

ANNUAL REPORT (01-07-2017 TO 30-06-2018)

The Jawaharlal Nehru Govt. Engineering College Sundernagar (H.P.) is the first State Engineering College of Himachal Pradesh and was established in the year 2006 with the vision to bloom into centre of excellence and become pace setter by opting quality processes interwoven with freedom of flexibility and to mould professionals of superior quality dedicated to the progress and development of humanity. Our aim is to create and disseminate knowledge and skills in core and frontier disciplines through innovative educational programmes, industrial training, research & consultancy and develop a new cadre of professionals with a high level of competence, deep sense of social commitment and ethics. JNGEC is a leading institute offering multidisciplinary four undergraduate Bachelor of Technology programmes in Engineering.



TECHNICAL AND PROFESSIONAL COURSES

After being established in the year 2006, Jawaharlal Nehru Govt. Engineering College has grown in its stature and number of courses. Today

we are having 4 under graduate B. Tech. courses namely Mechanical, Civil, Textile, and Electronics and Communication Engineering. Total intake capacity in our engineering college is 240 seats in B. Tech. We have around 1000 students studying in our beautiful campus today. JNGEC is approved by AICTE and affiliated to HPTU, Hamirpur. The JNGEC has established a good brand image for its outstanding infrastructure, excellent teaching, and a very good blend of highly qualified, experienced and talented faculty. With students from different parts of Himachal Pradesh, JNGEC has become a preferred destination for admission. The institute is in the process of preparation of SAR (Self Assessment Report) of all four UG programme for NBA accreditation. This institute has highly impressive campus encompassing all the modern educational and training facilities such as modern class rooms, equipped laboratories, workshops, advanced computer lab with the latest computers. The library of JNGEC is having the membership of National Digital Library (NDL). All students and faculty members are registered with NDL, having a wide range of national and international journals, books and e-books. This institute is running under the dynamic leadership of Prof. Raman Parti.



Prof. Raman Parti (Director-sum-Principal)

VISION OF THE INSTITUTE

"To be a premier institution imparting value-based education enabling innovation in frontier areas of technology that propels development of society at national and global arena "

MISSION OF THE INSTITUTE

- To create an environment that enables creativity, research and innovation in engineering and technology.
- To impart value based education that created leaders in engineering for upliftment of society at large.
- To strive for continuous improvement in imparting technical education.
- To have a liaison with lead institutions and industries.

GOVERNING STRUCTURE

The institute being a Government Institute, is funded, regulated and administered as per the rules/regulation and instructions issued by the State Government (Department of Technical Education, Vocational & Industrial Training, Himachal Pradesh) from time to time. The Department is administered by the Additional Chief Secretary/Principal Secretary (Technical Education to the Government of Himachal Pradesh) and headed by the Director (Technical Education) and Director-cum-Principal acts as controlling, drawing and disbursing officer.

The appointment of faculty and staff is made by the recruiting agencies of the State Government i.e. Himachal Pradesh Public Service Commission and Himachal Pradesh Staff Selection Commission as per the R&P rules prescribed for various posts by the State Government. These R&P rules are published on Gazette of Himachal Pradesh and also disseminated in public through e-gazette portal of Government of Himachal Pradesh.

The Government of Himachal Pradesh also constituted Board of Governors (BOG) vide Notification No. END (TE) F (1)1/2017 Dated 18-05-2018 under “Technical Education Quality improvement Programme” (TEQIP) Phase-III. The Board is having the following members:-

1.	Dr. Lalit Sharma, BTH-114, Teachers Colony, H.P. University, Summer Hill, Shimla-171005 H.P. Contact No. 98166-01405 (Nominated by the State Govt.)	Chairperson
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2.	Two faculty members to be nominated by the Director/Principal of Jawaharlal Nehru Govt. Engineering College Sundernagar, District Mandi H.P. based on seniority.	Members
3.	Sh. Jatinder Sharma C/O J.D. Traders, Lalit Chowk Sundernagar, District Mandi H.P. Contact No. 94184-6605 (Eminent Educationist) Nominated by the State Govt.	Member
4.	Sh. Arun Kumar Sharma S/O Sh. Shakti Chand Kaundal Resident of Haripur, P.O. & Tehsil Sundernagar, District Mandi H.P. Contact No. 94184-96496 (Eminent Educationist) Nominated by the State Govt.	Member
5.	Sh. Shiv Singh Sen, Village Salah, P.O. Bhojpur, Tehsil Sundernagar, District Mandi H.P. Contact No. 94184-84500 (Eminent Educationist) Nominated by the State Govt.	Member
6.	AICTE Nominee (To be Nominated by AICTE)	Member
7.	Joint Director, Technical Education (State Govt. Nominee)	Member
8.	Dean (P&D) HimTU University Nominee	Member
9.	Director/Principal of Institution	Ex Officio Member/Member Secretary



**HIMACHAL PRADESH TECHNICAL UNIVERSITY HAMIRPUR
ACADEMIC CALENDAR FOR THE SESSION 2017-18**

ODD SEMESTER

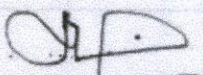
1.	REPORTING DATE FOR FACULTY	28-07-2017	FRIDAY
2. (I)	REGISTRATION FOR UNDER-GRADUATE CLASSES	31-07-2017	MONDAY
(II)	REGISTRATION FOR POST-GRADUATE CLASSES	01-08-2017	TUESDAY
3.	ORIENTATION FOR FRESHERS	02-08-2017	WEDNESDAY
4. (I)	COMMENCEMENT OF UNDER-GRADUATE CLASSES	03-08-2017	THURSDAY
(II)	COMMENCEMENT OF POST-GRADUATE CLASSES	04-08-2017	FRIDAY
5.	LAST DATE FOR REGISTRATION BY THE COLLEGE	19-08-2017	SATURDAY
6.	1 ST PERIODICAL EXAMINATION	13-09-2017 TO 16-09-2017	WEDNESDAY TO SATURDAY
7.	HPTU YOUTH FESTIVAL (PLACE AND VENUE TO BE NOTIFIED SEPARATELY)	12-10-2017 TO 13-10-2017	THURSDAY TO FRIDAY
8.	MID SEMESTER BREAK	16-10-2017 TO 21-10-2017	MONDAY TO SATURDAY
9.	2 ND PERIODICAL EXAMINATION	23-10-2017 TO 26-10-2017	MONDAY TO THURSDAY
10.	END OF CLASSES WORK	17-11-2017	FRIDAY
11.	REPORTING OF SHORTAGE OF ATTENDANCE CASES AND DISPLAY OF INTERNAL SESSIONAL AWARDS	18-11-2017	SATURDAY
12.	END SEMESTER PRACTICAL EXAMINATIONS	20-11-2017 TO 25-11-2017	MONDAY TO SATURDAY
13.	END SEMESTER THEORY EXAMINATIONS	28-11-2017 TO 15-12-2017	TUESDAY TO FRIDAY
14.	WINTER BREAK FOR FACULTY	16-12-2017 TO 30-12-2017	SATURDAY TO SATURDAY

EVEN SEMESTER

1.	REPORTING DATE FOR FACULTY	1-1-2018	MONDAY
2. (1)	REGISTRATION FOR UNDER-GRADUATE CLASSES	2-1-2018	TUESDAY
(II)	REGISTRATION FOR POST-GRADUATE CLASSES	3-1-2018	WEDNESDAY
3.	COMMENCEMENT OF UNDER-GRADUATE CLASSES	3-1-2018	WEDNESDAY
4. (1)	COMMENCEMENT OF POST-GRADUATE CLASSES	4-1-2018	THURSDAY
(II)	LAST DATE FOR REGISTRATION BY THE COLLEGE	20-1-2018	SATURDAY
5.	1 ST PERIODICAL EXAMINATION	19-2-2018 TO 22-2-2018	MONDAY TO THURSDAY
6.	MID SEMESTER BREAK	26-2-2018 TO 03-03-2018	MONDAY TO SATURDAY
7.	HPTU INTER COLLEGE SPORTS MEET (PLACE AND VENUE TO BE NOTIFIED SEPARATELY)	8-3-2018 TO 9-3-2018	THURSDAY TO FRIDAY
8.	2 ND PERIODICAL EXAMINATION	02-4-2018 TO 05-4-2018	MONDAY TO THURSDAY
9.	END OF CLASSES WORK	20-4-2018	FRIDAY
10.	REPORTING OF SHORTAGE OF ATTENDANCE CASES AND DISPLAY OF INTERNAL SESSIONAL AWARDS	21-4-2018	SATURDAY
11.	END SEMESTER PRACTICAL EXAMINATIONS	23-4-2018 TO 28-4-2018	MONDAY TO SATURDAY
12.	END SEMESTER THEORY EXAMINATIONS	01-5-2018 TO 19-5-2018	TUESDAY TO SATURDAY
13.	SUMMER BREAK FOR FACULTY	01-6-2018 TO 20-7-2018	FRIDAY TO FRIDAY

NOTE:-

1. ALL AFFILIATING COLLEGES SHALL FOLLOW THE ACADEMIC CALENDER STRICTLY. THE WORKING SHALL BE FOR SIX DAYS (MONDAY TO SATURDAY) EXCEPT SECOND SATURDAY AND PUBLIC HOLYDAYS FROM 9 A.M. TO 5 P.M.
2. STUDENTS TO APPEAR IN PERSON AND SUBMIT THE REGISTRATION CARD TO THEIR RESPECTIVE DEPARTMENTS ON THE DAY OF REGISTRATION FOR ONWARD TRANSMISSION TO UNIVERSITY.



Dean
H.P. Technical University
Hamirpur - 177001

DEPARTMENT PROFILE

Department of Mechanical Engineering

The Mechanical Department was started in 2006 with an intake of 60 students. The department has well qualified and dedicated faculty. The faculty members give the students a hands-on approach in the use of Engineering principles and the opportunity to develop creative approaches to problems. The objective of the department is to prepare students for successful career in industry, research and academics to meet the need of growing technology. We provide opportunity for students to work as members of a team on multidisciplinary projects. The available equipments, excellence in instruction and an emphasis on quality of education in Mechanical Engineering combined together to prepare the students to step into positions of responsibility at the leading edge of today's technology. The Mechanical Engineering student with a desire to learn will develop and expand his or her knowledge and skills in the areas of engineering sciences, testing techniques, material properties, analysis and evaluation along with communication. For the overall development of student, Department of Mechanical Engineering is associated with memberships of professional bodies. Various technical activities of these chapters provide students to gain knowledge and interact with the students and staff of other Colleges/ Universities as well as Industry Engineers. Students of Mechanical Engineering Departments have taken parts in various academics as well as co-curricular activities/competitions and secured positions. Our graduates are working in multinational companies, defence services and academic institutions in various parts of India. Today JNGEC has grown in all directions and has become a distinguished centre for modern learning.

Department of Textile Engineering

Himachal Pradesh, situated in the foothills of the Himalayan mountain ranges, has emerged as hub of Textiles and developed rich traditions of handicrafts made up of Wool, Pashmina and Silk. To harness this

abundant potential in the Textile industry in Himachal Pradesh, Textile Engineering department at Jawaharlal Nehru Govt. Engineering College Sundernagar (H.P) was established in 2006 which is only of its kind in the state. The department offers Bachelor of Engineering in Textile Engineering with aim to generate a horde of highly creative textile professionals impacting the society at large. The textile engineering department at J.N.G.E.C, Sundernagar has specialized faculties in all important areas of textile engineering such as fibre, spinning, weaving, processing, testing and designing. It is well-equipped with facilities in its laboratories to provide ample opportunity to the students to explore their penchant for learning and innovation.

Department of Electronics and Communication Engineering

The department of Electronics & Communication Engineering was established in 2010. It offers Under Graduate courses (B.Tech) in the field of Electronics & Communication Engineering. It has a supportive campus environment where one can actively collaborate with his/her faculty and classmates as well as get involved in the other innovative things. The Department provides many opportunities to gain practical work experience and ensure a successful career. Electronics engineers are changing the world to a comfortable global home. The information and technology revolution has been built on the advances of Electronics.

E&CED is making exhilarating progress in areas ranging from satellite communication, wireless communication microelectronics to VLSI Design Automation. In labs and classrooms, students draw on the expertise and knowledge of our able faculty, Integrating practical, hands on research experience with challenging and interesting course work.

Department of Civil Engineering

Civil Engineers are the builders of modern world and are instrumental in creating the monuments of modern technology. Due to the increased

emphasis on the development of infrastructural facilities especially in the country like India, civil engineers are required to play a major role in creating better and improved infrastructural facilities for the mankind.

However, to achieve this target, civil engineers are required to be equipped with latest technical know and should be capable enough to tackle the constructional site challenges. The Civil Engg. branch in the Jawaharlal Lal Govt. Engg. College Sundernagar Mandi (H.P.) has been started since the year 2010. The Civil Department has augmented various laboratories and other facilities keeping in view the contemporary technological advancement in the constructional industry.

Department also conducts Industrial training and survey camps to make the students familiar about the actual working site practices. Beside this, a special care undertaken to develop the soft skill among the students. Civil Engg. Department is moving forward to become a centre of excellence in the field of Civil Engineering and as a source of learning& support to the students and community.

Department of Applied Science and Humanities

The Department of Applied Sciences and Humanities is established to strengthen the basic and practical requirements of an engineer in the field of natural sciences, society and communication as well as to produce good human beings. The engineers produced from this college will not only be perfect in the concepts of engineering only but they must possess managerial skills, which are most required nowadays.

When he joins any organisation or joins a group of people working together, must interact with people around him in order to share his needs, thoughts, plans, expertise, operations and so on. So he or she should be very excellent in their communication skill. Whatever they do in their working area they must keep and carry good humanity approach for the betterment of society and nation as a whole. They must know how

to manage things and practically they have to manage the manpower, inventory, and hierarchical set up of an organisation as well as finance which mainly affect the total scenario. Moreover natural sciences are the backbone of Engineering field and whatever an engineer does is based upon the basic principles in the field of natural sciences i.e. Physics, Mathematics, Chemistry, Environmental Science. The department of Applied Sciences & Humanities consists of Chemistry, Mathematics, Physics, English, Management, Economics and Environmental sciences. The department has well equipped labs for imparting practical knowledge to the students in the field of Natural Sciences. Though, the institution is still in upcoming stage yet emphasis is laid upon to acquire the state of art infrastructure for the physics and chemistry labs. Under the dynamic leadership of Dr. Raman Parti, the faculty of Natural Sciences are leaving no stone unturned to provide the best equipment and practical knowledge to the students of this college.

STUDENT ENROLLMENT

The Jawaharlal Nehru Govt. Engineering College (JNGEC) is affiliated to Himachal Pradesh Technical University, Hamirpur and offering B. Tech. degree in four streams for the academic year 2017-18.

Detail of Programme offered with intake capacity and enrolment of students (year wise) during the academic year 2017-18:

Sr. No	Programme Offered (B. Tech.)	Intake Capacity in First Year	Student Enrolment				Total
			1 st year	2 nd year	3 rd year	4 th year	
1	Civil Engineering	60+3*	62	73	74	72	281
2	Electronics and Communication Engineering	60+3	61	65	71	74	271
3	Mechanical	60+3	63	73	68	70	274

	Engineering						
4	Textile Engineering	60+3	31	48	54	48	181
Total		252	217	259	267	264	1007

* Three seats are under TWF which are over and above intake capacity

Distribution of Boys and Girls students' year wise during the academic year 2017-18:

Sr. No.	Programme Offered (B. Tech.)	Students admitted								Total
		1 st year		2 nd year		3 rd year		4 th year		
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
1	Civil Engineering	51	11	53	20	58	16	60	12	281
2	Electronics & Comm. Engineering	44	17	41	24	38	33	46	28	271
3	Mechanical Engineering	62	1	70	3	68	0	66	4	274
4	Textile Engineering	18	13	29	19	43	11	33	15	181
Total		175	42	193	66	207	60	205	59	1007

FACULTY POSITION

Sr. No.	Department	Professor	Associate Professor	Assistant Professor (Regular, Contract, Hourly Basis)	Total
1	Director	01	--	--	01
2	Civil Engineering	01	--	06	07
3	Electronics & Comm. Engineering	--	--	10	10
4	Mechanical Engineering	01	--	09	10
5	Textile Engineering	--	--	11	11
6	Applied Sciences and Humanities	--	--	09	09
7	Librarian	--	--	01	01
Total		03		46	49

NON-TEACHING STAFF

Sr. No.	Particular	Total
1	Administrative Staff	43
2	Technical Supporting Staff	15
3	Library Staff	02
4	Attendant, Peon & Other Staff	12
	Total	72

Representation of Male to Female Faculty (Gender Ratio):

Sr. No.	Department	Male	Female	Total
1	Director	01	--	01
2	Civil Engineering	04	03	06
3	Electronic and Communication Engineering	06	03	09
4	Mechanical Engineering	10	--	10
5	Textile Engineering	08	03	11
6	Applied Sciences and Humanities	06	03	09
7	Librarian	--	01	01
	Total	35	13	47

Faculty with Ph.D. Qualification:

Sr. No.	Department	Name of Faculty	Specialization	Year of Completion
1.	Civil Engineering	Dr. Raman Parti	Civil Engineering	
		Dr. S.P. Guleria	Civil Engineering	2014
3.	Mechanical Engineering	Dr. Rajeev Khanduja	Mechanical Engineering	2010
4.	Mechanical Engineering	Dr. Ritesh Kaundal	Mechanical Engineering	2011
5.	Electronics and Communication Engineering	Dr. Himanshu Monga	Electronics and Comm. Engineering	2014
6.	Electronics and Communication Engineering	Dr. Manjeet	Electronics and Comm. Engineering	2018
7.	Applied Science and	Dr. P.C. Chopra	Mathematics	2011

	Humanities			
8.	Applied Science and Humanities	Dr. Ajnesh Singh	Chemistry	2012
9.	Applied Science and Humanities	Dr. Champa Verma	Chemistry	2005
10.	Applied Science and Humanities	Dr. Sunita Kumari	Mathematics	2008

Faculty Enrolled for Ph. D.:

Sr. No.	Department	Name of Faculty	Specialization	University/ Institute
1.	Civil Engineering	Ms. Madhu Gautam	Civil Engg.	Thaper University, Patiala
		Sh. Vivek	Civil Engg.	NIT, Hamirpur
2.	Mechanical Engineering	Sh. Amitesh Sharma	Mech. Engg.	NIT, Hamirpur
3.	Electronics and Comm. Engg.	Sh. Vicky Kumar	ECE	NIT, Hamirpur
		Sh. Shashi Gurang	CSE	NIT, Hamirpur
4.	Textile Engineering	Sh. Dinesh Bhatia	Textile Engg.	NIT, Hamirpur
		Sh. Ankush Sharma	Textile Engg.	NIT, Hamirpur
5.	Applied Sciences and Humanities	Sh. Desh Raj	Physics	HPU, Shimla

STUDENTS PERFORMANCE

The theory examinations namely first periodical Examination, second periodical examination and end semester examination were successfully conducted for all the under graduate (B. Tech.) programs during the academic year 2017-18 as per the academic calendar of HPTU. Question papers (first periodical Examination & second periodical examination) are mapped with Course Outcomes (COs) which intern results in attainment of Program Outcomes (POs). Blooms Taxonomy is being used to raise the quality level of question papers. The evaluation system is 100 percent transparent and students get an opportunity to see their assessed answer sheet of first periodical Examination & second periodical examination. The program wise results of all the examinations for whole

Academic Year 2017-18 indicating performance (clear passing percentage of under graduates (UG) students of all classes is presented in Table.

Result of Final Year B.Tech.: All Programs

Sr. No.	Branch	Students Appeared	Total passed students	% of Result
1	Civil Engineering	68	51	75
2	Electronic and Communication Engineering	70	55	79
3	Mechanical Engineering	70	62	89
4	Textile Engineering	48	33	69

Top Performers of B. Tech. :

Sr. No.	Branch	Name of Student	Percentage
1	Civil Engineering	Sourabh Kumar	76.78
2	Electronic and Communication Engineering	Vasudha Divedi	86.36
3	Mechanical Engineering	Ankit	80.10
4	Textile Engineering	Bharti Rana	88.76

TRANSITION RATE

Item	2017 Graduated Mechanical Engg.	2017 Graduated Textile Engg.	2017 Graduated ECE Engg.	2017 Graduated Civil Engg.
Number of students admitted in the corresponding First Year + admitted in 2nd Year via lateral entry and separate division, if applicable	63	67	64	65
Number of students who have graduated without backlogs in the	26	15	29	57

stipulated period				
Success Index (SI)	0.412	0.223	0.45	0.877

Students Performance in GATE :

Institute promotes the students for Higher Education. The Institute has taken up major steps to prepare students to face the Global Challenges by pursuing Higher Education at IIT's, NIT's and well developed Indian Universities. To fulfill the objective mentioned above institute has provided one week GATE training to final year students for the academic year 2017-18.

Year	MECHANICAL	TEXTILE	CIVIL	ECE
2017-18	6	2	3	1

RESEARCH AND INNOVATIONS

JNGEC is making good efforts to create a research ambiance and develop a strong research culture amongst faculty and students. JNGEC is granting the funding support i.e. the cost of best projects undertaken by students and faculties, participation in International / National conferences to strengthen the research and development activities every year. Under the R&D activities at JNGEC the main focus on following aspects:

- ❖ To increase involvement of B.Tech. Students in developing innovative ideas and converting them into working prototypes.
- ❖ To enhance industry institute interaction for getting consultancy opportunities.
- ❖ To increase publications in referred journal.

The summary of present status regarding research activities with statistics of research is given below:

Detail of Publications in International Journal/ National Journal/ National/international conferences during 2017-18:

Department	International Journal	National Journal	International Conference	National Conference	Books/ Chapter
Civil Engineering	02		02		
Electronic and Communication Engineering	14	--	02	--	02
Mechanical Engineering	--	--	--	--	--
Textile Engineering	01	02	-	--	-
Applied Sciences and humanities	06	-	-	-	-

Summary of Projects undertaken by the Students/Faculty during 2017-18

Department	Total Projects by Students/ Faculty
Civil Engineering	07
Electronic and Communication Engineering	15
Mechanical Engineering	07
Textile Engineering	08

TRAINING AND PLACEMENT:

The purpose of the Training and Placement is to give the students right knowledge, skill and aptitude and meet the manpower requirements of the Industry. The Training and Placement Function at JNGEC is facilitated by Central Training and Placement Officer as head and the Departmental Training and Placement Officers as coordinators. Training and Placement encompasses three main activities: Training, Education and Development.

Training: Keeping in view the current trends and technologies being used by the industries, the training curriculum is designed for preparing the students as entry level Graduate Engineer Trainees. The institute facilitates third year students to undergo 6-8 weeks training in different industries.

Education: Appropriate skills for the job profile are acquired by the students during the classroom sessions on Aptitude and Conceptual training.

Development: This activity focuses upon the personality development to make the students reliable, with positive attitude and right decision making.

The industry is always on the lookout for students who are vibrant, energetic individuals and ready to accept challenges, attentive, a good academic background, fast learners, open to learning even at work and more importantly, good communication skills.

The institute has created systems and structures to facilitate the aspiring students to excel in CAT, GATE, GRE, UPSC and similar competitive examinations. So that the students can improve their knowledge of Quantitative, Verbal and Analytical Ability, Communication Skills, etc.

The Training placement cell has done a commendable job of inviting more than 15 companies in our campus for placement drive. More than 55 eligible students have received their appointment offers with attractive pay packages.

PLACEMENT DATA

Sr.No	Branch	Nos. Of Company visited	Eligible Students for placement	No of students placed	Max. Package	Minimum Package
1	Mech. Engg	01	47	02	200000/-	327000/-
2	Textile Engg.	05	11	31*	204000/-	306000/-
3	Electronics& Communication	06	43	21	144000/-	360000/-

	Engg.					
4	Civil Engg.	01	43	01	200000/-	200000/-
	Total	13	144	55		

SUMMER INTERNSHIP TRAINING DATA

Year	MECHANICAL	TEXTILE	CIVIL	ECE
2017-18	68	55	74	71

Workshops/conferences/STP/FDP/Seminar/Other events organized:

The main objectives of the organising workshops/ conferences/ STP/ FDP/Seminar are to provide a common platform to faculty members to develop their training and professional (facilitation) skills so as to enable them to give suitable inputs to their students. It also makes them familiar with recent developments in teaching and research methods. The institution also gives emphasis to organise various other event related to betterment of society which help to spread education and awareness among students and society.

S.No	Name of the Department	Name of the Event	Date(s)	Coordinator(s)/ Convener(s)
1.	Textile	Tree Plantation Drive	4 th August 2017	Er. Ankush Sharma (Co-Coordinator)
2.	Textile	Assembly Level Quiz Competition	22 nd - 23 rd September 2017	Er. Ankush Sharma (Coordinator)
3.	Textile	World Aids Day	4 th December 2017	Er. Ankush Sharma (Co-Coordinator)
4.	Textile	One-week workshop on "GATE Exam Preparation" for Textile Engineering Students	19 th -23 rd December, 2017	Er Priya Jaswal and Er Amit Kumar
5.	ECE	Workshop on "Global and Indian Mobile Telecom Industry"	16 th January 2018	Er. Ankit Sharma

6.	Textile	One day Workshop on "Placement"	5 th March, 2018	Sh. Vivek Sharma (Member Secretary)
7.	Textile	One day workshop on Soft Skills Development Finishing School	15 th March, 2018	Sh. Vivek Sharma (Convenor)
8.	Textile	Idea Generation and Opportunity Evaluation	16 th March 2018	Er. Parveen Kumar Chairman, Workshop
9.	Textile	Idea Generation and Opportunity Evaluation	16 th March 2018	Er. Dinesh Bhatia (Co-Coordinator)
10.	Textile	Three Days Institute Cultural Event TWASK 2K18	28-30 th March 2018	Er. Ankush Sharma (Co-Coordinator)
11.	Textile	One week FDP on Statistical Methods in research Methodology	4-8 th June 2018	Er. Parveen Kumar (Local Joint Co-Coordinator)
12.	Civil	"Landslides: Issues & Remedial Measures"	24 th February 2018	Dr. S P Guleria
13.	Civil	One day practical Exercise of Forest Survey/ Engineering	1 st Sept., 2018	Dr. S P Guleria





Workshops/conferences/STP/FDP/Seminar attended by faculty members:

S.No.	Name of the Department	Name of the Faculty	Days/ Weeks	Place
1.	Textile Engineering	Mr. Parveen Kumar	01 Week 01 Week	JNGEC, Sundernagar IIT, Indore
2.		Ms. Priya Jaswal	01 Week	JNGEC, Sundernagar
3.		Ms. Urvashi Malhotra	03 Days 01 Week 01 week	PEC, Chandigarh JNGEC,Sundernagar SLIET, Sangrur
4.		Mr. Vivek Sharma	03 Days 01 Week	IIT, Delhi IIT, Indore
5.		Mr. Dinesh Bhatia	03 Days 03 Days 01 Week 02 Days	IIT, Delhi IIT, Delhi JNGEC,Sundernagar NIT, Jalandhar

6.		Mr. Ankush Sharma	03 Days 03 Days 01 Week 01 Week	JNTU, Hyderabad IIT, Delhi JNGEC,Sundernagar IIT, Indore
7.	Civil Engineering	Ms. Bedatrayee Saha	03 Days 01 Week 01 Week 01 Day	PEC, Chandigarh JNGEC, Sundernagar SLIET, Sangrur JNGEC, Sundernagar
8.		Ms. Madhu Sharma	01 Day 01 Week 01 Week 01 Day	PEC, Chandigarh JNGEC,Sundernagar IIT, Indore JNGEC,Sundernagar
9.		Mr. Vivek	01 Day 01 Week 01 Week 01 Day	PEC, Chandigarh JNGEC,Sundernagar IIT, Indore JNGEC,Sundernagar
10.		Mr. Kapil	01 Week 01 Week 01 Day	JNGEC,Sundernagar IIT, Indore JNGEC,Sundernagar
11.		Ms. Surbhi	01 Week 01 Day	JNGEC,Sundernagar JNGEC,Sundernagar
12.		Ms. S. P.Guleria	03 Days 01 Week 02 Days 01 Day 01 Week 02 Days	AICTE, N.Delhi JNGEC,Sundernagar IIT, Roorkee JNGEC,Sundernagar IIT, Indore CSIR, N.Delhi
13.		ECE	Er. Munish Bhardwaj	01 Day 02 Days 01 Day 01 Week 01 Week
14.	Er. Pooja Sharma		02 Days 01 Week 01 Week 03 Days	IIT, Mandi JNGEC,Sundernagar IIT, Indore RGGEC Nagrota Bagwan Kangra

15.		Er. Vivek Mankotia	03 Days 01 Week 01 Day 01 Day 01 Week 01 Week	RGGEC Nagrota Bagwan Kangra PEC, Chandigarh PEC, Chandigarh JNGEC,Sundernagar IIT, Indore
16.		Er. Ankit Sharma	03 Days 02 Days 01 Day 01 Day 01 Week 01 Week 01 Week	JNTU, Hydrabad NPIU,N.Delhi PEC, Chandigarh PEC, Chandigarh JNGEC,Sundernagar SLIET, Sangrur IIT, Indore
17.		Er. Vicky Kumar	02 Days 02 Days 01 Day 01 Week 01 Week 01 Week	UIET, Chandigarh NPIU,N.Delhi PEC, Chandigarh JNGEC,Sundernagar NIT,Hamirpur IIT, Indore
18.		Sh. Ankush Kapoor	01 Week 01 Week 01 Week	JNGEC,Sundernagar IIM, Udaipur IIT, Indore
19.		Er. Manjeet Singh	03 Days 01 Day 01 Week 01 Week 01 Week	RGGEC Nagrota Bagwan Kangra PEC, Chandigarh JNGEC,Sundernagar NIT,Hamirpur IIT, Indore
20.		Er. Nitasha Bisht	01 Week 02 Week 01 Week	JNGEC,Sundernagar NITTTR,Chandigarh IIT, Indor
21.	Applied Sciences and Humanities	Sh. Achhar Singh	01 Week 01 Week	JNGEC,Sundernagar IIT, Indore
22.		Dr P.C. Chopra	01 Week	PEC, Chandigarh

23.		Dr Champa Verma	03 Days 01 Week 01 Week 02 Week	PEC, Chandigarh JNGEC, Sundernagar IIT, Indore NITTTR, Chandigarh
24.		Dr Ajnesh Singh	01 Week 01 Week	JNGEC,Sundernagar IIT, Indore
25.		Dr Sunita Thakur	01 Week 01 Week	JNGEC,Sundernagar IIT, Indore
26.		Desh Raj	01 Week 01 Week	JNGEC,Sundernagar IIT, Indore
27.	MECH.	Dr. Rajeev Khanduja	01 Week 01 Week 01 Week 02 Weeks	JNGEC,Sundernagar IIT, Indore IIM, Udaipur PEC, CHD
28.		Er. Amitesh Sharma	01 Week 02 Weeks	JNGEC,Sundernagar NITTTR, Chandigarh
29.		Er. Mridul Sharma	01 Week 01 Week 02 Weeks	JNGEC,Sundernagar IIT, Indore NITTTR, Chandigarh
30.		Er. Ajay Kumar	01 Week 01 Week 02 Weeks	JNGEC,Sundernagar IIT, Indore NITTTR, Chandigarh
31.		Dr. Ritesh Kaundal	01 Week 01 Week	JNGEC,Sundernagar IIT, Indore
32.		Er. Gaurav Mahajan	01 Week 01 Week	JNGEC,Sundernagar IIT, Indore

INDUSTRY-INSTITUTE INTERACTION

Civil Engineering department organized an interactive session on Profession: challenges and opportunities in Civil Engineering on 16-08-2018, in which Er. Satish Sagar, chief engineer (Retd.) HPPWD and final year students participated. M/s Bentley System discussed about the water Gems, SecrewGems and Storm Cads with the third and final year students of Civil Engineering on 5-08-2017.

Industry Visit:

JNGEC has placed emphasis on the cultivation of strong links with industry and promotion of various industrial activities students. Keeping in mind the importance of industrial visits, JNGEC motivates faculty as well as students to visit industries and to undergo training program at different industries.

Sr. No.	Industry Visited	Date	Department	Students
01	Vardhman TextileLtd. Baddi	26-27 Oct, 2018	Textile	B.Tech. 3 rd Year Textile

Details regarding guest lecturers:

Sr. No.	Guest lecturers organized Department	Name of the speaker (along with address)	Name of the Topic	Date
1.	Civil Engineering	Mr. Vinayak Kaushal, Research Fellow, University of Texas at Arlington USA	i)Introduction to Trenchless Technologies, ii) A guide to higher studies in the US	08/01/18
2.		Er. Satish Sagar, Chief Engineer (Retd.), HPPWD	i) Projects in Civil Engineering, ii) Civil Engg. Professions: challenges and opportunit	16/08/18
3.		Mr. Satish Mongia (NPIU Consultant)	Contractor and Arbitrations	14/09/17
4.	ECE	Sh. Arvind Jain (Director and COO Cognitel Training Services)	Global and Indian Mobile Telecom Industry”	16/01/2018

STEPS TAKEN TO IMPROVE COMMUNICATION SKILLS

Training and placement cell of JNGEC Sundernagar has organized two workshops for the pre-final and final year students in collaboration with PEC University, Chandigarh i.e. Soft Skill Programme - Finishing School on 15th March 2018 (for final year students). All faculty members of the department give the topics of seminars (concerned with the latest technology) to third and final year students. Students give power point

presentation of the seminar in the class/conference hall in front of all the faculty members of the department concerned.

LIBRARY REPORT

The JNGEC Central Library, with its wide collection of knowledge resources and innovative information services, fills an essential requisite in the intellectual pursuits for our students, faculty and the surrounding community. The library has a collection of books, print journals, magazines .

Library Resources: Books Information:

Sr. No.	Programme	Title	Volume
1.	B.Tech.	2050	10655

Journals and Magazines:

Sr. No.	Programme	National & International Journal	Magazine	News Paper
1.	B.Tech.	22	19	07

Digital Library: Digital Library with 20 computers to provide access to electronic resources such as e-journals, e-books, digitized question papers, NPTEL Video Lectures etc. The students and faculties can search, browse, download or print the article from e-journal or a portion from e-book, subject to copyright restrictions. The GATE CDs are also made available to the students for the preparation of GATE examination which is helpful to the students to face the GATE examination confidently and successfully.

CO-CURRICULAR ACTIVITIES ORGANISED BY THE INSTITUTE

Cultural activities

Annual Cultural Festival is organized every year. This year two days Cultural festival **TWASK-2018** was organized on **29th-30th March, 2018**. During the event student participated in various cultural events.



Cleanliness Drive at JNGEC Campus

Under the Swachh Bharat Abhiyan, a cleanliness drive was done on 23/06/2017 in the institute to clean the road and infrastructure.



Blood Donation camp at BBMB Officer Club

Blood is the most vital requirement for all living beings. A blood donation occurs when a healthy person gives blood voluntarily. Many donors donate blood as an act of charity. Average amount of blood in the human body is 5-6 litres. But a typical donation is only 300 to 450 ml. There is enough blood in the body to donate without experiencing any ill effects. The body makes

new blood in a short period of 24-48 hours after each donation. No special diet, rest or medicines are required after donating the blood. A single donation could save the life of at least three persons. With this motive, our students and staff also donated the blood at **BBMB officer club on 23/08/2017.**



Republic Day Celebration:

The Republic Day has special significance in the sense that the Indian people got their own constitution with fundamental rights i.e. freedom of speech, religion, education, profession, right to freedom against exploitation, right to information i.e. (RTI) etc. which provides us a channel to seek accountability in governance. Our freedom fighter had great vision and they opted for democratize type of government with Non-violence means. The Republic Day celebration was held in the institute on **26-01-2018.**

Shaheedi Diwas:

Shaheedi Diwas is celebrated in India to remember the sacrifice and pay homage to the Bhagat Singh, Shivaram Rajguru and Sukhdev Thapar. They fought for India against the British rule for independence. JNGEC celebrated Shaheedi Diwas on 23/03/2018 to pay homage to freedom fighters.



Bhang Ukhado Abhiyan

Bhang Ukhado Abhiyan was organized by the students and faculty members of JNGEC on 01-05-2018 to make Himachal Pradesh “Nasha Mukht”.



Tree Plantation Drive

The main educational purpose of tree plantation drive is that the student and staff learn to appreciate that trees provide us- clean air, reducing energy demand and connecting with nature. With this motive the tree plantation drive was done in the institute on 04-08-2018. Our worthy Director/Principal motivated the staff and students that everyone should plant at least one tree during the festival.



Sports Activities We believe that a sound mind in a healthy body is the main MANTRA of successful life. Institute has organized two days Annual Sports and Athletic Meet in March, 2017. The various events organized during the meet were Basket-ball (Boys/Girls), Foot-Ball (Boys), Volleyball (Boys), Badminton (Boys/ Girls), Table Tennis (Boys/Girls), Kabaddi (Boys), 100 m race(Boys/Girls), 400 m race(Boys/Girls), 800 m race (Boys/Girls), 4X400m race (Boys/Girls), Shot put throw (Boys/Girls), Discus throw (Boys) and Long Jump (Boys/Girls). Beside this 44 students of JNGEC participated in HPTU Sports meet at Laureate Institute of Pharmacy, Kangra in March,2018. Twenty students participated in sports meet at Jaypee University, Solan on 4-5th Nov., 2017. Twenty eight students participated in sports meet “Rann-Neeti” at IIT, Mandi in Srpt.-Oct., 2017.



Disaster Management Mock Drills

Himachal Pradesh is in the earthquake vulnerable zone. So under disaster management, students learn what to do during an earthquake i.e. Drop down; take cover under desk or table and hold on, stay indoors until the shaking stops etc. This activity is done 2-3 times in a semester.



NCC Unit

The NCC unit was started in 2016 in the institute. The aim of NCC is to develop character, comradeship, discipline, leadership, spirit of adventure, sportsmanship and ideal of selfless service among the youth of country. It also provides a suitable environment to motivate the youth to take up a career in armed forces. The main motto of NCC is Unity and Discipline. Total students enrolled -50 cadets.

Detail of students associated with NCC unit

First Year		Second Year		Third Year	
Boys	Girls	Boys	Girls	Boys	Girls
13	06	14	01	15	01

Training to NCC cadets is given under 2HP BN NCC Mandi (HP), Our NCC officer is Captain H.S Rana. NCC Cadets participated in various activities in the institute under the guidance of Captain H.S Rana like Independence Day and Republic Day flag hosting, anti corruption pledge, Swachta Abhiyan, TAWASK-18, Disaster mock exercise, Cleanliness drive, sports etc. Our 16 Cadets cleared the BEE Certified exam and 29 cadets participated in combine annual training camp at MLSM College, Sundernagar w.e.f. 05-06-

18 to 14-06-2018. During camp training they won various positions in shooting, beat in drill, quize contest, volleyball etc.



NSS (National Service Secheme)

The overall aim of NSS is the personality development of students through community service. It gives an extension dimension to higher edducation system and orients the students youth to community sevice. Various activites were organised in the institute under NSS (National Service Secheme).

S. No.	Event Organized	Date	Detail/Remarks
1	Tree Plantation Drive	04-08-2017	Tree plantation was done by NSS volunteers in JNGEC Campus
2.	Essay Film Competition	23-08-2017	Competition was organized and shortlisted students were forwarded to state NSS officer
3.	Awareness Quiz Competition	22-09-2017 and 23-09-2017	Competition was organized in JNGEC on 22-09-2017. Winner and Runner-up took part in Assembly level competition on 23-09-2017.
4.	Blood Donation	11-10-2017	NSS Volunteers participated in blood donation camp at BBMB Officer club Sundernagar.

5.	Election Awareness	Voter	12-10-2017	NSS Volunteers participated in Election Voter Awareness at Institute
6.	World AIDS Campaign	Day	04-12-2017	World AIDS Day was organized in the institute.

Startup-Cell

The institute started startup policy with the aim to streamline and strengthen the innovation and startup ecosystem. Under this student startup policy various activities have been performed in the institute.

S. No.	Activity	Date/Venue	Remarks
1.	Start-up Coordinator attended two days' workshop on "Start-up activities & preparation of action plan"	4-5 th January, 2018 UIET, Chandigarh	Jointly organized by NPIU and AICTE at UEIT, Chandigarh
2.	Organized Workshop on "Idea Generation and Opportunity Evaluation"	16/03/2018 JNGEC Sundernagar	Students from JNGEC and MGGEC participated in the workshop.
3.	Students participated in Startup fest organized by the DTE (Dept. of Tech. Edu.), H.P.	09/04/2018 DTE, Sundernagar	Won First Prize (Product title:- Modified combined refrigerator system)
4.	Students participated in startup fest entitled as "Techstars startup weekend solan powered by Google Entrepreneur"	14-16 th Sept, 2018 Jaypee University Wagnaghat	Won first prize (Product name:- UV Ray's protective T-shirt)

Induction Programme for Ist Year Students:

The Institute conducted the Induction program in August,2017 for the newly joined students to feel them comfortable, sensitize them towards exploring their academic interests and activities, reducing competition and making them work for excellence, promote bonding with in them, build

relation between teachers and students, give a broader view of life and building of character.



TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP) PHASE-III

Introduction

Jawahar Lal Nehru Govt. Engineering College Sundernagar was the first institution of the state to get selected for TEQIP-I, TEQIP-II and presently TEQIP-III is under implementation. The Project, Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelfth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

Project Objectives:

The Project will focus on the following objectives:

- (a) Improving quality and equity in engineering institutions in focus states viz.

07- Low Income States (LIS1),

08- States in the North-East of India,

03- Hill states viz. Himachal Pradesh, Jammu & Kashmir, Uttarakhand

01- Union Territory Andaman Nicobar Islands

The LIS States are Bihar, Chhattisgarh, Jharkhand, Madhya Pradesh, Odisha, Rajasthan & Uttar Pradesh.

(b) System-level initiatives to strengthen sector governance and performance which include widening the scope of Affiliating Technical Universities (ATUs) to improve their policy, academic and management practices towards affiliated institutions, and

(c) Twinning Arrangements to Build Capacity and Improve Performance of institutions and ATUs participating in focus states.

Project Scope:

Only the Government and Government aided AICTE approved Engineering institutions/Engineering faculty/Engineering Teaching Department/Constituent Institutions of Universities/Deemed to be Universities and new centrally funded institutions in SCS are part of the project.

An estimated 200 Government and Government funded Engineering institutions including Affiliating Technical Universities (ATUs) are selected under different sub-components in one or two cycles.

Project Design:

TEQIP seeks to enhance quality and equity in participating engineering education institutions and improve the efficiency of the engineering education system in focus states.

The Project will support two components:

Component - 1		Improving quality and equity in engineering institutions in focus states	
Sub Components	1.1	Improving quality and equity in engineering institutions in focus states	JNGEC, Sundernagar got selected under Sub component - 1.1
	1.2	Widening Impact through ATUs in focus states	

	1.3	Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs	PEC University of Technology, Chandigarh Selected as mentor for JNGEC , Sundernagar
Component - 2	System Level initiatives to strengthen sector governance & performance		

2.1.5 Sub-component 1.1: Institutional Development for Participating Institutions

An estimated 90 Engineering Education institutions meeting (progressively) the enabling mechanisms and based on meeting minimum standards in quality of Institutional Development Proposals (IDPs), will be selected.

Institutions are required to define the activities in their IDP that they want to carry out in the project. These activities should be under the scope of the project and are those that fulfil the objectives of the project. However, some of the suggested activities under the scope of the project are given below:

- Procurement of Goods (equipment, furniture, books LRs, software and minor items) and minor civil works.
- Improvement in Teaching, Learning and Research competence.
- Improve student learning,
- Student employability,
- Increasing faculty productivity and motivation,
- Establishing a twinning system,
- Twinning arrangements with high performing institutions under Sub-component 1.3 to build capacity and improved performance
- Recruitment and retention of high quality faculty (through better faculty appraisal systems and the faculty recruitment plan) (Consultant services if required, can also be procured for the above said activities.)

Category-wise Funding for Key Activities per Project Institution (Government Funded, Government Aided Institution, NITs) Selected under Sub-component 1.1					
Sr. No.	Key activities	Category of Expenditure (Head of expenditure)	Percentage (%)	Cost (Rs. in crore) for non-autonomous institution	Cost (Rs. in crore) for autonomous institution
A	Procurement of Goods (equipment, furniture, books LRs, software and minor items) and civil works for improvement in teaching, training and learning facilities	Procurement	Up to 60%	6.00	9.00
B	Improvement in Teaching, Learning and Research competence' <ul style="list-style-type: none"> ▪ Improve student learning ▪ Student employability ▪ Increasing faculty productivity and motivation ▪ Establishing a twinning system <ul style="list-style-type: none"> ○ Twining arrangements with high performing institutions under Sub-component 1.3 to build capacity and improved performance 	Academic	At least 30%	3.00	4.50
C	Incremental Operating Cost	IOC	Up to 10%	1.00	1.50
TOTAL			100	10.00	15.00

Expenditure Status

Institution has utilized an amount of Rs. **86,58,000/- (Eighty Six Lakh Fifty Eight Thousand Only)** under TEQIP-III project till dated.

Academic activities:

Detail of training under TEQIP-III project:

Sr. No.	Type of Training	No of persons
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1.	Subject Domain/Pedagogy	35
2.	Trainings at IIM	03
3.	Summer Training at IIT Indore	28

- Institution has **conducted 09 training programmes/ workshops** for the faculty and students of this institution and detail is as follow:

S. No.	Name of Department	Event	Name of the Event	Date(s)
1.	Textile	One Week workshop	GATE Exam Preparation	19 th -23 rd December, 2017
2.	ECE	One Day Workshop	"Global and Indian Mobile Telecom Industry"	16 th January 2018
3.	Civil	One Day Workshop	"Landslides issues and remedial measures"	24 th Feb.2018
4.	Start Up Cell	One Day Workshop	"Idea Generation and Opportunity Evaluation "	16 th March, 2018
5.	Placement Cell	One Day Workshop	"Soft skills Development-Finishing School"	15 th March, 2018
6.		One Day workshop	placement workshop to share best practices	5 th March, 2018
7.	Institutional	Two Days workshop	"Outcome Based Education"	12-13 th March, 2018
8.	Institutional	One week STC	"Statistical Methods in Research Methodology	4-8 th June, 2018
9.	Textile Engineering	Workshop	"Innovation and Emerging Trends in Textile Industry"	28 th Sept, 2018

NBA Status

This institution is striving forward to get NBA status and has applied for NBA accreditation in 04 UG engineering programme (including Civil Engineering for which pre-qualifier has been accepted) on one fresh application. Further, this institution requested to NBA to adjust accreditation fee amounting Rs. 707868/- which is due for refund,

with the accreditation fee to be paid for 04 engineering programme on fresh application.

Student related activities:

1. **Two weeks Solidworks software training** was organized for the 30 no students 5th Sem. Mech. Engg w.e.f. 15th Dec. 2017 to 2nd Jan. 2018 by NSIC Ltd. Mandi.
2. **03 days Soft Skill training programme** for the 31 no students of Mechanical Engg w.e.f. **26-28th Feb, 2018** organized by the NSIC Ltd. In the Institution.
3. 42 nos students of B.Tech 2nd year Electronics & Communication Engineering attended Skill Development Training Programme (**Silver Certification**) at Regional Training Centre, BSNL Rajpura Punjab w.e.f. 18th December, 2017 to 6th January, 2018.
4. 24 nos students of B.Tech 3rd year Electronics & Communication Engineering attended Skill Development Training Programme (**Platinum Certification**) at Regional Training Centre, BSNL Rajpura Punjab w.e.f. 18th -30th December, 2017.
5. 44 students of B.Tech 3rd year Electronics & Communication Engineering of this college attended Vocational Training Programme at Regional Training Centre, BSNL Rajpura, Punjab w.e.f. 18th June, 2018- 28th July, 2018
6. 60 nos students of 2nd year ECE have attended skill development training programme for Silver and Gold Certification at BSNL Rajpura w.e.f. 21st May, 18 to 2nd June, 2018.

-Sd-

Director/Principal