dr. Prashant Kumar, Ph. D		Dr. Ajoy Debberma, Ph.D
	Dr. Siddhartha, Ph.D		Dr. Santhosh Gugulothu, Ph.D
	Dr. Varun, Ph.D		Dr. Dilshad Ahmad Khan, Ph.D

2. DISTINCTION ACHIEVED:

- (a) **By Student:** Students participated in various Technical Festivals within Country and Qualified National level Exams Such as GATE etc.

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)	₹9,16,970 Lakhs	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.	Dr. Anoop Kumar	Renewable Energy, SCIE131, 788-799	International	Performance improvement and development of correlation for friction factor and heat transfer using computational fluid dynamics for ribbed triangular duct solar air heater.	2019
2.	Dr. Anoop Kumar	Transactions of ASME, J Heat Transfer SCIE140(12), 121701-	International	Effect of Rounded Corners on the Heat Transfer and Fluid Flow through Triangular Duct.	2018

		121701-10			
3.	Dr. Anoop Kumar	Renewable Energy (Elsevier) SCIE 115, 824-835	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
4.	Dr. Rajesh Sharma	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. Prashant Kumar	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
6.	Dr. Prashant Kumar	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
7.	Dr. Siddhartha	Journal of Reinforced Plastics & Composites	International	Mechanical and thermo-mechanical peculiarity of functionally graded materials based glass fiber filled PBT composites.	2018
8.	Dr. Siddhartha	Polymer Composites (Wiley Blackwell)	International	A novel technique for in-situ manufacturing of functionally graded materials based polymer composite spur gears.	2018
9.	Dr. Siddhartha	Tribology International (Elsevier)	International	An investigation on the thermal and wear behavior of polymer based spur gears.	2018
10.	Dr. Varun Goel	(Elsevier) SCIE 233, 677-684	International	Effect of bio-lubricant on wear characteristics of cylinder liner-piston ring and cam-tappet combination in simulated environment Fuel.	2018
11.	Dr. Varun Goel	Proceedings IMechE Part J: Engineering Tribology SCIE 232(9), 1068-76	International	Effects of Dual Biofuel Approach for total elimination of Diesel on injection system by reciprocatory frequency monitor.	2018
		Renewable and Sustainable Energy Reviews (Elsevier) SCIE 89, 261-280	International	An Intense Review on the Latest Advancements of Earth Air Heat Exchangers.	2018
12.	Dr. Varun Goel	Renewable and Sustainable Energy Reviews (Elsevier) SCIE 82(3), 2716-2729	International	Impact of modified parameters on diesel engine characteristics using biodiesel: A Review.	2018
13.	Dr. Varun Goel	Journal of Mechanical Science and Technology (Springer) SCIE 32(1), 399-404	International	Numerical investigation of heat transfer and friction factor in ribbed triangular duct solar air heater using computational fluid dynamics (CFD).	2018
14.	Dr. Varun Goel	Journal of Mechanical Science and Technology (Springer) SCIE 2(3),	International	Effect of Phyllanthusemblica Biodiesel based Lubricant on Cylinder Liner and Piston Ring.	2018

		1269-1275			
15.	Dr. Varun Goel	Renewable Energy (Elsevier) SCIE 125, 501-510	International	Assessment of diesel engine Combustion, performance and emission characteristics fuelled with dual fuel blends.	2018
16.	Dr. Varun Goel	Environmental Engineering and Management Journal (Accepted)	International	Life Cycle Energy Usage and GHG Emissions Study of a Sugar Mill in India.	2018
17.	Dr. Varun Goel	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
18.	Dr. Varun Goel	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
19.	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
20.	Dr. Debasish Das	Biofuel	International	Evaluation of performance, emission and combustion characteristics of ci engine fuelled with karanja biodiesel and diethyl ether blends.	2018
21.	Dr. Deepak Sharma	Kerntechnik.Vol. 83, Issue 5, pp. 1–13	International	Review on using nanofluids for heat transfer enhancements in nuclear power plants.	2018
22.	Dr. Param Singh Dr. Vinod Yadava	Journal of Advanced Manufacturing Technology Vol. 94, pp. 2551– 2562 (SCIE Journal, Impact Factor: 2.209) [Publisher: Springer].	International	Parametric Study of Ultrasonic Assisted Hole Sinking Micro EDM on Titanium Alloy.	2018
23.	Dr. Dilshad A. Khan	Materials and Manufacturing Processes DOI: 10.1080/10426914.2018.1512136.	International	Nanofinishing of FDM fabricated components using ball end magnetorheological finishing process.	2018
24.	Dr. Manoj Kumar Sinha,	Journal of Engineering Manufacture(Part B),Vol. 233(2), 443–460, Impact Factor 1.445.	International	Modelling of specific grinding energy for Inconel 718 superalloy.	2019
25.	Dr. Manoj Kumar Sinha	Journal of Engineering Manufacture(Part B),Vol. 233(3), 2019, 727–744, Impact Factor 1.445.	International	Some investigations in grindability improvement of Inconel 718 under ecological grinding.	2019
26.	Dr. A. Debbarma	Kerntechnik, 83 36-39.	International	CFD Analysis of Rewetting Behavior in Nuclear Fuel Rod Bundle with Change in Operating Conditions.	2018

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
4.	Dr. Santosh B. Bopche	Recent Innovations and Developments in Mechanical Engineering (IC-RIDME 2018), NIT Meghalaya, Nov. 08-10, 2018. Abstract Proceeding page no. 50, Paper ID 46.	International	Effect of size and cascading of receivers on the performance of a solar collector system,	2018
5.	Dr. Param Singh	Advances in Materials, Manufacturing & Renewable Energy Systems (AMMRES-2018), BBDNITM Lucknow, August 17-18, 2018, pp. 291 – 296.	National Seminar	Design and Fabrication of Water Cooling Efficient Dehumidifier,	2018
6.	Dr. Manoj Kr. Sinha	1 st National Conference On Advances In Mechanical Engineering (NCAME-2019), NIT Delhi, 16th March 2019.	National	Improvement in Machining Characteristics of Al 6063 in Dry Environment,	2019
7.	Dr. Manoj Kr. Sinha	1st National Conference On Advances In Mechanical Engineering (NCAME-2019), NIT Delhi, 16th March 2019	National	Drilling Process Improvements in EN31 Steel under Different Environments	2019
8.	Dr. S.K. Gugulothu	1 st National Conference On Advances In Mechanical Engineering (NCAME-2019), NIT Delhi, 16th March 2019.	National	Experimental and Numerical Validation of In-Cylinder Combustion analysis of DI Diesel Engine.	2019

9.	Dr. S.K. Gugulothu	1st National Conference On Advances In Mechanical Engineering (NCAME-2019), NIT Delhi, 16th March 2019.	National	Numerical Simulation of Swirling Flow inside a Circular Tube with Different Twisted Tape Inserts	2019
10.	Dr. Dilshad A. Khan	7th International & 28th All India Manufacturing Technology, Design and Research (AIMTDR) conference 2018, December 13th -15th 2018 at College of Engineering, Guindy, Anna University, Chennai, India.	International	Design and Development of Improved Ball EndMagnetorheological Finishing Tool with Efficacious Cooling System.	2018
11.	Dr. Dilshad A. Khan	7th International & 28th All India Manufacturing Technology, Design and Research (AIMTDR) conference 2018, December 13th -15th 2018 at College of Engineering, Guindy, Anna University, Chennai, India.	International	Design and Development of Cartridge based Automated Fluid Delivery System for Ball End Magnetorheological Finishing System	2018
12.	Dr. Dilshad A. Khan	7th International & 28th All India Manufacturing Technology, Design and Research (AIMTDR) conference 2018, December 13th -15th 2018 at College of Engineering, Guindy, Anna University, Chennai, India.	International	Part Program Based Process Control of Ball-endMagnetorheological Finishing	2018

iii) PAPER ACCEPTED FOR PUBLICATION: NIL

- (c) Doctoral Programme: 07 Nos. ongoing (During Session July, 2018-July,2019)
- (d) Ph. D. Degree awarded: 03 Nos. (During Session July, 2018-July,2019)
- (e) Master Thesis completed: 14 + 11 = 25 Nos. (M.Tech in Thermal & CAD- CAM (Admitted in 2017 and Passed in 2019))

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. Sunand Kumar	Dr. Somesh Sharma	2010	Part-Time	Developing Measures to Assess the Extent of Competence Provided by Automation to to Indian Steel Corporation	In-Progress
2.	Sh. Vishal Jagota	Dr. Rajesh Sharma	-	2013	Part-Time	Investigation of Sliding Wear Behaviour of AISI H13 Tool Steel	In-Progress
3.	Sh. Jagroop Singh	Dr. Somesh Sharma	-	2013	Full Time	Assessing the Parameters of Aviation Fuel Consumption	In-Progress
4.	Sh. Rajneesh Kumar	Dr. Anoop Kumar	-	2013	Full Time	Heat Transfer Enhancement and Fluid Flow Behaviour through Non-Circular (Triangular) Duct	In-Progress
5.	Sh. Anant Krishan Pun	Dr. Siddhartha	-	2014	Part Time	Investigations on Erosion Wear Characteristics of Some Oxide and Non-Oxide Filler Based Polymer Composites	In-Progress
6.	Sh. Surender Kumar	Dr. P.K. Sood	-	2014	Full Time	Investigations on Machinability and Wear behavior of Aluminium Matrix Nanocomposite	In-Progress
7.	Sh. Paramveer Singh	Dr. S.R. Chauhan	Dr. Varun	2014	Full Time	Experimental Investigation of Diesel Engine Characteristics by using Dual Biofuel Approach for Complete Elimination of Diesel	In - Progress

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 PATENT OFFICE	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 PATENT OFFICE	24/01/2018 (Complete Specification)	Published in Journal Issue no. 08/2018, Published on date: 23/02/2018
3.	Continuous Roller Garbage Collecting Machine (Dr. Rajesh Sharma)	201911014051			04/04/2019
4.	Two Stage Solar Furnace (Dr. Santosh B. Bopche)	201811002851			21/01/2018
5.	Three Stage Solar Parabolic Dish Collector Cum Receiver (Dr. Santosh B. Bopche)	201721036668			07/02/2018
6.	Magnetorheological Finishing Tool with Electromagnet Cooling (Dr. Dilshad Ahmad Khan)	201811010878			23/03/2018
7.	System For Supplying Polishing Fluid (Dr. Dilshad Ahmad Khan)	201811010070			19/03/2018

(f) DOCTORAL PROGRAMME:

S. No.	Title of Thesis	University / Institute & Year of Ph. D. Award	Name of the Scholar	Name of the supervisors
1.	Analysis, Optimization and Design of a Modified Savonius Rotor	22-11-2018 Awarded	Mr. Sonu Sharma	Dr. Rajesh Kumar
2.	Numerical Simulation of Fracture Mechanics Problems using Meshfree Method	04-09-2018 Awarded	Mr. Sahil Garg	Dr. Mohit Pant
3.	Machining Behavior of High Strength Temperature Resistant Alloys under Minimum Quantity Lubrication Environment	10-09-2018 Awarded	Mr. Munish Kumar Gupta	Dr. P.K. Sood

5. DISTICTION ACHIEVED:

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

6. DETAILS OF LABORATORIES:

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

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



1. ACADEMIC STAFF

HEAD: Dr. Surender Kumar Soni
Ph.D.

FACULTIES:

Professor	Associate Professor	Assistant Professor	Guest Faculty (Contract)
Dr. Vinod Kapoor (on deputation)	Sh. K.S. Pandey	Dr. Krishan Kumar	Dr. Puneeta
Dr. Rajeevan Chandel	Dr. Surender Kumar Soni	Sh. Vinod Kumar	Ms. Mandeep Kaur
	Dr. Ashok Kumar	Dr. P. Daniel	Ms. Sapna Singh
	Dr. Gargi Khanna	Sh. Manoranjan Rai Bharti	Ms. Jasleen Kaur
	Dr. Ashwani Kumar Rana	Sh. Rakesh Kumar	Ms. Ravneet Kaur
		Sh. Gagnesh Kumar	Ms. Priya Kaushal
		Dr. Rohit Dhiman	Mr. Ashish Singh
		Dr. Anuradha	Ms. Shailza Kaundal
		Dr. Aman Kumar	Dr. Vindheshwari Prakash Singh
		Dr. Amit Bage	
		Dr. Dharmendra Singh Yadav	
		Dr. Chandra Shekhar Prasad	
		Dr. Saurabh 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
NIT Hamirpur	Dr. Gargi Khanna	STC on EDA Tools for Electronic System Design (ETESD-2018)	1 – 6 Jan 2018.	ECE Deptt., NIT Hamirpur

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:-

- Yash Agrawal, M. Girish, and Rajeevan Chandel, "An efficient and novel FDTD method based performance investigation in high-speed current-mode signaling SWCNT bundle interconnect," *Sādhana*, Springer Nature, vol. 43, no. 175, pp.1-12, 2018.
- Sunil Jadav and Rajeevan Chandel, "High performance 9T adiabatic SRAM and novel stability characterization using pole zero placement," *Analog Integrated Circuits and Signal Processing*, vol. 98, no.2, pp. 347–355, February 2019. (SCI).
- Yash Agrawal, M.G. Kumar, and Rajeevan Chandel, "A Unified Delay, Power and Crosstalk Model for Current Mode Signaling Multiwall Carbon Nanotube Interconnects," *Circuits, Systems, and Signal Processing*, Springer, vol. 37, no. 4, pp. 1359-1382, 2018.
- M. Girish Kumar, Rajeevan Chandel, and Y. Agrawal, "An Efficient Crosstalk Model for Coupled Multi-Walled Carbon Nanotube Interconnects," *IEEE Transactions on Electromagnetic Compatibility*, vol. 60, no. 2, pp. 487 – 496, 2018.
- Yash Agrawal, R. Parekh, and Rajeevan Chandel, "Performance Analysis of Current-Mode Interconnect System in Presence of Process, Voltage, and Temperature Variations, Lecture Notes in Electrical Engineering, Springer.

6. Yash Agrawal, Rajeevan Chandel, Mekala Girish, and Rutu Parekh, "Contemporary On-chip System Modeling using FDTD in Low Power Regime," International IEEE Symposium on Electrical Design of Advanced Packaging and Systems (EDAPS-2018), Chandigarh, India, pr#193, 16-18 Dec 2018.
7. Haritha Yeleti, Mekala Girish Kumar, Rajeevan Chandel, and Yash Agrawal, "Transient and Crosstalk Analysis of Doped and Dielectric Inserted MLG NR Interconnects," International IEEE Symposium on Electrical Design of Advanced Packaging and Systems (EDAPS-2018), Chandigarh, India, pr#192, 16-18 Dec 2018.
8. Rahul Priyadarshi, Surender Kumar Soni, R. Bhadu, et al. "Performance analysis of diamond search algorithm over full search algorithm," *Microsyst Technol*, vol. 24, no. 6, pp. 2529-2539, June 2018.
9. Nithin Malathkar and Surender Kumar Soni, "Low complexity image compression algorithm based on hybrid DPCM for wireless capsule endoscopy," [Biomedical Signal Processing and Control](#), vol. 49, pp. 197-204 Feb. 2019,
10. Manjeet Singh and Surender Kumar Soni, "Spatial Correlation-Based Clustering in Wireless Sensor Network," *International Journal of Engineering and Technology Innovation*, vol. 8, no. 4, pp. 294-306, Set. 2018.
11. Ashish Goswami and Ashok Kumar, "Performance Analysis of Wireless Sensor Networks over κ - μ Shadowed Fading Channel," *2018 International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)*, Greater Noida (UP), India, 2018, pp. 1074-1078.
12. Ashish Goswami and Ashok Kumar, "Performance analysis of multi-hop wireless communication systems over α - η - κ - μ channel," *Physical Communication*, Vol. 33, pp. 9-15, 2019.
13. Ashish Goswami and Ashok Kumar, "Performance Analysis of Wireless Sensor Networks over α - μ /Gamma, η - μ /Gamma and κ - μ /Gamma Composite Channels", *IEEE 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT)*, Kanpur, India, 6-8 July 2019.
14. Vivek Kanwar and Ashok Kumar, "DV-Hop based Range free Localization in Wireless Sensor Networks using Genetic Algorithm", *IEEE 13th International Conference on Computing for Sustainable Global Development*, New Delhi, India, 13-15 March 2019.
15. Anshu Thakur, Ashok Kumar, Nitin Gupta, and Ajay Singh, "Secrecy Outage Performance Analysis of MIMO Underlay Cognitive Radio Networks with Delayed CSI and Transmitter Antenna Selection," *International Journal of Communication Systems* (2019) 1-12. 10.1002/dac.4106.
16. Anshu Thakur and Ashok Kumar, "The SOP of the system with TAS based Underlay CRN", *3rd International Conference on Data Engineering and Communication Technology (ICDECT)* Hyderabad, India 15-16 March 2019.
17. Ashok Kumar and Tarun Gupta, "A Novel Hybrid Pre-coding Technique for Spectral Efficiency Improvement in Millimeter Wave," *4th International Conference on Nano Electronics Circuits & Communication Systems (NCCS-2018)* 03-4th Nov, 2018, Ranchi, Jharkhand, India.

18. Ashok Kumar and Lucky Singh, "Performance and Comparison Analysis of Image Processing based Forest Fire Detection," 4th International Conference on Nano Electronics Circuits & Communication Systems (NCCS-2018) 03-4th Nov, 2018, Ranchi, Jharkhand, India.
19. Apporva Dwivedi and Gargi Khanna, "Numerical simulation and modelling of a novel MEMS capacitive accelerometer based microphone for fully implantable hearing aid," *Microsystem Technologies*, vol. 24, pp. 1-13, 2018, 26738 ISBN/ISSN No.: 0946-7076.
20. Prateek Asthana and Gargi Khanna, "Finite element modelling of a piezoelectric energy harvester using lead-based and lead-free material for voltage generation", *Taylor and Francis Journal of Asian Ceramic Society*, vol. 6(4) Nov., 2018.
21. Prateek Asthana, Apporva Dwivedi, and Gargi Khanna, "Finite Element Modelling of a Wideband Piezoelectric Energy Harvester for Ambient Vibration Extraction", *Springer conference-VCAS*, 2018, MNIT Allahabad, U.P. India.
22. Apporva Dwivedi, Prateek Asthana, and Gargi Khanna, "Effect of Micro Lever width on the mechanical sensitivity of MEMS Capacitive Accelerometer", *Springer conference-VCAS*, 2018, MNIT Allahabad, U.P., India.
23. Prateek Asthana and Gargi Khanna, "A Model of a Wideband Microscale Piezoelectric Energy Harvester for extracting ambient vibrations", *Energy Harvesting Network Conference MCEC-2019*, National Physical Laboratories London, U.K.
24. Mani Shekhar Gupta and Krishan Kumar, "Progression on spectrum sensing for cognitive radio networks: A survey, classification, challenges and future research issues", *Journal of Network and Computer Applications*, Elsevier, vol. 143, pp. 47-76, 2019. (SCI Indexed).
25. Akshay Goyal and Krishan Kumar, "LTE-Advanced Carrier Aggregation for Enhancement of Bandwidth." *International Conference on VLSI, Communication and Signal Processing (VCAS 2018)*, 2018. (Accepted for publication in Springer Series Book Chapter)
26. Rohit Dhiman and Rahul Kumar, "Design and analysis of operational amplifier with FGMOS Transistor," *IEEE VLSI Circuits and Systems Letter*, vol. 4, no. 3, pp. 38-45, Aug. 2018.
27. Ramandeep Kaur, Rohit Dhiman, and Rajeevan Chandel, "Dual metal–Double gate doping less TFET: Design and Investigations," in *Nanoscale Devices: Physics, Modeling, and Their Applications*, CRC Press, Taylor and Francis, 2018.
28. Ashish Singh, Rohit Dhiman, and Rajeevan Chandel, "Modeling of mixed CNT bundle for sub-threshold interconnects", in *Proc. IEEE Electrical Design of Advanced Packaging and Systems Symposium*, 2018.
29. [Lakhindar Murmu](#), [Santasri Koley](#), [Amit Bage](#) and Sushrut Das, "A Simple WiMAX and RFID Band- Notched UWB Bandpass Filters and its Susceptibility Study," *Journal of Circuits, System and Computers*, December 2018. Online Ready (SCI).

4. (c) **Doctoral Programme:** 17 ongoing

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

4. (e) **M.Tech. Thesis completed (Year 2017-19):**

VLSI and Design Automation Technique

S.No.	Roll No.	Name of student
1	17M401	Ankit Kumar Maurya
2	17M403	Sanjeev Kumar
3	17M405	Rangala Sandeep Kumar
4	17M406	Nitika Patel
5	17M407	Shaily Singh
6	17M408	Surisetti Lalitha
7	17M410	Bharat Kumar Jangid
8	17M411	Aditya Ranjan
9	17M412	Vikas Kumar
10	17M413	Ajay Kumar
11	17M414	Akash Tyagi

Communication System & Network:

S.No.	Roll No.	Name of student
1	17M427	Randheer
2	17M428	Lucky Singh
3	17M430	Akshay Goyal
4	17M431	Aastha Gupta
5	17M432	Sanjeev Kumar
6	17M433	Ishant Sharma
7	17M434	Parmila Devi
8	17M435	Tarun Gupta

(f) DOCTORAL PROGRAMME:

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

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



ACADEMIC STAFF:

HEAD: Dr. (Mrs.) Kamlesh Dutta
Ph.D.

FACULTIES:

Professor	Associate Professor	Assistant Professor	Guest Faculty (On contract)
Dr. Lalit Kumar Awasthi, (On Deputation)	Dr. Narottam Chand Dr. (Mrs.) Kamlesh Dutta Dr. T.P. Sharma	Dr. Siddhartha Chauhan Dr. Naveen Chauhan Sh. Rajeev Kumar Dr. Pardeep Singh Sh. Nitin Gupta Dr. Madhu Kumari Dr. Lokesh Chouhan Dr. Nagendra Pratap Singh Dr. Dharmendra Prasad Mahato Dr. Chandrashekhar Jatoth Dr. Basant Subba Dr. Prakash Choudhary	Dr. Pushpender Singh Mr. Vishal Kaushal Ms Roopali Ms. Hemlata Ms. Monika Ms. Shobhna Kashyap Mr. Azad Singh Ms. Ravneet Kaur Ms. Nisha Thakur

2. DISTINCTION ACHIEVED:

(a) By students:

- Ms. Siddha Ganju, alumnus of CSE department (2011-15), featured in Forbes 30 under 30 list 2019. At present she is working as an Architect - Autonomous Vehicles, Nvidia, Santa Clara, CA, USA.
- Kartikeya Sharma, Mukesh Kumar Kharita, Sukhbir Singh, Rishabh Chaudhary, Prakriti Gupta, Rashi Sah, Sarbjit Cheema, Sourav Sahoo were selected for GSoC Summer Internship during 2018.
- Akhilesh Kumar, Sukhbir Singh, Rishabh Chaudhary, Kartik Kumar, Vansika Pareek, Mayank Dhiman, Rohit Kumar Singh were selected for GSoC Summer internship during 2019
- Kaertikey Sharma, Param Singh and Rashi Sah attended Music Brainz Summit-2018, Barcelona, Spain during 26 Sep-02 Oct. 2018. They received full sponsorship from the Summit organizers.
- Param Singh attended Google Summer of Code Mentor Summit-2018 during 12-14 Oct. 2018 at, Sunnyvale, California.
- Kumar Shashwat did his Summer Internship 28, May 28, July, 2018 at University of South Florida, Tampa, Florida, US.
- Param Singh received package of 1.20 crores from Stripe, Inc., US based company.
- CSEC Society organized Heuristics. once in every month.
- Biweekly Programming Meets in each month by CSEC
- Software Freedom Day on 21-22 Sept'18 by GLUG-NITH
- Workshop on Git, Github and Hacktoberfest on 30-31 Oct'18 by App Team
- Hack 3.0 on 9-10 Feb'19 by CSEC society.
- Workshop on Android Development on 17th Feb'19 by App Team
- Hack on Hills on 8-10 March'19 by App Team

By faculty Members:

- Mr. Nitin Gupta, appointed as a member of the Executive Committee of the IEEE Communication Society- Delhi Chapter.
- Dr. Basant Subba Received DST grant for organizing workshop on “Advances in Artificial Intelligence & Machine Learning 2019”
- Dr. Chandrashekhar Jatoth received DST grant for organizing two week faculty development programme (FDP) on “Blockchain Technologies and its applications”.
- Dr. Lokesh Chouhan is mentor of CM-Startup/Innovation Projects of two startups.

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

(a) Conducted in the CSE Department:

Sponsoring Agency	Name of the Coordinator	Title of the Seminar/symposia	Duration	Venue
HP CM Start up Fund, GitHub	Dr. Kamlesh Dutta Dr. Basant Subba Mr. Sukhbir Singh Mr. Vishal Choudhary	Hack on Hill 4.0	8-10 March, 2019	NIT Hamirpur

(b) Participated by Faculty Members:

Name of the Staff	Course/Seminar	Organization	Duration	Venue
Dr. Dharemdra Prasad Mahato	Universal Human Values and Professional Ethics	IIT Mandi	18-20 January, 2019	IIT Mandi
Dr. Kamlesh Dutta, Dr. Narottam Chand, Dr. T.P. Sharma, Dr. Siddhartha Chauhan (Session Chair)	First International Conference on Secure Cyber Computing & Communication (ICSCCC-2018)	NIT Jalandhar	15 -17 December , 2018	NIT Jalandhar

4. RESEARCH:

a. RESEARCH SCHEME:

Dr. Naveen Chauhan and Er. Rajeev Kumar completed project on “Post disaster Communication Recovery using integrated mobile Adhoc Network”.

b. RESEARCH PUBLICATION FOR THE YEAR 2018-19:

i) PAPER PUBLISHED BY FACULTIES:

1. Parnika Bhat and Kamlesh Dutta, "A Survey on Various Threats and Current State of Security in Android Platform", ACM Computing Surveys (CSUR), Volume 52 Issue 1, Article No. 21, February 2019. (SCI, impact factor 6.131)
2. Kamlesh Dutta, Varun Gupta and Vachik S. Dave, "Analysis and Comparison of Neural Network Models for Software Development Effort Estimation", Journal of Cases on Information Technology (JCIT) 21(2) pages 25, 2019. IGI Global. (ESCI)
3. Sunil Kumar, Kamlesh Dutta, Anjani Garg, "FJADA: Friendship Based JellyFish Attack Detection Algorithm for Mobile AdHoc Networks", Wireless Personal Communications, August 2018, Volume 101, Issue 4, pp 1901–1927 Springer (SCI-0.951/Scopus).
4. Sunil Kumar, Kamlesh Dutta, "Trust Based Intrusion Detection Technique to Detect Selfish Nodes in Mobile AdHoc Networks", Wireless Personal Communications, August 2018, Volume 101, Issue 4, pp 2029–2052, Springer (SCI-0.951/Scopus).

5. Arvind Dhaka and Siddhartha Chauhan, "Statistical Analysis of Modified Fading Simulator in Rayleigh Fading Environment", *International Journal of Grid and Distributed Computing*, Vol. 11, No. 4 (2018), pp.59-70 (Emerging Sources Citation Index ESCI)
6. Pankaj Kumar and Lokesh Chouhan, "Cloud- and IoT-Powered Smart Connected Cities" in the book *Big Data Analytics for Smart and Connected Cities*, pages 32, 2019, IGI Global
7. H.S. Lalventhingi and Lokesh Chouhan, "Adaptive Energy Detection Based Solution for Fronthaul Problem in C-RAN," *Wireless Personal Communications (WPC)*, Springer Publication. September 2018
8. Sanjay K. Dhurandher, Nitin Gupta and Petros Nicopolitidis, "Contract Theory based Medium Access Contention Resolution in TDMA Cognitive Radio Networks", *IEEE Transactions on Vehicular Technology*, Early Access, DOI: 10.1109/TVT.2019.2922478, Pages 1-10, June 2019.
9. Nitin Gupta, Sanjay K. Dhurandher, and Aarushi Sehgal, "A Contract Theory Approach Based Scheme to Encourage Secondary Users for Cooperative Sensing in Cognitive Radio Networks", *IEEE Systems Journal*, in press, DOI: 10.1109/JSYST.2019.2927686, Pages 1-10, July 2019.
10. Nitin Gupta, Sanjay K. Dhurandher and Isaac Woungang, "Sub-Carriers Assignment Scheme for Multiple Secondary Users in OFDMA Based IEEE 802.22 WRAN: A Game Theoretic Approach", in *Transactions on Emerging Telecommunications Technologies*, Wiley, e3502, <https://doi.org/10.1002/ett.3502>, Aug, 2018.
11. Nitin Gupta, Sanjay K. Dhurandher, Isaac Woungang and Joel J. P. C. Rodrigues, "On the Optimal Target Channel Sequence for Multiple Handoffs in IEEE 802.22 Networks", in *International Journal of space based and situated computing*, Inderscience, Vol. 8, No. 4, pages 214-224, April, 2019.
12. Nitin Gupta, Sanjay K. Dhurandher, and Bhoopendra Kumar, "Cognitive Radio Networks: A Comprehensive Review", in *Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization*, Book Chapter in IGI Global, ISBN: 9781522573364 (ebook), DOI: 10.4018/978-1-5225-7335-7.ch021, Pages: 491-518, March, 2019.
13. Pushpender Kumar Dhiman, Narottam Chand, Naveen Chauhan, and Rajeev Kumar, "Cooperative Caching in Wireless Multimedia Sensor Networks", *Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization*, pages 21, IGI Global 2019
14. Prashant Kumar, Naveen Chauhan, Narottam Chand and Lalit K. 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
15. Ankit Songara , Lokesh Chouhan and Pankaj Kumar, "Blockchain Security for Wireless Multimedia Networks", book chapter in *Cryptographic and Information Security Approaches for Images and Video*, CRC Press, December 26, 2018
16. Rakesh Kumar Dutta, Kamlesh Dutta, Roushan Kumar, Shubham Chaudhary, "Development of Mobile App for the Soil Classification", *Journal on Mobile Applications and Technologies*, Vol 6, Issue 1, 2019
17. Dharmendra Prasad Mahato, Jasminder Kaur Sandhu, Nagendra Pratap Singh and Kamlesh Dutta, "Dependability Analysis for On-Demand Computing Based Transaction Processing System", *International Conference on Advanced Information Networking and Applications*, 27-29 March, 2019, Matsue, Japan

18. Nitin Gupta and Neelam Dayal, "Optimal Cache Placement by Identifying Possible Congestion Points in Wireless Sensor Networks", International Conference on Wireless Intelligent and Distributed Environment for Communication, 18-20 August, 2018, Toronto, Canada
19. Nitin Gupta, Sanjay K. Dhurandher, and Bhoopendra Kumar, "Cognitive Radio Networks: A Comprehensive Review", in Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization, Book Chapter in IGI Global, ISBN: 9781522573364 (ebook), DOI: 10.4018/978-1-5225-7335-7.ch021, Pages: 491-518, March, 2019.
20. Bhattu Bhaskar, Chandrashekar Jatoth, G.R. Gangadharan, "A Map Reduce-based modified Grey Wolf optimizer for QoS-aware big service composition", Concurrency and Computation: Practice and Experience (CCPE), 24 May 2019 <https://doi.org/10.1002/cpe.5351>, Wiley (SCI impact factor 1.167)

ii) PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIUM:

1. Pavan Bansal and Lokesh Chouhan, "A Survey on Cloud Federation Architecture and Challenges," International Conference on Social Networking and Computational Intelligence (SCI-2K18), RGPV Bhopal, Conference date: March 8-9, 2019.
2. Navanshu Agarwal, Ishita Parmar, Sheirsh Saxena, Ridam Arora, Shikhin Gupta, Himanshu Dhiman, Lokesh Chouhan, "Stock Market Prediction Using Machine Learning," International Conference on Social Networking and Computational Intelligence (SCI-2K18), RGPV Bhopal, Conference date: March 8-9, 2019.
3. Vidushi Agarwal, Ashish K. Kaushal, Lokesh Chouhan, "A Survey on Cloud Computing Security Issues and Cryptographic Techniques," International Conference on Social Networking and Computational Intelligence (SCI-2K18), RGPV Bhopal, Conference date: March 8-9, 2019.
4. Vidushi Agarwal, Ashish K. Kaushal, Lokesh Chouhan, "Applications of Machine Learning in Wireless Sensor Networks," 1st International Conference on Machine Learning, Image Processing, Network Security and Data Sciences, NIT Kurukshetra, INDIA, Conference date: March 3-4, 2019.
5. Navanshu Agarwal, Lokesh Chouhan, "Blockchain based Smart Contracts and Their Applications: An Overview," International Conference on Digital Economy, Indian Institute of Management (IIM) Raipur, INDIA, Conference date: Feb 8-9, 2019.
6. Pankaj Kumar and Lokesh Chouhan, "Distributed Recovery in Moveable Wireless Sensor Networks, First International Conference on Secure Cyber Computing and Communications, National Institute of Technology (NIT), Jalandhar, Conference date: December 15-17, 2018.
7. Navanshu Agarwal, Ishita Parmar, Sheirsh Saxena, Ridam Arora, Shikhin Gupta, Himanshu Dhiman, Lokesh Chouhan, "Stock Market Prediction Using Machine Learning," First International Conference on Secure Cyber Computing and Communications, National Institute of Technology (NIT), Jalandhar, Conference date: December 15-17, 2018.
8. Jalaz Kumar, Rajeev Kumar, Pushpender Kumar, "Outcome Prediction of ODI Cricket Matches using Decision Trees and MLP Networks", First International Conference on Secure Cyber Computing and Communications, National Institute of Technology (NIT), Jalandhar, Conference date: December 15-17, 2018.

9. Gurpreet Singh, Rajeev Kumar, Poonam Kashtriya, "Detection of Potholes and Speed Breaker on Road", First International Conference on Secure Cyber Computing and Communications, National Institute of Technology (NIT), Jalandhar, Conference date: December 15-17, 2018.
10. Sanjay Kumar Dhurandher, IsaacWoungang, Nitin Gupta, Rishabh Jain, Devesh Singhal, Joshika Agarwal and Mohammad S. Obaidat, "Optimal Secondary Users Selection for Cooperative Spectrum Sensing in Cognitive Radio Networks", in proceedings of Global Communication Conference, IEEE Globecom, Abu Dhabi, pages 1-6, 09-13 Dec 2018
11. Vishal Raman, Madhu Kumari, "Multimodal Deep Learning in Semantic Image Segmentation: A Review", International Conference on Cloud Computing and Internet of Things (CCIoT-2018) 29-31 oct. 2018/ Singapore.
12. Ishita Parmar, Navanshu Agarwal, Sheirsh Saxena, Ridam Arora, Shikhin Gupta, Himanshu Dhiman and Lokesh Chouhan, "Stock Market Prediction Using Machine Learning", IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) 15-17 December, 2018, Jalandhar
13. Shubham Kumar Jain and Pardeep Singh, "Systematic Survey on Sentiment Analysis", IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) 15-17 December, 2018, Jalandhar
14. Sudhanshu Raman and Pardeep Singh, "Comparative Analysis of Tools Used for Privacy Preserving Distributed Data Mining", IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) 15-17 December, 2018, Jalandhar
15. Tanuj Wala, Narottam Chand and Ajay K. Sharma, "Group Head Selection in WSN using EM Algorithm", IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) 15-17 December, 2018, Jalandhar
16. Mukesh Kumar Kharita, Atul Kumar, and Pardeep Singh, "Item-Based Collaborative Filtering in Movie Recommendation in Real time", IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) 15-17 December, 2018, Jalandhar
17. Nishant Sharma, Naveen Chauhan and Narottam Chand, "Security challenges in Internet of Vehicles (IoV) environment", IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) 15-17 December, 2018, Jalandhar
18. Prashant Kumar, Naveen Chauhan and Narottam Chand, "Mobility Models and Simulation Tools for Opportunistic Networks", IEEE First International Conference on Secure Cyber Computing and Communication (ICSCCC) 15-17 December, 2018, Jalandhar
19. Varsha Katre and Siddhartha Chauhan, "Cluster Head Failure Detection and Correction Algorithm for WSN", Second International Conference on Intelligent Computing and Control Systems (ICICCS), 14-15 June, 2018, Madurai
20. Anamika Sharma and Siddhartha Chauhan, "Optimal Threshold Coverage Area (OTCA) Algorithm for Random Deployment of Sensor Nodes in Large Asymmetrical Terrain", International Conference on Advances in Computing and Data Sciences, Springer, 20-21 April, Dehradun

21. Deepshikha and Siddhartha Chauhan, "Load Adaptive and Priority Based MAC Protocol for Body Sensors and Consumer Electronic (CE) Devices", International Conference on Advances in Computing and Data Sciences, Springer, 20-21 April, Dehradun.
22. Piyush Rawat and Siddhartha Chauhan, "Energy Efficient Clustering in Heterogeneous Environment", IEEE Second International Conference on Inventive Communication and Computational Technologies (ICICCT) 20-21 April 2018, Coimbatore.
23. Deepshikha and Siddhartha Chauhan, "Protocol for body Sensors and Consumer electronic (CE) Devices", International Conference on Advances in Computing and Data Sciences, (ICADCS-2018) Springer, 20-21 April, 2018, Dehradun.
24. Sushil Kumar Saroj, Shiho Oshiro, Pratima Yadav, Nagendra Pratap Singh (2019). "An Efficient Approach for Plant Leaves Identification Based on Texture Features", International Journal of Computational Intelligence, IoT, 2(3).
25. Sushil Kumar Saroj, Nigam N ., Pratap Singh, N. (2018), "Performance Evaluation of Breast Cancer Classifiers using Different Tools", International Journal of Computational Intelligence IoT, 2(3).
26. Sanasam Inunganbi, Prakash Choudhary, "Recognition of Meitei Mayek Using Statistical Texture and Histogram Features", In: Santosh K., Hegadi R. (eds) Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2018. Communications in Computer and Information Science, vol 1037.
27. Ashutosh Dadhich, Kamlesh Dutta (2018), "Real-Time Printed Text Reader for Visually Impaired", In: Chakraverty S., Goel A., Misra S. (eds) Towards Extensible and Adaptable Methods in Computing. pp 327-337, Springer

iii) PAPER ACCEPTED FOR PUBLICATION:

Anshu Thakur, Ashok Kumar, Nitin Gupta and Ajay Singh, "Secrecy Outage Performance Analysis of MIMO Underlay Cognitive Radio Networks with Delayed CSI and Transmitter Antenna Selection", Accepted in International Journal of Communication Systems, Wiley, June, 2019.

iv) Patents: NIL

Research Publication:

- i) PAPER PUBLISHED BY FACULTIES: 47
- ii) PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIUM: 27
- iii) PAPER ACCEPTED FOR PUBLICATION: 1
- iv) PATENT: NIL

c. DOCTORAL PROGRAMME: 02 Nos. Submitted & 17 Nos. in progress

d. Ph.D DEGREE AWARDED: 2 Nos.

e. MASTER THESIS COMPLETED: 19 Nos.

S.No.	Roll No.	Student Name	Supervisor Name	Title of Dissertation
1.	16M501	Bharti	Dr. T. P. Sharma	Efficient Fault Detection and Recovery in Wireless Sensor Networks
2.	16M502	Himanshu Kumar	Dr. Narottam Chand	An Energy Efficient Threshold Based Routing Protocol in Heterogeneous Wireless Sensor Network
3.	16M503	Priyanka Yadav	Dr. Madhu Kumari	Deep Visual Attention for Automatic Image Caption
4.	16M504	Lincoln Amory Rancee	Dr. Kamlesh Dutta	A Machine Translation Framework for English To Khasi Translation
5.	16M505	Poonam Kashtriya	Er. Rajeev Kumar	Energy Optimization Using Game Theory in Energy-Harvesting Wireless Sensor Networks
6.	16M506	Kanchan Jha	Dr. Kamlesh Dutta	Dependency Management in Smart Home System
7.	16M507	Vibha Jain	Dr. Naveen Chauhan	An Adaptive Prediction Strategy with Clustering in Wireless Sensor Network
8.	16M508	Yeruru Asrar Ahmed	Dr. Madhu Kumari	Residual Dense Multi-Scale Convolutional Neural Network for Image Semantic Segmentation
9.	16M509	Subeesh A	Dr. Naveen Chauhan	Flood Early Detection System Using Internet of Things
10.	16M510	Anand Kumar Ohm	Dr. Kamlesh Dutta	Anaphora Resolution in English to Hindi Machine Translation
11.	16M511	Priyanka Gautam	Dr. Pardeep Singh	Word Sense Disambiguation for Hindi
12.	16M512	Piyush Rawat	Dr. Siddhartha Chauhan	An Energy Efficient Random Number Clustering in Wireless Sensor Network
13.	16M514	Sumit Binda	Dr. Lokesh Chouhan	Tasks Allocation Based on Energy and Schedule in Edge IoT
14.	16M526	Vinay Dubey	Dr. Naveen Chauhan	Forest Fire Detection System Using Internet of Things
15.	16M527	Varsha Katre	Dr. Siddhartha Chauhan	Cluster Head Failure Detection and Correction Algorithm for WSN
16.	16M528	Aastha Maheswari	Dr. Narottam Chand	Energy Efficient Sensor Scheduling in Hexagon Grid Based Wireless Sensor Network
17.	16M529	Om Prakash Singh	Dr. T.P. Sharma	Efficient Data Dissemination Vehicular Ad-Hoc Networks
18.	16M530	Gurpreet Singh	Er. Rajeev Kumar	Detection of Potholes and Speed Breakers on Road using IoT
19.	16M531	Ankit Songara	Dr. Lokesh Chouhan	Block Chain: A Centralized Technique for Securing Internet of Things

f. DOCTORAL PROGRAMME:

.	Title/Area	Supervisor	Name of the student	Brief Report
1	Social Media Text Analytics	Dr. Madhu Kumari	Sh. Tajinder Singh	Awarded
2	Characterization and statistical optimization of fading channel impairments in MIMO channel	Dr. Siddhartha Chauhan	Mr. Arvind Dhaka	Awarded
3	Collaboration in opportunistic Network	Dr. Naveen Chauhan	Sh. Prashant Kumar	Submitted
4	Wireless Sensor Networks	Dr. Narottam Chand	Sh. Gopal Chand Gautam	Submitted
5	Energy Efficient Operations in Wireless Sensor Networks	Dr. Narottam Chand Dr. Naveen Chauhan	Sh. Rajeev Kumar	In Progress
6	Semantic Interplay in Text Document	Dr. Madhu Kumari	Sh. Triveni Lal Pal	In Progress
7	Wireless Body Area Network	Dr. Siddhartha Chauhan	Mrs. Deep Shikha	In Progress
8	QOS in Surveillance Wireless Sensor Network	Dr. Siddhartha Chauhan	Ms. Anamika Sharma	In Progress
9	Security in Mobile Ad hoc Networks	Dr. Siddhartha Chauhan	Mr. Shashi Gurung	In Progress
10	Online Social Networks	Dr. Madhu Kumari	Mr. Mohammad Ahsan	In Progress
11	Improving Data Availability in Internet of Vehicles	Dr. Naveen Chauhan	Mr. Nishant Kumar	In Progress
12	Internet of Vehicles	Dr. T.P. Sharma Dr. Ajay K. Sharma	Ms. Richa	In Progress
13	Wireless Sensor Networks	Dr. Narottam Chand Dr. Ajay K. Sharma	Ms. Tanuj Wala	In Progress
14	Discourse and Anaphora	Dr. Pardeep Singh Dr. Kamlesh Dutta	Ms. Kusum Lata	In Progress
15	Information Security	Dr. Kamlesh Dutta	Ms. Parnika Bhat	In Progress
16	Secure Addressing and Identification scheme for IoT network	Dr. Lokesh Chouhan	Mr. Pankaj Kumar	In Progress
17	Wireless Sensor Networks	Dr. Siddhartha Chauhan	Ms. Nilanshi Chauhan	In Progress
18	Wireless Sensor Networks	Dr. Siddhartha Chauhan	Piyush Rawat	In Progress
19	Natural Language Processing	Dr. Kamlesh Dutta	Chetan Agarwal	In Progress
20	Natural Language Processing	Dr. Pardeep Singh	Namrata	In Progress
21	Internet of Things	Dr. Lokesh Chouhan	Amita	In Progress

g. PhD ADMISSIONS (2018-2019):

Sr. No	Area	Guide	Name of the student	Brief Report
1	Wireless Sensor Networks	Dr. Siddhartha Chauhan	Piyush Rawat	In Progress
2	Natural Language Processing	Dr. Kamlesh Dutta	Chetan Agarwal	In Progress
3	Natural Language Processing	Dr. Pardeep Singh	Namrata	In Progress
4	Internet of Things	Dr. Lokesh Chouhan	Amita	In Progress

h. PhD DEGREE AWARDED (2018-2019):

Sr. No	Title/Area	Guide	Name of the student	Brief Report
1	Social Media Text Analytics	Dr. Madhu Kumari	Sh. Tajinder Singh	Awarded
2	Characterization and statistical optimization of fading channel impairments in MIMO channel	Dr. Siddhartha Chauhan	Mr. Arvind Dhaka	Awarded

i. EXPERT LECTURES DELIVERED BY FACULTY:

1. Dr. Lokesh Chouhan delivered Expert Lecture on, "Optimization with MATLAB", one week workshop on Applications of MATLAB in Engineering and Science (WAMES – 2018), NIT Hamirpur, 6-11, December 2018.
2. Er. Nitin Gupta delivered invited lecture at Shiva Engineering college, Bilaspur for BTech students on 12.11.2018

j. POPULAR LECTURES BY OUTSIDE EXPERTS:

Dr. Dharmendra Yadav, MNNIT Allahabad, Delivered Expert Talk on 19th May, 2018 in CSE Department.

k. 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	ongoing
2.	Automation of Dr.Rajendra Prasad Govt. Medical College, Kangra	Automation of Dr.Rajendra Prasad Govt. Medical College, Kangra	ongoing

3.	Migration from IPV4 to IPV6, Vizag Steel, Vishakhapatnam	Vizag Steel, Vishakhapatnam	ongoing
4.	Development of Website of Dr.Radhakrishnan, Government Medical College, Hamirpur	Government Medical College, Hamirpur	ongoing
5.	Development and Integration of one city platform multidepartment Co-ordination Tool of E-governance and one city app.	DSCL	ongoing

(i) EQUIPMENT ACQUIRED:

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

5. TECHNICAL ASSOCIATION / SOCIETIES:

Dr. Nagendra Pratap Singh: 1) Life time membership of “International Technology and Engineering Education Association (ITEEA)”; 2) Life time membership of “International Association of Engineers (IAENG)”

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. AmanjeetKaur, M.Arch.
Dr. BhanuM Marwaha, 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.
		Dr. Rashmi Kumari, Ph.D.

2. Distinction Achieved:

- a) By Student: : 03 No.
b) By Faculty Member: : 02 No.

3. Research:

a) Research Publication

i) Paper Published by faculties:

International journal

International Conferences

Research Project**1. EXTERNAL SPONSORED R&D PROJECTS**

Dr. Aniket Sharma, Dr. Vandna Sharma

Sr. No.	Title of R&D Project/Patent	Heading Status [PI / Co-PI(.)]	Present Status of Project [Completed / Ongoing]	Patent Granted [Yes / No]	Rs.
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	Completed	No	6,37,800/-
2	Building Urban Resilient Communities	PI	ongoing	NO	1,50,000/- Approx.

Book published

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

Dr. Aniket Sharma, Dr. Vandna Sharma

b) Doctoral Programme: 06 nos. ongoing

Sr. No.	Title	Guide	Name of the Student	Brief report
1.	Impact of Land Acquisition on affected families	Dr. Minakshi Jain	Mr. SachinYadav	Awarded
2.	The Impact of Urban land use Pattern on Environment: A case of Yamuna Express way	Dr. I.P. Singh	Ar. Kaushlendra Singh	SOA completed
3.	Assessment of spatial and non-spatial aspects of a built enclose space influencing its indoor air quality	Dr. Bhanu Marwaha	Ar. Venu Shree	SOA completed
4.	A Geo design approach for spatial planning in hill areas.	Dr. Minakshi Jain	Ar. Neetu Kapoor	SOA completed
5.	Sustainable development of trikuta hills katraJamu.	Dr. Minakshi Jain	Ar. Vikas Bhola	SOA completed
6.	Sustainable development model by integrating landscape with built form.	Dr. Minakshi Jain	Ar. Priyank Jain	SOA completed
7.	Impact of Landscape on water	Dr. Puneet Sharma	Ms. Akansha Soni	SOA completed
8	Role of fenestrations for daylight performance in offices Government of Hamirpur	Dr. Aniket Sharma	Mr. Rohit	SOA completed

c) Popular Lectures by Outside Experts:

Sr. No.	Date	Speaker	Topic
1.	Sept-2018 at Architecture Deptt. Nagrota	Dr. Puneet Sharma	Sustainable Architecture

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 M. Marwaha	CA/92/15454	National
4.	Associate Member of The Indian Institute of Architects Mumbai	Dr. Bhanu M. Marwaha	A-14291	National
5.	Fellow Member ITPI – New Delhi	Dr. I. P. Singh	2006/52	National
6.	Fellow Member of The Indian Institute of Architects Mumbai	Dr. I.P. Singh	A-16465	National
7.	Council of Architecture	Dr. I.P. Singh	CA/89/12443	National
8.	Council of Architecture	Ar. Amanjeet Kaur	CA/2001/28647	National
9.	Member of The Indian Institute of Architects Mumbai	Ar. Amanjeet Kaur	Lifetime	National
10.	Council of Architecture	Dr. Vandna Sharma	CA/2005/36353	National
11.	Council of Architecture	Ar. Venu Shree	CA/2006/38789	National
	Member of The Indian Institute of Architects Mumbai	Ar. Sandeep Sharma	Lifetime	National
12.	Council of Architecture	Ar. Sandeep Sharma	CA/2006/37836	National
13.	Member of The Indian Institute of Architects Mumbai	Dr. Puneet Sharma	Lifetime	National
14.	Council of Architecture	Dr. Puneet Sharma	CA/2004/33626	National
15.	Institute of Urban Design India	Dr. Puneet Sharma	Lifetime	National
16.	Member of The Indian Institute of Architects Mumbai	Dr. Aniket Sharma	Lifetime	National

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

5. 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

6. Student Activities:

- Nimbus 2018
- ZONASA-2018
- NASA-2018
- Various design competitions at national and international level.
- Indo –US science and technology Forum (IUSSTF) fellowship Programm in university of Wisconsin (UWM) from 15 May to 15 August 2019 (Ar. Venu Shree).

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES



1. ACADEMIC STAFF:

HEAD: Dr. Yogesh Gupta

Ph.D

FACULTIES:

Professor	Associate Professor	Assistant Professor Gr-II
Dr. Piar Chand, Ph.D	Dr. Yogesh Gupta, Ph.D	Dr. Saroj Thakur, Ph.D Dr. Manoj Sharma, Ph.D Dr. Mohd. Adil, Ph.D Dr. Vivek Tiwari, Ph.D Dr. Manoj Kumar Yadav, Ph.D Dr. Sunder Kala Negi, Ph.D

2. RESEARCH :-

(a) Research Publication:

i) Paper published in National and International Conferences/Seminars:

Author	Year	Title of Publication	Name of Journal ISSN	Volume (Issue)	Pages (PP)
Manoj Sharma	2019	Relation between Labour Productivity and Export Competitiveness of Indian Textile Industry: Counteraction and Causality Approach	Vision: The Journal of Business Perspective Sage Publications	23(1)	22-30
Ritu Rana & Manoj Sharma	2019	Dynamic Causality Testing for EKC Hypothesis, Pollution Haven Hypothesis and International Trade in India	The Journal of International Trade & Economic Development (United Kingdom) ISSN:0963-8199 (Print) ISSN:1469-9559 (online)	28(3)	348-364
Ritu Rana & Manoj Sharma	2019	International trade, foreign direct investment, economic growth and CO2 emissions: a study of India	Interdisciplinary Environmental Review, (United Kingdom) ISSN: 1521-0227(Print) ISSN:2042-6992 (Online)	20 (1)	73-82
Manoj Sharma & Vinod Kumar	2018	Apple farming in Himachal Pradesh : Identification and examination of production problem of Apple Growers	Himachal Pradesh Journal of Social Sciences ISSN: 2249 3441	8(1)	74-91
Manoj Sharma & Vinod Kumar	2018	Apple Farming in Himachal Pradesh: An Assessment of Marketing Problems of Apple Growers	Administrative Development ISSN: 2319-1976	V(2)	13-23

Shivam Dogra, Rajneesh Parkash Verma and Yogesh Gupta	2018	FDI and its Determinants Evidence from Emerging Nations	IJETSR	V-5 (5)	583-600
Roopali, K. Adil, M., Himanshu & Saklani, R	2018	Determinants of Behavioral Intentions in m-Banking.	Paper presentation in GLOGIFT IIN Lucknow		1-12

3. P.G. Supervision

Sr. No.	Title of Dissertation/Project	Guide/Supervisor	Department/Institute	Year
1.	Promotion of Rural Tourism through Home Stay in Himachal Pradesh A Study of Kangra District	Dr. Manoj Sharma	M&HD, NIT Hamirpur	July,2018
	Coordination among Humanitarian Supply chain and Commercial Supply Chain during disaster Relief operations	Dr. Yogesh Gupta	M&HD, NIT Hamirpur	July,2018
	FDI and its determinants: evidence from emerging nations	Dr. Yogesh Gupta	M&HD, NIT Hamirpur	July,2018
	Exploring Impact of product and consumer characteristics on ecommerce adoption: A case study of NIT Hamirpur	Dr. Yogesh Gupta	M&HD, NIT Hamirpur	July,2018
	Determinants of Consumers' initial Trust and Behavioral Intention in m-Banking	Mohd. Adil	M&HD, NIT Hamirpur	July,2018

	Advertising Effect, Memory-Based Measures and Brand Recall: An Experimental Study		M&HD, NIT Hamirpur	July,2018
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In Progress

Sr. No.	Title of Dissertation/Project	Guide/Supervisor	Department/Institute
	Performance of Mutual fund in India : Empirical analysis of open ended equity and debt funds	Dr. Yogesh Gupta	M&HD, NIT Hamirpur
	FII and its Determinants: Evidence from India	Dr. Yogesh Gupta	M&HD, NIT Hamirpur
	Measuring Attitude of Women Working in Self-Help Group (SHG s)of Kangra and Hamirpur	Mohd. Adil	M&HD, NIT Hamirpur
	From Thinking Green to Buying Green A Study of NIT Hamirpur	Mohd. Adil	M&HD, NIT Hamirpur

4. PH.D Degree Awarded

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	Awarded
2.	Performance An analysis of Indian Textile Exports: A study of post Reform Period.	Dr. Manoj Sharma	Mr. Rahul Dhiman	Awarded

4. (b) DOCTORAL PROGRAMME: 03 Nos. on going

Sr.No.	Title	Guide's	Name of Student	Brief Report
1	Organizational Behavior (O.B)/HRM	Prof. Piar Chand	Ms. Sonika	In progress
2	FDI/Environmental Economics	Dr. Manoj Sharma	Ms. RituRana	In progress
3	Transport Management Economics	Dr. Manoj Sharma Prof. Piar Chand	Mr. Daljit Singh	In progress

5(a) Sponsored Research Project:

Sr. No.	Title of Project	Sponsoring Organization	PI	Year of award	Status
1	Determinants of Volatility in Farm Income, Prices and Yields of Apple: An Empirical Study of Himachal Pradesh, India	ICSSR, New Delhi	Dr. Manoj Sharma	2018	Completed Feb. 2019
2	Impact of Government to Citizen e-governance Services in HP	HP Institute of Public Administration, Shimla	Dr. Manoj Sharma	2018	Completed Dec 2018
3	Linking Human Resource Management: and Environmental Performance: The Role of Organizational Citizenship Behaviour for the Environment	ICSSR MHRD New Delhi	Dr. Mohd. Adil	2018	Completed Dec 2018
4	The Synergetic Effect of financial factors and public Promotion Programme on Export Performance: An Empirical Examination of small and Medium – Sized Enterprises.	ICSSR MHRD New Delhi	Dr. Mohd. Adil	2018	Completed Dec 2018

5 (b) In Progress

Sr. No.	Title of Project	Sponsoring Organization	PI
	Prospects and Problems of Tribal Entrepreneurship	Tribal Development Department, Himachal Pradesh	Dr. Manoj Sharma

6. 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	Dr. Rajesh Kumar
-	Dr. Arvind Kumar	Dr. Vimal Sharma
-	Dr. Kuldeep Kumar Sharma	-

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
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(b) Research Publication

i) PAPER PUBLISHED BY FACULTIES:

Analysis of anomalous transport mechanism across the interface of Ag/p-si Schottky diode in wide temperature range superlattices and Microstructure Vol 128, (2019) P 373-381

ii) PAPER PRESENTED IN CONFERENCE/SEMINAR/SYMPOSIUM:

iii) PAPER ACCEPTED FOR PUBLICATION: -nil-

iv) PATENT: -nil-

(c) Doctoral Programme: **04 Nos. Ongoing**

Sr. No	Title	Guide	Name of the student	Brief Report
1.	--	Dr. Subhash Chand	Mr. Naveen Kumar	In progress
2.	--	Dr. Kuldeep Kumar Shrama	Mr Arvind Kumar	In progress

3.	--	Dr. Rajesh Kumar	Ms. Leelavati	In progress
4.	Study of Ni Doped Rare Earth Cobaltite Thin Film	Dr. Rajesh Kumar	Mr. Ashok Kumar	In progress

(d) Ph.D Degree awarded: Nil

(e) Master thesis completed: 13

(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)

5. TECHNICAL ASSOCIATION / SOCIETIES: -nil-

6. DETAIL OF THE LABORATORIES:

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

DEPARTMENT OF CHEMISTRY



ACADEMIC STAFF

1. **HEAD: -** Dr. Bharti Gaur
Ph.D.

FACULTIES:-

Professor	Associate Professor	Assistant Professor
Dr. A.S. Singha	Dr. Pamita Awasthi	Dr. Raj Kaushal
	Dr. Bharti Gaur	Dr. K.S. Ghosh
		Dr. Jaibir Kherb
		Dr. Jai Prakash

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

Sponsoring Agency	Name of the Coordinator	Title of the seminar/symposia etc.	Duration	Venue
Nil				

3 RESEARCH

Research Scheme

Title of the scheme	Sponsored by	Assistance received(Rs.) in lakh	Investigator	Brief Report
“Synthesis, characterization, biological & computational study of series of 1-[1-oxo-3-phenyl-2-(benzosulfonamide)-propylamido]-anthracene-9,10-dione analog - Anthraquinone based anticancer drugs.”	DST, Govt. of India Reference No: SR/WOS-A/CS-1030/2015	24,30,000	PI :Ms. Manu Vatsal, Scientist Mentor : Dr. Pamita Awasthi	on going 2017-2020
Manufacture of pine needle based fiber/Particle boards	DST, Govt. of India	40.77 Lacs	Dr. Bharti Gaur	On going
Exploring diversity, Functional Dynamics and Biotechnological Applications of Bacterial Communities Inhabiting Hot Water Spring Atop the Himalayan Ranges at Manikaran, Himachal Pradesh, India	DBT Govt. of India	52,23,200	Dr. Bharti Gaur Prof. Rup Lal Prof. Mallikarjun N Shakarad	On going
Designing, preparation, characterization and ant proliferative activity of titanium based drugs.	Funded by : SERB, DST, New Delhi	11 lacs	Dr. Raj Kaushal	Completed
Development of functionalized nanocomposite based high-performance nanosensors.	DST, Govt. of India	35 Lac (7 lac per year) (since Nov 2018 at NITH)	Dr. Jai Prakash	ongoing

4) Research Publication: (w.e.f. 1.04.2018 to 31.03.2019)

- 1) Nitesh Kumar, **Raj Kaushal**, Anshn Chaudhary, Saroj Arora, **Pamita Awasthi**, Titanium based mixed ligand complexes: Synthesis, spectroscopic and in-vitro antiproliferative activity, Inorganic and nano Metal Chemistry, 2019, DOI: 10.1080/24701556.1569 690

- 2) **Jai Prakash**, H. C. Swart, G. Zhang, S. Sun, Emerging applications of atomic layer deposition for the rational design of novel nanostructures for surface-enhanced Raman scattering (SERS). *J. Materials Chemistry C* 7 (2019) 1447-1471
- 3) R. A. Harris, **Jai Prakash**, Surface enhanced Raman scattering (SERS) with methyl-orange on Ag-TiO₂ nanocomposites: A computational investigation, *J. Mol. Graphics and Modelling*, 87 (2019) 220-226
- 4) Sharma, V., **Ghosh, K. S.** (2019) Inhibition of amyloid fibrillation by small molecules and nanomaterials: strategic development of pharmaceuticals against amyloidosis, *Prot. Pept. Lett.* 26, 315–323.
- 5) Dolai, B., Bhaumik, A., Pramanik, N., **Ghosh, K. S.**, Atta, A. K., Naphthaldimine-based simple glucose derivative as a highly selective sensor for colorimetric detection of Cu²⁺ ion in aqueous media, *J. Mol. Struct.* 1164, 370-377.
- 6) Structural and theoretical study of 1-[1-oxo-3-phenyl-(2-benzosulfonamide)-propyl amido] anthracene-9,10-dione to be i-motif inhibitor. Manu Vatsal, Vandna Devi, **Pamita Awasthi***, *Journal of Molecular Structure* (Elsevier).1157, 230-238,2018.
- 7) Structural characterization, photoluminescence, computational studies and bioassay of newly synthesized N-(3-oxo-3-morpholino-1-phenyl-propyl) benzo sulfonamide with multifunctional application, **Pamita Aawasthi***, Kirna Devi, *Research on chemical intermediates*, 45, 24..
- 8) Structural and biological study of synthesized anthraquinone series of compounds with sulfonamide feature. **Awasthi P***, Vatsal M and A. Sharma *Journal of Biomolecular structure and dynamics* (Taylor & Francis)37, 4465-4480, 2019.
- 9) Titanium based mixed ligand complexes: Synthesis, spectroscopic and in vitro antiproliferative studies Nitesh Kumara,b, Raj Kaushal, b, Ashun Chaudharyc, Saroj Arorac, and **Pamita Awasthi ba** Department of Chemistry, Govt Degree College Jukhala District Bilaspur, Himachal Pradesh -174033, India; b Department of Chemistry, National Institute of Technology, Hamirpur, Himachal Pradesh -177005, India; c Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar, Punjab India
INORGANIC AND NANOMETAL CHEMISTRY [https:// doi.org/ 10.1080/ 24701556. 2019.1569690](https://doi.org/10.1080/24701556.2019.1569690) Taylor and Francis

Patents filed:

1. Title: Sulfonamide analogues to be anticancer, antibacterial, antifungal, carbonic anhydrase inhibitor. **Pamita Awasthi**, Kirna Devi. Manu Vatsal (Indian Patent application no. - 201711026145). July 2017

5. Doctoral Programme:- 16 Nos. on going

Ph. D Degree Awarded:- 03 Nos.

Doctoral Programme :

Sr. No	Title	Guide	Name of the student	Brief Report
1	“Synthesis, characterization biological and computational study of Anticancer drugs”	Dr. Pamita Awasthi,	Ms. Manu Vatsal	Report Submitted
2	“Synthesis, Characterization and Performance Evaluation of Poly Arylene Ether Ketone”	Dr. Bharti Gaur	Ms. Swati Awasthi	Awarded
3	“Inhibition of oxidative aggregation of crystallin proteins by synthetic and natural compounds”	Dr. K.S. Ghosh	Ms. Priyanka Chauhan	Awarded
4.	“Fibrillation of gamma crystallins and its inhibition by small molecules and chaperones”	Dr. K.S. Ghosh	Ms. Vandna Sharma	Awarded
5	“Synthesis, Characterization, Biological screening and Computational Studies of Sulfonamide analogues”.	Dr. Pamita Awasthi	Ms. Kirna Devi	In Progress
6.	“Titanium-Indole Complexes as Potential Biological Agents”	Dr. Raj Kaushal	Ms. Archana Thakur	In Progress
7.	“Self Healing Thermoset Resin”	Dr. A.S. Singha Dr. Bharti Gaur	Ms. Tamanna Thakur	In Progress
8.	“Synthesis Characterization, computational and biological studies of Juvenile hormone analogues as insect growth regulators”	Dr. Pamita Awasthi	Ms. Vandna Devi	In Progress
9.	“Carbon quantum dots as probes for measuring specific ionic interactions”	Dr. Jaibir Kherb	Ms. Shameema Rana	In Progress

10.	“Proton Exchange Membranes for Fuel cell application”	Dr. Bharti Gaur Dr. A.S. Singha	Ms. Rashi	In Progress
11.	“Posttranslational modifications on crystallins and its inhibition”	Dr. K.S. Ghosh	Shiwani Rana	In Progress
12	“Application of nanomaterials for amyloid inhibition and antibacterial	Dr. K.S. Ghosh	Ms. Anchal Sharma	In Progress
13	“Interactions of nanomaterials with biomacromolecules”	Dr. K.S. Ghosh	Ms. Shivani Sharma	In Progress
14	“Chalcone based vanadium complexes, their antibacterial and antidiabetic studies”	Dr. Raj Kaushal	Ms. Mandeep Kaur	In Progress
15	“Synthesis, Biological Screening and DNA- Interaction studies of 9, 10-anthraquinone class of Compounds as potential anticancer agents.”	Dr. Pamita Awasthi	Anjali Sharma	In Progress
16	“Designing and synthesis of IGR’s”	Dr. Pamita Awasthi	Ms. Neetika Kumari	In Progress
17	“Self healing coatings based on thermo reversible Diel’s Alder reactions”	Dr. Bharti Gaur	Ms. Shalini	In Progress
18	“Polymer Drug Delivery Vehicles.”	Dr. Bharti Gaur	Mr. Avtar Chand	In Progress
19	“Green Synthesis of Silica nanoparticles”	Dr. Jaibir Kherb	Ms. Pratibha Sharma	In Progress

6 Popular Lectures by outside experts:

Sr. No.	Date	Speaker	Topic
1.	Nil		

7 EQUIPMENTS ACQUIRED:

Sr.No.	Name of Equipment	Qty	Name of manufacturer/Supplier	Cost
1.	Hot Air Oven	01	M/s Research Aid Instrument & Services, Prabhu Chhaya Bhawan, Baijnath Road, Palampur (HP)-176102	51,920.00

2.	Rotary Digestor	01	M/S Premier Internation, 11/2341 Atish Basan Street, Saharanpur-247001 (UP) India	3,48,100.00
3.	Air Hot Oven Indolab Make	01	M/S Research Aid Instrument & Services, Prabhu Chhaya Bhawan, Baijnath Road, Palampur (HP)-176061	49,501.00
4.	Polarimeter Manual	02	M/S Deep Distributors, Near Rotary Eye Hospital, Maranda, Palampur (HP)	79,668.00
5	Digital Electronic Balance	01	M/S Deep Distributors, Near Rotary Eye Hospital, Maranda, Palampur (HP)	52,982.00
6	Electrophoresis Unit	01	M/s Research Aid Instrument & Services, Prabhu Chhaya Bhawan, Baijnath Road, Palampur (HP)-176102	78,387.00
7	Compression Moulding Machine (under DST-SSTP Project)	01	M/s S.R. Hydraulics, Kh. No. 189 Kakrola, New Delhi-110078	5,49,880.00
8	Double Door Refrigerator	01	M/s Malhotra Refrigerator Works, Near Heera Nagar Chowk, Anu, Hamirpur (HP)	40,500.00
9	Digital Weighing Balance (under DST/ SR/WOS-A Project)	01	M/s Aimco Solutions LPP, Plot No. 152, Phase-2, Ind. Area, Chandigarh-160002	44,786.00
10	Schelink Line System with Nitrogen Cylinder & Vacum Pump (under DST/ SR/WOS-A Project)	01	M/s Popular Sc. Apparatus W/shop Pvt. Ltd. 3724 Opp. Kali Bari Mandir, Ambala Cntt. -133001 Haryana	1,32, 160.00
11	Gel Electrophoresis Unit (under DST/ SR/WOS-A Project)	01	M/S Research Aid Instrument & Services, Prabhu Chhaya Bhawan, Baijnath Road, Palampur (HP)-176061	78,387.00

8. DETAIL OF THE LABORATORIES:

Sr.No.	Name of the Laboratory
1.	Research & Development Laboratory R&D Lab (PG)
2.	Under Graduate (UG) Laboratory
3.	Instrumentation Laboratory
4	Physical Laboratory
5	Organic Laboratory
6	Inorganick Laboratoy

DEPARTMENT OF MATHEMATICS



1. Academic staff

Head: Prof. Y. D. Sharma

Professor

Faculty

Professor	Associate Professor	Assistant Professor	Temporary Faculty
Dr. Yogeshver Dutt Sharma, Ph.D. Dr. Sunil, Ph.D.	Dr. Ramesh Kumar Ph.D. Dr. Pawan kumar Sharma, Ph.D.	Dr. Suket, Ph.D. Dr. Rajesh Kumar Sharma, Ph.D. Dr. Abhishek Singh, Ph.D. Dr. Talari Ganesh, Ph.D. Dr. Neha Yadav, Ph.D.	Dr. Meenakshi, Ph.D. Ms. Anisha Devi, MSc Ms. Niveda, M.Tech.

2. Research (2018-19)

i. 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/-	Principal Investigator	One J.R.F. Recruited
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. Recruited

ii. Research Publication:

Paper published in National and International Journals/Conferences/Seminars:

1. **Suket Kumar** (2018), Norm Inequalities in Weighted Amalgam, Commentationes Mathematicae Universitatis Carolinae 59 (3), 317- 325. (Publisher: Charles University, Prague).
2. **Suket Kumar** (2018), New Characterization for an Inequality, Mathematica, 60 (83), (2), 177-180. (Publisher: Romanian Academy).
3. A. Yadav, A. Sadollah, **N. Yadav**, J.H. Kim (2019), Self-adaptive global mine blast algorithm for numerical optimization, Neural computing and applications DOI: <https://doi.org/10.1007/s00521-019-04009-y>. (Springer, SCIE Journal with I.F. 4.664)
4. H. Sayyaadi, A. Sadollah, A. Yadav, **N. Yadav** (2018), Stability and iterative convergence of water cycle algorithm for computationally expensive and combinatorial Internet shopping optimisation problems, Journal of Experimental & Theoretical Artificial Intelligence, DOI: [10.1080/0952813X.2018.1549109](https://doi.org/10.1080/0952813X.2018.1549109) (Taylor & Francis, SCIE Journal with I.F. 2.111).
5. **Rajesh Sharma** and Ankita Bisht (2018), Numerical Study of MHD Flow and Heat Transfer of Nanofluid along a Nonlinear Curved Stretching Surface, AIP Conf. Proc.,1975, 030025.

6. **Rajesh Sharma** and Ankit Kumar (2018), Heat transfer in Sisko fluid past an unsteady stretching surface with heat source/sink and viscous dissipation effects, AIP Conf. Proc., 1975, 030026.
7. **Talari Ganesh** and Anithakumari Kattamanchi (2018), Inferential Aspects of Double Truncated Generalized Gaussian distribution, Advances in Intelligent Systems and Computing (Accepted).
8. Anithakumari Kattamanchi and **Talari Ganesh** (2018), Double Truncated Generalized Gaussian distribution Electrical Prospective, Lecture Notes in Electrical Engineering (Accepted).
9. Prachi Agrawal and **Talari Ganesh** (2018), Multi-Choice Stochastic Transportation Problem involving Logistic Distribution, Advances and Applications in Mathematical Sciences.
10. Sachin Kumar, **R.K.Vats**, H.K.Nashine : Existence and uniqueness results for three-point nonlinear fractional (arbitrary order) boundary value problem ; MATEMATICKI VESNIK, 70(4) (2018), 314–325.
11. S.K.Verma, **R.K.Vats**, A.K. Nain and V. Sihag (2018), On A Coupled System Of Fractional Differential Equations With Fractional Boundary Conditions, Advances and Applications in Mathematical Sciences, 18 (1), 59-73.
12. **R.K.Vats**, S.K.Verma, A.K. Nain and V. Sihag (2018), Existence And Uniqueness Of Solutions For Fractional Differential Equations With Three-Point Fractional Integral Boundary Conditions, Advances and Applications in Mathematical Sciences, 18 (1), 181-195.
13. A.K. Nain, **R.K.Vats**, S.K.Verma and V. Sihag (2018), Existence Of Solutions Of A Nonlinear Fractional Differential Equation With Fractional Derivative And Fractional Integral Boundary Conditions, Advances and Applications in Mathematical Sciences, 18 (1), 75-84.
14. S.K. Patel, G. Agrawal, B. Mathew, S. Patel, B. Mohanty and **Abhishek Singh** (2019), Climate change and women in South Asia: a review and future policy implications, published online in early view section in “World Journal of Science, Technology and Sustainable Development”.
15. **Sunil**, Shalu Choudhary and Amit Mahajan (2019), Stability analysis of a couple-stress fluid saturating a porous medium with temperature and pressure dependent viscosity using a thermal non-equilibrium model, Applied Mathematics and Computation (Netherlands), 340(1), 15-30. <https://doi.org/10.1016/j.amc.2018.08.025>.
16. Shalu Choudhary and **Sunil** (2019), Global Stability for Double-Diffusive Convection in A Couple-Stress Fluid Saturating A Porous Medium, Studia Geotechnica Et Mechanica (Poland), 41(1), 13-20 (2019).

17. S. Saini, **Y. D. Sharma** (2018), Numerical study of nanofluid thermo-bioconvection containing gravitactic microorganisms in porous media: Effect of vertical throughflow, *Advanced Powder Technology*, 29 (11), 2725-2732,
18. S. Saini, **Y. D. Sharma** (2018), A Bio-Thermal Convection in Water-Based Nanofluid Containing Gyrotactic Microorganisms: Effect of Vertical Through flow, *Journal of Applied Fluid Mechanics* 11 (4).
19. S. Saini, **Y. D. Sharma** (2018), Thermal convection in a rectangular box saturated by nanofluid with convective boundary condition, *International journal of nanoparticles* 10 (4), 273-283.
20. S. Saini, **Y. D. Sharma** (2019), Linear Instability of Throughflow in a Rectangular Box Saturated by Nanofluid, *Journal of Applied Fluid Mechanics* 12 (2).
21. S. Saini, **Y. D. Sharma** (2019), Double-Diffusive Bioconvection in a Suspension of Gyrotactic Microorganisms Saturated by Nanofluid, *Journal of Applied Fluid Mechanics* 12 (1).
22. S. Saini, **Y. D. Sharma** (2018), Analysis of onset of bio-thermal convection in a fluid containing gravitactic microorganisms by the energy method, *Chinese Journal of Physics* 56 (5), 2031-2038.
23. S. Saini, **Y. D. Sharma** (2018), Numerical study of bioconvection saturated with nanofluid containing gyrotactic microorganisms confined within Hele-Shaw cell, *Instrumentation, Measure, Metrologie* 17 (4), 573.

Publication in Conference Proceedings/ Book Series.

1. Hitkul, K. Aggarwal, **N. Yadav**, M. Dwivedy (2019) A Comparative Study of Machine Learning Algorithms for Prior Prediction of UFC Fights, In: Yadav N., Yadav A., Bansal J., Deep K., Kim J.(eds) *Harmony Search and Nature Inspired Optimization Algorithms. Advances in Intelligent Systems and Computing*, vol 741. Springer, Singapore.

iii. Editorial Work:

1. **N. Yadav**, A. Yadav, J. C. Bansal, K. Deep, J. H. Kim, Harmony search and nature inspired optimization algorithms, *Theory and Applications ICHSA 2018, Advances in Intelligent system and Computing*, Volume 741, (2019), 1-1235, Springer (SCOPUS Indexed)
2. Guest Editor, *Recent Advances in Soft Computing and Its Applications*, Special issue by *Journal of Experimental and Theoretical Artificial Intelligence*, Taylor & Francis.
3. Editor-Proceedings of The International Conference on Frontiers in Industrial and Applied Mathematics (FIAM-2018) published in American Institute of Physics (AIP) conference proceedings, Volume 1975 on June 13, 2018.

3 National/International Conference Organized:

1. Organized International Conference on Frontiers in Industrial and Applied Mathematics (FIAM-2018) at NIT Hamirpur during April 26-27, 2018

4 Summer/Winter/FDP Organized:

1. Workshop on Applications of MATLAB in Engineering and Science (WAMES-2018) organized at Department of Mathematics, NIT Hamirpur during 6-11 December, 2018
2. Workshop on Applications of LaTeX (LaTeX-2018), 12-17, October, organized at Department of Mathematics

5 National/International Conferences Attended:

1. K. Anithakumari and **Talari Ganesh** [2018], "Doubly Truncated Generalized Gaussian Distribution in electrical perspective", International Conference on Manufacturing Advanced Computing, Renewable Energy and Communication during 19-20 July, 2018 organized by Dept. of EEE, HMR Institute Of Technology and Management, New Delhi.
2. Prachi Agrawal and **Talari Ganesh** [2018], "Selection of Indian Cricket Team for World Cup 2019 using Integer Optimization" presented at International Conference on Theory and Applications of Statistics and Information Sciences (TASIS 2018) in conjunction with XXXVII Annual Convention of Indian Society for Probability and Statistics (ISPS) and in association with Indian Bayesian Society (IBS) organized by Department of Statistics, Bharathiar University, Coimbatore, Tamil Nadu during 5-7, January 2018.

6 Workshop attended

1. **Dr. Ramesh Kumar Vats** attended, International workshop on Fixed Point Theory and Its Applications, 15-17, March 2019.

7. Invited Lecture/Speaker/Expert

1. **Dr. Rajesh Sharma**, Invited speaker in TEQIP-III sponsored national workshop on "Development of Soft Skills (MATLAB, LATEX & MATHEMATICA)", March 25-26, 2019 at Rajkiya Engineering College Ambedkar Nagar (U.P.)
2. **Dr. Rajesh Sharma**, External expert in Board of Studies of Mathematics Department in Indus International University, Una, HP
3. **Dr. T. Ganesh**, Invited lecture on "Time Series Analysis using R - A case study" in workshop on Multidimensional Data analytics using R on the eve of 12th National Statistics Day organized by Department of Statistics, Sri Venkateswara University, Tirupati during 29 June to 1st July 2018.
4. **Dr. Neha Yadav**, At TEQIP funded Faculty development programme on "Recent developments in Soft computing techniques for Engineering Applications" organized by Govt. Engineering College, Jhalawar during May 14-18, 2018.

8. Doctoral Programme: 15 on going: (2018-19)

Sr. No.	Name of the registered Ph.D. student	Registration No.	Topic of his/her research	Name of his/her supervisor/ co-supervisor	Brief Report
1.	Sachin Kumar	2K15-Phd-MATHS-287	Solution of fractional differential equations by using concepts of fixed point theory	Dr. R. K. Vats	In-Progress
2.	Ankit Kumar Nain	2K17-PhD-MATHS-349	Existence of solution for fractional boundary value problem	Dr. R. K. Vats	In-Progress
3.	Prachi Agrawal	2K17-PhD-MATHS-375	Operation Research, Stochastic Transportation Problem, Evolutionary Algorithm	Dr. Talari Ganesh	In-Progress
4.	Ankit Bajpai	2K17-PhD-MATHS-376	Wave Propagation in Thermoelasticity	Dr. P. K. Sharma	In-Progress
5.	Ankita Bisht	2K17-PhD-MATHS-374	Numerical Investigation of Flow and Heat Transfer in Complex Nanofluids	Dr. Rajesh Sharma	In-Progress
6.	Mohammad Shad	2K18-PhD-Math-413	Some problems on spatial and temporal statistics	Dr. Abhishek Singh	In-Progress
7.	Geetanjali	2K18-PhD-MATHS-412	Wave Propagation in Thermoelasticity	Dr. P. K. Sharma	In-Progress
8.	Ankit Kumar	2K17-PhD-MATHS-344	Fractional differential equation and integral equation	Dr. R. K. Vats	In-Progress
9.	Kanika	2K18-PhD-	Boundary Value	Dr. R. K. Vats	In-Progress

		MATHS-411	problem for fractional order		
10	Atul Kumar Khushwaha	2K18-PhD- MATHS-414	Bio-Convection	Dr. Y. D. Sharma	In-Progress
11	Harender Kumar	-	-	Dr. Neha Yadav	In-Progress
12	Bhupendra Kumar	-	-	Dr. Abhishek Singh	In-Progress
13	Arpan Garg	-	-	Dr. Talari Ganesh	In-Progress
14	Sanjalee	-	-	Dr. Rajesh Kumar Sharma	In-Progress
15	Parveen Kumar	-	-	Dr. R. K. Vats	In-Progress

9 DETAIL OF THE LABORATORIES

Mathematical Computational Lab

DEPARTMENT OF CHEMICAL ENGINEERING



1 ACADEMIC STAFF

Head: Dr. Anoop Kumar

Faculties:

Professor	Associate Professor	Assistant Professor	Guest faculty
-----	--	Dr. Radhe Shyam Dr. Tapas Palai Dr. Alok Garg, Dr. Subhajit Majumder, Dr. Leela Manohar Dr. Arvind Kumar Gautam Dr. Tara Chand Kumawat	Dr. Suman Saha Dr. Ratna Sandeep Katiyar

Technical Staff:

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

Ministerial Staff:

1. Mr. Joginder Singh, Assistant SG-II
2. Mr. Ashok Kumar, Attendant

2. DISTINCTION ACHIEVED:

- a) **Dr. Arvind Kumar Gautam, Assistant Professor Grade-II** has received the best post ward for presenting the research work entitled “The Study of liquid –liquid interfacial free energy(yII) of germanium by cleaving wall method in COMPFLU-2018 Conference held during December 06-09, 2018 at IIT Roorkee, India.

Anti Terrorism Day:

Anti-Terrorism Day pledge was taken by the Faculty and staff of Chemical Engineering Department on 21.05.2018 at 11.30 AM in the Department.

Vigilance Awareness Week-2018.

Vigilance Awareness Pledge was taken by the Faculty and staff of Chemical Engineering Department on 29.10.2018 at 11.00 AM.

Rashtriya Ekta Diwas:

Rashtriya Ekta Diwas Pledge was taken by the Faculty, Staff and Students of Chemical Engineering Department on 31.10.2018 at 11.00 AM.

a) Research Publication

i. Papers published by Faculties:

S.No.	Name of Faculty	Title of the paper	Name of Journal/Conference in which paper published
1.	Dr. Tapas Palai	Bio conjugates from smart polymers and beta-galactosidase: Synthesis, characteristics and application in producing galacio-oligosaccharides from lactose,	Journal of the Indian Chemical Society 95(8), 917-924(2018)
2.	Dr. Tapas palai	Removal of Chromium Ion from Synthetic Wastewater by Activated charcoal and Coconut Husk as Adsorbents	Oral Presentation in CHEMCON-2018, December, 27-30, 2018 at NIT, Jalandhar, India

3.	Dr. Tapas Palai	Microbial Remediation of Chromium-Contaminated Wastewater: Recent Advances and Future Prospects	Poster presentation in CHEMCON-2018, December 27-30, 2018 at NIT, Jalandar, India
4.	Arvind Kumar Gautam	A Computational study of liquid-solid interfacial free energy (γ) for SW-Ge potential model”,	Physica A: Statistical Mechanics and its Applications, 506,(2018), 128-134
5.	Arvind Kumar Gautam	The Computation of liquid-liquid coexistence temperature for tetrahedral liquids	International Journal of Research in Science & Engineering, CHEMCON special Issue: March 2018, 81-84
6.	Arvind Kumar Gautam	The liquid-amorphous phase transition study on silicon and water super cooled region	International Journal of Scientific & Engineering Research, 9, (2018), 466-471
7.	Arvind Kumar Gautam	A Thermodynamic study of super cooled Stillinger Weber silicon at 0.75 GPa	International Journal Mol. Phy. B.,32, (2018) 185-0330-1-1850330-13

- ii. **Papers accepted for publication:** Nil
- iii. **Patent:** Nil
- iv. **Doctoral Programme:** Nil
- v. **Master thesis completed: Dr. Tapas Palai:** Jyoti Singh, Removal of Arsenic from Contaminated Water: A Comparison between Adsorption and Microbial Techniques, August, 2018
- vi. **Ph.D Degree awarded:** Nil
- vii. **Popular Lectures by outside experts:**
- viii. **Expert Lecturer delivered by faculty:**

Dr. Arvind Kumar Gautam has delivered expert Lecture on **Recent Trends in Process Intensification in Chemical and Allied Industries”** during October 27-31, 2018 at BIET, Jhansi, India.

7. EQUIPMENT ACQUIRED:

Sr.No.	Name of Equipment	Qty	Name of manufacturer/Supplier	Cost in Rs.

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

Department is running M. Tech. in Chemical Technology.

DEPARTMENT OF MATERIAL SCIENCE & ENGINEERING



1. ACADEMIC STAFF

HEAD : Dr. Vishal Singh

FACULTIES

Professor	Associate Professor	Assistant Professor	
Dr. Ravi Kumar	Dr. Vishal Singh	Dr. Vikram Verma	Dr. Rita Maurya

2. DISTINCTION ACHIEVED

(a) By student: -

(c) 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

(b) Research Scheme:

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

(c) Research Publication:-

PAPER PUBLISHED IN JOURNALS/CONFERENCES ETC. BY FACULTIES in 2018- 2019:-

1. "Effect of rare earth ions on structural and optical properties of specific perovskite orthochromates: RCrO_3 (R= La, Nd, Eu, Gd, Dy and Y)". Kapil Dev Singh, Rabia Pandit, and Ravi Kumar, Solid State Sciences 85 (2018) 70-75. (Impact Factor: 1.861)
2. "Preparation and structural, optical studies of Al substituted chromium oxide (Cr_2O_3) nanoparticles". Jarnail Singh, Vikram Verma and Ravi Kumar, Vacuum 159 (2019) 282-286. (Impact Factor: 2.067)
3. "Investigation of room temperature Mossbauer spectroscopy and initial magnetic susceptibility properties in Al^{3+} substituted cobalt ferrites". Rabia Pandit, Pawan Preet Kaur, K.K. Sharm, Mohamd Hashim and Ravi Kumar, Spin 8 (2018) 184005. (Impact Factor: 1.040)
4. "Structural, elastic and magnetic properties of spinel Co_3O_4 ". P L Meena, Ravi Kumar and K Sreenivas, Indian Journal of Pure & Applied Physics 56 (2018) 890-895. (Impact Factor: 0.582)
5. "Influence of Rare Earth ion doping (Ce and Dy) on electrical and magnetic 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. (Impact Factor: 3.046)
6. "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. (Impact Factor: 2.207)

7. "Enhanced photoluminescence response of $\text{Ca}^{2+}/\text{Ba}^{2+}$ substituted solid solutions of $\text{SrS}:\text{Ce}$ phosphors". Ankush Vij, Shalendra Kumar, S.O. Won, K.H. Chae, Abhinav Dubey and Ravi Kumar, Materials Letters 227 (2018) 169–171. (Impact Factor: 2.687)
8. "Investigation of thermoluminescence and kinetic parameters of gamma ray exposed $\text{LiF}:\text{Sm}^{3+}, \text{Eu}^{3+}$ nanophosphors for dosimetric applications". Arun Kumara, Arvind Kumar, Rakesh Dogra, Mohit Manhas, Sandeep Sharma and Ravi Kumar, Ceramics International 44 (2018) 15535–15541. (Impact Factor: 3.057)
9. "Effect of structural and thermal disorder on optical band gap of Cr_2O_3 nanoparticles." Jarnail Singh, Vikram Verma, Rajesh Kumar, Sandeep Sharma and Ravi Kumar, Mater. Res. Express 6 (2019) 085039. (Impact Factor: 1.45)
10. "Influence of Mg^{2+} -substitution on the optical band gap energy of $\text{Cr}_{2-x}\text{Mg}_x\text{O}_3$ nanoparticles". Jarnail Singh, Vikram Verma, Rajesh Kumar and Ravi Kumar, Results in Physics 13 (2019) 102106. (Impact Factor: 2.147).
11. "Structural, optical and electrical characterization of epitaxial Cr_2O_3 thin film deposited by PLD." Jarnail Singh, Vikram Verma, Rajesh Kumar and Ravi Kumar, Mater. Res. Express 6 (2019) . (Impact Factor: 1.45)

(c) Conferences attended during 2018-19.

- iii) PAPER ACCEPTED FOR PUBLICATION: -nil-
- iv) PATENT: -nil-
- (c) Doctoral Programme: 07 Nos. Ongoing
- (d) Ph.D Degree awarded: 04

(e) Master thesis completed: 11 (Thesis to be submitted very shortly during June/July, 2019).

Sr. No.	Title	Name of Student	Guide allotted
1	Synthesis and characterization of Nd-BaTiO ₃ / Polyaniline Polymer Composite	Utkarsh Upadhyay, (17M601)	Dr. Vishal Singh
2	A Study on Machinability of Cryo-treated D3 Tool Steel Using Response Surface Methodology	Gagan Saraswat, (17M602)	Dr. Vishal Singh

3	Study of Mechanical and Tribological Behavior of Nanoclay/PMMA Composite Prepared By Twin Screw Extruder	Aneesh Paul (17M603)	Dr. Vishal Singh
4	Defect Induced Optical & Photoluminescence Properties of Cu Doped Zinc Oxide	Shivam Shukla (17M604)	Prof. Ravi Kumar
5	Synthesis of Pure MgO Nanocomposites for Visible Light Emission	Sat Paul (17M605)	Dr. Vikram Verma
6	Synthesis and characterization of ZINC Doped Magnesium Oxide Nanoparticles	Pratigya Prabhakar (17M606)	Dr. Vikram Verma
7	Synthesis of ZINC Oxide Nanoparticles and Study the Effect of Manganese substitution of ZINC Oxide Structural and Optical Properties	Ravi Kumar Yadav (17M607)	Prof. Ravi Kumar
8	Synthesis and characterization of Cadmium Doped ZINC Oxide Nanoparticles	Mohd. Furkan Ansari (17M608)	Dr. Vikram Verma
9	A Study on Machinability of Cryo-treated Ti-6Al-4V Alloy using Taguchi Technique	Nissamol Sunny (17M609)	Dr. Vishal Singh
10	Effect of Chromium(Cr) Doping On Structural and Optical Properties of Zinc Oxide (ZNO) Nano Crystals Synthesized By Chemical Precipitation Method	Anuj Kumar Singh (17M610)	Prof. Ravi Kumar
11	Synthesis & characterization of RGO/PMMA Nanocomposites	Anupama Kashyap (17M611)	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	Dr. Vishal Singh	Mr. Ashish	Ongoing

	Characterization of LDPE, HDPE with fillers graphite GE, CNT and study the electrical and mechanical properties			
3	Structural , Electrical and Magnetic Studies of Transition Metal substituted RCrO ₃	Dr. Ravi Kumar	Mr. Kapil Dev Singh	Ongoing
4.	Hard coatings	Dr. Vikram Verma	Sh. Amarjeet Singh	ongoing
5.		Dr. Ravi Kumar	Sh. Ravinder Kumar	Ongoing
6.		Dr. Vishal Singh	Sh. Lovepreet Singh	Ongoing
7.		Dr. Vikram Verma	Sh. Pankaj Bhardwaj	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.	Laboratory Centrifuge	M/S Deep Distributer Palampur	60,080/-
2.	Belt Polisher	M/S Micro measure & Instruments Ambala Cantt	33,630/-
3.	Jominey End Quench	M/S Micro measure & Instruments	30,680/-

		Ambala Cantt	
4.	Hot Mounting Press	M/S Micro measure & Instruments Ambala Cantt	41,890/-
5.	Metallurgical Inverted Microscope	M/S Micro measure & Instruments Ambala Cantt	75,520/-
6.	Portable Hardness Tester	M/S Micro measure & Instruments Ambala Cantt	62,540/-
7.	Double Disk Polishing Machine	M/S Micro measure & Instruments Ambala Cantt	34,810/-
8.	Abrasive Cutter	M/S Micro measure & Instruments Ambala Cantt	33,630/-

1. TECHNICAL ASSOCIATION / SOCIETIES:**-Nil-****2. 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.	SpectroscopyLab
7.	Nono Tech. Lab
8.	Materials Science & Research Lab
9.	Physical Metallurgy Lab

CENTRE FOR ENERGY AND ENVIRONMENTAL ENGINEERING



1. ACADEMIC STAFF

HEAD: Dr. N. S. Thakur, Professor

FACULTIES:

Professor	Associate Professor	Assistant Professor	Lecturer Professor (on contract)
Dr. N.S. Thakur	Dr. S. S. Katoch	Dr. Mamta Awasthi	Dr. Sunanda Sinha (on contract)
			Dr. Yashasvi Thakur (on contract)
			Dr. Vishal Bhalla (On Contract)

1. DISTINCTION ACHIEVED:

By Student: 46

(2018-2019)	M.Tech (Energy Technology)	M.Tech (Environmental Engineering)
1 st Year	10	12
2 nd Year	10	14

By Faculty Member: 06

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: Nil
- ii) PATENT : Nil

(c) Doctoral Programme: 05

(d) Ph.D. Degree awarded: Nil

(e) Master Thesis Completed: Nil

(f) DOCTORAL PROGRAMME:

Sr. No.	Title	Guide	Name of Student	Brief Report
1.				

(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:

S.N.	Name of Laboratory
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 31.03.2019

3.2.1. ADMINISTRATIVE STAFF

Sr. No.	Title	First Name	Last Name	Designation	Employee Code
1	Dr.	Sushil	Chauhan	Registrar	S0030
2	Sh.	Pardeep Kumar	Soni	Deputy Registrar (Admin)	S0339
3	Sh.	Sanjay	Jamwal	Assistant Registrar(Academic)	S0151
4	Sh.	Gaurav	Sharma	Assistant Registrar(Admn)	S0344
5	Dr.	Mani	Verma	Medical Officer	S0293
6	Sh.	Jagdish Chand	Verma	Scientific Officer (Grade-II)	S0243
7	Sh.	Anil	Kumar	Scientific Officer (Grade-II)	S0057
8	Sh.	Ashwani	Kumar	Scientific Officer (Grade-II)	S0059
9	Sh.	Nitin	Paliwal	Assistant Librarian	S0343
10	Sh.	Vimlesh	Patel	Assistant Librarian	S0359
11	Sh.	Gaurav	Yadav	Assistant Registrar	
12	Sh.	Vipan	Kumar	Assistant Registrar	
13	Sh.	Kumar Satish	Kumar	Assistant Registrar	
14	Sh.	Vinod	Doalani	Deputy Registrar	
15	Sh.	Satish Chander	Sharma	Deputy Registrar	

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)	S0172
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.	Om Parkash	Sharma	Senior Technical Assistant	S0105
11	Sh.	Jaspal	Singh	Senior Technical Assistant	S0106
12	Sh.	Balbir	Singh	Senior Technical Assistant	S0077
13	Sh.	Rajpal	Minhas	Senior Technical Assistant	S0092
14	Sh.	Avinash	Aggarwal	Senior Technical Assistant	S0269
15	Sh.	Santosh	Kumar	Senior Technical Assistant	S0275
16	Sh.	Inder Singh	Guleria	Technical Assistant	S0104
17	Sh.	Partap	Chand	Technical Assistant	S0113
18	Sh.	Dhian	Singh	Technical Assistant	S0066
19	Sh.	Bikram	Singh	Technical Assistant	S0084
20	Sh.	Ravinder	Kumar	Technical Assistant	S0107
21	Sh.	Sanjeev Kumar	Thakur	Technical Assistant	S0058
22	Sh.	Dev	Raj	Technical Assistant	S0114
23	Sh.	Dinesh	Kumar	Technical Assistant	S0067

24	Sh.	Joginder	Singh	Technical Assistant	S0093
25	Sh.	Krishan	Dass	Technical Assistant	S0109
26	Sh.	Kuldeep	Kumar	Technician SG-I	S0171
27	Sh.	Desh	Raj	Technician SG-II	
28	Sh.	Kalyan	Singh	Technician SG-II	
29	Sh.	Ashwani	Kumar	Technician SG-II	
30	Smt.	Reeta	Singh	Senior Technician	S0268
31	Sh.	Ajay	Kumar	Senior Technician	S0101
32	Sh.	Sukh Dev	Singh	Senior Technician	S0102
33	Sh.	Parkash	Singh	Senior Technician	S0079
34	Sh.	Rakesh	Kumar	Senior Technician	S0115
35	Sh.	Suresh	Kumar	Senior Technician	S0069
36	Sh.	Shiv	Dayal	Senior Technician	S0070
37	Sh.	Jiwan	Kumar	Senior Technician	S0061
38	Sh.	Rakesh	Sharma	Senior Technician	S0060
39	Sh.	Gajinder	Singh	Senior Technician	
40	Sh.	Surinder	Singh	Senior Technician	S0086
41	Sh.	Sunil	Kumar	Senior Technician	S0111
42	Sh.	Santosh Kumar	Yadav	Senior Technician	S0266
43	Sh.	Chet	Ram	Technician	S0095
44	Sh.	Roop	Lal	Technician	S0087
45	Sh.	Surinder	Kumar	Technician	S0116
46	Sh.	Vijay	Kumar	Technician	S0267
47	Sh.	Kishore	Chand	Sr. Technician	S0265
48	Sh.	Naresh	Kumar	Technician	S0264
49	Sh.	Mahesh	Chand	Work Assistant (Driver)	S0173
50	Sh.	Yaswant	Singh	Work Assistant (Driver)	S0174
51	Sh.	Surender	Pal	Work Assistant (Driver)	S0316
52	Sh.	Sanjeev	Kumar	Work Assistant (Driver)	S0317
53	Sh.	Shameem	Ahmed	Work Assistant (Driver)	S0319
54	Sh.	Pawan	Kumar	Work Assistant (Driver)	S0326
55	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.	Tilak Raj	Kapoor	Sr. Superintendent	S0128
4	Sh.	Pritam Chand	Rangra	Sr. Superintendent	S0129
5	Sh.	Dev	Kumari	Sr. Superintendent	S0134
6	Sh.	Amar Nath	Nath	Superintendent	S0133
7	Sh.	Satpal	Sharma	Superintendent	S0132
8	Sh.	Rattan Chand	Verma	Superintendent	S0131
10	Sh.	Parkash Chand	Bhardwaj	Superintendent	S0139
11	Sh.	Raman	Kumar	Superintendent	S0272
12	Sh.	Parvesh	Kumar	Sr. Secretary	S0282
13	Sh.	Desh Raj	Bansal	Secretary	S0099
14	Sh.	Dev	Raj	Secretary	S0071

15	Sh.	Gulab Singh	Thakur	Stenographer (SG- I)	S0117
16	Sh.	Pushpa	Devi	Sr. Stenographer	S0164
17	Sh.	Ram	Kumar	Sr. Stenographer	S0080
18	Smt.	Sangeeta	Kumari	Stenographer	S0150
19	Sh.	Vinod	Kumar	Stenographer	S0149
20	Smt.	Raj Kumar	Sharma	Superintendent	S0136
21	Sh.	Sanjeev	Mehta	Asst. SG I	S0097
22	Sh.	Pardeep	Kumar	Asst. SG I	S0137
23	Sh.	Kishore	Kumar	Asst. SG I	S0138
24	Sh.	Joginder	Singh	Asst. SG I	S0141
25	Sh.	Rameshwar	Attri	Asst. SG I	S0140
26	Sh.	Pritam	Chand	Asst. SG I	S0143
27	Sh.	Yashpal	Singh	Asst. SG I	S0142
28	Sh.	Dharam	Singh	Asst. SG I	S0144
29	Sh.	Pawan Kumar	Sharma	Asst. SG I	S0145
30	Sh.	Jitender	Kumar	Asst. SG I	S0146
31	Sh.	Surinder	Singh	Asst. SG I	S0072
32	Sh.	Surindera	Verma	Asst. SG I	S0147
33	Smt.	Vinod	Kumar	Asst. SG I	S0153
34	Smt.	SukhDev	Singh	Sr. Assistant	S0286
35	Sh.	Raman	Thakur	Sr. Assistant	S0158
36	Sh.	Meera	Thakur	Sr. Assistant	S0155
37	Sh.	Meena	Devi	Jr. Assistant	S0162
38	Smt.	Madan	Lal	Sr. Assistant	S0152
39	Smt.	Rajbala	Jassi	Sr. Assistant	S0062
40	Sh.	Raj	Kumar	Sr. Assistant	S0160
41	Smt.	Nazima	--	Sr. Assistant	S0159
42	Smt.	Rajeev	Kumar	Sr. Assistant	S0273
43	Sh.	Sohan	Singh	Jr. Assistant	S0081
44	Sh.	Roshan	Lal	Jr. Assistant	S0156
45	Sh.	Ajit	Kumar	Jr. Assistant	S0157
46	Sh.	Vikas	Dogra	Sr. Assistant	S0311
47	Sh.	Ashwani	Kumar	Sr. Assistant	S0314
48	Sh.	Vishal	Narota	Jr. Assistant	S0313
49	Sh.	Vipan	Kumar-I	Jr. Assistant	S0312
50	Sh.	Vipan	Kumar-II	Jr. Assistant	S0315
51	Sh.	Shashi Kant	Ratnakar	Jr. Assistant	S0320
52	Sh.	V.K.	Tippan	Jr. Assistant	S0321
53	Sh.	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.	Om	Prakash	Attendant	S0181
6	Mr.	Sunil	Kumar	Attendant	S0180
7	Smt.	Sulesho	Devi	Attendant	S0083
8	Mr.	Hari	Singh	Attendant	S0219
9	Mr.	Bhupinder	Singh	Attendant	S0210
10	Mr.	Surinder	Kumar	Attendant	S0280
11	Mr.	Shakti	Chand	Attendant	S0187
12	Mr.	Yoginder	Singh	Attendant	S0187
13	Smt.	Manorma	Chopra	Attendant	S0098
14	Mr.	Hem	Raj	Attendant	S0197
15	Mr.	Kashmir	Singh	Attendant	S0196
16	Mr.	Kehar	Singh	Attendant	S0194
17	Mr.	Ravinder	Kumar	Attendant	S0207
18	Mr.	Vijay	Kumar	Attendant	S0202
19	Mr.	Balwant	Chand	Attendant	S0064
20	Mr.	Rajinder	Singh	Attendant	S0213
21	Mr.	Tilak	Raj	Attendant	S0075
22	Mr.	Manohar	Lal	Attendant	S0188
23	Mr.	Banka	Ram	Attendant	S0074
24	Mr.	Suresh	Kumar	Attendant	S0192
25	Mr.	Ashok	Kumar-I	Attendant	S0195
26	Mr.	Ravi	Das	Attendant	S0190
27	Mr.	Ashok	Kumar-II	Attendant	S0191
28	Mr.	Lekh	Raj	Attendant	
29	Mr.	Joginder	Singh	Attendant	S0119
30	Mr.	Partap	Chand	Attendant	S0189
31	Mr.	Devinder	Kumar	Attendant	S0214
32	Mr.	Suresh	Kumar	Attendant	S0186
33	Mr.	Ramesh	Chand-I	Attendant	S0205
34	Mr.	Manmohan	Lal	Attendant	S0089
35	Mr.	Jiwan	Parkash	Attendant	S0206
36	Mr.	Ramesh	Chand-II	Attendant	S0201
37	Mr.	Subhash	Chand	Attendant	S0222
38	Mr.	Chain	Singh	Attendant	S0203
39	Mr.	Jai	Chand	Attendant	S0208
40	Mr.	Vinod	Kumar	Attendant	S0221
41	Mr.	Subhash	Chand	Attendant	S0183
42	Mr.	Anil	Kumar	Attendant	S0262
43	Smt.	Salochna	--	Attendant	S0263
44	Mr.	Jiya	Lal	Attendant	S0274
45	Mr.	Neeraj	Kumar	Attendant	S0271

46	Mr.	Roshan	Lal	Attendant (Works)	
47	Mr.	Vidya	Sagar	Attendant (Works)	
48	Mr.	Parkash	Chand	Attendant (Works)	
49	Mr.	Rajinder	Singh	Attendant (Works)	
50	Mr.	Rakesh	Kumar	Attendant (Works)	
51	Mr.	Prem	Lal	Attendant (Works)	
52	Mr.	Om	Parkash	Attendant (Library)	S0276
53	Mr.	Sunil	Kumar	Attendant (Library)	S0277
54	Mr.	Subhash	Chand	Attendant (Library)	S0279
55	Mr.	Mukesh	Kumar	Attendant (Library)	S0278
57	Mr.	Basant	Singh	Attendant	

4.0 Teaching Programmes:

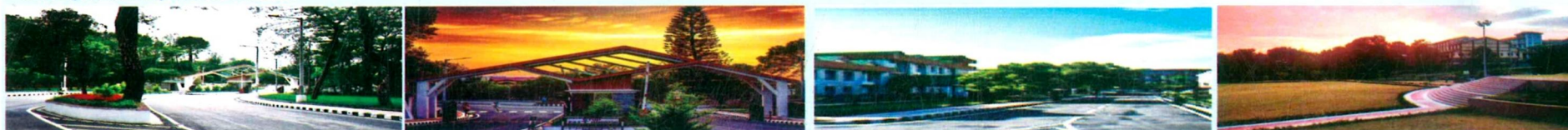
4.1 Courses Offered:

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

ACADEMIC CALENDAR FOR THE ODD SEMESTER 2018-19 NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR						
July 2018	August 2018	September 2018	October 2018	November 2018	December 2018	
Su 1	W 1	Sa 1	M 1	Th 1	Sa 1	End Semester Examinations (Cont.)
M 2	Th 2	Su 2	Tu 2	F 2	Su 2	
Tu 3	F 3	M 3	W 3	Sa 3	M 3	
W 4	Sa 4	Tu 4	Th 4	Su 4	Tu 4	
Th 5	Su 5	W 5	F 5	M 5	W 5	
F 6	M 6	Th 6	Sa 6	Tu 6	Th 6	End Sem. Evaluation of B.Tech/B.Arch/Dual Deg./ M.Tech/M.Arch/M.Sc /MBA Project/ Dissertation
Sa 7	Tu 7	F 7	Su 7	W 7	F 7	
Su 8	W 8	Sa 8	M 8	Th 8	Sa 8	
M 9	Th 9	Su 9	Tu 9	F 9	Su 9	
Tu 10	F 10	M 10	W 10	Sa 10	M 10	
W 11	Sa 11	Tu 11	Th 11	Su 11	Tu 11	<ul style="list-style-type: none"> Registration Date and Orientation for First year UG/ PG Courses will be based On CSAB/ CCMT-2018 Schedule. End Semester PhD Seminar (Deptt. wise slots to be notified by Academic Section in Nov., 2018) Last Date for Grade Submission - 18/12/2018 Winter Break for Students 14-12-2018 to 03-01-2019. Winter Break for Faculty 19-12-2018 to 02-01-2019. Result Declaration - 30/12/2018 Convocation in the Month of October, 2018
Th 12	Su 12	W 12	F 12	M 12	W 12	
F 13	M 13	Th 13	Sa 13	Tu 13	Th 13	
Sa 14	Tu 14	F 14	Su 14	W 14		
Su 15	W 15	Sa 15	M 15	Th 15		
M 16	Th 16	Su 16	Tu 16	F 16		End Semester Examinations
Tu 17	F 17	M 17	W 17	Sa 17		
W 18	Sa 18	Tu 18	Th 18	Su 18		
Th 19	Su 19	W 19	F 19	M 19		
F 20	M 20	Th 20	Sa 20	Tu 20		
Sa 21	Tu 21	F 21	Su 21	W 21		End Semester Examinations
Su 22	W 22	Sa 22	M 22	Th 22		
M 23	Th 23	Su 23	Tu 23	F 23		
Tu 24	F 24	M 24	W 24	Sa 24		
W 25	Sa 25	Tu 25	Th 25	Su 25		
Th 26	Su 26	W 26	F 26	M 26		End Semester Examinations
F 27	M 27	Th 27	Sa 27	Tu 27		
Sa 28	Tu 28	F 28	Su 28	W 28		
Su 29	W 29	Sa 29	M 29	Th 29		
M 30	Th 30	Su 30	Tu 30	F 30		
Tu 31	F 31		W 31			

* Including Sessional Improvement Candidates



ACADEMIC CALENDAR FOR THE EVEN SEMESTER 2018-19																	
NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR																	
January 2019			February 2019			March 2019			April 2019			May 2019					
Tu	1		F	1		F	1	Mid Semester Theory Examinations (Cont.)	M	1		W	1	End Semester Theory Examinations (Cont.)			
W	2		Sa	2		Sa	2		Tu	2		Th	2				
Th	3	Reporting date for Faculty	Su	3		Su	3		W	3		F	3				
F	4	Registration for UG Courses	M	4		M	4		Th	4		Sa	4				
Sa	5		Tu	5		Tu	5		F	5		Su	5				
Su	6		W	6		W	6	Mid Semester Evaluation of B.Tech /B. Arch / M.Tech/M. Arch/ M.Sc / MBA Project/ Dissertation	Sa	6		M	6				
M	7	Registration for PG/ PhD (All Semesters)	Th	7		Th	7		Su	7		Tu	7				
Tu	8	Commencement of Teaching Work	F	8		F	8		M	8		W	8				
W	9		Sa	9		Sa	9		Tu	9		Th	9				
Th	10		Su	10		Su	10		W	10		F	10				
F	11		M	11		M	11		Th	11		Sa	11				
Sa	12		Tu	12		Tu	12		F	12		Su	12	General Proficiency Viva For Final Year UG Students			
Su	13		W	13		W	13		Sa	13		M	13				
M	14	Last Date for Registration*	Th	14		Th	14		Su	14		Tu	14				
Tu	15		F	15		F	15		M	15		W	15	End Semester Project Evaluation of B.Tech/ B. Arch /Dual degree			
W	16		Sa	16		Sa	16		Tu	16		Th	16				
Th	17		Su	17		Su	17		W	17	End of Classes	F	17				
F	18		M	18		M	18	Annual Sports Meet	Th	18		Sa	18				
Sa	19		Tu	19		Tu	19		F	19	अलविदा (Farewell Day)	Su	19				
Su	20		W	20		W	20		Sa	20		M	20				
M	21		Th	21		Th	21	Holi	Su	21		<ul style="list-style-type: none">● "SRIJAN" Photo shoot- First week of February, 2019● End Semester PhD Seminar (Dept. wise slots to be notified by Academic Section in April, 2019)● Last Date for Grade Submission - 23/05/2019● Summer classes - 27/05/2019 to 28/06/2019● Supplementary Examination 01/07/2019 to 23/07/2019● Summer Break for Students 18/05/2019 to 22/07/2019.● Summer Break for Faculty 24/05/2019 to 21/07/2019.● Result Declaration - 06/06/2019					
Tu	22		F	22		F	22		M	22							
W	23		Sa	23		Sa	23		Tu	23							
Th	24		Su	24		Su	24		W	24	End Semester Practical Examinations						
F	25		M	25		M	25		Th	25							
Sa	26	Republic Day	Tu	26	Mid Semester Theory Examinations	Tu	26		F	26							
Su	27		W	27		W	27		Sa	27							
M	28		Th	28		Th	28		Su	28							
Tu	29					F	29	Technical Festival NIMBUS	M	29	End Semester Theory Examinations						
W	30					Sa	30		Tu	30							
Th	31					Su	31										

* Including Sessional Improvement Candidates

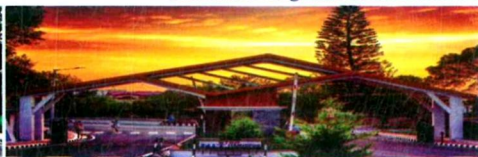
* Last date of Registration for Summer class- 10/06/2019

* M.Tech/M. Arch./Dual Degree Dissertation submission on or after 17/05/2019

* Including Sessional Improvement Candidates

* Last date of Registration for Summer class- 10/06/2019

* M.Tech /M. Arch./Dual Degree Dissertation submission on or after 17/05/2019



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 3rd 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. CetpaInfotechPvt. 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 und 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 DevCtr 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	1

	Gurgaon - 122011	
7.	M/s. DeepLeer 11 th Main BTM 1 Stage Bangalore, India Pin Code - 560009	1
8.	M/s. InvestoSure 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 SahibzadaAjit Singh Nagar Mohali, Punjab - 160071	15
17.	The LIUM Laboratory Le Mans University LAVAL, France	1
18.	M/s. L&T Infotech Ltd. 2 nd Et. 3 rd 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. Oxygen 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 rd 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 st 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 SarajpurMarathalli, Outer Ring 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 nd 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 th Floor	3

	AvaniBhavan Chandkheda, Ahmedabad - 380005	
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, VittalMallya 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
65.	M/s. National Fertilizers Limited Nangal Unit, Naya Nangal (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, Virbhadr Nagar Road Baner Road, Baner Pune - 411045	1
69.	M/s. Oil and Natural Gas Corporation Ltd. Ahmedabad Asset HR-ER Deptt. 5 th Floor, AvaniBhawan	1

	Chandkheda, Ahmedabad - 380005	
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. Praspac 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 SwarajMajra, JuddiKalan Post Baddi, Tehsil - Nalagarh Distt. Solan (HP) - 173205	1
75.	M/s. Indoco Remedies Limited Videsh Katha, TehshilNalagarh 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, VasanUdyogBhavan 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. SukritVastu Architects. Engineers, Builders Opposite Buddhist Monastery (1 st 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 NetajiSubhash 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	1

	New Delhi	
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. MetaBrainz Foundation Inc.'s Offices Under GSoC - 2018	1
110.	M/s. Adobe Systems	1
111.	M/s. KocharInfotech 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, 1st 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. Apron Solutions Pvt. Ltd. B-19, Old DLF Colony Sector 14, Gurgaon, Haryana - 122001	1
120.	M/s. Maxus IT Office No. 32, 1 st Floor Radha Krishna Building ParasiPanchayat Road Andheri (East), Mumbai – 400 069	1
121.	M/s. Smartwiz Technologies F-131, Ground Floor Phase 8-B, Industrial Area	5

	Mohali - 160055	
122.	M/s. Godel Technologies Pvt. Ltd. 231, 2 nd Cross, 12 th Main Koramangala 4 th Block Bangalore – 34, Karnataka	1
123.	M/s. Omnious Solutions, Mohali C-175 (3 rd Floor), Phase-8B, Mohali	1
124.	M/s. SLR Infotech Pvt. Ltd. S.C.O. 134-136, 2 nd 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. MahaprajnaEdu 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 rd 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.SudiptoMukhopadhyay 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 th Floor, Canara Bank Building	1

	17 th Cross Road, Sector 7 Bangalore - 560102	
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 nd 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. BhartiAirtel 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, VipinKhand 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, VipinKhand 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)	1
183.	The HP PWD Hamirpur Division Sub division Sujampur (HP)	7
184.	M/s. SJVN Ltd. RHPS Bayal, Rampur Bsr., Distt. Shimla (HP)	1
185.	M/s. Lucknow Metro Rail Corporation Ltd. Administrative Building VipinKhand, Gomti Nagar, Lucknow - 226010	1
186.	The PWD Office Jodhpur, Rajasthan - 342001	1
187.	M/s. SJVN Ltd. Hydropower plant Jhakri	1
188.	M/s. ITD Cementation India Ltd.	1
189.	M/s. Larsen & Toubro Limited Construction Water & Effluent Treatment P.B. No. 979, Mount Poonamallee Road Chennai – 600 089	1
190.	M/s. Jaipur Development Authority	3

	JDA, Jaipur	
191.	M/s. National Highway Authority of India Jaipur	1
192.	The HP PWD Killar, Tehsil – Pangi Distt. – Chamba – 176323	1
193.	The HP PWD Mandi Sub Division No. III, Mandi	2
194.	The HP PWD Poanta Sahib Sub Division No. II	1
195.	M/s. SJVN Jhakri	1
196.	M/s. Indian Oil Corporation Jaipur	1
197.	M/s. R.D.S.O. Lucknow	1
198.	M/s. Indian Institute of Remote Sensing (IIRS) ISRO, Department of Space Dehradun	1
199.	M/s. DLF Homes SCO No. 190-192 Sector – 8 Chandigarh – 160055	1
200.	The National Highway Division Hamirpur (HP)	1
201.	M/s. NBCC (India) Limited IIT Works, Kamand Mandi (HP)	3
202.	M/s. L&T Construction Buildings & Factories IC 14 th Floor, E0Block 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.	1

	Technosoft Knowledge Centre 5 th Floor, Plot No. B-14, Road No. – 1 Wagle Industrial Estate (Near MulundChecknaka) Thane West – 400604 (Maharashtra)	
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 th Floor DLF Building No. 10 Tower C, DLF Cyber City Phase – II, Gurgaon, Haryana – 122 002	1
220.	M/s. NHPC Limited BairaSiul 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 DoulGobinda 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	1

	Gandhinagar, Gujarat – 382355	
226.	The Indian Institute of Technology Guwahati Near DoulGobinda 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 GyanSarita, New Delhi - 110044	2
231.	M/s. FoodBeePvt. Ltd.	1
232.	The Himachal Pradesh State Electricity Board Ltd. Larji Hydropower Project Kullu	1
233.	M/s. Jaipur Metro Railway Corporation KhanijBhavan 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 Sushant Lok 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	1

	Aurangabad – 431136 Maharashtra	
266.	The Chief Engineer O&M, Dr. NTPS Ibrahimpatal, Vijaynada 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. Brakewell 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, UdyogVihar, Ph-VI Gurgaon – 122001 (Haryana)	2
279.	M/s. HPSEB Ltd. Bassi Power House Division Jogindernagar	1
280.	M/s. UrjexBioler Limited S-25,26 Industrial Area PortupurDistt. 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. EmmbrosAutocomp Ltd. Village – Katha BaddiDistt. 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)	1

	Germany	
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 JioInfocomm Ltd. Reliance Corporate IT Park Limited Level 1792, 2 nd 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.YatindraNath 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 th Cross Koramangla 3 rd 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 CenterImarat 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'EcolePolytechnique Route de Saclay 91128 PalaiseauCedex FRANCE	1
320.	The Authentic Engineers Plot No. 341, Sector – 7 IMT Manesar, Gurgaon	1

	Haryana – India - 122050	
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. HaridwarUttarakhand 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 rd 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 JioInfocomm 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.	1

	Nr. Radha Swami Satsang Bhawan Ashok Chowk, Adarsh Nagar, Jaipur	
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 JioInfocomm 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 JioInfocomm 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	1

	Mohan Nagar, Ghaziabad – 201 007	
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 Gurgaon – 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 2018 - 2019

B.Tech. 2018 Batch

2019 (Total 61 Nos. of organizations in which students have been placed during the year 2018-19)							
Sr. No.	Discipline	Eligible/ Appeared Candidates	Placed	Total Job Offers	Percentage of placement	% Jobs offered to NIT Hamirpur	Max. CTC in lacs
1	Electronics & Comm. Engg.	66	53	95	80.30 %	90.90%	10.5
2	Computer Science & Engg.	81	80	90	98.76 %	130.86%	14.0
3	Electrical Engg.	65	65	69	100.00 %	109.23	7.95
4	Mechanical Engg.	73	62	59	84.93 %	98.63	35.0
5	Civil Engg.	61	45	39	73.77 %	80.32	7.50
6	Chemical Engg.	42	26	29	61.90 %	73.80	8.91
Total		387	331	389	85.52 %	100.51	

Dual Degree 2019 Batch

2019 (Total 20 Nos. of organizations in which students have been placed during the year 2018-19)							
Sr. No.	Discipline	Eligible/ Appeared Candidates	Placed	% Placement	Total Job Offers	% Jobs offered to NIT Hamirpur	Max. CTC in lacs
1	Computer Science & Engineering	55	45	81.81%	53	96.36%	120.0
	Total	55	45	81.81%	53	96.36%	

B.Arch. 2019 Batch

2019 (Total 1 No. of organization in which students have been placed during the year 2018-19)					
	Discipline	Eligible/ Appeared Candidates	Placed	Total Job Offers	Percentage of placement
1	Architecture	42	03	03	7.14

M.Tech./ M.Arch 2019 Batch

2018 (Total 14 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	Geotechnical Engg.	09	1	1	
2	Structure Engg.	10	1	1	
3	Transportation Systems Engg.	10	1	1	
4	Water Resource Engg.	12	--	-	
5	THERMAL ENGG. (MECH. ENGG.)	12	-	-	
6	(CAD-CAM) (ME)	10	1	1	
7	Power Systems (EE)	08	1	1	
8	Signal Processing & Control (EE)	08	3	3	
9	Condition Monitoring, Protection & Control of Electrical Apparatus (EEE)	08	1	1	
10	VLSI Design & Automation Techniques (ECE)	11	4	4	
11	Comm. Systems & Networks (ECE)	08	2+1*	3	
12	Comp. Sc. & Engg.	11	6+2*	8	
13	Mobile Computing	07	5+1*	6	
14	Energy Technology	03	--	--	
15	Environmental Engg.	13	--	--	
16	Material Sc. & Engg.	11	3	3	
17	Architecture	--	-	-	
18	Chemical Technology	--	-	-	
Total		151	29+4*	33	19.20

MBA 2019 Batch

2019 (Total 02 Nos. of organizations in which students have been placed during the year 2018-19)					
	Discipline	Eligible/ Appeared Candidates	Placed	Total Job Offers	Percentage of placement
1	Master of Business Administration	11	3	3	27.27%
	Total	11	3	3	27.27%

5.2 CAMPUS PLACEMENT RECORD OF B.TECH. / B.ARCH. / M.TECH./MBA**YEAR : 2018 – 2019****(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.	Gap Inc.	CSE /E&CE	9.08	7	4					11
2.	Capgemini Technology Services India Pvt. Ltd.	CSE/E&CE/EE/ME/CE	6.50	9	13	6	4	1	-	33
3.	EXL Services Pvt. Ltd.	CSE/EEE/E&CE/Chemical	6.0	2	4	1	3	2		12
4.	Wipro Pvt.Ltd	CSE/EEE/E&CE/Chemical	6.50	3	2	3				08
5.	J.P. Morgan Services India Pvt. Ltd.	CSE	14.00		1					01
6.	Jugnoo (Socomo Technologies Pvt. Ltd.	CSE	12.00		1					01
7.	Reliance Jio Infocomm Limited	CSE	4.50		8					08
8.	HSBC Technology	CSE/E&CE	12.0/7.0	1	15					16
9.	SGM Software Private Limited (Octro Inc.)	CSE/E&CE	5.50	2	2					04
10.	Ittiam System Private Limited	E&CE	10.40	1						01
11.	L&T Construction Pvt. Ltd.	CE	6.0					1		01
12.	Mohindra Comviva	CSE/E&CE	6.63	1	1					02
13.	Larsen & Toubro Limited Chandigarh	EE/ME	6.0			2	3			05
14.	JPIT Technology Limited	EE/E&CE	5.5	4		2				06
15.	ITC Private Limited	ME/Chemical	8.91				2		1	03
16.	Wipro Technologies	CSE/E&CE	6.50	6	13	6	1	1	--	27
17.	Grey-B Research Private Limited	EEE	6.20			1				01
18.	Oceaneering International Limited	ME	6.24				2			02
19.	L&T Construction Pct. Ltd. Faridabad	CE/EE	6.00			13		30		43
20.	Allen Career Institute , Kota	CE/EE/ME/CSE/Chemical	10.0/9.0/8.0/7.5/7.0		2	3	2	3	7	17
21.	OPTUM, a United Health Group Company	CSE	10.54		4					04
22.	Remata Precision Components Pvt. Ltd.	ME	4.51				2			02
23.	Technip India Private Limited	ME	5.16				2			02
24.	Motherson Sumi INFotech and Designs Ltd. (MIND)	ME/CSE/E&CE	5.0	1	2		2			05
25.	Oracle India Private Limited	CSE/EEE/ME/E/CE	6.40	2	6	5	1			14
26.	Global Logic	CSE	4.80		4					04

27.	Smartcube India Private Limited	Chemical /EEE	6.68			1			1	02
28.	Infosys Limited	E&CE/EEE/CE/ME/CS E	5.0/3.60	6	5	6	6	1	6	30
29.	Maruti Suzuki India Private Limited	ME	8.0				6			06
30.	Anglo Eastern Ship Management Ltd.	ME	35.0				4			04
31.	Saint-Gobain India Private Ltd.	ME	6.30				1			01
32.	Hindustan Zinc Limited(Vedanta)	EE/Chemical/ME	7.95			3	6		2	11
33.	Reliance Industries Limited	E&CE/EE/Chemical	5.50	5		1			5	11
34.	Samsung R&D Institute India – India	CSE	14.0		2					02
35.	Xenon Stack Private Limited	CSE/E&CE	4.2	1	3					04
36.	Ashok Leyland Ltd.	ME/EEE/E&CE	4.0	1		2	3			06
37.	Thermax Limited	ME	5.75				2			02
38.	Accenture Limited	E&CE/CSE	8.67	2	1					03
39.	Newgen Software Technologies Ltd.	CSE	6.25		3					
40.	iCuerious Research Services LLP	EEE	4.0		1					
41.	Godrej & Boyce Mfg. Co. Ltd.	CE/ME	5.50				1	1		
42.	Cognizant Technology Solution	CSE	10.31		2					
43.	Samsung Research Institute, Noida	CSE/E&CE	10.50	1	7					
44.	Tata Power Delhi Distribution Limited	E&CE/EEE	5.50	1		6				
45.	Havells India Ltd.	EEE/ME/E&CE	5.50	1		2	4			
46.	Vasa Denticity Pvt. Ltd. (Dentalkart)	E&CE	5.00	2						
47.	Honda Cars India Limited (HCIL)	ME	5.04				4			
48.	BCH Electric Limited	EEE/ME/E&CE	4.50	1		1	1			
49.	Samsung Engineering India Ltd.	Chemical	4.80						2	
50.	KFC International Limited	CE/EEE	4.75			4		4		
51.	HPCL Mittal Energy Ltd. (HMEL)	ME/Chemical	6.0				3		6	
52.	Siemens Technology and Services Pvt. Ltd.	CSE	5.0		1					01
53.	Raam Group	ME	4.80				1			
54.	Timex Group	ME	3.0				1			
55.	JCB India Ltd.	EE/ME	4.0			1	1			
56.	Afcons Infrastructure Limited	CE	4.80					2		
57.	Hindustan Construction Co. Ltd.	CE	3.75					3		
58.	Spinks World	EE	3.60			1				
59.	Indorama Industries Ltd.	Chemical	3.0						1	
60.	Subros Ltd.	ME	4.07				3			
61.	L&T Services Pvt. Ltd. Total	ME	6.0	60	106	71	1 72	49	31	389

Dual Degree (CSE) 2019 Batch

Sr. No.	Name of Organisation	Description of Engg. Considered	App. Pay Pac. (Rs. Lakhs per annual	Total
1	Capgemini Technology Services India Pvt. Ltd.	Dual Degree (CSE)	6.00	07
2	Jugnoo (Socomo Technologies Pt. Ltd.)	Dual Degree (CSE)	12.0	03
3	Reliance Jio Infocomm Limited	Dual Degree (CSE)	4.50	01
4	Hyderabad Research & Design Centre (UTC)	Dual Degree (CSE)	7.0	09
5	HSBC Technology	Dual Degree (CSE)	12.0	02
6	SGM Technologies	Dual Degree (CSE)	5.50	01
7	Mahindra Comviva	Dual Degree (CSE)	6.63	01
8	Wipro Technologies	Dual Degree (CSE)	6.50	07
9	Allen Career Institute, Kota	Dual Degree (CSE)	7.50	01
10	Motherson Sumi Infotech and Designs Ltd. (MIND)	Dual Degree (CSE)	5.0	01
11	Global Logic	Dual Degree (CSE)	4.80	01
12	First American Pvt. Ltd.	Dual Degree (CSE)	7.0	01
13	Oracle India Private Limited	Dual Degree (CSE)	6.40	04
14	Ebizon Netinfo	Dual Degree (CSE)	7.0	02
15	Infosys Limited	Dual Degree (CSE)	5.00/3.60	04
16	Indiamart Intermesh Ltd.	Dual Degree (CSE)	10.0	04
17	Accenture Limited	Dual Degree (CSE)	8.67	01
18	Newgen Software Technologies Limited	Dual Degree (CSE)	6.25	01
19	Samsung Research Institute	Dual Degree (CSE)	10.5	01
20	Stripe Inc. San Francisco	Dual Degree (CSE)	120.0	01
			Total	53

B.Arch. 2019 batch

Sr. No	Name of Organisation	App. Pay Pac. (Rs. Lakhs per annum)	B.Arch.	Total
1.	Wipro Technologies	6.50	01	01
2	Wipro Limited	6.50	01	01
3	Godrej & Boys Mfg. Co. Ltd.	5.50	01	01
	Total			03

M.Tech. 2019 batch

Sr. No	Name of Organisation	Disc. of Engg considered	App. Pay Pac. (Rs. Lakhs per annum)	Students Selected								Total
				ECE	CSE	EE	ME	CE	Mat. Sc.	Arch	Energy	
1	Hyderabad Research & Design Centre (UTC)	CSE/E&C E	7.00	1	1		-	-	-	-	-	02
2	Allen Career Institute Kota	CSE/EE/M at. Sc	7.00/7.50/8.0	-	1	3	-	-	2	-	-	06
3.	First American Pvt. Ltd	CSE	7.0	-	1			-	-	-	-	01
4.	Oracle India Pvt. Ltd.	CSE	6.40	-	1		-	-	-	-	-	01
5.	Infosys Limited	CSE/ME/E &	3.60	3	2		1	2	1	-	-	09

6.	iNurtureEdu. Solutions Pvt. Ltd.	CSE	4.20	-	2		-	-	-	-	-	02
7.	CL Educate Limited	EE	5.50	-	-	1	-	-	-	-	-	01
8.	Gigacom Semiconutor Private Limited	E&CE	4.50	2	-		-	-	-	-	-	02
9.	Parul University	CSE	5.04	-	4		-	-	-	-	-	04
10.	L&T Construction	CE	6.25	-	-		-	1	-	-	-	01
11.	Siemens Ltd.	CSE	8.0	-	1		-	-	-	-	-	01
12.	Avaada Group	EE	5.0	-		1	-	-	-	-	-	01
13.	Dolcera ITES (P) Ltd.	CSE	8.0	-	1		-	-	-	-	-	01
14.	Spinks World	E&CE	3.60	1	-	-	-	-	-	-	-	01
		Total		07	14	05	01	03	03	0	0	33

MBA 2019 batch

Sr. No	Name of Organization	App. Pay Pac. (Rs. Lakhs per annum)	MBA	Total
1.	Xenon Stack Private Ltd.	4.20	01	01
2.	Spinks World	3.60	02	02
		Total	03	03

MSc 2019 Batch

Sr. No.	Name of Organization	App. Pay Pac. (Rs. Lakhs per annum)	Chemistry	Math	Total
1	Allen Career Institute Kota	7.00/7.5/8.0	03	01	04
	Total		03	01	04

- **Total Nos. of organizations in which students placed from UG = 61 Nos.**

Highest Package offered = Rs. 35.00 Lacs PA
Lowest package offered = Rs. 3.00 Lacs PA
Average package offered = Rs. 6.78 Lacs PA

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

Highest Package offered = Rs. 120.00 Lacs PA
Lowest package offered = Rs. 3.60 Lacs PA
Average package offered = Rs.9.37 Lacs PA

- 372. Total Nos. of organizations in which students placed from PG (M.Tech)= 14 No.**

Highest Package offered = Rs. 8.00 Lacs PA
Lowest package offered = Rs. 3.60 Lacs PA
Average package offered = Rs. 5.32 Lacs PA

Branch wise B.Tech students:

Branch	Highest Package offered	Lowest Package Offered	Average package offered
Civil Engg.	Rs. 7.50 Lacs	Rs. 3.60 Lacs	5.76 Lacs
Electrical Engg.	Rs. 7.95 Lacs	Rs. 3.60 Lacs	5.87 Lacs
Mechanical Engg.	Rs. 35.0 Lacs	Rs. 3.00 Lacs	7.55 Lacs
Electronics & Comm. Engg.	Rs. 10.50 Lacs	Rs. 3.60 Lacs	6.52 Lacs
Computer Science & Engg.	Rs. 14.00 Lacs	Rs. 3.60 Lacs	7.71 Lacs
Chemical Engg.	Rs. 8.91 Lacs	Rs. 3.00 Lacs	6.01 Lacs

Branch wise Dual Degree students:

Branch	Highest Package offered	Lowest Package Offered	Average package offered
Computer Science & Engg.	Rs. 120.0 Lacs	Rs. 3.60 Lacs	9.37 Lacs

5.3 Scholarships/Assistance ship:

Scholarship disbursed to the students (UG, PG & Ph.D) of NIT Hamirpur under various scholarship schemes during the year 2018-19 (w.e.f. April, 2018 to March, 2019) 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	BSNL Scholarship	BSNL	7200	1	Renewal for 2017-18
2	CBSE Scholarship	Central Board of School Education	30000	3	Rs. 10,000/- p.a.
3	CSSS for College & University Students	Deptt. of Higher Education, GoI	250000	25	Fresh & Renewal
4	Coal India Ltd (Employee's ward) Scholarship	Coal India Limited	99350	1	Fresh for 2016-17 batch students
5	CRPF (Employees ward) S/Ship	CRPF MHA	57000	2	Renewal for 2016-17 batch students
6	Dr. Ambedkar PMSS for FBC,HP	HP. Govt.	78570	1	Renewal for 2015-16 batch students
7	FAEA – Scholarship	FAEA – Scholarship (BHEL-3) C-25 Qutab	60000	1	in r/o 2015-16 batches students
8	Indian Air Force Benevolent Association	IAFBA	30000	2	Fresh for 2016-17 & 2018-19 Batch students
9	Indian Railway Ward S-Ship	Indian Railway	18000	1	Renewal for 2017-18 batch students
10	Inspire Scholarship	DST Govt. of India	120000	2	Renewal for MSC Students
11	J&K PMSS	AICTE, New Delhi	1209000	4	Renewal for 2017-18 & 2018-19 years
12	Kalpana Chawala Chhatravritti Yojana, HP	MHRD	210000	14	Fresh & Renewal for 2017-18
13	Mehar Mohan Indra Ram Das Trust S/Ship	MMIRDAT	20000	1	Fresh for 2018-19
14	Merit cum Mean for Prof. & Tech. Courses	Rajasthan	51666	1	Renewal for 2017-18

15	Merit-cum-Mean Scholarship	Govt. of India, MHRD , New Delhi	515200	7	Rs. 73600/- renewal (full S/Ship) for 2014-15 batch students
			37400	1	Rs. 37400/- renewal (token S/Ship) for 2014-15 batch students
			73600	1	Rs. 73,600/- fresh (full S/Ship) for 2014-15 batch students
			5446400	74	Rs. 73600/- renewal (full S/Ship) for 2015-16 batch students
			710600	19	374,00/- renewal (token S/Ship) for 2015-16 batch students
			883200	12	73600/- fresh (full S/Ship) for 2015-16 batch students
			74800	2	37400/- fresh (token S/Ship) for 2015-16 batch students
16	Mukhya Mantri Sarvjan Uchha Shiksha	Govt. of Rajasthan	20833	1	Fresh for 2017-18
17	Mukhya Mantri Medhavi Vidyathi Yojna	Govt. of Madhya Pradesh	155399	3	Fresh & Renewal for the year 2018-19
18	National S/Ship for HE for ST Students	MTA	3822745	38	Fresh & Renewal for the year 2017-18 & 2018-19
19	NHFDC- Scholarship for Physically	National Handicapped Finance & Dev	92450	2	2016&17 batches students (paid directly students account)
20	ONGC S/Ship	ONGC – Academy Dehradun Uttrakhand	96000	2	2014&15 batches students (paid directly students account)
21	Post Matric S/Ship	Telengana Govt.	38500	1	Directly paid to students account for the year 2013-14
22	PMSS (KSB)	Kendriya Sainik Board	147000	6	Directly paid to students account for the year 2016-17 & 2017-18 batch
23	PMSS for Central Armed Police & Assam Rifles	WARB, MHA, Gol	24000	1	Directly paid to student account for the batch 2017-18
24	PMS (Uttar Pradesh)	UP	212700	7	Fresh & Renewal for the year 2016, 2017 & 2018
25	Post Matric S/Ship, Bihar	Directorate of Bihar Govt.	1527900	24	Fresh & Renewal for the year 2013, 2014, 2015, 2016 & 2017 batch students
26	Post Matric S/Ship, Scheme Minorities	DMWWUP	5700	1	Fresh for 2018-19 year for 2016- 17 batch students

27	Rajasthan Police Ward Scholarship	Rajasthan	90000	3	Fresh & renewal for 2018-19 year for 2016-17 & 2018-19 batch students
28	Sam sung Star Scholarship	Samsung	400000	2	Fresh & Renewal for the year 2018-19 year for 2016-17 & 2017-18 batch students.
29	SJVN Silver Jubilee Merit Scholarship	SJVN Limited, Shimla	4392000	183	Fresh & Renewal for 2018-19 year for 2016-17 & 2017-18 batch students
30	Top Class education for SC students	MSJE	2403972	26	Fresh & Renewal for 2016-17 & 2017-18 year for 2013-14 onwards batch students
31	M.Tech Stipend to Dual Degree (GATE qualified) students	Govt. of India MHRD new Delhi	2945055	35	Rs. 12,400 each PM for 2014-19 batch dual degree students (as per actual presence)
32	M.Tech Stipend for (GATE qualified) students	Govt. of India MHRD, New Delhi	51387374	398	Rs. 12400/- each PM for 2017-19 & 2018-20 batch students (as per actual presence)
33	Financial Assistance to Ph.D Scholars	Govt. of India MHRD New Delhi	20385968	75	Rs. 25,000/- each per month & 28,000 PM after two years +HRA @10% upto Dec. 2018 and Rs. 31,000/- each per month & Rs. 35,000 PM after two years +HRA @ 8% during Jan, 2019 onwards (as per actual presence)
		Govt. of India MHRD , New Delhi (Under TEQIP-II Grant)	1658428	7	Rs. 25,000/- each per month & 28,000 PM after two years (as per actual presence)
		Deity Scholarship (Visvesvaraya Ph.D Scheme for Electronics &IT)	3511923	10	Rs. 31,500/- each per month & 35,000 PM after two years (as per actual presence)
TOTAL:			=103299933	1000	

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	Prof. Chandra Shakher Professor Emeritus, IDDC, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016	Chairman
2	Prof. Vinod Yadava, Director, NIT Hamirpur (HP) - 177005	(Ex- officio) Member
3	Additional Secretary (T) Department of Higher Education Government of India, Ministry of HRD Shastri Bhawan, New Delhi	Member (MHRD Nominee)
4	Joint Secretary & Financial Adviser Department of Higher Education Government of India, Ministry of HRD Shastri Bhawan, New Delhi—110 015	Member (MHRD Nominee)
5	Sh. Dhananjay Kumar Singh Under Secretary (Finance), Representative of Joint Secretary & Financial Advisor Govt. of India, Ministry of HRD, New Delhi	Member (Nominee of MoF)
6	Director (Technical Education), Industrial and Vocational Training, Sundernagar, District Mandi (HP) - 175018	Member
7	Prof. Rajender Modgil, Professor, Department of Physics, Kurukshetra University, Kurukshetra	Member
8	Dr. Shakuntala Iyer, Director, Shanders Group, R/o 2505, Ground Floor, 14th Main, 2nd Stage, Kumaraswamy Layout, Bengaluru - 560075	Member
9	Prof. Sunil, Professor, Mathematics Department, NIT Hamirpur (HP) - 177005	Member
10	Dr. Naveen Chauhan, Assistant Professor (CSED), NIT Hamirpur (HP) - 177005	Member
11	Director, Indian Institute of Technology, Mandi (HP) – 175005 or [His nominee, not below the rank of Professor]	Member
12	Prof. Sushil Chauhan, Registrar, NIT Hamirpur (HP) - 177005	Secretary

6.2 FINANCE COMMITTEE

The Finance Committee present incumbents are:

Sr. No.	Name & address	Designation
1	Prof. Chandra Shakher, Professor Emeritus, I.D.D.C., Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110 016).	(Ex-officio) Chairman
2	Prof. Vinod Yadava, Director, NIT Hamirpur (HP) - 177005	(Ex- officio) Member
3	Joint Secretary (NITs), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, New Delhi - 110 001 or [His nominee]	Member
4	Financial Adviser, Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, New Delhi - 110 001 or [His nominee]	Member
5	Prof. Sunil, Professor, Mathematics Department, NIT Hamirpur (HP) – 177 005	Member
6	Prof. Rajender Modgil, Professor, Department of Physics, Kurukshetra University, Kurukshetra	Member
7	Prof. Sushil Chauhan, Registrar, NIT Hamirpur (HP) - 177005	Member Secretary

6.3 BUILDING & WORKS COMMITTEE

The Buildings & Works Committee present incumbents are:

Sr. No.	Name & address	Designation
1	Prof. Vinod Yadava, Director, NIT Hamirpur (HP) - 177 005	Ex-officio Chairman
2	Director or Deputy Secretary or His nominee dealing with NITs, Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, New Delhi – 110 001	Ex-officio Member
3	Director or Deputy Secretary or His nominee dealing with Finance (NITs), Department of Higher Education, Ministry of Human Resource Development, Government of India, Shastri Bhawan, New Delhi – 110 001	Ex-officio Member
4	Prof. Sunil, Professor, Mathematics Department, NIT Hamirpur (HP) – 177 005	Member
5	Prof. Sushil Chauhan, Registrar, NIT Hamirpur (HP) - 177 005	Ex-officio Member Secretary
6	Dean (P&D) NIT Hamirpur (HP) - 177 005	Member
7	One Expert from Civil Wing of Central or State Government or Autonomous body of repute	Member
8	One Expert from Electrical Wing of Central or State Government or Autonomous body of repute	Member

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, Department of Civil Engineering, Indian Institute of Technology, Hauz Kha, New Delhi-110016.	External Member
2.	Prof. Abhishek Nirjar, B-10, Qutab Institutional Area, New Delhi-110016	External Member
3.	Prof. Suneel Kumar Shrivastava, Professor, Department of Chemistry, Indian Institute of Technology, Kharagpur-721302.	External Member
4.	Prof. O.N. Mohanty, Plot 200 Unit3, Kharavela Nagar, Bhubaneswar-751001.	External Member
5.	Prof. P.K. Chande, B-36 HIG Colony, A.B. Road, Indore-452008.	External Member
6.	Prof. Anil Kumar Dixit, Prof. & Head, CEEE, IIT, Bombay Powai, Mumbai-400076	External Member
7.	Dr. Virender Kumar Sarda Prof. CED, NIT, Hamirpur(HP)	Member
8.	Dr. Y.R. Sood, Prof. EED, NIT, Hamirpur (HP).	Member
9.	Dr. A. S. Singha, Prof. in Chemistry NIT, Hamirpur (HP).	Member
10.	Dr. Sunand Kumar, Prof. MED, NIT, Hamirpur (HP).	Member
11.	Dr. R.K. Sharma,	Member

	Prof. CED, NIT, Hamirpur (HP).	
12.	Dr. Anoop Kumar, Prof. in MED, NIT, Hamirpur (HP).	Member
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	Member

	Prof. EED NIT Hamirpur	
25.	Dr. Bhanu Marwaha, Prof. Architecture Deptt., NIT, Hamirpur(HP).	Member
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

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|-----|--|------------------|
| 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 |

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, centre 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 throughout 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 6TB 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. Airtel Ltd. For external telephone connectivity E1 PRI of 30 Channels has been subscribed from BSNL.

3). Technical Officers/Officials

Faculty Incharge	:	Dr. Naveen Chauhan
Scientific Officer	:	Er. Anil Kumar
Scientific Officer	:	Sh. Jagdish Verma
Scientific Officer	:	Er. Ashwani Kr. Sharma
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 2018-19 in English and Hindi version is as below:-

Sr. No.	Name of Asset/Equipment	Quantity
1	POE Switch	05 Nos.
2	Fiber Patch Cords (Single Mode)	05 Nos.
3	CISCO 5 G 350x24P-K9-EU Switch	30 Nos.
4	CISCO 5 G 350x48P-K9-EU Switch	20 Nos.
3	Minigibic SPF CISC Modular GLC-LH SMD	25 Nos.

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 X-plore 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.. 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. S.K Sharma (General Physician)
- IV. Dr. K.C. Chopra (General Physician)
- V. Dr. Swatantra Sharma (Eyes Specialist)
- VI. Dr. Vivek Sharma (M.D. Medicine)
- VII. Dr. Dinesh Thakur (Orthopedician)

2) The working hours of the dispensary are as follow:-

Monday to Friday - 9:00 AM to 8:00 PM

- 3) Total patients treated annually - 18213
 - 4) No. of outdoor attendance - 0
 - 5) No. of day care patients - 48 (Approx.)
 - 6) No. of referral cases - 439 (Approx.)
 - 7) Blood donation camps are organised four to five times a year in health centre.
 - 8) Immunization camps are organised once in a month in health centre
- 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 Basket ball and lawn tennis 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. Along with this the construction of student activity centre (SAC) is going on which is handed over for the use of student very shortly.

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 2018-19 two day 32nd Annual Athletics meet was organized from March 18th - 19th - March-2019. In this meet the following events were organized such as 100M, 200 M, 400 M, 800 M, 1500M, 5000 M, 4x100 and 4x400 relay, Long jump, High Jump, Shot Put, Discus and Javelin Throw for Boys and Girls. For the session 2018-19 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	16-18 Feb.- 2018	URJA	TIET Patiala	---
2	Table Tennis	16-18 Feb.- 2018	URJA	TIET Patiala	---
3	Badminton	16-18 Feb.- 2018	URJA	TIET Patiala	---
4	Basketball	16-18 Feb.- 2018	URJA	TIET Patiala	-
5	Football	16 th -18 th Feb.- 2018	URJA-2018	TIET Patiala	-
6	Athletic	14 th – 16 th April 2018	ITUSA	TIET Patiala	Gold-800M Silver-400, 1500, 5000 M Bronze –5000 M, Javelien Throw
7	Cricket	16 th - 18 th Feb. 2018	URJA 2018	TIET Patiala	-
8	Football	5 th - 7 th Oct. 2018	ITUSA	NIT Kurukshetra	3 rd
9	Volleyball	12 th - 13 th April 2018	ITUSA	TIET Patiala	4 th
10	Lawn tennis	12 th - 13 th April 2018	ITUSA	TIET Patiala	-
11	Athletic	12 th - 13 th Apr. 2018	ITUSA	TIET Patiala	Gold-5000 M Bronze- 5000 M, 1500 M Triple Jump
12	Cricket	3 rd -5 th Nov. 2018	ITUSA	TIET Patiala	-

13	Badminton	3 th - 5 th Nov. 2018	ITUSA	PEC Chandigarh	4 th
14	Chess	3 th - 5 th Nov. 2018	ITUSA	PEC Chandigarh	4 th
15	Basketball	5 th - 7 th Oct. 2018	ITUSA	NIT Kurukshetra	-
16	Table tennis	5 th - 7 th Oct. 2018	ITUSA	NIT Kurukshetra	-

B:- Girls

Sr. No.	Game	Date & Year	Name of Tournament	Venue	Position
1	Volleyball	6-8 Oct.- 2017	ITUSA	NIT, Kurukshetra	2 nd
2	Badminton	7-8 Oct.- 2017	ITUSA	P.E.C. Chandigarh	3 rd
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 nd
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 flood light	2 No.	
6	Basketball court	With flood light	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, MESSES, 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)	Chief Warden Hostels Office
2	Dr. Rajesh Kumar Sharma	Warden	Kailash Boys Hostel
3	Dr. Kalyan Sunder Ghosh	Assistant Warden	
4	Dr. Vikram Verma	Assistant Warden	
5	Dr. Siddhartha Chauhan	Warden	Shivalik Boys Hostel
6	Dr. Radhe Shyam	Assistant Warden	
7	Dr. Pardeep Singh	Warden	Satpura Boys Hostel
8	Dr. Debasish Das	Assistant Warden	
9	Dr. Krishan Kumar	Warden	Vindhyachal Boys Hostel
10	Dr. Chandrasekran S	Assistant Warden	
11	Dr. Umesh Kumar Pandey	Warden	Dhauladhar Boys Hostel
12	Dr. Jaiveer Kherb	Assistant Warden	
13	Dr. Amit Kaul	Warden	Mani Mahesh Boys Hostel
14	Dr. Santosh Bhaulal Bopche	Assistant Warden	
15	Dr. Vinod Sharma	Warden	Neelkanth Boys

16	Dr. T. Ganesh	Assistant Warden	Hostel
17	Dr. Rajesh Kumar Sharma	Assistant Warden	
18	Dr. Siddhartha	Warden	Himgiri Boys Hostel
19	Dr. Mohd. Adil	Assistant Warden	
20	Dr. Leela Manohar Aeshala	Assistant Warden	
21	Dr. ChanderPrakash	Warden	Himadri Boys Hostel
22	Ar. Puneet Sharma	Assistant Warden	
23	Dr. Vivek Tiwari	Asstt. Warden	
24	Dr. Bharti Gaur	Warden	Ambika Girls Hostel
25	Dr. Vandna Sharma	Assistant Warden	
25	Dr. Veena Sharma	Warden	Parvati Girls Hostel
26	Dr. Madhu Kumari	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	170
Satpura Hostel	Triplet	325
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
Himadri Hostel	Triplet	597
Himgiri Hostel	Singlet room 371 Double room 11	482
Parvati Girls Hostel	Single seated-54 03 seated-36	162

Ambika Girls Hostel	Doublet- 66 03 Seated- 26 04 Seated- 16 05 Seated- 25	121
Shivalik Hostel	04 seated 06 seated	130
Aravali Hostel	Doublet	60

Hostel Management Policy:-

- National Institute of Technology, Hamirpur is a fully residential institute. All the students 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 1st year, the Establishment charges, ambulance charges and common room charges are collected from July 1st 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.
	QTRS				
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 76.26 Acre			
		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 Accounts of National Institute Technology, Hamirpur for the year ended 31 March 2019

1. We have audited the Balance Sheet of National Institute of Technology, Hamirpur As at 31st March 2019, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General (Duties, Power & 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 transaction 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 in 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 statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

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. 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 Provision (Schedule 3)****Unutilized Grants (SI. No. 6(d): Rs. 0.00**

As per format of Accounts for Central Educational Institute has an un-utilized grants are to be shown as current liability in the Balance Sheet. The Institute has an un-utilized grant of Rs. 61.00 Crore as on 31.3.2019, which was not shown in the Current Liabilities. This has resulted in understatement of Current Liabilities & Provisions by Rs. 61.00 Crore and overstatement of Corpus / Capital fund to the same extent.

B. General

B-1 The Institute had earned interest on saving account as well as FDRs (Schedule 11&12) amounting to Rs. 4.68 Crore which included interest earned on investments of sponsored Project & Fellowship Funds, which was not transferred to the Sponsored Project & 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 extent of interest income transferable to sponsored Project & Fellowship Funds. The amount is not quantifiable, as separate bank accounts are not maintained.

B-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 and scholarships” and Utilized Grants from UGC, Government of India and State Governments”, respectively but the same have not been prepared properly as no figures have been incorporated in the said schedules as per the requirement of prescribed format of accounts for Central Educational Institutions.

B-3 The Institute although prepared schedule 10 but the figures of revenue and capital expenditure and grant balances as shown in this Schedule 10 have not been incorporated in the related Schedules/ Accounts as per the requirement of prescribed format accounts for Central Educational Institutions. This lapse has also been pointed out in previous SARs but no compliance made.

B-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 provisions for Superannuation Pension, Gratuity and Accumulated Leave Encashment amount to Rs. 98.95 lakh in the accounts for the year 2018-19 but the same has not been made on Actuarial valuation basis as stated in Significant accounting Policy (schedule 23) at SI no. 6, which is in contravention of format of accounts for Central Higher Educational Institutions as well as AS 15.

B-5 SI no. 5 of the Significant Accounting Policies (Schedule 23) state that the expenditure on purchase of chemicals, glassware, publications and other stores is accounted as revenue expenditure, except that the value of closing stocks held on 31st March is set up as inventories by reducing the corresponding Revenue expenditure on the basis of information obtained from the departments. They are valued at cost.

But the Institute has shown nil stock under the Current Assets as per Schedule- 7, which is in contravention of the said Significant Accounting Policy.

B.6 As stated in Significant Accounting Policy (Schedule 23) under SI no. 3,7, Assets created out on Sponsored Projects funds, where the ownership is retained by the sponsors but held and used by the Institute are required to be separately disclosed in the Notes on Accounts, but the same has not been shown in Notes on Accounts which is in contravention of the said accounting policy.

B-7 The work “Construction of boundary wall along the national highway near the type V quarters” completed during the financial year 2018-19 was not capitalised. Impact of the non-capitalisation of this work on the accounts could not be ascertained as the Institute have not furnished the work-wise details of Capital work-in-progress.

C. Grant-in-Aid

Out of the available funds of Rs. 178.25 Crore (OH 31: Rs. 40.71 Crore, OH 35: Rs. 53.69 Crore and OH 36 : Rs. 83.85 Crore) including unspent balance of previous year balance of Rs. 34.61 Crore and (OH 31: Rs. 25.27 Crore, OH 35 : Rs. 9.34 Crore and OH 36 Nil[#]) and Grant in Aid received during the year Rs. 143.64 Crore (OH 31: Rs. 15.44 Crore, OH 35: Rs. 44.35 Crore and OH 36: Rs. 83.85 Crore);the Institute utilized Rs. 117.25 Crore ((OH 31: Rs. 36.20 Crore, OH 35 : Rs. 45.74 Crore and OH 36: Rs. 35.31 Crore) leaving unspent balance Rs. 61.00 Crore (OH 31: Rs. 4.51 Crore, OH 35: Rs. 7.95 crore and OH 36 : Rs. 48.54 Crore) inclusive of Capital Advance of Rs. 7.18 crore at the end of the year 2018-19 i.e. as on 31.03.2019.

D. Management letter

Deficiencies which have not been included in the Audit report have been brought to the notice of the Institute’s management through a management letter issued separately for remedial/ corrective action.

Negative grant balance (i.e. excess of the expenditure over the grant funds available) of Rs. 27.07 Crore under the Object Head 36 as pointed out in the previous year SAR have been taken as zero as the Institute have not obtained any approval from the Ministry for meeting the excess expenditure upto the year 2017-18 from grant of 2018-19

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 give 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 on 31st March 2019; and
- b. In so far relates to Income & Expenditure Account, of the surplus 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. 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 2018-19.

2. Internal Control System

Internal control system of the Institute is inadequate as the fact that three meetings Building & Works Committee were held during the financial year 2018-19 as against the requirement of four numbers of meetings as prescribed in the Statue/Manual of the Institute.

3. Physical verification of Fixed Assets

Physical Verification of Fixed Assets was conducted for the year 2018-18.

4. Physical verification of Inventory

Physical verification of Inventory was conducted for the year 2018-19.

5. Regularity in payment of Statutory Dues

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


Deputy Director

Annual Accounts

2018-19

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
BALANCE SHEET AS AT 31st March, 2019

(Amount-----Rs.)			
	Schedule	Current Year	Previous Year
<u>SOURCES OF FUNDS</u>			
CORPUS/CAPITAL FUND	1	5,113,027,134.92	3,830,247,015.09
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	32,874,115.08	25,372,172.08
CURRENT LIABILITIES AND PROVISIONS	3	501,028,854.55	588,712,610.35
TOTAL		5,646,930,104.55	4,444,331,797.52
APPLICATION OF FUNDS			
<u>FIXED ASSETS</u>	4		
Tangible Assets		2,247,384,678.15	2,327,071,709.66
Intangible Assets		10,595,581.20	0.00
Capital Works-In-Progress		1,020,219,895.00	596,925,251.00
INVESTMENT FROM EARMARKED/ENDOWMENT FUNDS	5		
Long Term			
Short Term			
INVESTMENT - OTHERS	6	0.00	0.00
CURRENT ASSETS	7	2,245,588,703.96	1,421,997,988.62
LOANS, ADVANCES & DEPOSITS	8	123,141,246.24	98,336,848.24
TOTAL		5,646,930,104.55	4,444,331,797.52
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	24		

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

REGISTRAR
NIT HAMIRPUR (HP)

DIRECTOR
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P.)
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31/03/2019

(Amount --Rs.)

<u>INCOME</u>	Schedule	Current Year	Previous Year
ACADEMIC RECEIPTS	9	272,832,895.82	170,783,241.94
GRANT & SUBSIDIES	10	992,868,000.00	495,200,000.00
INCOME FROM INVESTMENTS	11	43,626,779.00	38,171,115.62
INTEREST EARNED	12	3,173,987.00	2,985,788.00
OTHER INCOME	13	27,913,511.00	20,447,954.00
PRIOR PERIOD INCOME	14	78,391.00	492.00
TOTAL(A)		1,340,493,563.82	727,588,591.56
<u>EXPENDITURE</u>			
STAFF PAYMENT & BENEFITS (ESTABLISHMENT EXPENSES)	15	514,991,932.00	490,357,380.00
ACADEMIC EXPENSES	16	86,037,041.00	96,480,915.00
ADMINISTRATIVE AND GENERAL EXPENSES	17	74,546,246.38	65,152,907.00
TRANSPORTATION EXPENSES	18	3,599,231.00	2,906,070.00
REPAIR & MAINTENANCE	19	50,527,443.00	55,889,723.00
FINANCE COSTS	20	2,814.42	4,201.00
DEPRECIATION	4	109,602,533.83	110,208,470.01
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
TOTAL (B)		839,307,241.63	820,999,666.01
Balance being excess of Income over Expenditure (A-B)		501,186,322.19	(-)93,411,074.45
Transfer to /from Designated Fund		0.00	96,814,752.70
Building Fund			
Others (specify)		-----	-----
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CAPITAL FUND		501,186,322.19	-190,225,827.15
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	24		

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

REGISTRAR
NIT HAMIRPUR (HP)

DIRECTOR
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2019

(Amount--Rs.)

		Current Year		Previous year	
SCHEDULE 1. CORPUS/ CAPITAL FUND :					
Balance as at the beginning of the year			3,186,569,811.89		3,042,022,831.53
Add : Contribution towards Corpus/Capital fund	0.00			12,000,000.00	
Add: Grants from UGC, Government of India and State Government to the extent utilized for capital expenditure	443,500,000.00			440,000,000.00	
Add: Assets Purchased out of Earmarked Funds	0.00			0.00	
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution	0.00			4,497,299.00	
Add: Assets Donated/Gifts Received	0.00			0.00	
Add: Other Additions (Interest on Corpus fund)	0.00			0.00	
Add: Excess of Income over expenditure transferred from the Income & Expenditure Account	501,186,322.19			-190,225,827.15	
Less: Amount of deposit being tfd a corpus account tfd back	0.00			121,724,491.49	
Add: Amount of Income of PY parked in Deposit tfd	96,814,752.70				
Add: Depreciation excess Charged PY	8,200,538.00				
Total			1,049,701,612.89		144,546,980.36
(Deduct) Deficit transferred from the Income & expenditure Account			0.00		0.00
BALANCE AS AT THE YEAR -- END			4,236,271,424.78		3,186,569,811.89

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2019

	Current year		Previous Year		
SCHEDULE 1 B. CORPUS :					
Balance as at the beginning of the year		643,677,203.20			479,198,981.50
Add : Contribution towards corpus	6,000,000.00		18,000,000.00		
Add: Grants from UGC, Government to the extent utilized for capital expenditure	0.00		0.00		
Add: Assets purchased out of corpus funds	0.00		0.00		
Add: Other additions (interest on corpus fund + PY contribution of excess income)	227,078,506.94		49,663,469.00		
Add: Appropriation of excess/loss in income & expenditure account for corpus funds	0.00		96,814,752.70		
Total		233,078,506.94			164,478,221.70
(Deduct) deficit transferred from the income & expenditure account		0.00			
BALANCE AS AT THE YEAR -END					643,677,203.20
		876,755,710.14			

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2019

(Amount--Rs.)

SCHEDULE 2 - DESIGNATED/ EARMARKED / ENDOWMENT FUNDS	Fund Wise Breakup				Total	
	Pension Fund	Fund BBB	Fund CCC	Endowment Funds	Current Year	Previous Year
A.						
a) Opening balance	25,372,172.08				25,372,172.08	21,948,598.08
b) Additions during the year	7,501,943.00				7,501,943.00	3,394,104.00
c) Income from investments made of the funds	0.00				0.00	0.00
d) Accrued Interest on investments/Advances	0.00				0.00	0.00
e) Interest on Savings Bank a/c	0.00				0.00	29,470.00
f) Other additions (Specify nature	0.00				0.00	0.00
Total (A)	32,874,115.08				32,874,115.08	25,372,172.08
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
Total (B)	0.00				0.00	0.00
Closing balance at the yearend (A - B)	32,874,115.08	0.00		0.00	32,874,115.08	25,372,172.08

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
									10. Endowment	11. Accumulated interest	(10+11)
		3. Endowment	4. Accumulated Interest	5. Endowment	6. Interest	7. Endowment (3+5)	8. Accumulated Interest (4+6)				
Total											

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2019

(Amount--Rs.)

	Current Year		Previous Year
<u>SCHEDULE 3-CURRENT LIABILITIES AND PROVISIONS</u>			
<u>A. CURRENT LIABILITIES</u>			
1. Deposits from staff (TWS)	11,782.00		11,782.00
2. Deposits from students			
College Caution Money	5,338,350.00		4,684,600.00
Hostel Caution Money	4,886,611.50		4,499,361.50
Library Security	9,106,950.00		8,391,450.00
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)	248,711,925.87		257,965,306.48
5. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS):	76,838.00	268,132,457.37	15,992.00 275,568,491.98
Total (A)			
B) Others			
6. Other Current Liabilities			
a) Salaries	36,642,816.00		29,998,381.00
b) Receipts against sponsored projects	43,642,165.85		51,914,913.49
c) Receipts against sponsored fellowships & scholarships	3,416,570.00		5,959,720.00
d) Unutilized Grants	0.00		0.00
e) Grants in advance	0.00		0.00
f) Other funds	12,829,131.00		10,212,079.00
g) Other liabilities	0.00		0.00
h) Fees received in advance	60,950,000.00		154,189,188.95
i) Outstanding Liability UNI	365,353.00		365,353.00
j) Interest on project Grant payable	11,535,815.23		11,522,615.83

k) Extra Curricular Activities	37,323,781.10		31,870,283.10	
l) Medical Expenses	0.00		0.00	
m) Legal Fees	0.00		44,500.00	
n) Other Misc	0.00		0.00	
o) Security Charges	3,035,583.00		3,031,595.00	
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	
Children Education allowances	4,491,000.00		0.00	
t) Maintenance of Equipment	0.00		35,990.00	
u) Maintenance of Building	3,950.00		3,230,451.00	
Wages	0.00		25,917.00	
v) Convocation	0.00		.00	
NDCPS	1,065,842.00		779,365.00	
Hostel furniture account payable	0.00	215,302,007.18	1,491,220.00	304,671,572.37
<u>TOTAL (A)</u>		483,434,464.55		580,240,064.35
<u>B. PROVISIONS</u>				
1. For Taxation	0.00		0.00	
2. Gratuity	2,769,872.00		0.00	
3. Superannuation Pension	5,408,102.00		1,869,550.00	
4. Accumulated Leave Encashment	1,716,960.00		0.00	
5. Trade Warranties/Claims	0.00		0.00	
6. Others (Specify)	0.00		0.00	
Auditors remuneration payable	355,123.00		3,50,000.00	
Consultancy charges payable	180,000.00		168,000.00	
Telephone charges payable	9,130.00		9,822.00	
Electricity charges payable	1,037,565.00		784,139.00	
Entertainment Expenses	1,966,916.00		0.00	
Cleaning and Maintenance	2,611,556.00		2,720,690.00	
Water Charges	1,394,186.00		992,625.00	
Stationery expenses	3,499.00		1,593.00	
Departmental operating cost	7,552.00		0.00	

Examination expenses	24,000.00		0.00
Scholarship	65,436.00		0.00
TA	2,107.00		30,994.00
Provision for contingency, other work & Equipment	42,386.00		419,129.00
	0.00		1,126,004.00
Bonus		17,594,390.00	8,472,546.00
<u>TOTAL</u> (B)		17,594,390.00	8,472,546.00
<u>TOTAL</u> (A+B)		501,028,854.55	588,712,610.35

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

SCHEDULE - 3 (a) SPONSORED PROJECTS

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
Total								

SCHEDULE 3 (b) SPONSORED FELLOWSHIPS AND SCHOLARSHIPS

1.Sr. No.	2. Name of Sponsor	Amount in Rupees					
		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)						
Total							

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

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

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

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2019

SCHEDULE-4

S. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	31/03/2019
1	Land	44,20,551.00	0.00	0.00	4,420,551.00	0.00	0.00	0.00	0.00	4,420,551.00	4,420,551.00
	Site										
2	Development	67,315,653.30	4,950,855.00	0.00	72,266,508.30	55,314,289.00	0.00	0.00	55,314,289.00	16,952,219.30	12,001,364.30
3	Buildings	2,951,654,374.24	0.00	0.00	2,951,654,374.24	806,535,854.13	59,033,087.48	0.00	865,568,941.61	2,086,085,432.63	2,145,118,520.11
	Roads &										
4	Bridges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Tube wells&										
5	Water Supply I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sewerage &										
6	Drainage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Electrical										
	Installation and										
7	equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Plant &										
8	Machinery	451,683,511.52	7,843,746.52	0.00	459,527,258.04	319,468,115.25	22,976,362.90	0.00	342,444,478.15	117,082,779.89	132,215,396.27
	Scientific &										
	Laboratory										
9	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Office										
10	Equipment	17,572,251.85	999,592.00	0.00	18,571,843.85	11,840,962.41	1,392,888.29	0.00	13,233,850.70	5,337,993.15	5,731,289.44
	Audio Visual										
11	Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Computers &										
12	Peripherals	24,740,775.00	0.00	0.00	24,740,775.00	32,663,294.52	4,948,155.00	0.00	37,611,449.52	-12,870,674.52	-7,922,519.52
	Furniture,										
	Fixtures &										
13	Fittings	109,340,507.04	771,315.00	0.00	110,111,822.04	73,313,720.50	8,258,386.65	8,200,538.00	73,371,569.15	36,740,252.89	36,026,786.54
14	Vehicles	8,742,177.00	0.00	0.00	8,742,177.00	6,755,902.72	874,217.70	0.00	7,630,120.42	1,112,056.58	1,986,274.28

15	Lib. Books & Scientific Journals	50,498,393.06	58,757.00	0.00	50,557,150.06	53,004,345.82	5,055,715.01	0.00	58,060,060.83	-7,502,910.77	-2,505,952.77
16	Small Value Assets	76,083.00	26,978.00	0.00	103,061.00	76,083.00	0.00	0.00	76,083.00	26,978.00	0.00
	Total(A)	3,686,044,277.01	14,651,243.52	0.00	3,700,695,520.53	1,358,972,567.35	102,538,813.03	8,200,538.00	1,453,310,842.38	2,247,384,678.15	2,327,071,709.65
					1,020,219,895.00						
	Capital Work in Progress (B)	596,925,251.00	428,245,499.00	4,950,855.00						1,020,219,895.00	596,925,251.00
									TOTAL	3,267,604,573.15	2,923,996,960.65
S. No.	Intangible Assets	Opening Balance	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Amortization for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	31/03/2018
-	Computer Software E-Journals Patent	0.00	17,659,302.00		17,659,302.00		7,063,720.80		7,063,720.80	10,595,581.20	
	TOTAL C	0.00	17,659,302.00	0.00	17,659,302.00		7,063,720.80		7,063,720.80	10,595,581.20	
	Grand Total (A+B+C)				4,738,574,717.53	1,358,972,567.35	109,602,533.83	8,200,538.00	1,460,374,563.18	3,278,200,154.35	2,923,996,960.65

SCHEDULE 4A PLAN

S. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	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	4,950,855.00	0.00	72,266,508.30	55,314,289.00	0.00	0.00	55,314,289.00	16,952,219.30	12,001,364.30
3	Buildings	2,951,654,374.24	0.00	0.00	2,951,654,374.24	806,535,854.13	59,033,087.48	0.00	865,568,941.61	2,086,085,432.63	2,145,118,520.11
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	451,683,511.52	7,843,746.52	0.00	459,527,258.04	319,468,115.25	22,976,362.90	0.00	342,444,478.15	117,082,779.89	132,215,396.27
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	17,572,251,85.60	999,592.00	0.00	18,571,843.85	11,840,962.41	1,392,888.29	0.00	13,233,850.70	5,337,993.15	5,731,289.44
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	32,663,294.52	4,948,155.00	0.00	37,611,449.52	-12,870,674.52	-7,922,519.52
13	Furniture, Fixtures & Fittings	109,340,507.04	771,315.00	0.00	110,111,822.04	73,313,720.50	8,258,386.65	8,200,538.00	73,371,569.15	36,740,252.89	36,026,786.54
14	Vehicles	8,742,177.00	0.00	0.00	8,742,177.00	6,755,902.72	874,217.70	0.00	7,630,120.42	1,112,056.58	1,986,274.28
15	Lib. Books & Scientific Journals	50,498,393.06	58,757.00	0.00	50,557,150.06	53,004,345.82	5,055,715.01	0.00	58,060,060.83	-7,502,910.77	-2,505,952.77
16	Small Value Assets	76,083.00	26,978.00	0.00	103,061.00	76,083.00	0.00	0.00	76,083.00	26,978.00	0.00
	Total(A)	3,686,044,277.01	14,651,243.52	0.00	3,700,695,520.53	1,358,972,567.35	102,538,813.03	8,200,538.00	1,453,310,842.38	2,247,384,678.15	2,327,071,709.65
	Capital Work in Progress (B)	596,925,251.00	428,245,499.00	4,950,855.00	1,020,219,895.00					1,020,219,895.00	596,925,251.00

S. No.	Intangible Assets	Opening Balance 01/04/2018	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Amortization for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	31/03/2018
-	Computer Software	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	E-Journals		17,659,302.00	0.00	17,659,302.00		7,063,720.80	0.00	7,063,720.80	10,595,581.20	0.00
	Patent	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00
	TOTAL C	0.00	17,659,302.00	0.00	17,659,302.00		7,063,720.80	0.00	7,063,720.80	10,595,581.20	0.00
	Grand Total (A+B+C)				4,738,574,717.53	1,358,972,567.35	109,602,533.83	8,200,538.00	1,460,374,563.18	3,278,200,154.35	2,923,996,960.65
	Grand Total (A+B+C)										

SCHEDULE 4B NON-PLAN

S. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance 01/04/2018	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	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	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Amortization for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	31/03/2018
	Patent										
	TOTAL C										
	Grand Total (A+B+C)										

SCHEDULE 4 C -INTANGIBLE ASSETS

S. No.	Intangible Assets	Opening Balance	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Amortization for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	31/03/2018
-	Patents & Copyrights Computer Software E- Journals										
	TOTAL C										

SCHEDULE 4 C (i)-PATENTS AND COPYRIGHTS

Particulars	Opening Balance 01/04/2018	Additions	Gross	Amortization	Net Block 31/03/2019	Net Block 31/03/2018
A. Patents Granted						
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						
Total						
Particulars	Opening Balance 01/04/2018	Additions	Gross	Patents Granted/ rejected	Net Block 31/03/2019	Net Block 31/03/2018
B. Patents Pending in respect of Patents applied for						
1 Expenditure incurred during 2009-10 to 2011-12						
2 Expenditure incurred during 2012-13						
3 Expenditure incurred during 2013-14						
Total						
C. Grand Total (A+B)						

SCHEDULE 4D OTHERS

Sr. No.	Assets Heads	GROSS BLOCK				DEPRECIATION FOR THE YEAR				NET BLOCK (WDV)	
		Opening Balance 01/04/2018	Additions	Deductions	Closing Balance	Depreciation Opening Balance	Depreciation for the year	Deductions / Adjustment	Total Depreciation	31/03/2019	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)										
	Grand Total										

Note: The additions during the Year include additions from:

Gifted

Earmarked Funds

Sponsored Projects

Own Funds

Total

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

SCHEDULE 5 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS

Amount in Rupees

	Current Year	Previous Year
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)		
Total		

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

Amount in Rupees

Sl. No.	Funds	Current Year	Previous Year
	Endowment Fund Investments		
	Total		

SCHEDULE 6 -INVESTMENTS- OTHERS		Amount in Rupees	
		Current Year	Previous Year
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)			
	Total		

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2019

SCHEDULE 7 - CURRENT ASSETS	-	Current Year		Previous Year	(Amount-Rs)
1. Stock:					
a) Stores and Spares		0.00		1,069,882.00	
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	0.00	0.00	1,069,882.00
2. Sundry Debtors:					
a) Debts Outstanding for a period exceeding six months		0.00		0.00	
b) Others		0.00	0.00	0.00	0.00
3. Cash and Bank Balances					
a) With Scheduled Banks:					
Cash In Hand		407,025.05		142,434.05	
Current Account/Grant in Transit		0.00		0.00	
Fixed Deposit		1,976,689,045.70		1,250,717,976.78	
Saving Account Main Account		268,385,815.27		169,930,117.85	
Saving Account Secrecy Fund		106,817.94		1,37,577.94	
b) With non-Scheduled Banks:					
In term deposit Accounts		0.00		0.00	
In Savings Accounts		0.00		0.00	
4. Post Office- Savings Accounts			2,245,588,703.96		1,420,928,106.62
TOTAL			2,245,588,703.96		1,421,997,988.62

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31/03/2019

		(Amount-Rs)		
SCHEDULE 8- LOANS, ADVANCES & DEPOSITS		Current Year		Previous Year
1. Advances to employees: (Non-interest bearing)				
a) Salary	0.00		0.00	
b) Festival	0.00		0.00	
c) Medical Advance	0.00		504,000.00	
d) Other (to be specified)	0.00	0.00	0.00	504,000.00
2. Long Term Advances to employees: (Interest bearing)				
a) Vehicle loan	0.00		0.00	
b) Home loan	0.00		0.00	
c) Others (to be specified)	3,599,298.00	3,599,298.00	3,347,758.00	3,347,758.00
3. Advances and other amounts recoverable in cash or in kind or for value to be received:				
a) On Capital Account	71,800,490.24		71,801,767.24	
b) to Suppliers	0.00		0.00	
c) Others	0.00	71,800,490.24	0.00	71,801,767.24
4. Prepaid Expenses				
a) Insurance				
b) Other expenses				
5. Deposits				
a) Telephone '	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
6. Income Accrued:				
a) On Investments from Earmarked/ Endowment Funds	0.00		0.00	
b) On Investments-FDR	47,588,860.00		21,996,120.00	
c) On Loans and Advances	0.00		0.00	
d) Others (includes income due unrealized) Saving Bank	0.00	47,588,860.00	82,217.00	22,078,337.00
7. Other- Current assets receivable from UGC/sponsored projects				
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
8. Claims Receivable				
Misc Income	25,426.00		0.00	
License Fees	108,970.00		251,699.00	
Garage Rent	5,320.00		5,380.00	
Interest on loan & Advances from Staff	8,800.00		14,807.00	
Income received from Forest Department	0.00		298,000.00	
Rent from Guest House	2,250.00		35,100.00	
Rent from Shop	1,832.00	1,52,598.00	0.00	604,986.00
TOTAL		123,141,246.24		98,336,848.24

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NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2019

SCHEDULE 9- ACADEMIC RECEIPT		(Amount-Rs)	
		Current Year	Previous Year
FEES FROM STUDENTS			
Academic			
1. Tuition fee		261,675,185.37	162,883,912.00
2. Admission fee		749,500.00	331,500.00
3. Enrolment fee		0.00	0.00
4. Library Admission fee		390,500.00	283,950.00
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
Total (A)		262,815,185.37	163,499,362.00
Examinations			
1. Admission test fee		0.00	0.00
2. Annual Examination fee		3,659,500.00	3,651,340.94
3. Mark sheet, certificate fee		152,000.00	65,900.00
4. Entrance examination fee		0.00	0.00
5. Supplementary fee		2,181,472.95	1,048,189.00
6. Ph.D. Thesis submission		292,500.00	0.00
Total (B)		6,285,472.95	4,765,429.94
Other Fees			
1. Identity card fee		76,050.00	0.00
2. Fine/ Miscellaneous fee		0.00	0.00
3. Medical fee		1,300,425.00	818,850.00
4. Transportation fee		0.00	0.00

5. Hostel fee	0.00	0.00
6. Grade Card Fee	621,662.50	579,400.00
7. Common Facility Fee	1,734,100.00	1,120,200.00
Total(C)	3,732,237.50	2,518,450.00
Sale of Publications		
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
Total (D)	0.00	0.00
Other Academic Receipts		
1. Registration fee for workshops, programmes	0.00	0.00
2. Registration fees (Academic Staff College)	0.00	0.00
Total (E)	0.00	0.00
GRAND TOTAL (A+B+C+D+E)	272,832,895.82	170,783,241.94

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NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)

SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2019

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	21,642,000.00	0.00	0.00	0.00	-18,057,777.37	3,584,222.63	6,443,222.63
Add: Receipts during the year	443,500,000.00	0.00	0.00	443,500,000.00	992,868,000.00	1,436,368,000.00	935,200,000.00
Total	465,142,000.00	0.00	0.00	465,142,000.00	974,810,222.63	1,439,952,222.63	941,643,222.63
Less: Refund to UGC	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balance	465,142,000.00	0.00	0.00	465,142,000.00	974,810,222.63	1,439,952,222.63	941,643,222.63
Less: Utilized for Capital expenditure (A)	457,346,000.00	0.00	0.00	457,346,000.00	0.00	457,346,000.00	265,666,000.00
Balance	7,796,000.00	0.00	0.00	7,796,000.00	974,810,222.63	982,606,222.63	675,977,222.63
Less: utilized for Revenue Expenditure (B)	0.00	0.00	0.00	0.00	697,150,000.00	697,150,000.00	672,393,000.00
Balance C/F (C)	7,796,000.00	0.00	0.00	7,796,000.00	277,660,222.63	285,456,222.63	3,584,222.63

ASSISTANT REGISTRAR (A&F)
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SCHEDULE 11- INCOME FROM INVESTMENTS**Amount in Rupees**

Particulars	Earmarked/ Endowment Fund		Other Investments	
	Current Year	Previous Year	Current Year	Previous Year
1. Interest	-		-	
a. On Government Securities	-		-	
b. Other Bonds/Debentures	-		-	
2. Interest on Term Deposits	0.00	0.00	43,626,779.00	38,171,115.62
3. Income accrued but not due on Term Deposits/Interest bearing advances to employees	-		-	
4. Interest on Savings Bank Accounts	-		-	
5. Others (Specify)	-		-	
TOTAL	0.00	0.00	43,626,779.00	38,171,115.62
Transferred to Earmarked/Endowment Funds				
Balance				

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SCHEDULE 12- INTEREST EARNED		(Amount-Rs)	
Particulars	Current Year	Previous Year	
1 On Savings Accounts With Schedule Bank	3,044,099.00	2,784,223.00	
2 On Loans:			
a) Employees/Staff	129,888.00	201,565.00	
b) Others	0.00	0.00	
3. On Debtors and Other Receivables	0.00	0.00	
<u>TOTAL</u>	3,173,987.00	2,985,788.00	

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SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2019

SCHEDULE 13-OTHER INCOME**(Amount-Rs)**

		Current Year		Previous Year	
A. Income from Land & Buildings	-				
1. Hostel Room Rent	-	12,789,250.00		8,319,000.00	
2. License fee	-	1,965,697.00		3,369,706.00	
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc	-	353,074.00		273,645.00	
4. Electricity charges recovered	-	269,261.00		0.00	
5. Water charges recovered	-	280,072.00		791,034.00	
6. Rent from Guest House	-	544,800.00		734,150.00	
7. Rent from Garage	-	66,299.00		47,985.00	
Total		16,268,453.00	16,268,453.00	13,535,520.00	13,535,520.00
B. Sale of Institute's publications	-		0.00	0.00	0.00
	-				
C. Income from holding events	-				
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	
Total		0.00	0.00	0.00	0.00
D. Others	-				

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, tree etc.)		10,814,229.00		5,929,408.00	
6. Profit on Sale/disposal of Assets		281,829.00		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		549,000.00		983,026.00	
10. Charges for use of transport		0.00		0.00	
	Total	11,645,058.00	11,645,058.00	6,912,434.00	6,912,434.00
Grand Total (A+B+C+D)			27,913,511.00		20,447,954.00

SCHEDULE 14- PRIOR PERIOD INCOME

Amount In Rupees

Particulars		Current Years	Previous Year
1. Academic Receipts		0.00	0.00
2. Income from Investments		0.00	0.00
3. Interest earned		100.00	492.00
4. Other Income		78,291.00	0.00
Total		78,391.00	492.00

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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	394,817,799.00	394,817,799.00	0.00	417,744,922.00	417,744,922.00
b) Allowances and Bonus	0.00	0.00	0.00	0.00	1,691,812.00	1,691,812.00
c) Contribution to Pension Fund	0.00	11,469,342.00	11,469,342.00	0.00	0.00	0.00
d) Contribution to Other Fund (NPS)	0.00	0.00	0.00	0.00	10,067,110.00	10,067,110.00
e) Staff Welfare Expenses	0.00	582,867.00	582,867.00	0.00	263,373.00	263,373.00
D Retirement and Terminal Benefits	0.00	84,424,167.00	84,424,167.00	0.00	46,967,755.00	46,967,755.00
g) LTC facility	0.00	2,404,454.00	2,404,454.00	0.00	7,170,441.00	7,170,441.00
h) Medical facility	0.00	3,746,209.00	3,746,209.00	0.00	3,614,546.00	3,614,546.00
i) Children Education Allowance	0.00	5,720,906.00	5,720,906.00	0.00	2,837,421.00	2,837,421.00
j) Honorarium	0.00	0.00	0.00	0.00	0.00	0.00
I) Others (specify) Professional development allowance	0.00	969,352.00	969,352.00	0.00	0.00	0.00
Overtime Drivers	0.00	0.00	0.00	0.00	0.00	0.00
Leave Encashment	0.00	10,856,836.00	10,856,836.00	0.00	0.00	0.00
TOTAL	0.00	514,991,932.00	514,991,932.00	0.00	490,357,380.00	490,357,380.00

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

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 31.03 c (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				
Total (A+B+C+D+E)				

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2019

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	0.00	0.00
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	36,754.00	36,754.00	0.00	547,654.00	547,654.00
d) Payment to visiting faculty .	0.00	0.00	0.00	0.00	0.00	0.00
e) Examination	0.00	992,043.00	992,043.00	0.00	2,079,977.00	2,079,977.00
f) Student Welfare expenses	0.00	581,242.00	581,242.00	0.00	384,866.00	384,866.00
g) Admission expenses --	0.00	0.00	0.00	0.00	0.00	0.00
h) Convocation expenses	0.00	1,262,992.00	1,262,992.00	0.00	0.00	0.00
i) Publications	0.00	157,364.00	157,364.00	0.00	11,301,388.00	11,301,388.00
j) Stipend/means-cum-merit scholarship	0.00	80,527,748.00	80,527,748.00	0.00	79,618,340.00	79,618,340.00
k) Subscription Expenses	0.00	0.00	0.00	0.00	0.00	0.00
l) Others (specify) academic expenses	0.00	2,318,898.00	2,318,898.00	0.00	2,388,690.00	2,388,690.00
m) Accreditation to AICTE Expenses	0.00	160,000.00	160,000.00	0.00	160,000.00	160,000.00
Total	0.00	86,037,041.00	86,037,041.00	0.00	96,480,915.00	96,480,915.00

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)

SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2019

SCHEDULE 17- ADMINISTRATIVE AND GENERAL EXPENSES

	Current Year			Previous Year		
	Plan	Non-Plan	Total	Plan	Non-Plan	Total
-						
A Infrastructure						
a) Electricity and power	0.00	13,312,357.00	13,312,357.00	0.00	11,350,258.00	14,593,815.00
b) Water charges	0.00	3,908,870.00	3,908,870.00	0.00	3,243,557.00	
c) Insurance	0.00	0.00	0.00	0.00		
d) Rent, Rates and Taxes (including property tax)	0.00	250,000.00	250,000.00	0.00		
B Communication						
e) Postage and Stationery	0.00	237,701.00	237,701.00	0.00	1,173,075.00	1,354,094.00
f) Telephone, Fax and Internet Charges	0.00	142,192.00	142,192.00	0.00	181,019.00	
C Others						
g) Printing and Stationery (consumption)	0.00	1,570,662.00	1,570,662.00	0.00	1,132,460.00	
h) Travelling and Conveyance Expenses	0.00	5,540,183.00	5,540,183.00	0.00	1,707,463.00	49,204,998.00
i) Hospitality .	0.00	0.00	0.00	0.00	880,439.00	
j) Auditors Remuneration	0.00	300,000.00	300,000.00	0.00	16,280.00	
k) Professional Charges	0.00	170,204.00	170,204.00	0.00	78,000.00	
l) Advertisement and Publicity	0.00	3,807,270.00	3,807,270.00	0.00	307,718.00	
m) Magazines & Journals	0.00	0.00	0.00	0.00	0.00	
n) Others Misc Administrative expenses	0.00	11,670,076.00	11,670,076.00	0.00	2,856,545.00	
o) Security Charges	0.00	27,333,140.00	27,333,140.00	0.00	37,916,123.00	
p) Legal expenses	0.00	2,667,035.00	2,667,035.00	0.00	1,125,400.00	
q) Departmental operating cost	0.00	3,636,556.38	3,636,556.38		3,184,570.00	
Total	0.00	74,546,246.38	74,546,246.38	0.00		65,152,907.00

SCHEDULE 18-TRANSPORTATION EXPENSES

Amount in Rupees

Particulars		Current Year			Previous Year		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total
							0.00
1 Vehicles (owned by institution)							0.00
a) Running expenses		0.00	1,593,623.00	1,593,623.00	0.00	727,103.00	727,103.00
b) Repairs & maintenance		0.00	1,875,772.00	1,875,772.00	0.00	1,909,492.00	1,909,492.00
c) Insurance expenses		0.00	129,836.00	129,836.00	0.00	269,475.00	269,475.00
2 Vehicles taken on rent/lease		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
3 Vehicle (Taxi) hiring expenses		0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	3,599,231.00	3,599,231.00	0.00	2,906,070.00	2,906,070.00

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P.)**SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2019****SCHEDULE 19- REPAIR & MAINTENANCE**

Amount in Rupees

Particulars		Current Year			Previous Year		
		Plan	Non-Plan	Total	Plan	Non-Plan	Total
a) Buildings		15,848,949.00	0.00	15,848,949.00	24,865,238.00	0.00	24,865,238.00
b) Furniture & Fixtures		171,685.00	0.00	171,685.00	4,800.00	0.00	4,800.00
c) Plant & Machinery		2,727,893.00	0.00	2,727,893.00	3,697,547.00	0.00	3,697,547.00
d) Office Equipment		0.00	0.00	0.00	1,137,080.00	0.00	1,137,080.00
e) Computers		0.00	0.00	0.00	0.00	0.00	0.00

f) Laboratory & Scientific equipment	0.00	0.00	0.00	153,965.00	0.00	153,965.00
g) Audio Visual equipment	0.00	0.00	0.00	0.00	0.00	0.00
h) Cleaning Material & Services	16,206,595.00	0.00	16,206,595.00	16,079,773.00	0.00	16,079,773.00
i) Book binding charges	0.00	0.00	0.00	0.00	0.00	0.00
j) Gardening	6,634,673.00	0.00	6,634,673.00	0.00	0.00	0.00
k) Estate Maintenance	2,156,693.00	0.00	2,156,693.00	0.00	0.00	0.00
l) Others Water supply	1,938,304.00	0.00	1,938,304.00	4,164,359.00	0.00	4,164,359.00
m) Road	1,056,548.00	0.00	1,056,548.00	1,534,439.00	0.00	1,534,439.00
n) Street light	795,800.00	0.00	795,800.00	1,787,814.00	0.00	1,787,814.00
o) Oxidation Pond	2,990,303.00	0.00	2,990,303.00	2,464,708.00	0.00	2,464,708.00
p) Maintenance of Entrance Flayer In Admin Block	0.00	0.00	0.00	0.00	0.00	0.00
Total	50,527,443.00	0.00	50,527,443.00	55,889,723.00	0.00	55,889,723.00

**ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)**

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	2,814.42	2,814.42	0.00	4,201.00	4,201.00
b) Others (specify)	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	2,814.42	2,814.42	0.00	4,201.00	4,201.00

**ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)**

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
SCHEDULE FORMING PART OF INCOME & EXPENDITURE FOR THE PERIOD/YEAR ENDED 31/03/2019

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
Total	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
Total	0.00	0.00	0.00	0.00	0.00	0.00

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

NATIONAL INSTITUTE OF TECHNOLOGY, HAMIRPUR (H.P)
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD/YEAR ENDED 31/03/2019
(Amount-Rs)

RECEIPTS	CURRENT YEAR	PREVIOUS YEAR		PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
I. Opening Balances				1. Expenses		
a} Cash Balances	142,434.05	733,591.05		a} Establishment Expenses	467,107,237.00	467,957,822.00
b) Bank Balance				b) Academic Expenses	89,091,325.38	103,577,840.00
In Current accounts				c) Administrative Expenses	98,747,953.42	70,601,917.00
In Deposit Accounts	169,930,117.85	198,829,310.61		d) Transportation Expenses	0.00	0.00
Savings accounts	1,250,717,976.78	994,766,272.00		e) Repairs & Maintenance	56,664,345.00	72,999,998.00
				f) Prior period expenses	0.00	0.00
				g) Student curricular Activities	3,570,577.00	830,462.00
II. Grants Received				II. Payments against		
a} From Government of India	1,436,368,000.00	935,200,000.00		Earmarked/Endowment Funds		
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				III. Payments against Sponsored		
	272,756,845.82	170,783,241.94		Projects/Schemes		
IV. Receipts against				IV. Payments against		
Earmarked/Endowment Funds				Sponsored		
				Fellowships/Scholarships		
V. Receipts against Sponsored				V. Investments and Deposits		
Projects/Schemes				made		
				a} Out of		
				Earmarked/Endowments funds		
				b) Out of own funds		
				(Investments- Others		
VI. Receipts against sponsored				VI. Term Deposits with		
Fellowships				Scheduled Banks		

Scholarships						
VII. Income on Investments from				VII. Expenditure on Fixed Assets and capital WIP		
a} Earmarked/Endowment funds				b) Other investments a} Fixed Assets	457,346,409.52	266,468,718.00
b) Other investments				b) Capital Works- in- Progress		
VIII. Interest received on				VIII. Other Payments including statutory payments		
a) Bank Deposits	18,034,039.00	43,251,363.62				
b) Loans and Advances	135,995.00	205,958.00				
c) Savings Bank Accounts	3,121,356.00	2,821,277.00				
d) Project grant	12,596.00	1,586,614.00				
IX. Investments encashed				IX. Refunds of Grants		
X. Term Deposits with Scheduled Banks encashed				X. Deposits, Advances and Stock	433,260,751.60	417,178,609.70
XI. Other income (including Prior Period Income)	28,078,063.00	20,404,581.00		XI. Other Payments	0.00	0.00
XII. Deposits, Advances and Stock	662,872,936.44	451,823,686.16		XII. Closing balances		
Student Curricular Activities Receipt	9,100,125.00			a) Cash in hand	407,025.05	142,434.05
				b) Bank balances		
				In Current Accounts		
				In Savings Accounts	268,385,815.27	169,930,117.85
				In Deposit Accounts	1,976,689,045.70	1,250,717,976.78
XIII. Miscellaneous Receipts including Statutory Receipts						
XIV. Any Other Receipts	0.00	0.00				
TOTAL	3,851,270,484.94	2,820,405,895.38		TOTAL	3,851,270,484.94	2,820,405,895.38

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

REGISTRAR
NIT HAMIRPUR (HP)

DIRECTOR
NIT HAMIRPUR (HP)

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: Depreciation on E-Journals have been chares separately.

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 31st 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 31st 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 31.3.2019 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. Schedules 1 to 24 are annexed to and form an integral part of the Balance Sheet at 31st March 2017 and the Income & Expenditure account for the year ended on that date.
7. Schedules 1 to 24 are annexed to and form an integral part of the Balance sheet at 31st March 2019 and the Income & 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 1/4/2018 TO 31/3/2019

PREVIOUS YEARS (Rs.)	RECEIPTS HEAD OF ACCOUNT	AMOUNT (Rs.)
325,958,066.82	CASH IN BANK	352,651,295.82
53,711,900.00	SUBSCRIPTION	61,466,654.00
1,308,900.00	REFUND OF ADVANCE	2,368,600.00
35,962,677.00	BANK INTEREST	30,334,658.00
<u>416,941,543.82</u>		<u>446,821,207.82</u>
	PAYMENT	
2,980,000.00	TEM. ADVANCE TO STAFF	3,049,000.00
61,310,248.00	WITHDRAWAL	42,503,026.00
0.0	BANK CHARGES	0.00
352,651,295.82	CLOSING BANK BALANCE	401,269,181.82
<u>416,941,543.82</u>		<u>446,821,207.82</u>
ASSISTANT REGISTRAR (A&F) 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 1/4/2018 TO 31/3/2019

PREVIOUS YEARS (Rs.)	RECEIPTS HEAD OF ACCOUNT	AMOUNT (Rs.)
26,000,287.00	Interest credited to the Subscribers accounts Bank Charges	28,062,437.00 0.00
7,801,944.12	Excess of + Income/-loss	1,363,130.88
<u>33,802,231.12</u>		<u>29,425,567.88</u>
	INCOME	
	Income from Investment	
35,962,677.00	Bank Interest received	30,334,658.00
17,527,793.12	Add: Interest due for 2017-18	16,618,703.00
<u>19,688,239.00</u>	Less : Due of year 2016-17	<u>17,527,793.12</u> 29,425,567.88
<u>33,802,231.12</u>		
<u>33,802,231.12</u>		<u>29,425,567.88</u>
ASSISTANT REGISTRAR (A&F) 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 31/3/2019

PREVIOUS YEARS (Rs.)	HEAD OF ACCOUNT	AMOUNT (Rs.)
	LIABILITIES	
	Subscription Account (PF Contribution)	
436,449,244.55	Upto 2018	490,161,144.55
53,711,900.00		61,466,654.00
490,161,144.55		551,627,798.55
	Add: Interest	
178,631,789.45	Upto 2018	204,651,917.45
26,020,128.00	During the year	28,062,437.00
204,651,917.45		232,714,354.45
	Less : Withdrawal	
276,564,108.00	upto 2018	337,874,356.00
61,310,248.00	During the year	42,503,026.00
337,874,356.00		380,377,382.00
		403,964,771.00
356,938,706.00		
	Income & Expenditure Account	
7,817,594.82	upto 2018	15,599,697.94
7,782,103.12	During the year	1,363,130.88
15,599,697.94		16,962,828.82
372,538,403.94		420,927,599.82
	ASSETS	
	Temporary Advance	
32,982,048.00	upto 2018	35,962,048.00
2,980,000.00	During the year	3,049,000.00
35,962,048.00		39,011,048.00
	Less : Refund	
32,293,833.00	upto 2018	33,602,733.00
1,308,900.00	During the year	2,368,600.00
33,602,733.00		35,971,333.00
2,359,315.00		3,039,715.00
	Bank Interest Accrued	
19,688,239.00	Opening Balance	17,527,793.12
17,527,793.12	Add : (C-Year accrued)	16,618,703.00
37,216,032.12		34,146,496.12
19,688,239.00	Less : Interest received on Maturity	17,527,793.12
17,527,793.12		16,618,703.00
352,651,295.82	Closing Balance Bank	401,269,181.82
372,538,403.94		420,927,599.82

ASSISTANT REGISTRAR (A&F)
NIT HAMIRPUR (HP)

REGISTRAR
NIT HAMIRPUR (HP)

DIRECTOR
NIT HAMIRPUR (HP)

List of Assets Purchase during the year 2018-19 in Construction & Maintenance Section, NIT, Hamirpur (HP).**"Annexure-B"**

Sr.No	Name of Guarantee 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 31.3.2019	Purpose for which utilized
	NIT, Hamirpur	F.No.34-2/2/2013-TS-111 Dated 4/6/2013 & 27/12/2013		Develop the lab/department for created	Yes				For lab work by the students.
1	-do-	-do-	-do-	For clean and hygiene the campus	-do-	Providing and supply of Dust bins.		1020650.00	To make campus clean and hygiene and used for collecting the garbage from residential and non residential including Hostels.
2	-do-	-do-	-do-	For painting and distempering of shopping complex , 4 H food court being looking shavy as it was	-do-	Painting and distempering of Shopping complex near old canteen, Bank and Post Office, 4 H Food court		732211.00	Utilized for R/M of buildings for betterment of Students and Faculties.

				due for painting & distempering.					
3	-do-	-do-	-do-	Repair and maintenance of both residential and non residential buildings as it was the necessity to require materials.	-do-	R/M of various residential &Non-residential Building, street light, Sub-Stations in NIT, Campus Hamirpur for the year 2018-19 (SH:- Supplying of Electric Materials).		689470.00	Utilized for R/M of residential &Non residential street & Sub Station as necessary for repair and maintenance.
4	-do-	-do-	-do-	Due to continues rain and heavy thunder storm the work will be executed as the old one in very poor state	-do-	Replacement of broken Polycarbonate sheets in Admin. Block and Electronics Communication & Engineering Department.		682080.00	To be replaced with new one as the old sheets as in very poor state
5	-do-	-do-	-do-	The one set Pump & Motor is to be replaced along with alied accessories at stage-II at Bar-	-do-	A/R & M/O of LWSS REC from River Beas to NIT Hamirpur (SH:- Replacement of Pumping machinery along		1700000.00	To make sure the steady supply of
				Baddar to MST (REC) NIT Hamirpur . As the machinery already installed is old one and is beyond repair.		with allied accessories for 2nd Stage, Bar-Badar to MST (REC) NIT, Hamirpur.			water NIT Complex.
						G: Total:		4824411.00	