

# UIT NEWSLETTER



## **A Quarterly Publication By**

University Institute of Technology

H. P. University Shimla-171005

A NAAC Accredited "A" Grade University

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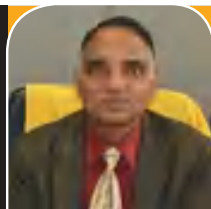
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# U I T C A M P U S

## “EYES OF KNOWLEDGE SEETH”

University Institute of Technology (UIT) is located on the campus of Himachal Pradesh University at Summer Hill, Shimla. This institute started functioning on 11th September, 2000 through the orders of the Executive Council of Himachal Pradesh University after approval from All India Council for Technical Education (AICTE). Initially, it was started with a batch of 60 students for B. Tech. (Information Technology) whereas B. Tech. (Computer Science Engineering) had also been introduced in 2013 with an intake of 60 seats. With the keen efforts of Hon'ble Vice Chancellor Prof. Sikander Kumar, UIT has added three new B. Tech. course branches from the academic session 2019-2020 namely- Electronics and Communication Engineering (ECE), Civil Engineering (CE) and Electrical Engineering (EE), with an intake of 60 each. Now UIT is a well-known Institute throughout not only in India but abroad also, for its quality product. UIT is a leading self-financed government institute of North India. It offers an excellent

learning environment amid the towering deodar trees with a unique blend of distinguished faculty, brilliant students and strong IT industry collaborations. Its new building, “SILVER WOODS ESTATE”, situated amid rich flora and fauna has been aesthetically planned and designed with excellent infrastructural facilities to offer a congenial environment for the students. The students here pursue their studies in a perfect serene and tranquil environment with beautiful and exquisite surroundings. It is the place where the students lay a strong foundation of their careers.

In view of three new Engineering courses added to the already existing two well established courses, UIT is one the largest Department of H. P. University. Thus, the expansion of campus of UIT is in the priority list of University authority. Hon'ble Vice Chancellor is pressing hard to get new academic blocks and residential buildings constructed in near future and process for this is underway. Very soon we would be able to see new additional infrastructure constructed for UIT.

# ONLINE CLASSES AND EXAMINATIONS



**D**ue to outbreak of Covid-19, the regular classes for session July-December 2020 could not be conducted as per the academic schedule. Therefore, considering the scenario of Covid-19, the classes for this session continued from December 2020 to February 2021 via

virtual mode using platform such as Go-to-Meeting and Google Meet app. The teachers in the university provided every possible assistance to the students regarding online classes. The power-point lessons, video lectures and notes were provided on the google classroom platform. The online classes ended in month of February and then the final examinations were scheduled.

The practical examinations for the 1st, 3rd, 5th and 7th semesters of various discipline (IT/CSE/CE/EE/ECE) were conducted from 8th March to 22nd March. The final end semester examination of the B.Tech. for this session were supposed to be conducted in the month of April 2021. But due to outbreak of the Covid-19 and imposed lockdown the examination was postponed. During the lockdown, UIT decided to conduct online classes for the next even semesters (2nd, 4th, 6th and 8th) from May to August 2021 via online mode. During the even semester, the End Semester Examinations for previous semester were conducted. HPU was committed to conduct offline examination with all possible precautions and care. Therefore, it was decided by University that some extra examination centers will be created in different parts of the state to follow the COVID-19 advisory/instructions. Thus, five additional examination centers were created besides the usual exam centre at UIT Campus, with all SOPs kept in place. Before final examinations, the students are granted preparatory holidays

from 15<sup>th</sup> June to 30<sup>th</sup> June 2021. The semester End Examination for B. Tech (IT/CSE/EE/CE/ECE) started w.e.f 01.07.2021 to 15.07.2021, held at following examination centres:

1. **University Institute of Technology, HPU Shimla.**
2. **Govt. Degree College Kangra, HP.**
3. **Govt. Degree College Mandi, HP.**
4. **Govt. Degree College Solan, HP.**
5. **Govt. Degree College Bilaspur, HP.**
6. **Govt. Degree College Palampur, HP.**

Further, no untoward incident or COVID case was reported due to these offline examinations, which are the testimony that the SOPs were followed in the letter and spirit. After the completion of end semester examination for the previous (odd) semester, the online classes for even semester were resumed. However, the online practical examination for the 8<sup>th</sup> semester was conducted from 8-11<sup>th</sup> august and final examination were conducted in offline mode at examination centers across HP during 29<sup>th</sup> July-7<sup>th</sup> August 2021.

# PRAVESH UIT-2021

The UIT released an e-prospectus “PRAVESH UIT 2021” for undergraduate B. Tech programme for the academic session 2021-22 on June 2021. The portal to fill the admission form was opened on 15<sup>th</sup> June 2021 for the applicants seeking admission in first year and second year (lateral entry). The late date of filling online application form was 10<sup>th</sup> July 2021 and 25<sup>th</sup> July 2021 for fresh entry and lateral entry, respectively.

The Prospectus sketches out a detailed admission schedule giving important dates and timings. For admissions in B. Tech programme, UIT conducts it's own common entrance examination so that the students can be selected specifically for the branches they adopt when pursuing their studies. Total five stream viz. CSE, IT, ECE, CE, EE, in the B. Tech programme are being run by the UIT. All these streams received an overwhelming response for the admissions. In the response, total six examination centres were created to conduct the Entrance test of UIT. The four center were created in H.P (at Shima, Dharamshala, Mandi and Hamirpur) while two centres are created outside H.P at Delhi and Chandigarh. But due to a limited candidate strength at Delhi centre and Chandigarh centre, later was shifted to H.P. Centers. The entrance test is going to be held during August 2021. Based on the score in entrance examination, student will be admitted in the first year while for Lateral Entry scheme, admission will be based on the score of candidates in their diploma courses of concerned branch. The number of seats in diploma courses is 10% of the total sanctioned strength plus the number of seats left vacant in first year of concerned stream.





# INTERNATIONAL WOMEN'S DAY CELEBRATION

The University Institute of Technology, Himachal Pradesh University organized the “International Women Day” through online mode on 08.03.2021. The Chief Guest and Invited speaker of this Programme was Mrs. Rakhil Kehlon, IAS, Special Secretary to Education, Health and Housing, Government of Himachal Pradesh.

On this occasion, Mrs. Rakhil Kehlon highlighted the achievements of the women and the nice way in which the women are working in the country



on constitutional, political and administrative positions. Mrs. Rakhil Kehlon emphasised that the women are working very hard from household to the top level structures in different fields of life. Keeping in view the theme of International Women Day for the year 2021, i.e. **“Choose to Challenge”** Mrs. Rakhil Kehlon said that the Women should equally participate and lead the society for the betterment and progress of the country. On this occasion, she also shared her experiences of life like support of parents, family as well as Society and the struggle being faced by the women. She said that at the Government level, number of schemes are running for the welfare of the women. Mrs. Rakhil Kehlon also shared the instance of her family that she has given direction to her son to always give protection and respect to the women.

Speaking on the occasion of “International Women Day” the Director, University Institute of Technology, Himachal Pradesh University Professor P. L. Sharma highlighted the importance of Women starting from Ancient age to this modern age. Prof. P. L. Sharma quoted many examples on this occasion of the women day, who have been the symbol of the inspiration of the society. Prof. P. L. Sharma also emphasised the role of women which is given in the National Education Policy, 2020. In this policy under the system of 5+3+3+4, the first stage of five years is directly related to the first teacher of baby i.e. woman. On the concluding remarks Prof. P. L. Sharma said that UIT is also planning to implement the National Education Policy, 2020 in UIT to run the technical courses from the coming session 2021-2022 effectively.

On the eve of the “International Women Day”, all the Faculty members, Non-teaching staff as well as students of UIT participated through online mode and state on oath that they will also respect the women society and to protect them as and when required during their lifetime.

# FACULTY AWARENESS WORKSHOP ON NPTEL & SWAYAM

The University Institute of Technology, Himachal Pradesh University organized the “Faculty Awareness Workshop on NPTEL & SWAYAM” on 19.03.2021. The speaker of this Programme was Dr. (Mrs.) Nikita Gupta, Assistant Professor, UIT, HPU.

On this occasion, Dr. (Mrs.) Nikita Gupta created awareness among faculty members of UIT about NPTEL and its various initiatives. Dr. Gupta highlighted the importance and benefit of the NPTEL for career advancement of the faculties. She talked about the online





certification and concept of local chapter of NPTEL. She also discussed about SWAYAM, an initiative launched by MHRD, Govt. of India, which provides a coordinated stage and free web resources covering all the advanced engineering courses and skill sector courses. Dr. Nikita suggested all the faculty members of UIT to encourage their students to take up online certification courses as per their area of interest. This will not only give student a flexibility of choosing the subject of their interest but also helps in their career advancement.

Speaking on the occasion of “Faculty Awareness Workshop on NPTEL & SWAYAM” the Director, University Institute of Technology, Himachal Pradesh University Professor P. L. Sharma congratulated Dr. Gupta for the successful completion of the workshop. Prof. Sharma also emphasised all the faculty member to take at least one MOOC course per semester. All the Faculty members of UIT enthusiastically participated in the workshop.



# ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON RENEWABLE POWER: GENERATION, CONTROL AND APPLICATIONS

The University Institute of Technology (UIT), HPU, Shimla, hosted an online faculty development programme (FDP) on Renewable Power: Generation, Control and Applications (RPGCA-2021) from June 14 to June 18 2021. An initiative of Electrical Engineering department of UIT, this programme was planned with motive to polish the renewable energy power generation amongst the faculties. Different experts, delegates and participants from various prestigious institutes throughout India and abroad were invited to share their wisdom and valuable insights regarding the topic.

Around 125 participants, including Faculties, Industrial Delegates and Research Scholars, confirmed their participation in the five-day event being conducted using video conferencing mode. The participants joined not only from different states of India, but also from different countries like USA, UK, Singapore, UAE, Austria, etc. The online FDP sessions would be handled by experts from eminent institutions such as NITs and Industries functioning in different States.

The programme was inaugurated on Monday at 10:30 a.m. by the chief guest of the programme, Prof. P L Sharma, Director, University Institute of Technology (UIT). In his address, he stated that teachers are role models for the nation and that

teaching is the most satisfying career since it provides many opportunities to give back to society. Prof. PL Sharma stated, "Dare to take initiatives, set lofty goals, and work to achieve them, success will follow you" Prof. PL Sharma emphasized the importance of renewable energy power generation and stated that UIT is fully committed to its participation in energy conservations through renewable power.

Dr. Sanjay Sharma and Dr. Nikita Gupta, Assistant Professors, UIT and coordinators of the Faculty Development Programme appreciated the efforts of management in providing the opportunity to organize such events. They said, that these platforms not only expand faculty minds, but also provide them with new

perspectives to work in, and they should be used on a regular basis.

Total 10 lectures were delivered in this FDP including one lab solution lecture specially organized from Scientech Technologies, leaders in laboratory solution development in universities. On each day two lectures will be delivered one in morning and other in evening session. The invited speakers are: from NIT Hamirpur: Dr. Amit Kaul ji, Dr. Himesh Handa ji, From NIT Jalandhar we have Dr. Vivek Sharma ji, Dr. Rajvir Kaur ji from Singapore university of technology and design, Dr. Sandeep Kumar ji from SIET Hyderabad, Dr. Kamaldeep Boora ji from SMVD, Katra, and lastly Mr. Uday Bhole, Scientech Technologies.

Day & Date	Session 10:30 AM - 12:00 PM	Session 2:00 PM - 3:30 PM
Monday 14/06/2021	(Session 1) <b>Inaugural Session</b> <b>Dr. Amit Kaul</b> Assistant Professor, NIT Hamirpur AI & Deep Machine Learning in Electrical Engineering	(Session 2) <b>Dr. Rajvir kaur</b> Singapore university of technology and design Security of Cyber physical systems (as case study)
Tuesday 15/06/2021	(Session 3) <b>Dr. Sandeep Kumar</b> Professor, SIET Hyderabad Deep Machine Learning in Biometrics	(Session 4) <b>Mr. Rahul Sharma</b> Scientech Technologies Laboratory technologies for Renewable Energy
Wednesday 16/06/2021	(Session 5) <b>Dr. Nikita Gupta</b> Assistant Professor, UIT, HP University, Shimla Data Integration of Solar Photovoltaic Systems	(Session 6) <b>Dr. Himesh Handa</b> Assistant Professor, NIT Hamirpur Artificial application in control systems
Thursday 17/06/2021	(Session 7) <b>Dr. Kamaldeep Boora</b> Assistant Professor, Shri Mata Vaishno Devi University, Katra Application of Multibody simulation in Renewable Energy	(Session 8) <b>Dr. Sanjay Sharma</b> Assistant Professor, UIT, HP University, Shimla Security aspects of smart Renewable Energy
Friday 18/06/2021	(Session 9) <b>Dr. Vivek Sharma</b> Assistant Professor, NIT Jalandhar Machine Learning and Application	(Session 10) <b>Valedictory Session</b>

## AICTE APPROVAL FOR ACADEMIC YEAR 2021-2022

To maintain the academic standards, the requisite process of approval is sought every academic year from All India Council of Technical Education (AICTE) for all the academic programmes of University Institute of Technology (UIT), Himachal Pradesh University Shimla.

Dr. Tarun Sharma, Assistant Professor of ECE Department, was the coordinator of AICTE approval process. All India Council of Technical Education (AICTE) has given its approval for the undergraduate B.Tech. courses being run by the UIT for the academic session 2021-2022 on 30-June-2021. The most important benefit of being a student of an AICTE approved university/institute is that it helps in further studies in India as well as better the candidate's job opportunity within and outside the country.

## UPDATION OF SYLLABUS AND CURRICULUM

A meeting of **Board of Studies (BOS)** of all the branches of engineering was held on **05.06.2021 at 10:00 am** in online mode. Prof. (Dr) P. L. Sharma, Director of UIT, chaired the BOS meeting. The syllabus and curriculum of all the Departments were updated as per AICTE model curriculum, where the students will understand the industry requirements and have hands-on experience. The students will develop a problem solving approach and will be able to meet the challenges of future. For the newly opened departments i.e. ECE, EE and CE, a whole new curriculum and syllabus for fifth to eight semester were also approved in this meeting. B.Tech. Honours was included as a part of B.Tech. program. A student will be eligible to get B.Tech. degree with Honours only, if he/she completes additional recommended courses (Equivalent to 20 credits; NPTEL Courses of 4 Weeks, 8 Weeks and 12 Weeks shall be of 2, 3 and 4 Credits respectively) through MOOCs.



## STUDENTS ACHIEVEMENTS

1. Two alumni of University Institute of Technology (UIT), HPU have cleared HAS 2021 conducted by HPPSC result of which was declared on 20.03.2021.
  - Er. Mayank Sharma (B.Tech. IT, Batch 2012) S/O Sh. Ashwani Sharma has secured 2<sup>nd</sup> position. He is posted as a HAS.
  - Er. Anshul Kumar, (B.Tech. CSE, Batch 2017) S/O Sh. Ajay Kumar has been ranked 15<sup>th</sup>. He is posted as a DEO.
2. Five students of UIT of batch 2021 have cleared GATE entrance examination 2021.
  - Sourav Sharma is ranked among top 100)
  - Arjun Dutta secured 487<sup>th</sup> all India rank.
  - Kartik Karalia
  - Akshay Pathania
  - Anshul Thakur.

# PROF. P. L. SHARMA

## DIRECTOR UIT



Prof. P. L. Sharma, Director UIT, receiving the "Best Teacher Administrator Award" during the 52nd foundation day celebrations of the H. P. University, Shimla

1. Acted as a member in two days inspection at Arni University during 02.03.2021-03.03.2021. Members of Inspection Committee: Prof. PL Sharma, Principal NN Sharma, Sunder Sharma, Sh. Desh Raj Sonkhle (HPFAS), Mamta Thakur.
2. Conducted interview for the faculty management, UIT at VC Office that was scheduled on 05.02.2021 later postponed to 10.02.2021.

3. Performed a duty of NTA observer at ST. Thomas School AISSEE (Sainik School) on 07.02.2021.
4. Conducted Ph.D. Viva Voce of Mr. Amit C. Dabhole, a student of Prof. K.P. Ghadle, Deptt. Of Mathematics, Dr. Ambedkar Marathwada University, Aurangabad, Maharashtra on 25.02.2021.
5. Conducted Examination at UIT for HP subordinate Hamirpur organized by Ediquity, through online computer based mode on 26.02.2021.
6. Acted as a subject expert in Mathematics JRF-SRF interview conducted on 05.03.2021. Other subject expert: Prof. Satyabir Singh and Prof. Mahavir.
7. Celebrated women International Day through online mode on 08.03.2021. Mrs. Rakhil Kehlon spl. Secretary Education HP Govt. was the invited speaker.
8. Acted as a member of BOS at Bahara University on 09.03.2021.
9. Conducted Entrance Exam for Ph.D. on 10.03.2021.
10. Conducted External Practical Exams through online mode from 08.03.2021 to 16.03.21.
11. Conducted BOS meeting for Centre for Indian Mathematics on 18.03.2021. Other members: Prof. Satya Bir Singh, Prof. Vinay Kumar and Department of mathematics
12. Conducted NPTEL awareness workshop on 19.03.2021. Lecture to faculty members was delivered by Dr. Nikita. Opened a NPTEL Local chapter at UIT Shimla.
13. Mathematica and MATLAB software were installed on 25.03.2021
14. Conducted Counselling for Ph.D. Mathematics for SC/ST on 31.03.2021. Also certification of HGP.
15. Covishield Vaccination was provided till 4:00 PM on 08.04.2021. Prof. PL Sharma and Rekha Sharma

16. Member of selection committee for the appointment of Assistant Prof. in English Deptt. that was conducted on 12.04.21.
17. Dr. Seema Banta joined as an assistant Professor (English) in UIT on 28.04.21.
18. Mr. Shiv Kumar joined as an AR in UIT on 29.04.2021.
19. Started online classes of B. Tech students of UIT on 03.05.2021.
20. Conducted AICTE-NEAT webinar for all B. Tech. Students and teachers on 06.05.2021.
21. B.Tech. Hons. Awareness seminar was given by Dr. Nikita at UIT on 07.05.2021.
22. Tender for opening of Website for UIT-HPU held on 10/05/21
23. Got approval for two AICTE FDPs on 12/05/2021. One in Dept. of Civil Engineering under Dr. Mahesh Sharma and another one for Dr. Tarun in Dept. of Electronics and Communication Engineering.
24. Headed BOS (Board of Studies) meeting of all the branches of UIT on 5/06/21.
25. AICTE inspection was conducted through online mode in UIT on 07.06.2021.
26. Delivered Lecture on topic “Cryptography and its applications” to faculties and B.Tech./M.Tech student of Electronics and Communication Deptt. Of Punjab University on 08.06.2021.
27. Arranged a guidance lecture for the students regarding career counselling on 11.06.2021.
28. Inauguration of 4 days FDP (Faculty Development Program) of 4 days organized by Dr. Sanjay Sharma and Dr. Nitika Gupta on “Renewable Power: Generation, Control and Applications (RPGCA-2021)” from 14.06.2021 to 18.06.2021.
29. Two days AICTE Kanpur EVC meeting held from 14/06/21 to 15/06/21.
30. Mr. Pradeep Kumar joined as Assistant Professor in the Dept. of Physics and also Dr Shyam joined as Associate Professor on 16/06/21.

31. Headed Meeting of all faculties regarding syllabus on 18/06/21.
32. EVC- AICTE mumbai (Bombay) 19/06/21
33. EVC AICTE mumbai (Bombay) 21/06/21
34. Two days AICTE Hyderabad 23/06-to 24/06/21
35. Meeting of BOS on 26/03/21
36. EVC of AICTE –Hyderabad from 25 to 26 /06/ 21
37. Function for retirement of RP Sharma in the Department was held on 29/06/21
38. Retirement of R.P. Sharma was held at Seminar Hall of Biotech on 30/06/21
39. EVC for AICTE Hyderabad( one day) was held on 30/06/21
40. Examination of 1st , 3rd, 5th , 7th Semester started from 1/7/21
41. The Hon'ble Director P.L Sharma got their second dose of vaccination on 01/07/2021
42. AICTE Hyderabad- EVC- 4/7/21
43. AICTE Hyderabad –EVC 5/7/21
44. Webinar on Matlab held on 8/7/21 from 10:30 to 12:30 pm
45. Faculty meeting at centre for Indian Mathematics held on 9/7/21.
46. Prof. (Dr.) P. L. Sharma, Director, University Institute of Technology (UIT); Chairman Department of Mathematics, received "Best Teacher Administrator Award" during the 52nd foundation day celebrations of the Himachal Pradesh University, Shimla.

# FACULTY ACHIEVEMENTS

## 1. Dr. Shyam Chand, Associate Professor, Physics

- Published a research paper: Title "Effect of Inter-dot Coupling on Transmission Probability of a Triple Quantum Dot Systems" **International Journal of Scientific Research in Physics and Applied Sciences**. Volume-9, Issue-3, pp.20-25, June (2021) E-ISSN: 2348-3423.
- Finalized Prospectus and online Admission form for PRAVESH-UIT-2021
- Facilitated about 120 Low income group, minorities, wards of Armed forces, meritorious girl students of UIT to register on NSP for various scholarship schemes. Scholarships for all these students have been sanctioned by the Government in March 2021.
- Submitted a proposal to the Hon'ble Vice Chancellor HPU, to start a Master of Science programme in Data Science and Artificial Intelligence, in the capacity of a Team Leader of the Team constituted by the Hon'ble Vice Chancellor for the same purpose. Proposal has been approved and the said M. Sc. degree programme shall start functioning w.e.f. the academic session 2021-22.
- Got promotion from Assistant Professor (Level-III) to Associate Professor (w.e.f. 20.03.2020), after facing screening and Selection Committee.

## 3. Dr. Neeru Sharma, Associate Professor, ECE

- One student defended his Ph.D viva under her guidance on 09/04/21
- Attended a 4 week induction programme for "Faculty in Universities/Colleges/Institutes of Higher Eductaion" organized by Ramanujan College, University of Delhi during February 11- March 13, 2021

## 2. Dr. Akshay Bhardwaj, Assistant Professor, IT/CSE

- **Published two patents:**
  - i. Cloud computing system for medical health care
  - ii. System and method for data reconstruction in wireless sensor networks for internet of things

## 5. Dr. MAHESH SHARMA, Assistant Professor & Head Department of Civil Engineering

**Qualification:** BTech, MTech, PhD

**Area of Specialization:** Civil Engineering

**Areas of Research:** Geotechnical Engineering, Landslides; Disaster Mitigation, Soil-Structure Interaction; Slope Stability Analysis; Landslides; Reinforced Retaining Structures

**Research/ Teaching Experience:** 6 years

### Total Citation Record and h-index

	All	Since 2016
<b>Citations</b>	133	133
<b>h-index</b>	7	7
<b>i10-index</b>	6	6

### Progress Report (Feb-August)

### Major Administrative Responsibilities

No.	Position Held	Period
1	Head, Department of Civil Engineering UIT-HPU Shimla	July, 2021-Present
2	Member, Expert committee Private Regulatory Commission, Government of HP	Feb, 2021-Present
3	Training & Placement Head, UIT-HPU, Shimla	December, 2020 – Present
4	Founding Chief Associate Editor, Himalayan Journal of Engineering Sciences, (An International Peer Reviewed Journal)	December, 2020-Present
7	Member- (Expert committee - NAAC) HPU, Shimla	Feb, 2021-Present
8	Incharge, Website, UIT-HPU Shimla	June, 2021-Present

9	Member, Committee on Digitization of Examination Records, HPU Shimla	June, 2021-Present
10	Deputy Superintendent for conducting exams of BTech program at UIT	July 2021-August, 2021

### Other Responsibilities

1. Paper setter for the BTech exams conducted by Himachal Pradesh Technical University, Hamirpur, HP.
2. Paper setter for the BTech exams conducted by Himachal Pradesh University, Shimla.
3. Designed syllabi for BTech courses of Civil Engineering, 2021, UIT, HPU, Shimla.

### Paper Published in reputed Journals

1. Kumar R, Lakhani Rajni, Singh B, **Sharma M**, Negi SK (2021) Agro-industrial Wastes Incorporated Cement Stabilized Mud Composites for Roof and Wall Assembly in Energy Efficient Building Envelope, **Lecture Notes in Civil Engineering, Springer**.

### Publications in National/ International Conferences:

1. Agarwal, E, **Sharma M**, & Pain A (2021). Probabilistic stability analysis of helical soil nailed wall using the Monte-Carlo Simulation. In: Proceedings of Virtual Conference on Disaster Risk Reduction (VCDRR 2021), 15<sup>th</sup> – 20<sup>th</sup> March 2021 (In Press). **Lecture Notes in Civil Engineering**, Scopus Indexed, Springer

### Research Papers Reviewed

1. Comparison of unsaturated interface shear strength results measured by soil-structure and soil-nail interface shear tests, **International Journal of Geotechnical and Geoenvironmental Engg.**, ASCE, USA
2. Physical modelling of caving propagation process and damage profile ahead of the cave-back, **International Journal of Physical Modelling in Geotechnics**, ICE London.

### Teaching Courses

Course No.	Course Title	Level	Type
CE 4001	Water Resource Engineering-I	UG	Mandatory
CE 4005	Computer Aided Civil Engineering Drawing	UG	Mandatory



**Research/ Industry Projects**

No.	Project Name	Sponsor	Period
1	Development of a novel reliability based method for efficient design of reinforced structures in hilly regions	National Higher Education Mission, Government of India	July, 2021-Present

**6. Dr. Nikita Gupta, Assistant Professor, EE**

- **Published Research Papers:**

- Nikita Gupta**, Rahul Dogra, Rachana Garg, Parmod Kumar. Review of Islanding Detection Schemes for Utility Interactive Solar Photovoltaic Systems. International journal of Green Energy. June 2021.
- Nikita Gupta**, Rachana Garg, Parmod Kumar. Grid Synchronization and islanding detection control algorithm for two-stage three-phase SPV system. IETE Journal of Research. February 2021.
- Mahajan Sagar Bhaskar, **Nikita Gupta**, Sivakumar Selvam, Dhafer Almakhlles, P. Sanjeevi kumar, Jagabar Sathik, Umashankar Subramaniam. A New Hybrid Zeta-Boost Converter with Active Quad Switched Inductor for High Voltage Gain. IEEE Access. January 2021.
- Sanjay Kumar, **Nikita Gupta**, Vineet Kumar, Tarlochan Kaur. A systematic approach for solar and Hydro resource assessment for DC Microgrid applications. Book chapter accepted in a book titled DC Microgrids Advances Challenges and Applications, Wiley Scrivener Publishing to be released in August 2021.

- **Seminars and Workshops Attended:**

- 5-day **Online FDP** on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 28 June, 2021 to 2 July, 2021.
- AICTE Training And Learning (ATAL) Academy Online Elementary FDP** on "A Five Day Online AICTE Training and Learning (ATAL) Academic FDP Programme On Fuel Cell Technology [FCT-2021]" from 21st June to 25th June 2021 at National Institute of Technology, Rourkela.
- Attended **Panel discussion** on “Solar PV and its Future challenges,” organized by department of electrical engineering, Jamia Millia Islamia, New Delhi, on 20th June 2021.

- iv. **NPTEL E-Awareness Workshop** organized by Institute Of Excellence In Management Science Hubli and KLE Dr. M.S.Sheshgiri College of Engineering and Technology in association with IIT Madras on 21st May, 2021.
  - v. **NPTEL E-Awareness Workshop** organized by Brainware University in association with IIT Madras on 19th May, 2021.
  - vi. **Online Virtual Lab workshop** on “Understanding and exploration of Virtual Lab” organized by OP Jindal University, Raigarh (C.G.), in association with the Indian Institute of Technology, Delhi (IITD), on 10th May, 2021.
- **Lectures Delivered:**
    - i. “Faculty Awareness Workshop on NPTEL-SWAYAM,” Workshop organized by University Institute of Technology, HPU, Shimla, March 19th, 2021.
    - ii. “Student Awareness Workshop on AICTE B.Tech. Honours Scheme and NPTEL-SWAYAM,” Workshop organized by University Institute of Technology, HPU, Shimla, May 7th, 2021.
    - iii. “Grid Integration of Solar Photovoltaic Systems,” lecture delivered in Online Faculty Development Program on Renewable Power Generation Control and Applications (RPGCA-2021) organized by University Institute of Technology, Himachal Pradesh University, India, June 16th, 2021.
  - **Seminars and Workshops Organized:** Online Faculty Development Program on Renewable Power Generation Control and Applications (RPGCA-2021) in University Institute of Technology, Himachal Pradesh University, India, June 14th-18th, 2021.

## 7. Dr. Sanjay Sharma, Assistant Professor, EE

- Published Research Paper/Chapter
  - i. Sharma, Varun, Sanjay Sharma, Om Prakash Verma, Bhuvnesh Bhardwaj, Tarun Kumar Sharma, and Nikhil Pachauri. "Prediction and optimization of abrasive wear loss of ultrahigh strength martensitic steel using response surface methodology, Harris Hawk and artificial neural network." International Journal of System Assurance Engineering and Management (2021): 1-17.
  - ii. Sanjay Kumar, Nikita Gupta, Vineet Kumar, Tarlochan Kaur. A systematic approach for solar and Hydro resource assessment for DC Microgrid applications. Book chapter accepted in a book titled DC Microgrids Advances Challenges and Applications, Wiley Scrivener Publishing to be released in August 2021.

- iii. Nitish Katal, Sanjay bKumar, S.K. Singh, Covariance Matrix adaption evaluation strategy for robust load frequency control of hydro system, Songkanakar journal of science & technology.
  - iv. Sanjay Kumar, Har Amrit Singh Sandhu, Sanjay Kumar Singh, PRAVEEN AGARWAL, Uday Awasthi, Analysis Of Covid-19 Outbreak Using Gis And Seir Model Book chapter accepted in a book titled Fractional Order Systems and Applications in Engineering, elsvier publication accepted in August 2021.
  - v. Kamaldeep Boora , Sanjay Kumar , Arjun Tyagi and Himanshu Sharma , Selective Harmonic Elimination for Cascaded Multilevel Inverters Using Particle Swarm Optimization Algorithm, accepted as book chapter in RESMOA2021, Wiley Scrivener Publishing to be released in August 2021.
- **Patent Filed:** Kumar Sandeep; Jain, Arpit; Raja, Rohit; Rani, Shilpa; Mandeep Kumar; Prasad Kanti Pudi, Kumar Sanjay; Devadi Rakesh , Kumari Pooja, Sharma Vivek, “Deep Learning Based Robotic Judge for Rash Driving Crime” Application No. 202141002082 Status: Filed. Date of Filing 16/01/2021.
  - **Seminars and Workshops Attended:** Faculty Development Program on Artificial Intelligence & Machine Learning from June 28-July 2, 2021 in association with IEEE organized by The ICFAI University, India.
  - **Lectures Delivered:**
    - i. “Delivered a talk on IoT & Energy Sector, in faculty development programme (Teqip-III sponsored) “Satistical learning -based Internet of Things (IoT), organized by Anand International College of Engg. Jaipur (Rajsthan).
    - ii. Feasibility analysis of hybrid renewable energy system, lecture delivered in Online Faculty Development Program on Renewable Power Generation Control and Applications (RPGCA-2021) organized by University Institute of Technology, Himachal Pradesh University, India, June 16th, 2021.
    - iii. Machine Learning based Renewable Energy, "lecture delivered in Online Faculty Development Program on “Machine Learning based Applications” organised by SREYAS Institute Hydrabad
  - **Session chaired:**
    - i. Session chaired in the conference “SoCTA-2020 organized by STEM-research Society.
    - ii. Session chaired in the conference “ CAMSE -2020 in organized by Shobhit University Gangohand NIT Jalandhar Punjab

## 4. Dr. Kapil, Assistant Professor, ECE

- **Awarded a Minor Research Project** "IoT Based Water Monitoring & Treatment System" from Project Monitoring unit of RUSA, HP University Shimla on July-06-2021
- **Awarded a certificate of participation on Patent Litigation** in India by Turnip Innovations on May-28-2021.
- **Published Research Articles as Follows:**
  - i. Anand, Vijay Kumar, **Kapil Bhatt**, Sandeep Kumar, B. Archana, Sandeep Sharma, Karamvir Singh, Monish Gupta, Rakesh Goyal, and G. S. Viridi. "Sensitive and Enzyme-Free Glucose Sensor Based on Copper Nanowires/Polyaniline/Reduced Graphene Oxide Nanocomposite Ink." **International Journal of Nanoscience** 20, no. 02 (2021): 2150020. (ESCI & Scopus)
  - ii. Sharma, S., Singh, K., Kumar, S., **Kapil Bhatt** et al. Fabrication of reduced graphene oxide modified poly(3,4-ethylenedioxythiophene) polystyrene sulfonate based transparent conducting electrodes for flexible optoelectronic application. **SN Appl. Sci.** 3, 26 (2021). <https://doi.org/10.1007/s42452-020-04034-w>. (ESCI & Scopus).
  - iii. Anand, Vijay Kumar, Archana Bukke, **Kapil Bhatt**, Sandeep Kumar, Sandeep Sharma, Rakesh Goyal, and G. S. Viridi. "Highly sensitive and reusable Cu<sup>2+</sup>/polyaniline/reduced graphene oxide nanocomposite ink-based non-enzymatic glucose sensor." **Applied Physics A** 126, no. 7 (2020): 1-11. (SCI & Scopus).
- **Got MoU Signed** between UIT, HP University Shimla and UIET, Kurukshetra University Kurukshetra
- In order to explore new pathways in field of research and Innovations got the consent of **collaboration** with
  - i. C-DAC Mohali.
  - ii. Institute for Integrated Rural Development, Shimla.
  - iii. Bhutti Weavers Co-op. Society Ltd, Kullu.

## Dr. Jasmine Kaur, Assistant Professor, EE

**Qualification:** B.Tech (UIET, Panjab University Chd)

M.Tech (Thapar University, Patiala),

Ph.D. (NIT H)

**Specialization:** Power Systems, Deregulation of Power Market, Microgrids

**Research Exp.:** (PhD period- 3.5 yrs)

1. Published five research papers in SCOPUS indexed and three SCI/SCIE indexed journals
2. Published four research papers in IEEE International conferences.
3. Published four research papers in National/ International reputed conferences.
4. Attended one FDP program organized by ATAL-AICTE by Civil Engg Deptt, UIT HPU Shimla
5. Attended and participated in 02 Days Faculty Development Program from 23 - 24 Dec, 2020 on “FDP on Microgrid System Design & Simulation using HOMER Pro Software.” of HOMER Energy by UL from USA in association with M/s DELLSOFT Technologies Pvt. Ltd. New Delhi
6. Awarded a Project On “Design of An Intelligent and Efficient Light Control System” Under Project Monitoring Unit of RUSA “Equity Initiatives”
7. Serving As Member of The Committee (HP-Private Educational Institutions Regulatory Commission HP-PERC) For analyzing The Data, Procedure For Degree Issuance And Security Features By Private Universities In The State
8. Serving As Coordinator for Village Adoption Program, Adopted Village Ghanahatti, under Totu Block, Shimla, H.P.
9. Served As Syllabus Coordinator and designed Electrical Engg. B. Tech and Ph.D. Course
10. Serving as Assistant Training and Placement Officer (ATPO), for Training and Placement Cell, UIT, HPU Shimla.
11. Attended Online Webinar On “Moving From Kw To Kwh (Rooftop Solar PV Asset Strategies)” on 26th August, 2020, conducted By Deutsche Gesellschaft Fur Internationale Zusammenarbeit Gmbh And Solar Quarter

## 8. Dr. Richa Chandel, Assistant Professor, ECE

- Published Research Paper/Chapter:
  - i. Sanket A. Nirmal and Richa Chandel "A Survey Of Fifth Generation (5G) Cellular Communication Using MIMO For Iot Application" Book Chapter published in

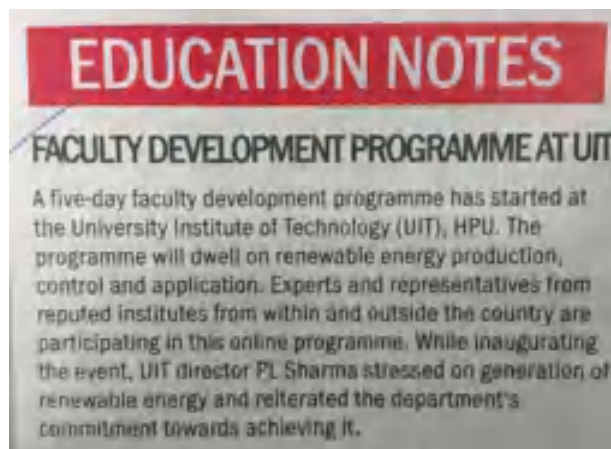
Microstrip Antenna Design for Wireless Applications, CRC Press Taylor & Francis Group.

- ii. Pankaj K Keshri, Richa Chandel, Sanjay Sahu, Anil K Gautam, "Compact Quad-Port High Performance UWB MIMO/Diversity Antenna with Slotted Ground Structure", *Progress In Electromagnetics Research C*, 193-205,2021.
- **FDP attended:** Participated and successfully completed Faculty Development Programme on "Renewable Power: Generation, Control and Applications" RPGCA-2021, UIT, HPU, Shimla, H.P. INDIA during June 14th-18th, 2021.

## 9. Dr. Shalu, Assistant Professor, ECE

- **FDP attended:**
  - i. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "VLSI Design, Verification and Testing" during 07.06.2021 - 11.06.2021.
  - ii. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Future Perspective of Semiconductor Devices" during 21.06.2021 - 25.06.2021.
  - iii. Participated and successfully completed 5-day FDP-SI UHV Online - "AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)" during 28.06.2021 - 02.07.2021.
  - iv. Participated and successfully completed Faculty Development Programme on "Renewable Power: Generation, Control and Applications" RPGCA-2021, UIT, HPU, Shimla, H.P. INDIA during June 14th-18th, 2021.
- **Paper published:**
  - i. S. Kaushal, S. Kaundal and A. K. Rana, "Impact of Spacer Configuration on Negative Capacitance Multi Gate Junctionless FET," *2021 International Conference on Computer Communication and Informatics (ICCCI)*, 2021, pp. 1-5, doi: 10.1109/ICCCI50826.2021.9402605.
  - ii. Kaundal, S., and A. K. Rana. "Stability Analysis of JL FinFET based 6T SRAM cell." In *IOP Conference Series: Materials Science and Engineering*, vol. 1033, no. 1, p. 012066. IOP Publishing, 2021.

# MEDIA COVERAGE



## यू.आई.टी. में फैकल्टी डिवैल्पमेंट प्रोग्राम शुरू

शिमला, 9 अगस्त (ब्यूरो): हिमाचल प्रदेश विश्वविद्यालय के यूनिवर्सिटी इंस्टीच्यूट ऑफ टैक्नोलॉजी (यू.आई.टी.) में सोमवार से 5 दिवसीय ऑनलाइन फैकल्टी डिवैल्पमेंट प्रोग्राम शुरू हुआ। सिविल इंजीनियरिंग विभाग द्वारा आयोजित इस प्रोग्राम में देश के विभिन्न तकनीकी संस्थानों से 180 प्रतिभागी भाग ले रहे हैं। इस प्रोग्राम का उद्घाटन तकनीकी शिक्षा निदेशक विवेक चंदेल ने किया। उन्होंने कहा कि आपदा प्रबंधन पर आयोजित इस फैकल्टी डिवैल्पमेंट प्रोग्राम से प्रतिभागियों विशेषकर हिमाचल और पहाड़ी क्षेत्रों वाले प्रदेशों के शोधार्थियों और फैकल्टी को लाभ होगा। उन्होंने कहा कि हिमाचल प्रदेश में 1905 के भूकंप के बाद से हिमाचल व देश के अन्य प्रदेशों के शोधार्थी निरंतर भूकंप के प्रभाव और आपदा प्रबंधन में कैसे अच्छा प्रबंधन रहे, इसका चिंतन कर रहे हैं। इस दौरान यू.आई.टी. के निदेशक प्रो. पी.एल. शर्मा ने कहा कि ए.आई.सी.टी.ई. द्वारा इस कार्यक्रम को आयोजित करने के लिए यू.आई.टी. को हिरसेदार बनाया गया है। उन्होंने कहा कि यू.आई.टी. का सिविल इंजीनियरिंग विभाग निरंतर प्रगति की ओर बढ़ता जा रहा है।

## एच.पी.यू. के यू.आई.टी. में शुरू होंगे 'एम.टैक. और पीएच.डी.'



शिमला : हि.प्र. विश्वविद्यालय में ई.सी. की बैठक की अध्यक्षता करते कुलपति प्रो. सिकंदर कुमार।

शिमला, 31 दिसम्बर (अभिक): हिमाचल प्रदेश विश्वविद्यालय के यूनिवर्सिटी इंस्टीच्यूट ऑफ टैक्नोलॉजी (यू.आई.टी.) में एम.टैक. और पीएच.डी. शुरू होगी। इसको लेकर विश्वविद्यालय की कार्यकारी परिषद (ई.सी.) ने मंजूरी प्रदान कर दी है। ई.सी. की मंजूरी के बाद अब अगले शैक्षणिक सत्र से यू.आई.टी. के पांचों विभागों में आई.टी., कम्प्यूटर, सिविल, इलेक्ट्रिकल, इलेक्ट्रॉनिक्स एंड कम्प्युनिकेशन इंजीनियरिंग में एम.टैक. और पीएच.डी. शुरू होगी। वीरवार को हिमाचल प्रदेश विश्वविद्यालय के कुलपति प्रो. सिकंदर कुमार की अध्यक्षता में वर्ष 2020 की अंतिम नियमित बैठक हुई। बैठक के दौरान ई.सी. में शिक्षकों की भर्ती प्रक्रिया से संबंधित जानकारी भी सांझा की गई। चयन समिति की सिफारिशों के बाद लिफाफे खोलने तथा नियुक्ति पत्र जारी होने पर सेवाएं आरंभ करने वाले सभी नए शिक्षकों की प्रेषित सूची को स्वीकृति प्रदान की। सूत्रों के अनुसार

अभी तक 50 के लगभग शिक्षकों की नियुक्ति संबंधित लिफाफे खोले गए हैं।

बैठक में ई.सी. ने पोटों के अभ्यर्थियों के लिए सुट्टियों से संबंधित पेश आ.रही परेशानियों के निपटारे के लिए प्रो. एम.एस. चौहान की अध्यक्षता में समिति का गठन किया गया, जिसमें रजिस्ट्रार व ई.सी. सदस्य विपिन कुमार मदन्य होंगे। ई.सी. ने बी.एड. की ऑनलाइन काउंसिलिंग के लिए एच.टी.एफ.सी. और आई.सी.आई.सी.आई. बैंक को छाता खोलने की स्वीकृति प्रदान की।

बैठक में पूर्व प्रो-वाइस चांसलर प्रो. एन.के. शादा, पूर्व डीन ऑफ स्टडीज प्रो. वी.पी. शर्मा, विशेष सचिव (उच्चतर शिक्षा) राखिल काहलॉ, उच्च शिक्षा विभाग के निदेशक डा. अमरजीत शर्मा, प्रो. एम.एस. चौहान, डा. नीरा वालिया, प्रो. रंजना धान तथा गैर-शिक्षक कर्मचारियों के निर्वाचित प्रतिनिधि विपिन कुमार उपस्थित थे। बैठक को कार्यवाही का संचालन रजिस्ट्रार सुनील शर्मा ने किया।

## FACULTY PROGRAMME INAUGURATED AT UIT

Director, Technical and Vocational Education, Vivek Chandel said disaster management was an important field for the entire country, particularly the hilly states. He said this while inaugurating a five-day Faculty Development Programme (FDP) on "Disaster resilient infrastructure" at the UIT, Himachal Pradesh University, through virtual mode. Scientists and researchers have been working continuously on the disaster management solutions since an earthquake shook Himachal in 1905, he added. Director, UIT, Prof PL Sharma said about 180 faculty members of the Civil Engineering Department from all over the country were participating in the programme.



## MTech, PhD in UIT from next session

Tribune News Service

SHIMLA, DECEMBER 31

The Himachal Pradesh University Executive Council has approved to start MTech and PhD from the next academic session in University Institute of Technology (UIT) in computer science, IT, civil, electrical and electronics and communication engineering.

The EC has also approved the appointments of all those teachers who joined after the issued orders in different departments of the university. Besides, the EC has also approved the opening of accounts by HDFC Bank and ICICI Bank for online counselling of B.Ed.

## शिक्षक राष्ट्र के लिए आदर्श हैं और शिक्षण सबसे संतोषजनक करियर : प्रो. शर्मा

शिमला, 14 जून (ब्यूरो): हिमाचल प्रदेश विश्वविद्यालय के यू.आई.टी. का फैकल्टी डिवेलपमेंट प्रोग्राम सोमवार से शुरू हुआ। ऑनलाइन आयोजित हो रहा यह प्रोग्राम 18 जून तक चलेगा। इस 5 दिवसीय प्रोग्राम में सभी संकायों, प्रतिनिधियों और अनुसंधान विद्वानों सहित करीब 120 प्रतिभागी हिस्सा ले रहे हैं। इसमें भारत के अलावा अमरीका, यू.के., सिंगापुर, यू.ए.ई. व ऑस्ट्रिया आदि देशों से भी प्रतिभागी शामिल हुए। ऑनलाइन फैकल्टी डिवेलपमेंट प्रोग्राम में एन.आई.टी. और विभिन्न राज्यों में कार्यरत उद्योगों व प्रतिष्ठित संस्थानों के विशेषज्ञों द्वारा व्याख्यान दिए जाएंगे। इसका उद्घाटन सोमवार को मुख्यातिथि यू.आई.टी. के निदेशक प्रो. पी.एल. शर्मा ने किया। उन्होंने कहा कि शिक्षक राष्ट्र के लिए आदर्श हैं और शिक्षण सबसे संतोषजनक करियर है क्योंकि यह समाज को वापस देने के कई अवसर प्रदान करता है। उन्होंने कहा कि पहल करने की हिम्मत करें, बड़े लक्ष्य निर्धारित करें, उन्हें प्राप्त करने के लिए मेहनत करें तो सफलता आपके कदम चूमेगी। उन्होंने अक्षय ऊर्जा बिजली उत्पादन के महत्त्व पर जोर दिया और कहा कि यू.आई.टी. अपनी भागीदारी के लिए पूरी तरह से प्रतिबद्ध है। वर्तमान में शुरू फैकल्टी डिवेलपमेंट प्रोग्राम सभी प्रतिभागियों के लिए अत्यंत लाभदायक सिद्ध होगा।

## यूआईटी में संकाय विकास कार्यक्रम शुरू

शिमला। यूनिवर्सिटी इंस्टीट्यूट ऑफ टेक्नालॉजी (यूआईटी) में सोमवार से संकाय विकास कार्यक्रम ऑनलाइन शुभारंभ किया गया। पांच दिन के इस कार्यक्रम में अक्षय ऊर्जा उत्पादन, नियंत्रण और अनुप्रयोग (आरपीजीसीए-2021) पर कार्यक्रम की मेजबानी यूआईटी कर रहा है। यूआईटी के इलेक्ट्रिकल इंजीनियरिंग विभाग ने इसका संचालन किया। इस देश के प्रतिष्ठित संस्थानों के विशेषज्ञों ने भाग लिया। ऑस्ट्रिया जैसे देशों से भी प्रतिभागी जुड़ रहे हैं। शुभारंभ यूआईटी के निदेशक प्रो. पीएल शर्मा ने किया। उन्होंने अक्षय ऊर्जा बिजली उत्पादन के महत्त्व पर प्रकाश डाला। कहा कि यूआईटी अपनी भागीदारी के लिए पूरी तरह से प्रतिबद्ध है। डा. संजय शर्मा और डा. निकिता गुप्ता, ने इस कार्यक्रम का संचालन किया। ब्यूरो



# यूआईआईटी करेगा शोध • देश भर के रिसर्चर का भूकंप और इलेक्ट्रॉनिक इंजीनियरिंग पर रहेगा रिसर्च एचपीयू के इंजीनियर बताएंगे भूकंप में कैसे सुरक्षित रह सकता है शिमला, अगस्त से शुरू होगी रिसर्च, विश्वविद्यालय को मिली मंजूरी

एजुकेशन रिपोर्टर | विश्व

हिमाचल प्रदेश युनिवर्सिटी के इंस्टीट्यूट ऑफ इम्प्लेमेंटेशन टेक्नोलॉजी (यूआईआईटी) को गैट फैकल्टी प्रोग्राम करवाने की मंजूरी मिल गई है। अब देशभर के प्रोफेसर और रिसर्चर स्कॉलर एचपीयू आकर रिसर्च कर सकेंगे। अगस्त पहले में शिमला में पहली बार भूकंप से महारतों को होने वाले नुकसान और महान की नोंद को मजबूत बनाने के लिए सिविल इंजीनियरिंग के स्तर पर रिसर्च पर काम शुरू होगा। इसके अलावा इलेक्ट्रॉनिक इंजीनियरिंग में भी रिसर्चर चले होंगे। कोरीना के सबसे विशालतम खर्चुअल माध्यम से ही गैट फैकल्टी प्रोग्राम होने, इसके बाद अगर संक्रमण के केस कम हुए तो आक्टूबर महीने में देशभर के प्रोफेसर एचपीयू आएंगे और अलग

• **शिमला में बन रहे भवन असुरक्षित, इस पर काम होगा:** ब्रिटिश राजसमय के समय में बसाई गई राजधानी शिमला को अधिकतर इमारतें आज अपने उस पूरी बन चुकी हैं। कक्षा के धोखे को मरने-मरने कई इमारतें चुड़ी ही चुकी हैं जो भूकंप के एक झटके में ही जख्म दे जायेंगी। अगस्त में निपटने के लिए प्रस्तावना द्वारा बैठकें तो भी आ रही हैं मगर वे कितनी कारगर साबित होंगी, यह क्या ही कहा जाय। विशालतम जगहों उन असुरक्षित भवनों को बनाने की है जिसमें अभी लोग रह रहे हैं। इसके अलावा जो भवन बन रहे हैं, उन्हें अब भूकंप रोधी बनाने की जरूरत है, इस पर यूआईआईटी रिसर्च करेगा।

• **जब भी देश में भूकंप आया, प्रदेश में लगे हैं तगड़े झटके:** नेपाल, जम्मू-काश्मीर, पश्चिम बंगाल और अरुणाचल प्रदेश में भूकंप का केंद्र रहने के चलते हिमाचल में भी हर बार झटके महसूस किए जाते हैं। बीते 10 साल में हिमाचल में आए भूकंपों में 42 प्रतिशत का केंद्र जिला चंबा और चंबा की जम्मू-काश्मीर के साथ लगती सीमा रही है। लण्डन स्थिति जिला और जम्मू-काश्मीर से लगती सीमा 23 प्रतिशत बार भूकंप का केंद्र रही है। कंगड़ा (अठार प्रतिशत), बिलौर (पांच प्रतिशत), मंडी (एक प्रतिशत), शिमला (एक प्रतिशत) और योंना (दो प्रतिशत) भी भूकंप का केंद्र रहा है। जिला चंबा और शिमला में भूकंप आने की सबसे अधिक आशंका है।

• **शिमला में हैं सिविल जोन:** शिमला का लक्कड़ बाजार व स्कोर बाजार में लेकर कुरानापर तक पूरा सिविल जोन है, जहां परों की बुनियाद कमजोर है और मलबे पर ही कई इमारतें खड़ी की गई हैं। इन क्षेत्रों में अकस्मिक भूस्खलन होने हैं। लक्कड़ बाजार की बात को जाए तो सिविल जोन बाजार भी अंधा इसी कारण खतरा महसूस हुआ था और टर्मिनल टुफन में मलबे के नीचे टब भी थीं। इसके बाद कई बार बड़े लहरों पर भी खतरा बना हुआ है। यहां स्थित रिपोर्टर विनिमा हॉल भी हादसों के बाद से बंद है।

■ हमारे लिए ये सर्व का विषय है कि हमें यूआईआईटी की ओर से फैकल्टी प्रोग्राम करवाने की मंजूरी मिली है। अगस्त और आक्टूबर महीने में एक एक सप्ताह के दो प्रोग्राम होंगे। सिविल इंजीनियरिंग के छात्र भूकंप पर रिसर्च करेंगे। भवनों को कैसे सुरक्षित रख सकते हैं, इस पर देश भर के प्रोफेसर और रिसर्चर काम करेंगे। प्रो. पीएल जर्मा, निदेशक यूआईआईटी, एचपीयू

अलग विषयों पर रिसर्चर चले करेंगे। खास बात ये है कि इसका माता खांचे अखिल भारतीय तकनीकी सम्मान दिल्ली उदाहरण। यूआईआईटी विभाग

के महापक्ष प्रोफेसर डॉ. महेश रामा ने यूआईआईटी को इस तरह के गैट फैकल्टी प्रोग्राम को शुरू करने के लिए आह्वान किया था। इसमें उन्होंने

सिविल इंजीनियरिंग विषय में नए-नए प्रयोग करने की बात कही थी। रिसर्चर चले को बेहतर करने और ऐसे प्रयोग करने की परामर्शन मांगे गई थीं,

जिसका आज लोगों को भी फायदा हो सके। इसके अलावा डॉ. तरुण ने भी इलेक्ट्रॉनिक विषय में आह्वान किया था। उन्हें भी मंजूरी दी गई है।

## UIT TO HOLD TWO FACULTY PROGRAMMES

The University Institute of Technology (UIT), HPU, has got the approval from All India Council of Technical Education to conduct two faculty development programmes. One programme will be conducted on earthquake engineering in August, and another on photonics integrated circuits will be held in October.

## UIT CELEBRATES WOMEN'S DAY

The University Institute of Technology, Himachal Pradesh University, celebrated the International Women's Day online. Chief guest Rakhil Kehlon, IAS, Special Secretary Education, Health and Housing, highlighted the achievements of women and the ways they were working on constitutional, political and administrative positions. Keeping in view the theme of International Women's Day for 2021 - Choose to Challenge - Kehlon said women should participate and lead the society for the betterment and progress of the country.

## दो फैकल्टी डेवलपमेंट प्रोग्राम करवाने की मंजूरी

शिमला। हिमाचल प्रदेश विवि के यूनिवर्सिटी इंस्टीट्यूट ऑफ टेक्नोलॉजी (यूआईटी) को ऑल इंडिया टेक्निकल एजुकेशन काउंसिल ने दो फैकल्टी डेवलपमेंट प्रोग्राम करवाने को स्वीकृति दे दी है। इन फैकल्टी डेवलपमेंट प्रोग्राम की मेजबानी यूआईटी करेगा। इसमें पूरे भारत वर्ष के तकनीकी संस्थानों के शिक्षक भाग लेंगे। यूआईटी के निदेशक प्रो. पीएल शर्मा ने बताया कि कार्यक्रम का पूरा खर्च एआईसीटीई करेगा। यूआईटी के सिविल इंजीनियरिंग के शिक्षक डॉ. महेश शर्मा और इलेक्ट्रॉनिक्स एंड कम्युनिकेशन के डॉ. तरुण शर्मा ने एआईसीटीई को एफडीपी के प्रस्ताव भेजे थे। इसे स्वीकृति मिल चुकी है।

## बी.टैक. के 5 कोर्सिज में दाखिले के लिए ऑनलाइन आवेदन आज से

यू.आई.टी. के विभिन्न कोर्सिज की 360 सीटों के लिए आवेदन करने, प्रवेश परी, 10 जुलाई तक चलने वाला ऑनलाइन आवेदन की प्रक्रिया

शिमला, 14 जून (अभिवेक): हिमाचल प्रदेश विश्वविद्यालय (एच.पी.यू.) के यूनिवर्सिटी इंस्टीट्यूट ऑफ टेक्नोलॉजी (यू.आई.टी.) में चल रहे बी.टैक. के 5 कोर्सिज में दाखिले के लिए सैद्धांतिक परी कर दिया गया है। मंगलवार से बी.टैक. कोर्सिज में दाखिले के लिए ऑनलाइन आवेदन की प्रक्रिया शुरू हो जाएगी।

यू.आई.टी. ने प्रोस्पेक्टस जारी कर वेबसाइट पर उपलब्ध करवा दिया है। बी.टैक. आई.टी., बी.टैक. कंप्यूटर साइंस इंजीनियरिंग, बी.टैक. सिविल इंजीनियरिंग, बी.टैक. इलेक्ट्रिकल और बी.टैक. इलेक्ट्रॉनिक्स एंड कम्युनिकेशन कोर्सिज में अगले शैक्षणिक सत्र यानी 2021-22 के तहत प्रवेश के लिए ऑनलाइन आवेदन की प्रक्रिया 10 जुलाई तक चलेगी।

यू.आई.टी. के विभिन्न कोर्सिज की 360 सीटों के लिए ऑनलाइन आवेदन मांगे गए हैं। प्रदेश सरकार के निर्देशों

### बी.टैक. कोर्सिज के वेब डिजाइन के लिए ए.आई.सी.टी.ई. ने दी स्वीकृति

ऑल इंडिया काउंसिल फॉर टेक्निकल एजुकेशन (ए.आई.सी.टी.ई.) ने बी.टैक. कोर्सिज का वेब डिजाइन के लिए यू.आई.टी. को स्वीकृति प्रदान कर दी है। ए.आई.सी.टी.ई. से उक्त कोर्सिज चलाने के लिए हर वर्ष अनुमति लेनी होती है और इसके लिए पूर्व में यू.आई.टी. प्रबंधन ने आवेदन किया था और अब इसकी मंजूरी प्राप्त हुई है। हालांकि ऑनलाइन आवेदन की तिथि 12वीं कक्षा का परिणाम 10 जुलाई तक घोषित न होने की स्थिति में आगे भी बढ़ाई जा सकती है।

में आर्थिक रूप से कमजोर वर्ग के छात्रों के लिए 6-6 सीटें आवंटित होंगी जो तब 60 सीटों के अलावा होंगी। पात्र उम्मीदवार न मिलने पर उक्त सीटें खाली रहेंगी और आवेदन आने पर प्रवेश के लिए इसके मैरिट अलग से तैयार होंगी। यू.आई.टी. ए.आई.सी.टी.ई. के निर्देशों

में रिटोरियस छात्राओं के लिए, 3 सीटें अर्द्ध लाख से कम पारिवारिक आय वाले विद्यार्थियों के लिए और सभी दिव्यांगों के लिए नि:शुल्क में कोर्स करने की अलग से सुविधा देता है।

इन कोर्सिज में प्रवेश के लिए सामान्य वर्ग में जमा दो की परीक्षा में 50 फीसदी अंक (फिजिक्स और मैथ्स) बिचर के साथ, जबकि अग्रक्षिप्त वर्ग के लिए जमा दो में 45 फीसदी (फिजिक्स और मैथ्स) अंक प्राप्त करने वाले छात्र पात्र होंगे। हर कोर्स की तय 60-60 सीटों के अलावा इन छात्रों से भरी जाएंगी। अग्रक्षिप्त वर्ग के लिए अला से सीटें रखी गई हैं। यू.आई.टी. ने फिलहाल प्रवेश, परीक्षा की तिथि तय नहीं की है। स्थिति अनुसार तिथि तय कर उम्मीदवारों को तिथि के संबंध में सूचित किया जाएगा।

यू.आई.टी. के निदेशक प्रो. पी.एल. शर्मा ने कहा कि बी.टैक. के 5 कोर्सिज के लिए इस बार 360 सीटों के लिए मंगलवार से ऑनलाइन आवेदन की

