

# One Week Online Faculty Development Program on

## Information and Communication Technology (ICT) Tools for Teaching/Learning (14 to 18<sup>th</sup> Dec 2020)

### Sponsored By



### Organized by



## Department of Electronics and Communication Engineering

G. B. Pant Institute of Engineering & Technology  
Ghurdauri, Pauri Garhwal- 246194  
Uttarakhand  
(website-[www.gbpec.ac.in](http://www.gbpec.ac.in))

### ABOUT THE INSTITUTE

Govind Ballabh Pant Institute of Engineering & Technology, Pauri (Garhwal) is an Engineering Institute established in 1989 for imparting Engineering Education and promoting the technological environment of the Garhwal region, the state, and the country. It started its first academic session from 1991-92 with a limited intake. The institute has always been in tune with the practical problems and priorities of the present scenario of the world. As a panacea, it aims at shaping engineers, whose number can be at par with their counterparts anywhere in the country. Our students have gone on to make a mark for themselves in top-notch companies in India & abroad, while others have persuaded academics in reputed institutes and Universities in India, America & other countries. Presently, the institute is an Autonomous Institute of the Government of Uttarakhand and affiliated to the Uttarakhand Technical University, Dehradun.

### LOCATION OF G.B.P.I.E.T, PAURI

The College is located in the hilly terrain of Garhwal Himalayas at an altitude of about 1650 meters providing an excellent panorama of natural beauty. Pauri is well connected through roads with nearest railway stations such as Dehradun, Nazibabad, and Haridwar of Northern Railway. The campus is a sprawling over 169 acres of land with thick green forests. The institute is situated near village Ghurdauri, about 13 Km from Pauri city on Pauri-Devprayag. road. GBPIET Pauri is about 110 km from Rishikesh/Kotdwar and is well connected by roads. The nearest airport is Jollygrant (Rishikesh). Direct flights from Delhi to Jollygrant are available.



### ABOUT THE DEPARTMENT

The Department of Electronics & Communication Engineering is proud to be first department of the college established in 1991 to offer Bachelor's degree in Electronics & Communication Engineering with initial intake of 20 students. Presently, B. Tech. degree program has an intake of 60 students. The Department started Master's degree program in Digital Signal Processing in 2005 with intake of 10 students. The PhD program has been offered since 2013 in the field of solid-state devices, Microstrip antenna, Material Science, Digital Signal Processing, Machine Learning, etc. Department has awarded more than 10 Ph. D and 100 M. Tech. The Department has also published more than 500 research papers in reputed international journals/Conferences like IEEE Transactions, IEEE letters, IET, Elsevier, Springer, Wiley etc. The department, since its inception, has kept itself well abreast with the ever-changing demands of the industry and the technological developments.

The Department has highly qualified as well as young and dynamic faculty involved in research activities to provide quality education. In addition to this, the department also provides facilities to students in terms of expert lectures from guest professors, video courses and dynamic curriculum with emphasis on emerging areas through a variety of elective courses, seminars and project. The syllabi of the courses are continuously updated and the laboratories modernized to reflect the rapid changes in technology. With excellent labs and classrooms facilities, knowledge of able faculty, challenging and interesting course-work, integrating hands-on practical and research experience are motivating faculty and students for new innovations. Such technological strengths and pollution free peaceful environment of the Shivalik range of Himaliya, has provided unmatched opportunities for research, education, and service to society. It is really a great time to be a part of Electronics & Communication Engineering where electronics play a major role in daily life with advance communication technology.

## Objectives of FDP

Enhancement of technology skills is essential to cope up with the current technological world. Especially teachers should adopt various information and communication technology (ICT) tools for the effectiveness of teaching-learning. In this program, we will go through the following tools:

Topics of interest include, but are not limited to the followings:

- Effective use of ICT for transforming pedagogy and empowering students; Empowerment through Communication skills.
- Adopting online/blended-learning in the teaching-learning process.
- MOOC: Use of MOOC for contents management, class organization, assessment; MOOC's deployment and use; Building Course Website and Google Suite.
- Teaching Learning Tools & e-content generation: Using tools for teaching-learning-interactive whiteboards/ smartscreens, video-conferencing, digital content creation, design of instructional material & presentation.
- Content Dissemination: Management, Version Control; ICT tool for English language teaching and learning; Illustration tools and author aids-Visio.Computer-Based Training (CBT): CBT for letters generation, certificate preparation, report writing, presentation and posters preparation, Spreadsheets & evaluation, research resources & bibliography management, etc

## Call for participation

Faculty members of UGC/AICTE recognized Universities and Engineering colleges all over the country, research scholars and Industry personals. However priority will be given to the faculty members.

- Seats are limited and the selection will be done on first-come-first serve basis.
- E-certificate will be provided on course completion to the participants.

## Committee

### Patron

Prof. (Dr.) Mahipal Singh Chauhan  
Director, GBPIET Pauri Garhwal, UK

### Convenors

Prof. Y. Singh  
Prof. A. K. Gautam

### Coordinators

Dr. M. K. Agarwal  
Dr. K. S. Bhatia  
Dr. R. B. Yadav  
Dr. Balraj Singh  
Mr. Vinay Mohan  
Dr. Manisha Bhatt

### Organizing Committee Members

Dr. Rajesh Kumar  
Dr. S. Naithani  
Mr. Manoj Kumar  
Dr. A. R. Verma  
Mr. Ajay Kumar  
Mr. Sandeep Kumar  
Mr. Pushkar Praveen  
Mr. Sandeep Rana  
Mr. Rishi Raj Singh

### Contact Persons

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## Resource Persons

Dr. Manpreet S. Manna, Faculty at SLIET Longowal, Punjab India

Dr. Sinivasa K G, Professor NITTTR Chandigarh India

Dr. Balwinder Singh Dhaliwal, Associate Professor NITTTR Chandigarh India

Dr. Gagandeep Kaur, Faculty at Institute of Information Technology and Management Delhi India

Dr. Vandana Punia, Dean Guru Jambheshwar University Hisar India

Dr. Inder Preet Kaur, Director Engineering, DBU mandi Gobindgarh, Punjab

Dr. Param Parmeswaran, Faculty at National University Gujarat India

Dr. R.C Sharma, Professor OER University

Dr. Parveen Sharma, Faculty, Communication skills & Innovative Learning Uniskills, Kurukshetra, Haryana.

## Registration Process

- No fee will be charged from participants.

**Link for registration:** please copy and paste the link in web browser for filling the google form.

- <https://forms.gle/D9oiAh4qfNVwQBEX8>
- The brochure of the program may be downloaded from the Institute website: [www.gbpec.ac.in](http://www.gbpec.ac.in)
- Last date of registration: **12.12.2020**