

UIT NEWSLETTER



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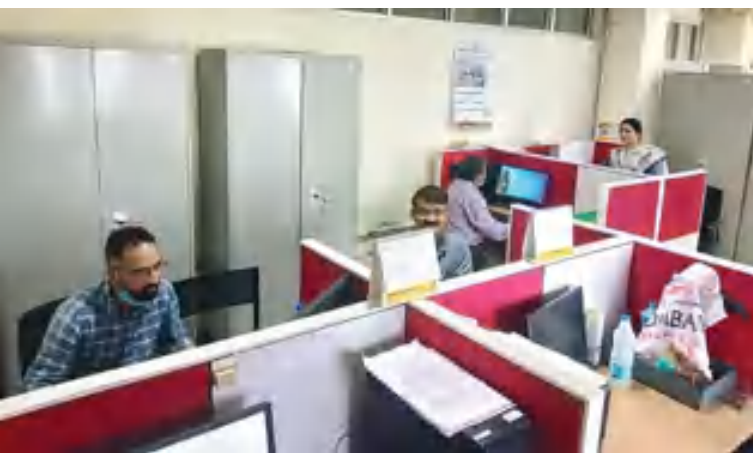
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U I T C A M P U S

“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.

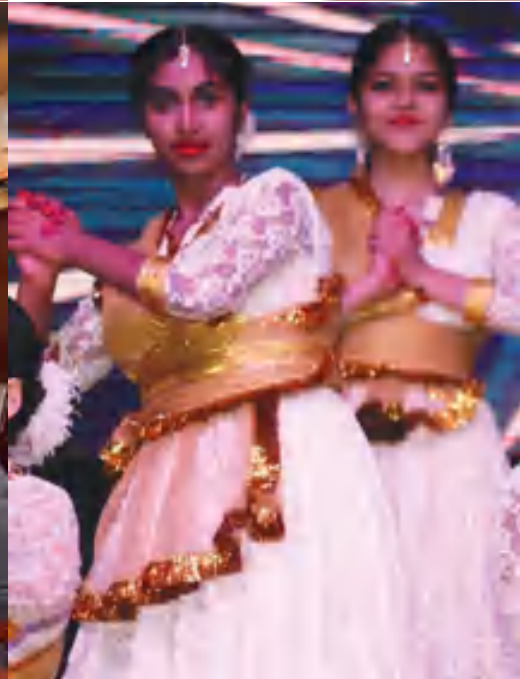
In view of three new Engineering courses added to the already existing two well established courses, UIT is one the largest Department of H. P. University. Thus, the expansion of campus of UIT is in the priority list of University authority. Hon'ble Vice Chancellor is pressing hard to get new academic 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.

UNIVERSITY INDUSTRY CONCLAVE (UIC) AND UTKARSH- 2021



University Institute of Technology (UIT) organized four days University Industry Conclave (UIC) and UTKARSH- 2021 w.e.f. 16.12.21-19.12.21. In the Inaugural address, Prof. Sikander Kumar, Hon'ble Vice-Chancellor, H. P. University, Shimla said this conclave will pave the way for better placements for students of University Institute of Technology. The Chief Guest Prof. Sikander Kumar also released the Fourth Volume of UIT Newsletter.

On this occasion, Director UIT, Prof. P. L. Sharma said that in the 21 years journey of UIT, University- Industry Conclave is being organized for the first time and that to with UTKARSH, As many as will set a benchmark for the years to come. 22 representatives from various reputed industries different parts of the country participated in this University- Industry Conclave. Prof. Sharma said that the UTKARSH- 2021 has seen a massive response in online registrations to date from various top-







ranked Universities and Institutions like IITs, NITs, IIITs, and state Government/ Private Institutes. UTKARSH-2021 is a consortium of cultural and technical events in the diversified fields of Engineering, Science & Technology, and Industrial Design. Prof. P. L. Sharma said that the UIT Family is working very hard for the Patents, MoU's and Publications in reputed Journals. Prof. Arvind Bhatt, Dean of Planning and Teacher Matters, said that the students should not only focus on degree but also should be able to apply their knowledge in practical applications. Prof. Nagesh Thakur, Dean of Engineering and Technology, said that we need to channelize the energy of youth in right direction which in turn will help institution and the students to develop

for greater achievements. He said that the live model demonstration will be planned for the next year.

This four days event was concluded on Sunday, 19.12.21. This event was inaugurated by Hon'ble Vice-Chancellor, H. P. University, Shimla, Prof. Sikander Kumar. Apart from this many other dignitaries like Prof. Nagesh Thakur, Dean of Engineering and Technology, Prof. Arvind Bhatt, Dean of Planning and Teacher Matters, Prof. Pawan Garga, Director UCBS were also present in the event. Hon'ble Vice-Chancellor promised that soon a mega job fair will be held in the University premises where all the institutes from north India will be invited. Many popular MNCs will take part in this event of placement drive.



There were three keynote sessions each day for guiding the students. Total six panel discussion rounds were organized in these four days, where the persons from industry participated. Different eminent personalities like Mr. Ashok Tiwari, ADGP, Himachal Pradesh, Mr. Saneel Thakur, GM, Himachal Pradesh Kaushal Vikas Nigam, Sh. Robin Kumar Lakhanpal, Asst. Director-General Department of Telecommunication Govt. India, Indian Telecom Services and Mr. Shashi Dhar, Sr. Scientist HIMCOSTE were invited

for this event. Industry persons guided the students how to strengthen their skill set so that they become successful in grabbing jobs. Many technical events including Problematic, Quibble, Aperture, Google Hunt were organized during the fest. Different cultural programs were presented by students of UIT on the last two days. Students also enjoyed the performances by Abhigya Band and AC Bhardwaj. The program concluded with the vote of thanks from Dr. Ramesh Thakur, coordinator, UIT.

“HEALTH, HYGIENE AND SAFETY AWARENESS PROGRAM” FOR MGNREGA WORKERS



To promote the Health awareness among the MGNREGA workers, University Institute of Technology (UIT), H. P. University Shimla, organised Health, Hygiene and Safety awareness program" under village adoption program on 28.12.2021, at Ghanahatti, Shimla. Around 30 workers from local area participated in the program. The Faculty members of UIT Dr. Jasmine Kaur, Dr. Anjali Sharma, Dr. Mahesh Sharma, Dr. Siddharth Kashyap, Er. Rahul Prashar, and Mr. Pradeep Kumar along

with the institute's higher authority Director UIT Prof. P. L. Sharma made the program a huge success. Prof. Sharma appreciated the efforts of Dr. Jasmine Kaur, who is the coordinator of this program and said that practicing personal and environmental hygienic measures and eating balanced diet in day today life are essential for preventing diseases and stay healthy. The whole team of UIT paid a site visit where MGNREGA workers were working. To instill awareness among them, the Assistant Professors of



UIT Dr. Anjali Sharma conducted a lecture session on women health and hygiene and Dr. Mahesh Sharma took an interactive workshop on safety of MGNREGA employees. The purpose of these sessions was to sensitize MGNREGA employees about the

need of preventing diseases and promotion of health by practicing hygienic and safety measures. Lastly, Women Hygiene napkins were distributed among women by village Pradhan and coordinator of village adoption program, Dr. Jasmine Kaur.

UNIVERSITY INSTITUTE OF TECHNOLOGY INKS MOU WITH INDIAN INSTITUTE OF TECHNOLOGY MANDI FOR ACADEMIC COLLABORATION

The University Institute of Technology (UIT), Himachal Pradesh University (HPU) Shimla and Indian Institute of Technology (IIT) Mandi signed a memorandum of understanding (MoU) for academic collaboration for promoting excellence in common areas of interest, imparting knowledge and skills required to operate on the areas of academic programme, research and training on

28.12.2021. This mutual collaboration will help both the institutes scale new heights in research and academics. Director, UIT Shimla Prof. P. L. Sharma said, "This MoU would open a plethora of opportunities for students and faculties of UIT Shimla and would be milestone in itself. We are looking forward to work with some of the most talented and brilliant minds in the country".

INTERNATIONAL WOMEN'S DAY







International women's day was celebrated in University Institute of Technology, Himachal Pradesh University on 8th March, 2022. Dr. Monika Bhutunguru, Superintendent of Police, Shimla, Himachal Pradesh was the chief guest of the event. She was felicitated by Director UIT, Prof. P. L. Sharma. Prof. Sharma welcomed the chief guest and the entire gathering. He said that to uplift the society, women need to be empowered. He quoted that woman is the architect of the society. He appreciated the women faculty of UIT who are working hard in academics and also taking care of their families. He highlighted the theme of International Women's Day 2022 – Gender Equality today for a sustainable tomorrow.

Women corona warriors of UIT who worked relentlessly during COVID-19 pandemic were also felicitated by the chief guest. Dr. Monika Bhutunguru emphasized that women don't need empowerment but equality. She also

highlighted various laws and acts provided by the government of India for women. She said that its time to make your identity. She also shared the information about the Gudiya Helpline, Sunset Rule and Zero FIR rule for women. She encouraged the women to use Shakti button app in case of any emergency. She made the teachers aware about the types of crime prevalent in Himachal Pradesh among the age group of 13-18 years, kidnapping being the first, domestic violence second and the online transmission of vulgar material being most common. She also shared the information that at present Himachal Pradesh is having the second highest number of female staff on all ranks in police department, being 13-14%. She said government has decided to increase the seats to 25%. The vote of thanks was delivered by Dr. Ramesh Thakur, Coordinator UIT. The program was coordinated by Dr. Anjali Sharma, Assistant Professor UIT.



NEW RECRUITMENTS IN FEBRUARY 2022

1.	 <p>Er. Atul Gautam</p>	<p>He is Presently working as Assistant Professor in E.C.E. at UIT in HPU Shimla (A state government University). He received B. Tech. degree in Electronics and Communication Engineering from Punjab Technical University Jalandhar, India in 2010 and M. Tech. degree in Electronics and Communication Engineering from Lovely Professional University Jalandhar, India in 2013. He also worked as Assistant Professor in Electronics and Communication Engineering at IITT COE Kala Amb.</p>
2.	 <p>Er. Daljeet Kumar</p>	<p>He is presently working as an Assistant Professor in the department of civil engineering at University Institute of Technology (UIT) Himachal Pradesh University Shimla. He has received his B. Tech. degree in civil engineering and M. Tech. in Water Resource Engineering from Himachal Pradesh Technical University Hamirpur. His area of research is in the field of water resource engineering and environment engineering.</p>
3.	 <p>Er. Akanksha Sambyal</p>	<p>She is presently working as Assistant Professor in the department of CSE/IT at University Institute of Technology (UIT). She has received her B. Tech. in Computer Science Engineering from Himachal Pradesh University and Master of Engineering in Information Technology from Chandigarh University. Her area of research is in the field of Word Sense Disambiguation in Hindi Language and Artificial Intelligence.</p>
4.	 <p>Er. Dharmender Kumar Thakur</p>	<p>Presently working as Assistant Professor in (CSE/IT) at UIT, HPU. I did my Polytechnic in Computer Science Engineering from M.G Polytechnic Badhoo Mandi, H.P in 2012 and B. Tech. in CSE from Atal Bihari Vajpayee Govt. Institute of Engineering Shimla in 2016, M. Tech. in CSE from H.P.U in 2018. I also worked as Guest faculty Assistant Professor in HPU Computer Science Department and ICDEOL HPU (2019-2021). Has published 2 research Papers in Springer Conference and one in University Journal.</p>

APPOINTMENT OF HPU NEW VICE-CHANCELLOR

The post of Vice-Chancellor of HPU fell vacant after Prof. Sikander Kumar filed his nomination for Rajya Sabha chosen as Bharatiya Janata Party's (BJP) candidate. Consequently, Prof. Sat Prakash Bansal, the Hon'ble Vice-Chancellor of Central University, Kangra, was given an additional charge of the Hon'ble Vice-Chancellor of Himachal Pradesh University Shimla on 22.03.2022.



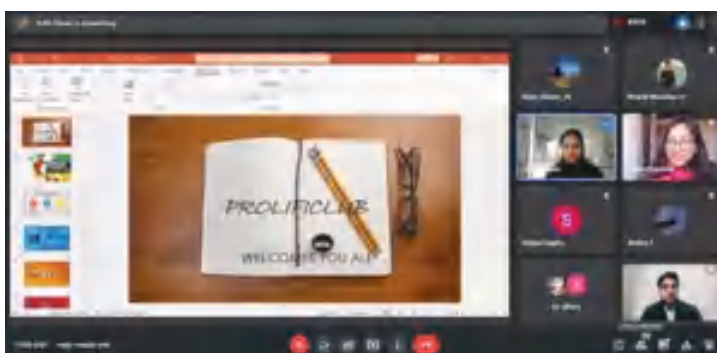
Prof. Sat Prakash Bansal
Hon'ble Vice-Chancellor, HPU



Faculty members of UIT congratulating and presenting Token of Gratitude to the Former Vice-Chancellor Prof. Sikander Kumar

WORKSHOP/EVENTS ORGANISED BY INSTITUTION'S INNOVATION COUNCIL (IIC), UNIVERSITY INSTITUTE OF TECHNOLOGY, HIMACHAL PRADESH UNIVERSITY, SHIMLA

1. University Institute of Technology, Himachal Pradesh University, Shimla in collaboration with its Mentor, Maharaja Agrasen University, Baddi, IIC has organized and attended a one-day workshop on **"Intellectual Property Rights & IP Management for Innovation and Startups"** on 7th Feb. 2022 at 2:30 p.m. onwards. The invited expert of this workshop was **Dr. Vikas Asawat, Registered Patent & Trademark attorney.**
2. Institution Innovation Cell, University Institute of Technology, of H.P. University, Shimla has organized a one-day workshop on **"Entrepreneurship Skill, Attitude and Behavior Development"** on **16th February, 2022** at 11:30 AM via Google Meet platform. The resource person of the session was **Ms. Aditi Diwan from Prolificlub Industrial Automation Training and R&D Centre, Solan (H.P).**
3. University Institute of Technology, Himachal Pradesh University, Shimla in collaboration with its Mentor, Maharaja Agrasen University, Baddi, IIC has



organized and attended a one-day workshop on **"Process of Innovation Development & Technology Readiness Level (TRL) and Commercialization of Lab Technologies & Tech Transfer"** on 22nd Feb. 2022 at 2:30 p.m. onwards. The invited expert of this workshop was **Professor (Dr.) Manu Sharma, Professor in Mechanical Engineering in UIET, PU, Chandigarh.**

SCHOLARSHIPS AWARDED

Centre for Youth (C4Y) is working for the welfare of the rural and urban youth. C4Y facilitates the participation and civic engagement of youth at all levels of governance by providing them sustainable avenues and the right platforms to further their growth and encourage their participation for social and financial inclusion. Under “C4Y Ujjwal Deep Scholarship 2021- 22 scheme”, four students have been awarded scholarship.

The details are given below:

S. No	Name of the student	Exam roll no.	Branch	Amount
1.	Aanchal D/O Mr. Rakesh	15212610001	IT-2nd Sem	1,00,000.00
2.	Janvi Vardhan D/O Mr. Sanjay Kumar	17212610036	CSE -2nd Sem	50,000.00
3.	Raj Joshi S/O Mr. Umesh Joshi	15212610046	IT-2nd Sem	1,00,000.00
4.	Ankush Kaundal S/O Mr. Karam Chand Kaundal	20202610009	EE-4th Sem	1,00,000.00

PLACEMENT DRIVE 2021

The Placement Cell, UIT has organized placement drives for the batch 2018-2022 of IT/CSE branches. Around 105 students were eligible to appear for the placement drives and 76 students have been placed till 18.4.2022. The students have been offered 126 positions by various

companies implying that few have also received multiple offer letters. A number of companies have visited the campus for conducting placement drives, out of these some of the prominent companies are AMAZON, IBM, PAYTM, WIPRO, and INFOSYS.

VISIT OF HON'BLE VICE CHANCELLOR TO UIT



Ever since, the additional charge of Hon'ble Vice Chancellor of H. P. University was taken over by Prof. S. P. Bansal (Hon'ble Vice Chancellor, CUHP), he has been visiting every Department/Institute to inspect their progress and to know their problems and demands. He planned his visit to UIT on 31.05.2022. UIT was all set to welcome the Team, which reached UIT at 11:00 am. Prof. S. P. Bansal, the Hon'ble Vice Chancellor HPU was accompanied by Hon'ble Pro-Vice Chancellor Prof. Jyoti Prakash, Dean of Studies Prof. Kulbhushan Chandel, Dean Faculty of Engineering and Technology Prof.

Nagesh Thakur (Member UGC), Engineers from Construction Division HPU and Security Personnels. Prof. P. L. Sharma, Director UIT welcomed the dignitaries with bouquet of flowers at the entrance of UIT and thereafter, Lighting of the Lamp ceremony was performed at the newly designed mural of Maa Saraswati, the Goddess of Knowledge and Wisdom. At the very next moment, the dignitaries and all the faculty members and staff of UIT assembled in Lecture Theatre -5 for interaction. After the felicitation ceremony, Prof. P. L. Sharma expressed his gratitude to the entire visiting



team for making a visit to UIT and extended his welcome speech. He apprised the dignitaries about the progress and problems of UIT.

Prof. S. P. Bansal, the Hon'ble Vice Chancellor HPU, distributed certificates to the students whose research projects were outstanding. He also launched UIT Newsletter and Placement Brochure. He appreciated UIT for these steps. Thereafter, all dignitaries addressed the gathering and offered their support to UIT for its future endeavours. In his speech, Hon'ble Vice Chancellor expressed his happiness about

the way UIT has made its progress starting with a single B. Tech. IT course to now an Institute running five B. Tech. Courses. He also gave his nod to start a Four year B. Tech. M. Tech Integrated Programme. He assured the gathering for his administrative and financial patronage to UIT and assured that he shall bless UIT with all possible support for the future proposals. He also, directed UIT to prepare its vision document. Thereafter, the team visited the entire UIT building. It was a matter of great honour and a fruitful visit for UIT.

SPORTS MEET 2022



Sports are an important part of a student's educational phase of life. It helps him in maintaining a fit body. It helps in giving him freshness and new energy and keeps him active throughout the day. It helps him to get out of tiredness and laziness. In team games like football, volleyball, it teaches him about team work and adaptability. It helps him to improve his stamina. It helps him to be proficient in any particular sport. It helps him in his Resume (Curriculum Vitae) in filling up the extra-curricular activities section. It also helps him to win some medals and trophies for the college (provided he plays really well). Finally, it helps him to get a healthy and routine life.

And because sports are this important in all walks of life, we make sure at UIIT all the students actively participate in any form of sports they are interested in. To make sure that students can chose sports of their interest, the option provided to them are relatively immense. Either they can

choose from indoor sports or outdoor sports. If any student feels that both these don't click that curiosity in them, tech games are always as an option for the tech-enthusiasts. No opportunity is curbed from the students as they are allowed to participate in as much competitions as they can and the schedules are prepared accordingly for the participants.

In Indoor games, the participants are given Badminton, Table tennis, Volleyball, Carom Board, Chess and Basketball as the options to choose from. In outdoor games, the participants are given Cricket and Football to make the blood rush in their veins on the field. All these sports-competitions are completed within a period of seven days and hence the name coined for this week is Sports-Meet Week. This time it was observed from 4th to 11th of June, 2022. Some of the sports events were held in HPU sports ground and the Indoor games were held at the reputed Indira Gandhi sports complex, Shimla.

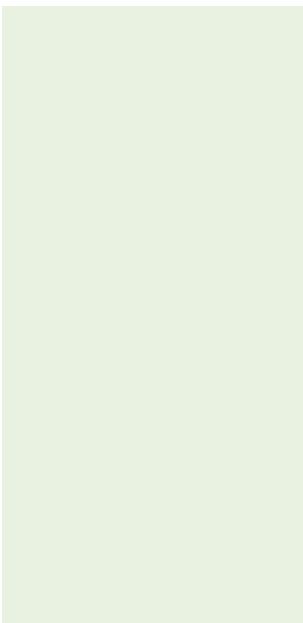


The tech games take place simultaneously on these days. All these seven days, the students were granted no-lecture days so that, if they are participating, they can perform, and if they are not, they can support the athletes without the chaos of classes.

If you are a part of the UIIT-Family you already know how thrilling, enthusiastic and passionate these seven days are. Although for the Indoor games, only the UITians are allowed

to spectate as no outsiders are allowed inside the IGSC premises on those days. But for the outdoor games, it is an open audience field and given the athletes of UIT are well known figures among the local residents, the crowd assembling to witness the thrilling games of cricket and football are breath-taking.

The results of the sports meet were as follows:



(4th to 11th June)

Outdoor Sports

Cricket (5th to 9th June)

Men:-

Winner - 3rd year

Women:-

Winner - 3rd year

Football (4th to 6th June)

Winner - 3rd Year

Basketball (4th to 6th June)

Men:-

Winner - 4th Year

Women:-

Winner - 1st Year

Kabaddi (4th to 6th June)

Men :-

Winner - 2nd Year

Women:-

Winner - 4th Year

Tug of War (8th June)

Winner - 3rd Year

E-Sports:- (6th to 7th June)

CS Go :- 3rd Year

CS 1.6 :- 4th Year

NFS:- Mayank IT 3rd Year

Indoor Sports

Badminton (10 to 11 June)

Men:-

Singles Winner - Abhisek Thakur 4th Year IT

Doubles Winner - Abhisek Thakur 4th Year IT & Divesh 2nd Year ECE



Women:-

Singles Winner - Simran Negi 4th Year IT

Mixed Doubles:-

Winner - Abhishek Thakur IT 4th Year & Simran Negi IT 4th Year

Volleyball (10 to 11 June)

Men :-

Winner :- 2nd Year

Women :-

Winner:- 4th Year

Table Tennis (10 to 11 June)

Boys Singles: Tarun Chauhan (Civil 3rd Year)

Girls Singles : Tanvi Rawat (CSE 1st Year)

Doubles: Tarun Chauhan (Civil 3rd Year) + Shashwat Sood (CSE 3rd Year)

Mixed Doubles : Tanvi Rawat (CSE 1st Year) + Saurav (Electrical 1st Year)

Carrom:- (10 to 11 June)

Simran Sharma (1st Year Electrical) + Aman Sandhu (1st Year Electrical)

Chess:- (10 to 11 June)

Rohit Thakur EE 2nd Year

VISIT OF STUDENTS OF UIT TO ATAL TUNNEL

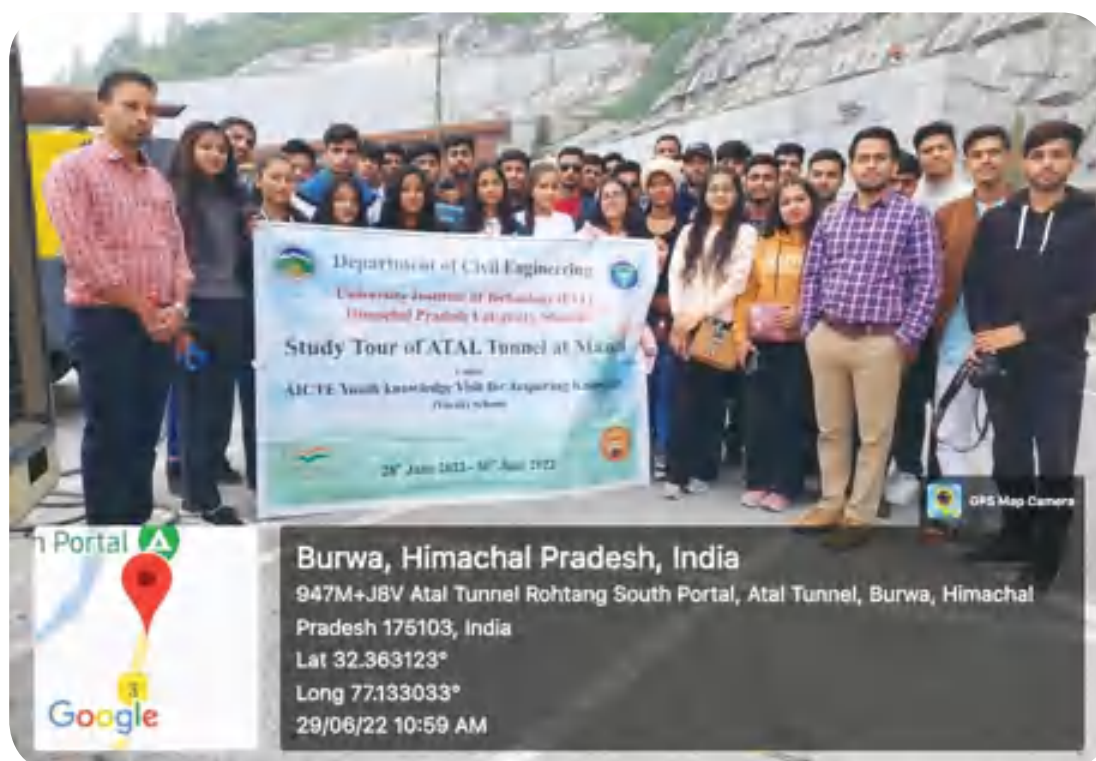


Third year students of Department of Civil Engineering, UIT along with the HoD and coordinator of the visit Dr. Mahesh Sharma and three other faculty members; Er. Praveen Bhardwaj, Er. Rahul Prashar and Dr. Shalu visited Atal Tunnel, Himachal Pradesh and IIT Mandi on 28.06.2022 and 29.06.2022 under AICTE – **Youth Undertaking Visit for Acquiring Knowledge (YUVAK) Scheme**.

The flagging off ceremony of the trip held at 7:00 am on 28.06.2022. The Director of UIT

Prof. P. L. Sharma applauded the Department of Civil Engineering for organising this visit and praised AICTE for sponsoring these learning expeditions as visits to mega-construction projects will benefit students in the long-run.

In afternoon of 28.06.2022, students visited the campus and Department of Civil Engineering IIT Mandi. They got exposure of High-Tech Laboratories and working environment of IIT Mandi. The visit to Atal tunnel was held on 29.06.2022 morning. Atal



Tunnel, an engineering marvel, has been built under the Rohtang Pass on the Leh-Manali Highway as an all-weather route to Leh and Lahaul and Spiti valleys. At a length of 9.02 km, it is the longest tunnel above 10,000 feet (3,048 m) in the world and is named after former Prime Minister of India, Atal Bihari

Vajpayee. It was inaugurated by Prime Minister Narendra Modi on 3rd October 2020. The tunnel reduces the overall distance between Manali & Leh from 116 km to 71 km and the travel time from 5 – 6 hours to about 2 hours. The tunnel has been built using the New Austrian Tunnelling Method and has been



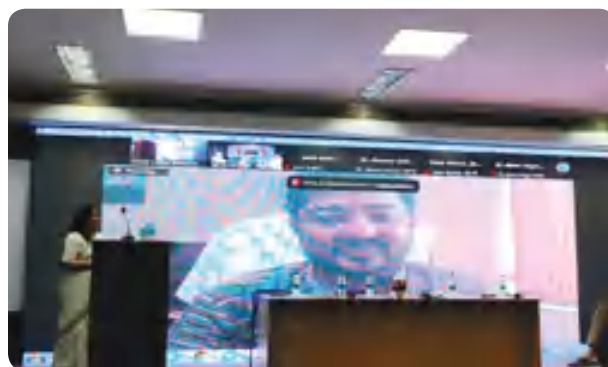
equipped with a semi-transverse ventilation system, where large fans separately circulate air throughout the tunnel. A 2.25 m tall and 3.6 m wide emergency tunnel has been integrated into the tunnel cross-section beneath the main carriageway for evacuation during emergencies. Pollution sensors continuously monitor the air quality in the tunnel and if the air quality in the tunnel is below the desired level, fresh air is injected into the tunnel via two heavy duty fans on each side of the tunnel. The trip was undertaken to enlighten the students about the new advancement in technology used to create this tunnel, who were also made aware of the new machinery that helped in its creation along with acquainting them with the world-class features that this longest highway single-tube tunnel has to offer. The visiting students called it a learning experience, vital for their growth in their field. The trip ends on 30.06.2022.



VISIT OF UIT STUDENTS TO KERALA UNDER AKAM-EBSB

Ek Bharat Shreshtha Bharat (EBSB) is a programme to promote national integration through systematic exchange between paired States/ UTs in the cultural, literary and linguistic fields. Under Azadi Ka Amrit Mahotsav (AKAM), EBSB programme has been selected for Iconic Activities. With the expectation that the students of one state should

learn the linguistic and cultural aspects of the paired state covering history, culture, language, cuisine, festivals, clothing etc., to begin with. In the month of June, 2022 at least 50 students from a state (25 students each from schools and HEIs) were to visit the paired state for a period of 5 days under AKAM-EBSB programme. Besides promoting the spirit of Ek Bharat Shrestha Bharat,





this programme is aimed to help them gain an understanding of the cultural beauty of India as well as provide them an understanding of diverse socio-economic living experiences. AICTE is the implementing agency for this prestigious programme on behalf of MoE, GoI.

It was a matter of great honour that University Institute of Technology (UIT) was selected by AICTE to participate in the AKAM- EBSB, in the first round itself. UIT had to pair up with state of Kerala in this exchange programme, wherein UIT had to send its students to SCMS Cochin School of Business and Rajagiri School

of Engineering & Technology, Kochin and Rajagiri School of Engineering & Technology, Kochin would be sending its students to UIT, H. P. University Shimla.

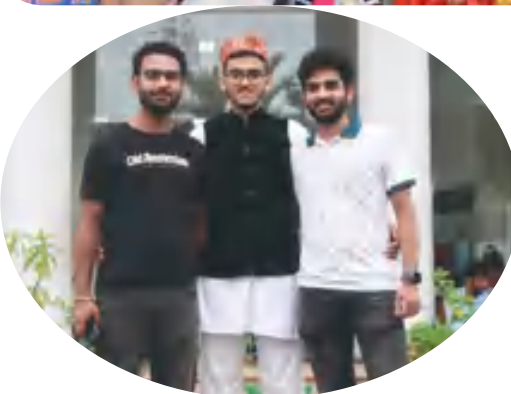
After seeking the necessary approvals and permissions from the competent authority, UIT planned its visit to Kerala. The process to select 25 students from across all the disciplines were selected as per the terms and condition laid down in the instructions circulated by AICTE.

The list of students shortlisted to visit Kerala was as follows:

S.No	Name	Roll No.	Branch	Semester
1	Sudhanshu Sharma	66306	IT	VIII
2	Abhishek Thakur	66317	IT	VIII
3	Pavashi	66328	IT	VIII
4	Piyush Sharma	66325	IT	VIII
5	Ayushi Kapoor	66362	IT	VIII
6	Aryan	19192610013	ECE	VI
7	Rohit Rana	19192610036	ECE	VI
8	Sakshi Sharma	19192610038	ECE	VI
9	Arpana Dandora	19192610012	ECE	VI
10	Amit Jamwal	19192610007	ECE	VI
11	Jatin Chauhan	18202610003	CE	VI
12	Pankaj	18202610005	CE	VI
13	Jyoti	18192610030	CE	VI
14	Shreya	18192610043	CE	VI
15	Vivek Bharti	18192610053	CE	VI
16	Sahil Bhatia	66001	CSE	VIII
17	Nishant Chauhan	66037	CSE	VIII
18	Ankit Sandhu	66041	CSE	VIII
19	Jyoti Dhiman	67209	CSE	VIII
20	Malvika Chauhan	67205	CSE	VIII
21	Saransh	20192610051	EE	VI
22	Meghna	20192610038	EE	VI
23	Ritwik Thakur	20192610049	EE	VI
24	Harsh Chauhan	20202610004	EE	VI







Pradeep Kumar, Asstt. Prof. of Physics and Er. Reetam Negi, were the faculty coordinators to accompany students to Kerala. Visit of 25 UIT students started on 25th June with flag off ceremony presided over by Hon'ble Pro-Vice Chancellor Prof. Jyoti Prakash. Director UIT Prof. P. L. Sharma and Assistant Professor Pradeep Kumar were also present on the occasion. UIT students joined others 25 school students from various schools of HP at ISBT Tutikandi from where both the teams went to Hazarat Nizamuddin railway station by a Volvo bus. On 26th June students boarded Rajdhani express and travelled down to the south after crossing several states on Western Ghats. In the train students met army personals from Kerala, who were going back to their home and interacted with them and expressed their willingness to learn Malayalam. On 27th June students boarded off the train at Ernakulam railway station where teachers of SCMS welcomed and took entire team to their institute by a bus.

Actual five days programme started on 28th June with inauguration ceremony presided over by vice-chairman of AICTE Prof. M.P. Poonia which was followed by a floral welcome to the team from Himachal Pradesh. In his keynote address Prof. Poonia expressed his pleasure on coming together two states from north and south. After chief guest's address a brief presentation was given on Kerala underlining their rich heritage and culture. It was further mentioned that Kerala which is also known as "God's own country" drivers of their economy are spices, fisheries, tourism and remittances. It was also said that many youths from Kerala

work in gulf countries and bring remittances back to home in dollars. Pradeep Kumar, one of the faculty members from Himachal Pradesh, thanked SCMS for their warm welcome and expressed his pleasure on coming together two states which have set a milestone in the field of education and realizing sustainable development goals. Subsequently he also acquainted Kerala people about Himachal Pradesh underlying the fact that in addition to Dev Bhumi Himachal is also known as Veer Bhumi. First Param Veer Chakra (PVC) recipient Mr. Somnath Sharma and other two PVC Vijeta i.e Kargil Hero Capt. Bikram Batra and Naib Subedar Sanjay Kumar were from Himachal Pradesh only. HP is only the state in India having honor of highest Param Veer Chakras. Finally this ceremony concluded with revealing five days tour programme.

On the same day students visited "Hill Palace" museum and Mahavishnu temple. Museum was earlier a palace of maharaja of Cochin which was later integrated into Indian union and the palace is now a museum under ASI. There in the museum students learnt about the life styles, prevailing social customs and important battle fought by the state. Subsequently students went to Mahavishnu temple where they were asked to take off shirts while entering Garvagriha of the temple. Students were also given paisam (prashaad) and finally went back to college for dinner.

On the second day, students were taken to central fishery technology institute Kochi, Marine dive and fort Cochin. At CIFT students were acquainted with methods used in catching fishes, production, processing and packaging. After taking lunch students went to marine

drive, Kochi which was developed on analogy with marine drive in Mumbai. After taking one round around marine drive, students went to fort Cochin by a privately hired cruise. Fort Cochin is a location where Vasco de Gamma landed in 1498 AD and started fortifying their settlements. At fort Cochin students also got an opportunity to see India's first and oldest church.

On the third day, students visited Rassa Gurukul which is a resort with artificially created village like atmosphere on the bank of Chalakuddy river (Kerala's fifth longest), there in the resort students also took part in cooking with locals and learnt their cooking methods. It was noted that coconut oil was used in cooking with lots of spices in it. After taking lunch on banana leaves students were asked to go to Kerala state handloom cooperative society with 100% women participation in weaving. From there many students bought Kerala saris for themselves and their mothers. This day was concluded with visit to Cherai beach on Arabian sea. Pradeep Kumar said he was very nervous there in the beach because of sea waves. He also said someone local told him that last week one person was swept away by sea waves which amplified further his nervousness. He also thanked CISF jawans for escorting students and preventing them from going deep into the sea.

On the fourth day, students visited RLV college of music and fine art where they saw various performances like Kathkalli, Bharatnatyam, Mohiniattam and Krishanattam and sculptures made up of soil. After these performances students were served Kerala's local

dishes on banana leaves in traditional style. After this, students were taken to India's one of the largest shopping mall "LULU". Shopping mall was too big that only 20% could be explored in five hours. Students came back to college for dinner by Metro. It is worthwhile to mention that 90% of students travelled in metro for first time.

Day five and last day started with brief presentation on rainwater harvesting followed by performances of Kalaripayattu, a martial dance form which is used by woman in their self-defense. Finally, this day ended with Valedictory function in which Pradeep Kumar on the behalf of entire team thanked AICTE for this scheme and SCMS Cochin business school for wonderful hospitality. He also said he is very much touched by the humanity of the people, hospitality and warmth. Finally, students from H.P gave invitation to Kerala students to visit H.P so that they can reciprocate the same love and respect as given to them while their five day stay in Kochi.

On arrival of students and faculty members back to UIT, a welcome ceremony was also organized by UIT, in which students and the faculty members shared their experience about the visit. It was seen that these visiting students learnt the cultural values of Kerala and they could also speak some of the commonly used words and phrases in Malayalam. This implied that the very purpose of the visit was met and fulfilled. All in all, this programme was successful and Director UIT Prof. P. L. Sharma had all praise to the students and escorting faculty members for successfully completing the visit.

AZADI KA AMRIT MAHOTSAV (AKAM) – EK BHARAT SHRESHTHA BHARAT (EBSB) STUDENTS' VISIT - Itinerary

Place	Location	Time (Commencement)	Time (Conclusion)
Day 1 (28.6.22)			
Faculty In charge	Ms. Merlin & Dr. Bhagyalakshi		
Admin Representative	Mr. Balagopal		
Breakfast	Campus	8.30	9.30
Inuaguraion - Guests of Honor - Dr. Radha P. Thevannoor - Director (SCMS COCHIN) & SCMS Group Director & Dr. Indu Nair (SCMS Group Director & Professor (Systems)		9.30	10.30
Session & Discussions - Knowing the "God's own country" - Dr. Lishin & Ms. Merlin		10.30	12.00
Lunch		12.15	1.15
Hill Palace Museum	Hill Palace Rd, Irumpanam, Thrippunithura, 682301	1.45	4.00
Refreshments	Campus	5.00	5.30
Journaling or Sketching of Takeaways and impressions.	Self Assignment - Campus	5.30	6.30
Dinner	Campus	7.00	
Day 2 (29.6.22)			
Faculty In charge	Mr. George Joseph & Dr. Deepthy		
Admin Representative	Mr. Balagopal		
Breakfast	Campus	8.00	9.00
Kochi Metro Rail Limited	38JV+38G, Choornikkara, Aluva	9.15	10.00
Central Institute of Fisheries Technology	C.I.F.T Junction, CIFT Road Matsyapuri, Willingdon Island	11.00	12.00
Lunch	CIFT Canteen	12.15	1.15
Marine Drive (Urban planning -Anil Sir)	College Post Office, Convent Road, Shenoyo	2.00	3.00
Visit to Cochin Harbor	By Boat from Marine Drive	3.00	4.30
Refreshments	Packed	4.30	5.00
Jew Street & Parade Ground, Fort Kochi	Jew Town, Kappalandimukku, Mattancherry	5.00	6.00

Self Assignment	Campus	7.00	
Dinner	Campus	7.30	
Day 3 (30.6.22)			
Faculty In charge	Dr. Devika & Dr. Leena Francis		
Admin Representative	Mr. Sanal Potti		
Breakfast	Campus	8.00	9.00
Rasa Gurukul	Chalakudy, Kovilakam Kadavu Rd, Poolany, Meloor, Kerala 680311	10.00	12.30
Lunch	Rasa Gurukul	12.30	1.30
Chendamangalam Handloom	Main Rd, Near Vyapar Bhawan, North Paravur	3.00	4.30
Refreshments	Packed (At the Beach)	5.00	5.15
Beach	Cherai	5.15	6.15
Dinner	Campus	7.30	
Day 4 (01.07.22)			
Faculty In charge	Dr. Joseph George & Dr. LishinM.J.		
Admin Representative	Mr. Sanal Potti		
Breakfast	Campus	8.00	9.00
RLV College	W8RV+VXX, Mini Bypass Tripunithura Road, Hospital Rd, FACT Nagar, Thrippunithura, 682301	10.00	12.00
Lunch	RLV College Canteen	12.15	1.15
Folklore Museum	2059C, No 26, Pandit Karuppan Rd, near Thevara Ferry Road, Junction, Kochi	1.45	3.45
Refreshments	Campus	4.45	5.30
Self-Assignment		5.30	7.00
Dinner	Campus	7.15	
Day 5 (02.7.22)			
Faculty In charge	Ms. Anjali & Mr. Sudheer		
Admin Representative	Mr. Balagopal		
Breakfast	Campus	8.00	9.00
Sesion & Demo - Kalaripyattu		9.00	10.30
Team Building Exercise		10.45	12.15
Lunch		12.30	1.30
Kerala History Museum	Salem - Kochi Hwy, Near Hotel Seagate, Koonamthai, Edappally	2.00	3.00
Valedictory - Dr. Indu Nair & Dr. Baiju Radhakrishnan	Campus	3.30	4.30
Refreshments		4.30	5.00
Bone fire		6.00	7.30
Dinner	Campus	7.45	

STUDENTS ACHIEVEMENTS

Udbhav Kendra (Incubation Centre) and Institute Innovation Council of Central University of Himachal Pradesh organized Hackathon 2022 on March 2022. The last round

the event was on 27th march 2022. The first prize of Rs. 10,000/- was awarded to Archit Sharma, student of UIT, HPU, Shimla for project on Student Assessment Portal Technologies.



DIRECTOR'S ACHIEVEMENTS

Prof. P. L. Sharma, Director UIT.

1. Delivered a lecture on the topic “Applications of Mathematics in Cryptography” in the Department of Mathematics, Punjabi University, Patiala on 11-03-2022.
2. Publication:
 - Sharma P. L. and Ashima, *Construction of Irreducible Polynomials over Finite Fields*, Asian-European Journal of Mathematics, 2021, Published Online, <https://doi.org/10.1142/S1793557122501303>
 - Sharma P. L., Gupta Kritika, Badoga Nikhlesh Kumar and Ashima, *A New Mapping Scheme Using Elliptic Curve Cryptography*, The Journal Of Oriental Research Madras, Vol. XCII-LXXVIII (November 2021) , pp. 38-48, 2021.
 - Sharma P. L., Gupta Kritika, Badoga Nikhlesh Kumar, Ashima and Monga Himanshu, *Authenticated Public Key Encryption Scheme using Elliptic Curve Cryptography*, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Accepted for Publication.
3. **Ph. D. Student Guided:** Mr. Arun Kumar, Ph. D. student has submitted his thesis on 06-12-2021.
4. **Conference/ Lectures/ Events Organized:**
 - Organised two days “International Conference on Recent Trends in Mathematical Sciences” on 11-12-2021 & 12-12-2021.
 - Organised a Guest Lecture of Prof. Sanjay Sindhu, Director, UIIS, Avalodge, HPU on topic “Communication, Technology and Law” on 20-12-2021.
 - Celebrated National Mathematics Day with Chief Guest: Prof. Sikander Kumar, Hon’ble Vice Chancellor and Guest of Honour: Prof. Arvind Bhatt, Dean of Studies and Prof. Mahavir Singh, Dean, Faculty of Physical Sciences on 22-12-2021 and Inaugurated the Renovation work of the Department and the Murals constructed in the corridor of the Department.
 - Organised Interactive Session by the Department of Mathematics under the aegis of H. P. University Alumni Association with the Alumnus Dr. H. S. Jamwal (Retd. Principal, Govt. College, Hamirpur) and the students of M. Sc., M. Phil. and Ph. D. of the Department on 01-03-2022.

FACULTY

ACHIEVEMENTS

1. Dr. Kapil, Assistant Professor, Electronics & Communication Engineering

- As President IIC, UIT, H.P. University Shimla, organized and attended one-day workshop on "Process of Innovation Development & Technology Readiness Level (TRL) and Commercialization of Lab Technologies & Tech Transfer" in Collaboration with Maharaja Agrasen University, Baddi, on 22nd Feb. 2022.
- As President IIC, and Coordinator IPR cell, UIT, H.P. University Shimla, organized and attended one-day workshop on "Intellectual property rights and IP management for Innovation and Startup" in Collaboration with Maharaja Agrasen University, Baddi, on 07 Feb. 2022.
- As President IIC, and Coordinator IPR cell, UIT, H.P. University Shimla, organized one-day workshop on "“Entrepreneurship Skill, Attitude and Behavior Development” on 16th February, 2022".
- Attended the live master class on “International Patent Filing” by Turnip Innovations on 13-11-2021.
- Awarded Editorial Board Membership by Universal Wiser Publisher, Singapore for Digital Manufacturing Technology Journal.
- Awarded Academic Editorship by Hindwai publishers, London UK for Journal of Energy.
- Got Research Excellence Award by RSquareL, Global Academicians & Researchers Network (GARNet.) for my publications "Highly Efficient 2.4 and 5.8 GHz Dual-Band Rectenna for Energy Harvesting Applications," in IEEE Antennas and Wireless Propagation Letters, vol. 18, no. 12, pp. 2637-2641, Dec. 2019, doi: 10.1109/LAWP.2019.2946911.
- Awarded Fellow membership of RSquareL, Global Academicians & Researchers Network (GARNet.).

2. Dr. Nikita Gupta, Assistant Professor, Electrical Engineering

- **Papers Published**

- [1] Rahul Dogra, Sanjay Kumar, Nikita Gupta. Application of Artificial Neural Network for solar potential estimation in hilly region of India. Journal of Renewable energy and environment. February 2022.
- [2] Mahajan Sagar Bhaskar, Dhafer Almakhles, P. Sanjeevikumar, Umashankar Subramaniam, Nikita Gupta. Double-Switch Switched-Inductors Converter with Reduce Switch Voltage Stress for Renewable Integration. Computers & Electrical Engineering. January 2022.

- **Workshop attended**

- [1] One week Online FDP on Future Trends in Wireless Communications and Devices from 10th February 2022 to 14th February 2022 organized by Electronics Engineering Department, Rajkiya Engineering College Sonbhadra UP.
- [2] NPTEL E-Awareness Workshop in association with IIT Madras on 1st December, 2021.

3. Dr. Sanjay Sharma, Assistant Professor, Electrical Engineering

- **PATENTS:** “Deep Learning Based Robotic Judge for Rash Driving Crime” Application No. 202141002082. Status: Filed.

- **PUBLICATIONS**

- [1] Nitish Katal, Sanjay Kumar Singh, and Sanjay Kumar, “Covariance matrix adaptation evolution strategy for robust load frequency control of hydro power systems Songklanakarin, Journal of Science and Technology.
- [2] Sanjay, Nikita, V. Kumar, Tarlochan Kaur, “A Systematic Approach for Solar and Hydro Resource Assessment for DC Microgrid Applications”, Book Chapter in book DC Microgrids Publisher: Wiley Scrivener.
- [3] Rahul, Sanjay, Nikita “Application of Artificial Neural Network for solar potential estimation in hilly region of India” Journal of Renewable and Environment.
- [4] Sanjay, Sumit, Y. R. Sood, “A review on different parametric aspects and sizing methodologies of hybrid renewable energy system”, Journal of The Institution of Engineers (India): Series B.
- [5] Sanjay Kumar, Vineet Kumar, Nitish Katal, Sanjay Kumar Singh, Sumit Sharma, Pushpendra Sing, Multiarea Economic Dispatch Using Evolutionary Algorithms.

- **LECTURES DELIVERED**

- [1] Delivered a talk on “Energy Sector and IoT” in the five days faculty development programme, Internet of Things (IoT) Opportunities, issues and challenges for control and Biomedical Applications organized by National institute of Technology Jalandhar.
- [2] Feasibility Analysis of Renewable Energy System, in the five days faculty development programme “Emerging Technologies for Sustainable Developmen organized by Amity University Jaipur (Rajsthan).
- [3] Delivered a talk on “AI Technique in the field of Engineering, in the five days faculty development programme organized by Anand International College of Engineering, Jaipur.

- **WORKSHOP/SEMINAR:**

- [1] Participation in e-workshop on “Role of Traceable PMU in Smart Grids” held at CSIR National Physical Laboratory, New Delhi.
- [2] Organized One day lecture for Students counselling in UIT

- **ACHIEVEMENT:** Received conformation of 7th International conference of SoCTA-2022 funded by STEM-research Society in University Institute of Technology HPU Shimla. (Scopus Indexed)

MEDIA COVERAGE



കഥകളിയിൽ ലയിച്ച് ഷിംലയിലെ വിദ്യാർത്ഥികൾ

തൃശ്ശൂരിൽനിന്ന് കഥകളിപ്പരമ്പരയ്ക്കും അതിന്റെ അടിസ്ഥാനപരമായ കലാകൃതികൾക്കും ആവേശത്തോടെ വിദ്യാർത്ഥികൾ കേന്ദ്ര കലാകലാകർമ്മ കമ്മിറ്റിയുടെ അധ്യക്ഷതയിൽ പങ്കെടുത്തു. കേന്ദ്ര കലാകലാകർമ്മ കമ്മിറ്റിയുടെ അധ്യക്ഷതയിൽ പങ്കെടുത്തു. കേന്ദ്ര കലാകലാകർമ്മ കമ്മിറ്റിയുടെ അധ്യക്ഷതയിൽ പങ്കെടുത്തു.



കേന്ദ്ര കലാകലാകർമ്മ കമ്മിറ്റിയുടെ അധ്യക്ഷതയിൽ പങ്കെടുത്തു. കേന്ദ്ര കലാകലാകർമ്മ കമ്മിറ്റിയുടെ അധ്യക്ഷതയിൽ പങ്കെടുത്തു.

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കേരള റോഡ് സീറ്റിംഗ് റിമാന്റൽ കേന്ദ്രത്തിന്റെ വിദ്യാർത്ഥികൾ



കേരള റോഡ് സീറ്റിംഗ് റിമാന്റൽ കേന്ദ്രത്തിന്റെ വിദ്യാർത്ഥികൾ. കേരള റോഡ് സീറ്റിംഗ് റിമാന്റൽ കേന്ദ്രത്തിന്റെ വിദ്യാർത്ഥികൾ. കേരള റോഡ് സീറ്റിംഗ് റിമാന്റൽ കേന്ദ്രത്തിന്റെ വിദ്യാർത്ഥികൾ.

Ministry of Education

4h ·

#AKAM_EBSBStudentTour: The students from #HimachalPradesh during their visit to Chendamangalam Handloom Weavers Cooperative Society in #Kerala as part of Student Exchange Programme under #AKAM - Ek Bharat Shreshtha Bharat #AzadiKaAmritMahotsav



കഥകളി കണ്ടറിഞ്ഞ് ഷിംലയിലെ കുട്ടികൾ

കേരള കലാകലാകർമ്മ കമ്മിറ്റിയുടെ അധ്യക്ഷതയിൽ പങ്കെടുത്തു. കേരള കലാകലാകർമ്മ കമ്മിറ്റിയുടെ അധ്യക്ഷതയിൽ പങ്കെടുത്തു.

Set - 81 July 2022

<https://epaper.abhinavika.com>

Comming Up...

AKAM-EBSB PART-2



