

# PLACEMENT BROCHURE

## 2020-21



**उद्योगः सर्वार्थ साधकम्**

**JAWAHARLAL NEHRU GOVERNMENT ENGINEERING  
COLLEGE SUNDERNAGAR, MANDI (H.P)**

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## About JNGEC

Jawaharlal Nehru Govt. Engineering College, a premier engineering institution under the Department of Technical Education was established in the year 2006 by the Government of Himachal Pradesh. The institute has come up in the foothills of the Himalayan mountain range at Sundernagar, District Mandi (H.P).



The institution offers B.Tech programmes in 04 branches viz. Mechanical Engineering, Textile Engineering, Electronics & Communication Engineering and Civil Engineering. All four programmes are AICTE approved with an annual intake of 60 each. The institute boasts of the state of the art facilities in its premises. Within a short span of time, the institute has emerged as front runner in imparting quality technical education to the students in the state of Himachal Pradesh.

JNGEC has more than 1100 students on roll and the institute is affiliated to Himachal Pradesh Technical University (HIMTU) Hamirpur. Students are admitted to the institute on merit through JEE conducted by CBSE and through HPCET conducted by Himachal Pradesh Technical University (HIMTU) Hamirpur.

Institute regularly organises expert lectures, workshops, seminars and conferences to update students with the latest technologies which are not included in the curriculum but pertains to the latest requirements of the industry. In addition to the academics, emphasis is laid on the overall personality development by encouraging participation in extra curricular activities.



## Institute Vision and Mission

### VISION

"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 "



- 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 continues improvement in imparting technical education.
- To have a liaison with lead institutions and industries.

### MISSION



## Training & Placement Cell

JNGEC has a separate Training and Placement (T&P) Cell managed by a dedicated team. T&P Cell is a platform for the Training and Placement of students and acts as a window between students and the outside organizations. The Training and Placement Cell establishes contacts with different industries to arrange training and placement of pre-final year and final year students.



The Training and Placement Cell guides and helps the final year students in securing fruitful career with their knowledge and achievements, by organizing campus Interviews and exploring various avenues for their placement. T&P Cell extends all possible help and provides all available infrastructure facilities to the organizations and their respective officials conducting campus interviews in the college campus.



Training and Placement Cell conducts following key activities, regularly:

Aptitude Test Series

Expert Lecture/ Industry Talks

Mock Group Discussions

Industrial Visits & Internship

Mock Personal Interviews

Industry Academia Conclave

Technical Interviews

Personality Development Program

Training and Placement Cell is well equipped with infrastructure to conduct parallel placement sessions, video conferencing facilities and excellent boarding and lodging arrangements to the organizations visiting the institute for placement activities.

## Departments & Courses Offered

### Department of Mechanical Engineering

The Department of Mechanical Engineering is as old as the institute itself. The department strives to train its students in Mechanical Engineering as well as application of the scientific methods to conceive, organise and carry out scientific design of engineering systems. Students are given ample opportunities to become conversant with software's for analysis of practical engineering problems. The curriculum has been designed carefully to meet the needs of the academia and industry.

#### Laboratories:

**Strength of Materials**

**Fluid Mechanics Lab**

**Auto CAD**

**Heat Transfer**

**Dynamics Lab**

**Measurement and Control**

**Automobile Engineering**

**Refrigeration and Air Conditioning**

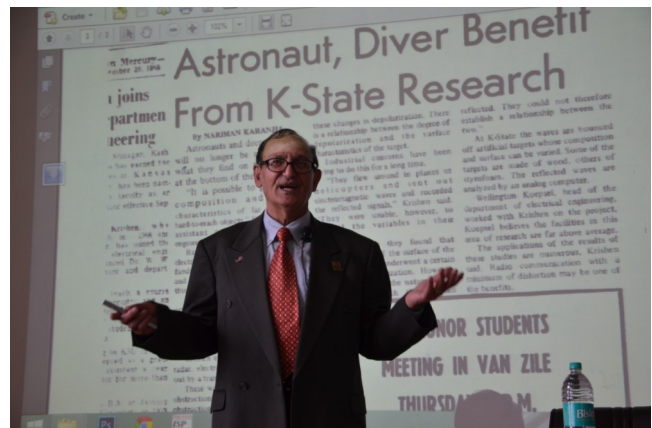
**Kinematics of Machines**

**Manufacturing Technology**

**Mechatronics**

**Software:**

**Auto CAD, Pro/E, Ansys, MS Steel**



#### Major Events Organised:

Various activities like National Workshops, Technical Events and Expert Lectures are conducted throughout the year. Details of a few of them are as aforementioned:

- "National Workshop on Renewable Energy
- "National Workshop on Energy Waste Management
- "Autospark Engine Overhauling Workshop
- " Engine Overhauling Workshop
- "Expert Lecture on Composite Materials by Dr. Inderdeep Singh—IIT, Roorkee
- "Expert Lecture on Thermal and Fluid Sciences by Dr. Om Prakash(IIT, Mandi)

# Department of Textile Engineering

The Department of Textile Engineering was started in 2006 with the establishment of this college and is one of its kinds in the state of H.P. The department offers B.Tech (Textile Engineering) with the aim to provide students with technical and specialized knowledge as well as with theoretical foundation necessary for development.

**Vision:** To become renowned Textile Centre for quality teaching, research and innovation.

## Mission :

- To strengthen the core competence in Textile Engineering through balanced and dynamic curriculum.
- To encourage research and development in the emerging areas of Textile engineering and promote Institute – Institute and Industry – Institute Linkages.
- To inspire students to improve quality of life, creation of wealth and economic development of the

**Laboratory Facilities:** Considered to be the most innovative field, the department has well equipped state of the art laboratories supervised by experienced faculty members which includes Fibre Science, Yarn Manufacturing, Fabric Manufacturing, Textile Testing, Textile Chemical Processing, Garment Manufacturing, Knitting & Textile Designing.



## Events Organised:

- Department organizes various National and International conference/workshop /symposium every year to bring together academicians and experts from different parts of the country and abroad to exchange knowledge and ideas.
- Expert lectures by Professors from renowned institutes like Technical University of Liberec, Czech Republic; NC State University, Raleigh, US; IIT Delhi, NIT Jalandhar, etc and by experts from industries like Vardhman, Winsome, and RSJ are conducted.



## Shining Alumni's:

Our Alumni are working in reputed organisations such as Vardhman Group, Aarti International Ltd. Ludhiana. Nahar Group of Industries Ludhiana, RSJ Textile Inspection Noida., Shingora Textiles Ludhiana, Saluja Group Ludhiana, Morarjee Group Nagpur, Shahi Exports Ghaziabad, Indorama Baddi, Sporting Ludhiana, Winsome Textile Industries Baddi. Moreover, some of our alumni also pursuing their higher studies (Postdoc, PhD, M.Tech, M. F.Tech) from reputed institutes like ENSAIT France, College of Textiles NC State University US, IIT Delhi, NIT Jalandhar, , NIFT Delhi, NIFT Gandhinagar etc.



## Department of Civil Engineering

Over a short span of time Civil Engineering Department has augmented various laboratories and other facilities keeping in view the contemporary technological advancement in Industry related to Civil Engineering. Department conducts industrial visits to make students familiar about the actual working site practices.

### Laboratories:

Concrete Laboratory, Geotechnical Engineering Laboratory, Highway Laboratory, Environmental Engineering Laboratory, Surveying Laboratory, Software Laboratory and Rock Mechanics and Engineering Geology Laboratory, ACC Knowledge Centre

### Software:

STAAD Pro, Water GEMS, Sewer GEMS, MX Roads, StormCAD

### Industrial and Research Exposure:

Workshops, Expert lectures, Industrial visits, Participation in technical/extra-curricular events activities, Industrial training of 2 or 4 months in renowned organizations, Projects/seminars & Research papers



### Major Events Organised

Workshop/Conference	Date
Latest Trends in Civil Engineering	7/9/19
Landslides-Issues and Remedial Measures	24/2/18
Urban Infrastructure Development	15/2/17
Advances in Sustainable Infrastructure Planning and Development	14/9/16
Innovation without Limits in Civil Engg.	18-19/3/16
Workshops by M/S Bentley on software STAAD Pro, Water GEMS, Sewer GEMS, MX Roads, StormCAD	5/8/17 and 3/8/17



### Alumni:

- Reputed Government organizations like HPPWD, I&PH, HPSEB, HPPTCL, Himurja, PUDA, MoDefense, Town and Country Planning, Pollution Control Board, Govt. Banks, Govt. colleges.
- Private construction and infrastructure companies.
- Higher studies from renowned international (Texas, Queensland) as well as national institutions (IISc, IITs, NITs, other prestigious institutes).
- Self-established entrepreneurs such as pvt. contractors .



# Department of Electronics & Communication Engineering

The Department of Electronics and Communication Engineering started in 2010 and since then it has developed best laboratory infrastructure. Department is equipped with all the main stream software and hardware required to build upon the theoretical and practical knowledge inculcated through curriculum. Students gain knowledge through expert lectures, workshop and seminars organised by the Department.

## Laboratories:

- Digital Signal Processing
- Electronics Simulation
- Matlab
- Basic Electrical
- Basic Electronics
- Power Electronics
- Microprocessors and Microcontrollers
- PCB
- EMMI
- Digital Electronics
- Analog Electronics
- Embedded Systems
- Computer programming



## Software:

Matlab(2013 and 2018 versions) , TINA, Lab View, Microwind

## Student Projects:

- Mobile Robot using AI
- Automatic car parking system
- Food monitoring and controlling system
- Smart Farm guard
- IoT controlled Robot
- Smart medical care for the elderly
- Hand Gesture controlled RC Helicopter
- Freezer (Hot & Cold)
- Footstep activated doorbell



## Institute Extra Curricular Activities

### 1. Start-up & Incubation Cell and Innovation Cell :

Institute has Start-up & Incubation Cell and Innovation Cell for implementing Government of India 'Start-up India' initiative and to encourage our student to work on new ideas and innovation and promote them to create start-up's and entrepreneurial ventures.

**2. NSS:** NSS volunteers of institute regularly organize cleanliness drive and public awareness activities throughout the Sundernagar.

**3. Unnat Bharat Abhiyan:** Institute has shortlisted 5 villages viz. Chamukha, Thala, Derdu, Kapahi and Thathar of Sundernagar locality under UBA. Student regularly visit these villages to discuss various challenges faced by people and to aware them about different govt. schemes.

**4. NCC:** NCC JNGEC Sundernagar was established in July, 2016 under the 2HP BN NCC Mandi. The sanctioned strength of NCC is 50 cadets. NCC JNGEC has adopted Thathar village of Sundernagar and organises different activities viz Blood Donation, Tree Plantation /Van Mahotsav, Swachta Abhiyan /Cleanliness Drive, Education to Slum Area Children, Social Evils Awareness Rallies, Disaster Awareness Exercise, Celebration of Republic Day ( Every Year ) and Celebration of Independence Day ( Every Year ).

**5. TWASK, Techno-Cultural Event:** TWASK is organised every year which included both technical and cultural activities.

**6. Annual Sports and Athletic Meet:** Institute organizes two days Annual Sports and Athletic Meet every year with different events both for girls and boys.





## Facilities for Recruiters

- Conference & Personal Interview Room
- Wireless internet facility
- Computer centre
- Video conferencing room
- Seminar room
- Logistics Facility

## Past Recruiters





## How to Reach Us

**Air:** nearest airport is Bhutar, near Kullu, which is 82 kms from Sundernagar.

**Rail:** nearest broad gauge railway station is Kiratpur Sahib (Punjab), which is 105 kms from Sundernagar.

**Road:** Sundernagar is about 450 kms from New Delhi and 180 kms from Chandigarh on NH-21 Chandigarh-Manali Highway. Frequent ac/ non ac/ Volvo bus services and taxis are available from Shimla, Chandigarh, Ludhiana and Delhi.

## Contact Us:

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### Departmental Faculty Representative:

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### Departmental Student Representative:

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