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UIIT NEWSLETTER

A Quarterly Publication By:-

University Institute of Information Technology
H.P. University Shimla-171005
A NAAC Accredited "A"-Grade University

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"The first draft is just you telling yourself the story."

— Terry Pratchett

Launch of UIIT Newsletter-BITWITs

University Institute of Information Technology (UIIT), located on the campus of Himachal Pradesh University at Summer Hill, Shimla, 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 and, it now is well known established institute throughout not only in India but abroad also for its quality product. UIIT is a leading 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" is 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.

To be an academic and technical institution par excellence imparting knowledge to students in various branches of Science, Engineering and Technology maintaining a dynamic equilibrium with social, scientific, ecological and economic environment around and striving continuously for excellence in education, research and technological services to mankind.

Our mission includes:

- To bring about a paradigm shift in Science, Engineering & Technology.
- To create manpower that can contribute for the technological backbone of not only Himachal Pradesh but that of India too.
- To inculcate ethics and human values in the young budding professionals.
- To encourage the students to evolve themselves for the betterment of mankind.

Launch of UIIT Newsletter-BITWITs...contd...

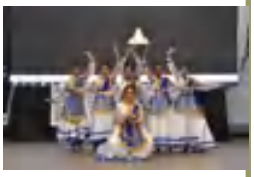
To make its mission successful, UIIT keeps itself busy, involving in various academic, social, research and innovation activities throughout the year. These activities sometimes remain unnoticed to the external world. To keep a documented record and for the interest of outside world, Director UIIT Prof. P. L. Sharma came up with an innovative idea of having a UIIT Newsletter. The idea was wholeheartedly welcomed by Faculty members and students. In discussion with the Faculty members, it was decided that the UIIT Newsletter will be named as BITWITs and it would be quarterly published. The Newsletter would cover all the noticeable academic, social, cultural, technical, research and innovation activities that occur in UIIT round the year, so as to get boost in every activity.

In this connection and in a very short notice, UIIT published its maiden issue of BITWITs on 4th November, 2018 in UTKARSH-2018 an Annual Techno-cultural fest of UIIT. The soft version of BITWITs was launched by the Chief Guest of inaugural session of UTKARSH-2018 **Er. Devendra Kumar Sharma,** Chairman BBMB Chandigarh and hard copy by the Chief Guest of valedictory session Prof. Mahavir Singh, the then Dean Faculty of Engineering and Technology, H. P. University Shimla. The hard work and dedicated efforts made by Prof. P. L. Sharma (Associate Chief Editor), Dr. Shyam Chand (Editor), Student Editors, Technical team members and contributions from Faculty members, to bring the first issue of BITWITs to daylight were applauded by the Chief guest.

"You don't start out writing good stuff. You start out writing crap and thinking it's good stuff, and then gradually you get better at it. That's why I say one of the most valuable traits is persistence."

— Octavia E. Butler

"Celebrate what you've accomplished, but raise the bar a little higher each time you succeed." – Mia Hamm



UTKARSH Tech-Fest "Dexteria" 2018

University Institute of Information Technology, HPU, celebrates it's Founder's Day as an Annual Techno-cultural mega event - UTKARSH every year. For the session 2018-2019, "UTKARSH" was organised from Nov. 2- Nov 5, 2018. Utkarsh was divided into two phases, first – Dexteria, in which all technical events were organised and second – Cultural, in which all cultural events were organised. Er. D. K. Sharma, Chairman, BBMB, Chandigarh was the Chief Guest, Prof. Kamaljeet Singh, Dean of Students Welfare, HPU, was the Guest of Honour along with Prof. P. L. Sharma, worthy Director, UIIT, HPU.

Event started with lamp lightning by chief guest along with the other dignitaries, followed by felicitation of dignitaries. Prof. P. L. Sharma, Director UIIT, addressed the gathering and highlighted the multidimensional achievements of UIIT. After the welcome speech by Prof. P. L. Sharma, Director, UIIT, the Chief Guest Er. D. K. Sharma addressed the gathering. He highlighted different ways in which students can come up with the ideas of innovation and can do remarkable things with the resources available in the country. Dr. Shyam Chand expressed a vote of thanks.

The first two days of Utkarsh were dedicated for technical events. The main motive behind these events was to test the innovating thinking of students and let them think out of the box. There were six technical events- Winshoot, Problematics, Aperture, Quibble, DesignX, and Google Hunt. All were equally planned, executed and were managed to gather maximum response. Technical events started with Quible in HPU auditorium on the first day. Rest of the events were organised in UIIT on that day and the day after. The events were successful enough to attract as many as 400 plus registrations. Students from different colleges participated in all the events and presented their talent. Winners of the technical events were presented with pendrives and certificates as token of encouragement, appreciation and prize. Apart from these technical events gaming were also organised. The winners were encouraged with a cash prize for all the events.

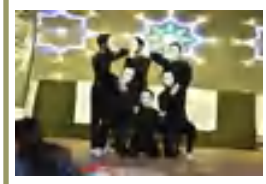
UTKARSH Tech-Fest "Dexteria" 2018 ...contd..

UIIT organises UTKARSH every year with the objective to provide platform for the students to showcase their talent with a competitive spirit. Focusing on the types of events to be included in the fest was decided by fest coordinators keeping the interest and need of the engineering students into consideration, with little emphasis on the fun full events behind the scene.

Natti, Bhangra, Western Dances, Gidda by various groups of students were some of the splendid displays performed. On the day of valedictory session Prof. Mahavir Singh, Dean Faculty of Engineering and Technology, HPU was the Chief Guest and Prof. Pawan Garg, Director University Business School and UCBS was the Guest of Honour. The Chief Guest and the Guest of Honour distributed certificates to the winners of Technical events.

With the able guidance of Prof. P. L. Sharma, Director UIIT, valuable inputs from Faculty Members and with the tremendous efforts and hard work of vibrant ETSA team, the Annual Techno -cultural event - UTKARSH "Dexteria" 2018 was *SMASH HIT*.

"Remember to celebrate milestones as you prepare for the road ahead."
– Nelson Mandela



The number one benefit of information technology is that it empowers people to do what they want to do. It lets people be creative. It lets people be productive. It lets people learn things they didn't think they could learn before, and so in a sense it is all about potential. Steve Ballmer

Hosting of Online Test CAG

Today ***Online Examination System*** has become a fast growing examination method because of its speed and accuracy. It also requires less manpower to execute the examination. Almost all organizations now-a-days, are conducting their objective exams by online examination system, it saves students time in examinations. Organizations can also easily check the performance of the student that they give in an examination. As a result of this, organizations are releasing results in less time. It also helps the environment by saving paper.

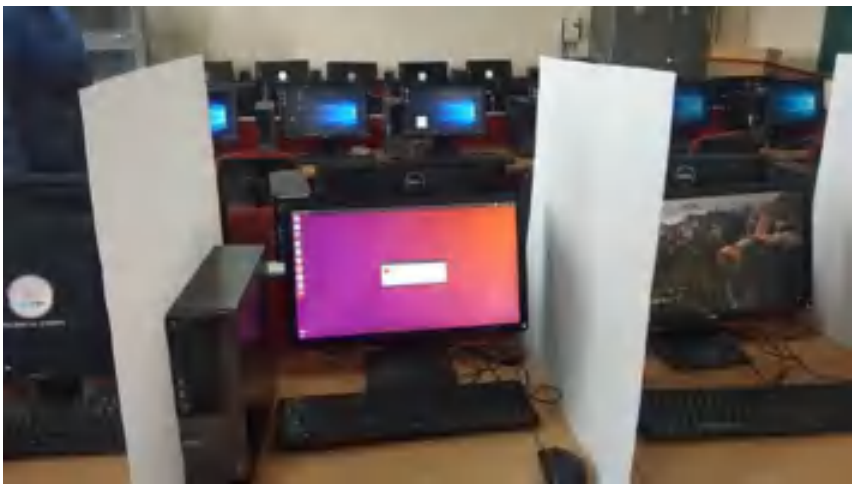
In an online examination system examinee get their user IDs and password with his/her admit card. This ID is already saved in the examination server. When examine login to the server he/she get his/her profile already register. On the certain time examinee gets the message to start the examination. All answers given by examine are saved into the server with his/her profile information. Online examination system also allows to correct the answer if the examinee needs to change any answer during the timing of examination. However, after the time duration no change in the answers can be done. This also makes checking the answer easy and error proof as computers are more accurate than man and provide fast results too.

Online examination system is a non removable examination pattern of today's life. We need more time saving and more accurate examination system as the number of applicants are increasing day by day. For all IT students and professionals, it is very important to have some basic understanding about the online examination system.

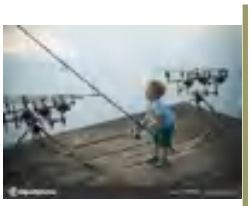
In this connection, a group of students of UIIT also developed a software module with the help of which they could conduct some online mock tests and some small scale online test series conducted in H. P. University without any error. This was a big boost for UIIT and UIIT was thinking to conduct its own test fully through online mode. But, for this to happen we needed some support from University Administration and self confidence to execute the planning. Biggest hurdle in conducting such a test is the requisite infrastructure consisting of computers, a broadband internet and proper networking of computers with the main server.

A breakthrough was achieved when an e-mail was sent to UIIT by Eduquity Career Technology Pvt Ltd, through Dean of Studies, H . P. University, Shimla, wherein they requested to provide space and technical infrastructure to conduct CAS-SAS Online Test on behalf of Controller and Auditor General of India, New Delhi, from 14th to 21st December 2018. They furnished a list of requirements and technical infrastructure with high end specifications such as– Computer lab with 110 computers (Pentium IV/Dual core, 1/Higher GB RAM, 80/ Higher GB HDD, 15" Monitor and other standard accessories), Latest operating system (Windows XP/Windows 7 or 8 with antivirus), LAN card, UPS, standby Generator, CCTV coverage, separate server room, printer, reception area, waiting area, requisite man power, security guards etc. Director UIIT, Prof. P. L. Sharma anticipated a good opportunity to test preparedness to execute such online tests in UIIT. He directed the technical staff of UIIT to make necessary networking and infrastructure to make ready for the said test.

The test was conducted smoothly and without any hassle with the support from CAG officials/staff and the staff of UIIT. It was a big confidence booster for UIIT and UIIT would welcome any request from any agency to conduct such online tests in UIIT. Further, it had given enough confidence to the technical staff of UIIT to go for online test for admission to UIIT. Director UIIT, Prof. P. L. Sharma, applauded the tremendous efforts made by Mr. Maheder Kumar and Mr. Vikas Sharma for setting up the requisite and excellent technical infrastructure and all the staff members of UIIT for successful execution of the CAS-SAS Online Test.



In information technology, money is not the issue. Willingness to implement and execute is the issue. N.



"for the things we have to learn before we can do them, we learn by doing them"

-Aristotle

Winter Vacation & Hands on Learning Experience

"After exhaustive and rigorous Internal and External Semester End Examinations spanned almost over one and half month, students of UIIT enjoy winter vacation till mid-February when new semester begins. But during this vacation period they are asked to get engaged in academic projects. The main motive is to check how good they are at practical skills. These projects give them an opportunity to put theoretical knowledge to actual practice. So the students of UIIT put honest efforts in their academic project and make the best out of them. The practical experience gained will not only help with interviews but also help them to be a better engineer. By doing projects they develop a good understanding of all principles involved.

Vacation training programs provide them opportunity to learn and acquire practical skills that are much needed for a core job in the future. It also provides opportunity to brush up on all basics of engineering concepts from previous years. Besides this they can also prepare for aptitude, reasoning tests by practicing daily from online resources, can improve communication skills by reading books and conversing with more people or take up courses for improving conversation skills, aptitude skills and other soft skills.

After re-joining their classes students are asked to submit their project reports, which are evaluated by the project supervisor and the examiner. Some of the interesting projects done by students are worth sharing:

Mr. Ansh (CSE-III year) and Naveen (IT-III year) did their project at DRDO with Scientific Analysis Group on ***Study of Cipher through Deep Learning.*** In their training they studied about the Machine Learning, Deep Neural Networks and various ciphers like Trivium (stream) and Simon (Block). They compared and studied randomness achieved by both the ciphers in different rounds with the help of Deep Neural Networks.

Team Name :- COSMOS

Members :- *Naveen Kumar(3740), Mohit Sharma(3720) and Nihal Sharma(3723) B.Tech (IT), 3rd Year*

In his own words, one of the group members shared his learning experience with us as:

I (Naveen Kumar) and my friends created a software using Java, Python & Oracle database technology for UIIT library under the guidance of Library In-charge Mr. Sunil Kumar and with the help of Dr. Rajesh Chauhan. The software includes functions like "LogIn System", "Searching Books", "Issuing Books", "Returning Books", "Fine Calculation", "Adding New Books", "Seeing Current Borrowers", "Lost Books Management", "Updating Fine Calculation", "Generating Reports". This part is created in JavaFX.

Further, we have also created some additional module/ features like *Data Visualization* in Python to visualize the library data. It includes features like Graphical/Chart representation of followings:

- Category wise Books
- Available – Issued – Lost books
- Books Issued per month
- No of Borrowers increasing with time

Moreover, it displays some useful information about the data and most popular activities like :

- *Most Popular Book*
- *Most Popular Author*
- *Total Available Books In Library*
- *Total Issued Books at that time instance*
- *Total Lost Books*

We have successfully installed the software in Library and testing is being done on this. We are expecting it to behave normally without any exception at runtime.

Vacations brighten a man. They tend to make his work more attractive to him and to make him more attractive to his work. -Harry Van Demark

"I raise up my voice–not so I can shout, but so that those without a voice can be heard...we cannot succeed when half of us are held back."
—Malala Yousafzai

International Women's Day

International Women's Day is celebrated on March 8 every year as a symbol of movement for women's rights. Gender equality and women's rights are fundamental to global progress on peace and security, human rights and sustainable development. We can only re-establish trust in institutions, rebuild global solidarity and reap the benefits of diverse perspectives by challenging historic injustices; hence, promoting the rights and dignity of all. Gender equality is fundamentally a question of power. We live in a male-dominated world with a male-dominated culture. Against this backdrop, we need to redouble our efforts to protect and promote women's rights, dignity and leadership to shift the balance. The fundamental need of hour is to increase the number of women decision-makers to have gender parity.

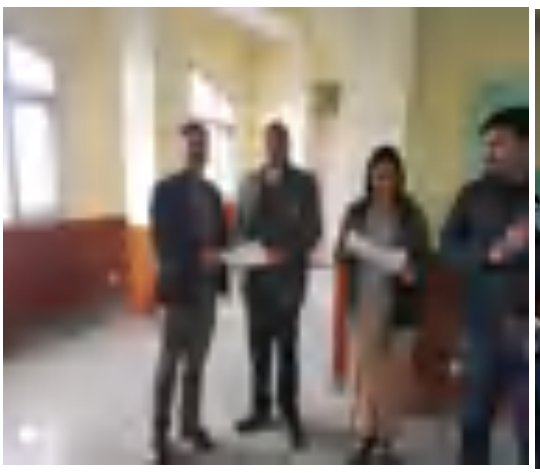
In some countries, while homicide rates overall are decreasing, femicide rates are rising. In others we see a rollback of legal protection against domestic violence or female genital mutilation. We know women's participation makes peace agreements more durable, but even governments that are vocal advocates fail to back their words with action. The use of sexual violence as a tactic in conflict continues to traumatize individuals and entire societies.

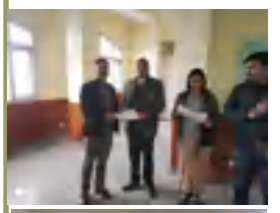
This year's theme for International Women's Day was "*Think Equal, Build Smart, Innovate for Change"* . We need to find innovative ways of reimagining and rebuilding our world so that it works for everyone. Women decision-makers in areas like urban design, transport and public services can increase women's access, prevent harassment and violence, and improve everyone's quality of life. This applies equally to the digital future that is already upon us. Innovation and technology reflect the people who make them. The underrepresentation and lack of retention of women in the fields of science, technology, engineering, mathematics and design should also be a cause of concern to all.

International Women's Day ..contd...

Achieving a gender-equal world requires social innovations that work for both women and men and leave no one behind and pay attention to how and by whom technology is used and accessed, and ensuring that women and girls play a decisive role in emerging industries. Aim is to build smart solutions that go beyond acknowledging the gender gaps in addressing the needs of men and women equally.

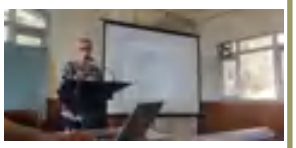
To celebrate women and girls, their limitless imagination, their joyous dreams and their boundless strength, UIIT also celebrated International Women's Day on March 8, 2019. It was organised by Er. Anu Gaur, Assistant Prof. (ECE) and hosted by Mr. Sunil Kumar, (Programmer), UIIT H. P. University Shimla. All the Faculty members including Guest faculty, non-teaching staff and students of UIIT witnessed the celebration. Prof. P. L. Sharma, Director UIIT, was the Chief Guest for the event. The programme started at 11:00 AM in the UIIT conference hall. Mr. Sunil Kumar presented his speech to welcome Chief Guest and gathering, followed by a speech on International Women's Day by Er. Anu Gaur. There were about six presentation made by students of UIIT which included some poems, speeches. Afterwards, Prof. P. L. Sharma, Director UIIT and Chief Guest for the occasion presented his address on International Women's Day and applauded the organisers for meticulously organising the programme. He also distributed the certificates to participants and organisers.





"There is no limit to what we, as women, can accomplish."

–Michelle Obama



Special Lecture

A special lecture as an interactive session was held for the students of UIIT on 4th April, 2019 and the resource person invited for this occasion was Ms. Helen Kemp, Manager International Marketing (IET), from New Zeeland. Ms Kemp said that the students could learn new concepts in Information and Communication Technology at the EIT, which is a tertiary educational institution owning three campuses, administrated by the government. She listed the jobs that the students could take up like website/software developer, computer technician, system engineer, software programmer, IT consultant/ Manager, user experience designer and multimedia developer , network technician etc.

On this occasion, Prof. P. L. Sharma, Director UIIT, Welcomed the Speaker and audience and thanked Ms Helen Kemp for being with UIIT and sharing her valuable and vast experience with the students of UIIT. He said that the main idea behind the special lecture was to give exposure to the students of UIIT about the job opportunities and courses abroad, which they could opt after completion of their B. Tech. programme, as many student of UIIT also go abroad for jobs and for higher studies as well.

Later, Mr. Sanchit Walia also interacted with the students. Prof. P. L. Sharma also assured to the students of UIIT that a one weeks training programme for students would be conducted in the month of September or October which will be conducted by the faculty members from New Zeeland.

One day workshop on Python and Android Apps

Programming is a fantastic skill to learn. Python is a relatively new programming language that was created by Guido van Rossum and released in 1991. Its ruling design philosophy is 'readability'. Which means, codes are so easy to follow even for a non-coder. In present scenario Python is highly useful language not only for the development of websites and programming but this language found its suitability in data analysis, machine learning, deep learning and Big Data. It utilizes a lot of white space and makes efficient use of commands. Therefore, it is possible to get more done with fewer lines of code. This simplicity and elegance makes Python a great choice for new programmers.

To make students of UIIT more familiar with the applications of Python and Java to design Android apps, a one day workshop was organised on 6th April, 2019 (Saturday). On this occasion Prof. P. L. Sharma said that such workshops would help develop the skill to design different Apps which would benefit users a lot.

During the workshop students learnt that Android, being open and accessible, is a great place to start doing programming with Python. For starters, there are interpreters available on multiple operating systems. We can run scripts on Windows, Mac, Linux and Android. Python is also one of the main programming language with the help of which we can make a wide range of exciting gadgets and it is an ideal language to teach kids. That's why learning to code with Python might offer an appealing alternative for some. Python is designed with the beginner in mind. Students can start building scripts and testing them on their Android device almost immediately. In short, this is one of the fastest ways to get up and running with some basic coding on Android. Once we start playing around with some of the more advanced features, we can use it to pull off some awesome tricks for automating phone and more.

The resource persons, Mr. Jasdeep for Python and Mr. Kanchan for Java and Android, were called from SLR Infotech Chandigarh.

Any fool can write code that a computer can understand. Good programmers write code that humans can understand–Martin Fowler

Without continual growth and progress, such words as improvement, achievement, and success have no meaning.

Benjamin Franklin

Horizontal Expansion

Started with a scratch in the year 2000 but with a far sighted vision, UIIT has now grown to a full fledged Engineering Institute, with enormous possibilities in store. It started as BIT course, but due to overwhelming response of students to get admission in the course and its viability, it was converted to B. Tech. degree course of 40 intake capacity. Later, for the academic session 2006-2007, the intake strength grew to 60 with the sanction from AICTE. By that time, UIIT had earned its brand name not only in terms of quality of technical education being imparted but also for its excellent placement statistics which were on the rise year after year.

In view of the exciting response from the candidates and steep rise in the application received for admission, University granted its permission to double the student intake and then two sections of B.Tech. (IT), each of 60 students, were admitted in the year 2009. But, in the year 2010 B. Tech. (CSE) programme was introduced with intake of 60 and the intake of B.Tech. (IT) was reduced from 120 to 60 for the want of infrastructure. Both, the B.Tech. (IT/CSE) programmes of UIIT have remained highly preferred coursed over the years, with more than 90% placements.

In the year 2017, UIIT was shifted to its own New campus at Silverwood Estate, H. P. University Summerhill Shimla, where *all new* building of UIIT as well as the big chunk of land of University in its vicinity, offer plenty of space and hence the opportunity for expansion. The Executive Council (EC) of HPU has already recognised the worth of UIIT and possibility of its expansion and it has decided to start new Engineering courses long ago. But, the decisive impetus was put in by seating visionary Hon'ble Vice Chancellor, Prof. Sikander Kumar, who took the initiative to pass the resolution in EC to start three new courses of B. Tech. (Civil Engineering, Electrical Engineering and Electronics & Communication Engineering) in UIIT from the coming session 2019-2020, besides two courses already in place.

Prof. Sikander Kumar has very closely observed the potential of UIIT and has helped UIIT in many respect in past also. But, ever since Prof. Sikander Kumar has taken over as the seat of Hon'ble Vice Chancellor, development of UIIT is one of his topmost priorities of visionary plans. Not only did he took initiatives to start new courses but he also has directed the concerned officials for surveying to be done and chalk out plan to

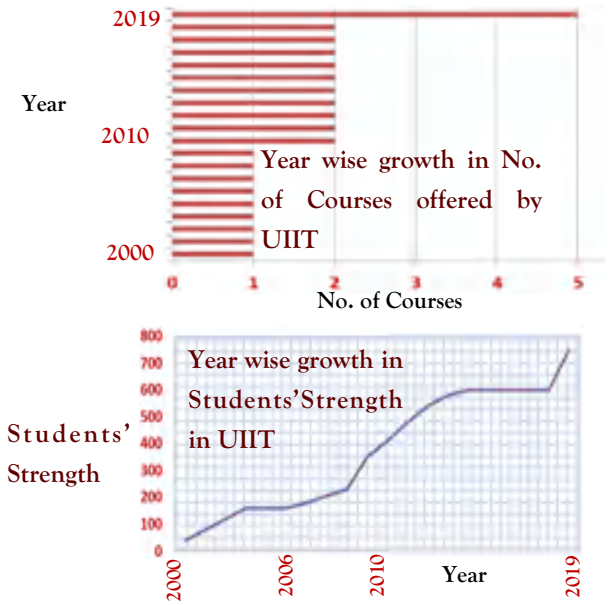
Horizontal Expansion ..contd...

construct more infrastructure and building for UIIT.

On the other hand Director UIIT Prof. P. L. Sharma, Coordinator UIIT Prof. Jawahar Thakur, Faculty Members and staff of UIIT welcomed the steps taken by Hon'ble Vice Chancellor, Prof. Sikander Kumar, to uplift UIIT. In view to start new courses, UIIT has already restructured its admission process. Response of the candidates aspiring to seek admission in UIIT is overwhelming and there is a significant increase in the number of online applications finally submitted by the candidates this year, as per the information given by the Coordinator (Admissions) Dr. Shyam Chand.

Further, UIIT has designed the syllabi for these new courses and has also revised/updated the syllabi of already existing two courses, in accordance with the latest model curriculum issued by AICTE. The designed and updated syllabi were discussed and approved in Department Council of UIIT. In the next step, these syllabi were placed in the Board of Studies consisting of Faculty members of UIIT and some subject experts from NIT Hamirpur, NIT Jalandhar and NIT Kurukshetra and were duly approved. Now these syllabi are under the process to place in Faculty. Another good news and important one is that AICTE has accorded its approval for 60 seats in each new course. So, all in all, UIIT is all set to run new courses, with its tails up. But, UIIT is not going to stop here and has many other plans in store like starting other programmes viz. - M. Tech., M. Sc., M. Phil, Ph. D etc. How soon? Only time will tell.

Growth Profile of UIIT



"Growth is never by mere chance; it is the result of forces working together."

James Cash Penney

Train the Trainers

Faculty Development Programme

AICTE sponsored Three Days Faculty Development Programme on Universal Human Values

One of the good practices that UIIT never misses to follow is Students Induction Programme which is a sort of an orientation programme for the newly admitted B. Tech students who after going through a rigorous selection process of institute make it to UIIT. Ever since its inception in the year 2000, UIIT has kept this tradition alive till date and is committed to follow the same for the years to come. The major objective of the programme is to make the parents and students aware of the academic aspects of the course, the rules and regulations of the Institute and ensuring parental participation in monitoring the performance and progress of the students. It is mainly focused to make students aware on their very first day in the institute, about the activities which they are to be involved in the next four years of programme and the do's and don'ts that they have to abide by. The outcome of the one day induction programmes has been very effective and positive over the years for UIIT, in the sense that students feel at ease, safe and secure in terms of their career and life ahead.

But, recent directions from All India Council for Technical Education (AICTE) have made it compulsory to organise Students Induction Programme and to ensure zero tolerance towards this activity, the Students Induction Programme are made as part of academic programme to be conducted over a span of three weeks. To have a holistic outlook towards life, and have a desire to work for national needs and beyond, the graduating student must have excellent knowledge and skills in the area of his study. However, he must also have broad understanding of society and relationships. Character needs to be nurtured as an essential quality by which he would understand and fulfil his responsibility as an engineer, a citizen and a human being.

Faculty Development Programme ..contd...

As an initiative in this direction, AICTE is conducting Faculty Development Programmes (FDP) in engineering institution in different parts of the country. The UIIT being an AICTE approved institution of H. P. University Shimla, is one of the venues where FDP was conducted. The responsibility to organise a Three Days FDP (w.e.f. 24-26 May 2019) was given to UIIT by AICTE. Prof. P. L. Sharma Director UIIT was the convener, Prof. S. K. Dhiman was coordinator and all the faculty members and non-teaching staff members were made the part of organising team under various committees of the programme. The programme started at 10:00 AM with arrival of the Chief Guest for the inaugural session **Dr. Neetu Bhagat,** Deputy Director, Policy & Academic Planning Bureau, AICTE, New Delhi. At the very outset, Er. Akshay Bhardwaj formally welcomed Chief Guests Dr. Neetu Bhagat, Guest of Honour and resource person Prof. Raminder Singh Uppal, Programme Coordinator Prof. S. K. Dhiman, Convener Prof. P. L. Sharma, Coordinator UIIT Prof. Jawahar Thakur and Participants from different parts of the country. This was followed by rituals of Saraswati vandana, H. P. University Kulgeet and Felicitation of Chief guests and other dignitaries.

Prof. P. L. Sharma Director UIIT and worthy Convener of FDP welcomed all the dignitaries and thanked AICTE for giving chance to organise such an event in UIIT. His motivational speech was applauded by one and all present in the hall. Later, Prof. S. K. Dhiman Coordinator of the FDP presented his introductory speech about the objective of this programme. He emphasised that, there is a mad rush for engineering today, without the student determining for himself his interests and his goals. This is a major factor in the current state of demotivation that exists among UG students towards studies. The success of gaining admission into a desired institution but failure in getting the desired branch, with peer pressure generating its own problems, leads to a peer environment that is demotivating and corrosive.

Anyone who stops learning is old — whether this happens at twenty or at eighty. Anyone who keeps on learning not only remains young but becomes constantly more valuable — regardless of physical capacity.

"You cannot teach a man anything. You can only help him discover it within himself."

Albert Einstein

Faculty Development Programme –contd..

To come out of this situation, a multi-pronged approach is needed to de-stress the students. One will have to work closely with the newly joined students in making them feel comfortable, allow them to explore their academic interests and activities, reduce competition and make them work for excellence, promote bonding within them, build relations between teachers and students, give a broader view of life, and build character.

On behalf of AICTE, Dr. Neetu Bhagat, Deputy Director, Policy & Academic Planning Bureau, AICTE, New Delhi and Chief Guest of the programme, presented her speech. In her speech, she emphasized that when new students enter an institution, they also come with diverse thoughts, backgrounds and preparations. They come into a new unfamiliar environment, and many of them have little knowledge of a university/college. An important task, therefore, is to welcome the new students to higher education and prepare them for their new role. Transition from school to university/college life is one of the most challenging events in a student's life. Currently, precious little is done by most institutions, except for an orientation program lasting a day or for couple of days. However, Student Induction should be designed to help in understanding the whole process of being a better human being. Therefore, it should be taken seriously, and as something more than the mere orientation program.

Later, during the three days programme participants were trained by the worthy resourceful Resource Person Prof. Raminder Singh Uppal, to understand the importance of Students Induction Programme. Participants understood that, the very purpose of the Student Induction Program is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. It should be a well-planned event to educate the new entrants about the environment in a particular institution, and connect them with the people in it.

Participants were informed that the Student Induction Program be conducted with the new students as soon as they come into the institution; regular classes start only after that. At the start of the induction, the incumbents should be made to learn about the institutional policies, processes, practices, culture and values, and their mentor groups should be formed. Then students are supposed to be involved in the following activities:

- Physical Activity
- Creative Arts and Culture
- Mentoring & Universal Human Values
- Familiarization with College, Dept./Branch
- Literary Activity
- Proficiency Modules
- Lectures by Eminent People
- Visits in Local Area
- Extra-Curricular Activities in College
- Feedback and Report on the Programme

The time during the Induction Program should also be utilised to rectify some critical lacunas, for example, English background, for those students who have deficiency in it, which are to be included under Proficiency Modules.

Finally, on valedictory session, participants were asked to deposit their feedback forms and each participant was asked to speak about the impact of FDP and everyone felt that there should be a 3 -week long induction program for the UG students entering the institution, right at the start. Normal classes should start only after the induction program is over. Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature.

"Opportunities don't happen. You create them."-- Chris Grosser

From the Placement Cell UIIT

The Training and Placement Cell of UIIT plays a crucial role in locating job opportunities for Under Graduates passing out from the institute by keeping in touch with reputed IT firms and industrial establishments. It is committed to provide all possible assistance to our students in their efforts to find employment. This commitment is demonstrated by the existence of a Incharge, Training & Placements **Dr. Dhirendra Sharma**, Associate Professor, UIIT. Under his single handed efforts for placement drives, UIIT has maintained a high placement statistics over the years, which itself is a testimony to our quality. Our Placement Cell operates round the year by conducting systematic interaction and liaison with the industry and continuous career counseling of the students.

The number of students placed through the campus interviews is continuously rising. The Placement Cell organizes career guidance programmes and training programmes like Mock Interviews, Group Discussions, Communication Skills Workshop etc. It also invites quality resource persons from different industries and academia to conduct training programmes for final year students.

The placement drive for the current passing out batch (2015-19) has achieved new heights in term of number of students placed and package amount. Here is the list of placed students:

CLICK LABS (9 Lacs)

1. Anjalica
2. Nikhil Sharma
3. Suraj Kumar Bhardwaj
4. Sidharth Sood
5. Sourabh Katoch
6. Akshay Dogra
7. Saurabh Mishra
8. Sahil Puri

LEAPBIKE Technologies Pvt. Ltd (4 Lacs)

1. Arsh Razdan

EBIZON, Noida (5 lacs)

1.Saurabh Mishra

CAPGEMINI (3.8 lac)

1. Sidharth Sood
2. Vaishali Bhardwaj
3. Utkarsh Banyal
4. Aditya Sud
5. Kushager Garg
6. Ekta
7. Akshay Dogra
8. Rahul Katoch
9. Manoj Thakur
10. Ishan Dhalaria
11. Chanderhass
12. Saurbah Katoch
13. Arun Bahari
14. Hitesh Thakur

From the Placement Cell UIIT ..contd...

INFOSYS (3.6 lacs)

1. Aditya Sud
2. Agrim Kandoria
3. Anjalica Suman
4. Anshul
5. Jatin Sharma
6. Lakhan Kumar
7. Manoj Thakur
8. Nikhilesh Garg
9. Pardeep Kumar
10. Piyush
11. Rohitakshi Sharma
12. Sahil Puri
13. Saksham Sharma
14. Shikha Thakur
15. Sushant Thakur
16. Utkarsh Banyal
17. Kavya Rawat
18. Aditya Gautam
19. Akshay Dogra
20. Anchal Barwal
21. Deeksha Kumari
22. Robin Sharma
23. Rishav Sharma
24. Ekta
25. Saurabh Mishra
26. Arun Bahari
27. Rishabh Sharma

TCS (3.6 Lacs)

1. Anjalica Suman
2. Shikha Thakur
3. Suraj Kumar Bhardwaj
4. Sahil Puri
5. Sidharth Sood
6. Aditya Sud
7. Nikhil Sharma

HPE, Bangalore (5.25 L)

1. Somya Sharma
2. Prabhakar Bharadwaj

V Serve Business Systems, Mohali (3.5 lacs)

1. Deepak Thakur
2. Nikhil Sharma
3. Prashant Bhardwad
4. Rahul Katoch
5. Shivansh Sharma
6. Somya Sharma

Wipro Technologies (3.5 Lpa)

1. Nikita
2. Amit
3. Vipin
4. Sahil Puri
5. Tanya
6. Sidharth Sood
7. Sudarshan
8. Somya
9. Radhika
10. Jatin
11. Akshay Pathania
12. Chanderhass
13. Shubham kaundal
14. Prashant
15. Anjlica
16. Hemant
17. Shivansh
18. Ishan (IT)
19. Tarun Sharma
20. Shreeya Bhat
21. Mehul Khatri
22. Shivendu
23. Nikhil
24. Aditya Sud

"One important key to success is self-confidence. An important key to self-confidence is preparation."

-Arthur Ashe

"Before you are a leader, success is all about growing yourself. When you become a leader, success is all about growing others. – Jack Welch

Additional Activities by Faculty Members
(Nov 2018-May 2019)

Prof. P. L. Sharma

Prof. P. L. Sharma is currently a senior Professor in Deptt. of Mathematics and Director UIIT, HPU Shimla. Under his able directorship, UIIT has scaled new heights in terms of academic, overall functioning and growth of institute. Besides this he had following additional activities during last six months:

- Key note Address in National Seminar on Advances in Pure & Applied Mathematics organised by PG Deptt. of Mathematics, G.C. Sri Muktsar Sahib, Punjab(27th Nov, 2018.
- Chief Guest - Annual Prize Distribution Function of Him Sarvodya Sr. Sec. School Ghumarwin, H.P (5th Jan, 2019).
- Chief Guest -National Mathematics Day celebrated by DST at GGSSS Ghumarwin, H.P. on 27th February, 2019.
- As Chief Guest - Valedictory function of Ram Katha (Sri Bhagwat) organised at SVM Bilaspur, (30th March, 2019).
- As Chief Guest -Hindu Nav Varsh 2076 celebrated at Bilaspur, Himachal Pradesh on 6th April, 2019.
- Guest—First Wrestling Function organised at Village Mehran, Ghumarwin, Bilaspur, on 24th April, 2019.
- Acted as NTA Observer to conduct NEET (UG) - 2019, held on 5th May 2019.
- Organised one day National Seminar on Future India: Science and Technology, sponsored by ISCA at HPU on 22nd May 2019
- Acted as Convener FDP on " Student Induction Program based on Universal Human Values", w. e. f. 24-26 May, 2019, at UIIT, HPU, Shimla

Dr. Dhirendra Sharma

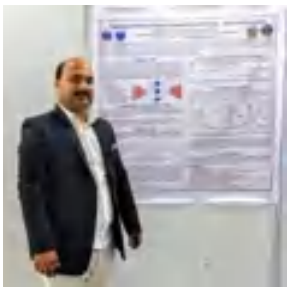
- Delivered a talk on "Digital India: A Stimulus in Higher Education" to the students of MCA, PGDCA, and BCA students at the Govt. College, Dharamshala on 19th Jan 2019.
- Attended one week National Workshop on "Big Data Management & Comprehensive Analysis" organized by the CDAC, Mohali, sponsored by the Department of Science and Technology (GOI), New Delhi from 11th Feb to 15th Feb 2019.
- Attended Board of Studies meetings for B.Tech program at UIIT during April 2019
- Attended Board of Studies meeting for M.Tech and MCA at HPTU, Hamirpur in June 2019.

विद्यार्थियों को दी डिजिटल इंडिया पर जानकारी

It is wrong to think that the task of physics is to find out how Nature is. Physics concerns what we say about Nature . Niels Bohr

Dr. Shyam Chand

- Editor, UIIT Newsletter, BITWITs. Played instrumental role in publishing first issue of BITWITs.
- Coordinated and prepared date sheet for the External Practical Examinations of UIIT, designed FR codes for evaluation of internal assessment examination answer books of B. Tech. (IT/CSE) held during Nov-Dec, 2018.
- Attended DAE-Solid State Physics Symposium, (GJ Univ. of Science and Technology, Hisar, Dec 18-22, 2018.

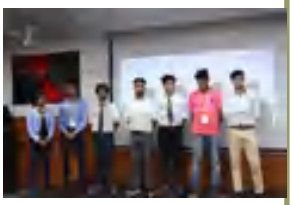


- Presented 2 research papers in DAE SSP symposium, both of which have been accepted for publication in American Institute of Physics Conference Proceedings.
- Attended National workshop on "*In Silico Approach for Modelling New Materials: Methodology & Applications*", held at C.U. H. P., Kangra, during Jan 14-20, 2019.
- Coordinator of Pre and Post Entrance test for admission to UIIT, designed new prospectus and online application form to include new courses for admission in UIIT.
- Member, Board of Studies of UIIT for B.Tech (Civil/ Electrical/ECE/CSE). Played an instrumental role in designing the Syllabi of new courses to be started in UIIT.
- Acted as NTA representative for conduct of NEET (UG)-2019 at K. V. Jakhoo Hills Shimla, on 05 May, 2019.
- Member organising team and participant in AICTE sponsored Three Days FDP (UIIT, HPU, 24-26 May 2019).
- Till date he has published 20 research papers in National and International journals, which has earned *30 Google Citation* and *19 Research gate Citations* so far.

Dr. Praveen K. Sharma

- Chaired **One** session in the "International Conference on Algebra and Continuum Mechanics" organized by Department of Mathematics, HPU Shimla-171005, in November 2018.
- Presented **Two** research papers in the "International Conference on Algebra and Continuum Mechanics" organized by Department of Mathematics, HPU Shimla-5 (November 2018).
- Participated in **One week** FDP on " Teaching Sciences and Mathematics", w.e.f. 21-25 Jan.2019 at Faculty Developement Centre SMVDU Katra, J&K-182320.
- Acted as Warden, Dr. Y. S. Parmar Boys Hostel, H. P. University Shimla-5, w.e.f. 26-02-2018 to 20.11.2018.
- Guided 1 M. Phil. student, Dissertation submitted to Department of Mathematics, HPU Shimla-05 (Nov.2018).
- Acted as Co-ordinator to conduct the Periodical Examinations, Internal and External Practical Examinations of B. Tech. (CSE & IT) all Semesters (Nov - Dec 2018).
- Prepared the Time Table of B. Tech. (CSE /IT) of $2^{nd}/4^{th}/6^{th}/8^{th}$ Semesters in February 2019.
- Acted as NTA representative to conduct NEET (UG) - 2019, held on 5^{th} May 2019.
- Participated in FDP on " Student Induction Program based on Universal Human Values", w. e. f. 24-26 May,2019, at UIIT, H. P. University, Shimla
- Acted as Co-ordinator to conduct the Periodical Examinations, Internal and External Practical Examinations of B. Tech. (CSE & IT) of $2^{nd}/4^{th}/6^{th}/8^{th}$ Semesters in May - June 2019.

"The essence of mathematics is not to make simple things complicated, but to make complicated things simple."
–S. Gudder



Achievements by Students

- UPES MIC (Mobile Innovation Challenge 2019): UIIT 1st year CSE student's Kanav Guleria, Ankit Sandhu, Shubham Sharma, Nishant Chauhan, Nirbhay Singh Rana got selected among top 20 teams out of 150 teams from all over India and won a Cash Price of worth Rs. 5000.

- Anurag Rathore passed CFA Level-1 Exam (Dec 2018). CFA stands for Chartered Financial Analyst and the exam is conducted by CFA Institute, United States. CFA is widely regarded as Wall Street' most gruelling exam. It is the opening to be an Investment Banker. Worldwide, CFA is widely accepted and respected designation for finance professionals in investment profession.

Anurag wrote: I had an interest in technology and blockchain. With blockchain I started investing money in bitcoins and other cryptocurrency. This catalysed my interest in the field of investment and portfolio management. I learnt technical analysis, the field of science which deals with reading charts of tradable assets. I wanted to pursue my career in finance hence I sat for CFA exam. I do not come from a finance background. Getting a CFA Certification would be of great help. The exam fee was around 1 Lakh rupees and I paid the whole fee and cleared the exam. Passing the CFA Exam has opened a whole lot of opportunities in my career and education. CFA exam and my background in Computers enables me to be eligible for financial job openings. One can work as a junior analyst, trader or even financial data analyst. Computers play a big role in the field of finance, if you have a good grip in languages like R, Python, Excel and SQL you can make a decent career in Financial Data Analysis or Financial Engineering. On the other hand passing the exam has given me waiver of passing GRE/GMAT exam from 14 foreign universities to pursue a masters degree in finance in Countries like USA, UK, Germany and Canada. Some of the notable names are London Business School, Texas A&M and the Frankfurt School of Finance. I am appearing for GRE exam so I can apply for a Masters Degree in USA and all this is possible due to the exam itself. I would like to thank my family, Staff at UIIT, specially Prof. P. L. Sharma and Dr. Rajesh Chauhan, who made it possible for me to appear in the exam and ensured no clashes with my UIIT exam curriculum. I had massive emotional support and cooperation from UIIT and I owe everything I have to this college.

Thank You

List of Final Year students who qualified GATE-2019

1.	Rahul Katoch	(CSE)
2.	Sudarshan Kumar	(CSE)
3.	Somesh Negi	(CSE)
4.	Saurabh Katoch	(IT)
5.	Tarun Sharma	(CSE)
6.	Nikhil	(CSE)
7.	Balbir Singh	(CSE)
8.	Bhaguru Jassal	(IT)

More Than 80 % Placement achieved so far for the current session

Anurag Rathore

Qualified CFA Level-1 Exam

Conducted by CFA Institute, United States.

Facilities provided to the students/ New work done in UIIT

- Free printing, scanning and photocopying to all the students of UIIT
- Complaints of the students received in the suggestion box installed in UIIT premises are addressed.
- Own UIIT logo designed by UIIT
- Quarterly News letter of UIIT – BITWITs, started with first issue released in UTKARSH-2018.
- Dress code made compulsory and implemented strictly for three days (Mon, Wed & Fri) in a week and during all examinations. Students obeyed the code sincerely.
- For all round development of the students, UIIT started five clubs, namely– Literary Club, Techno Club, Sports Club, Film making and Drama Club and Dance and Music Club.
- Lecture series on the latest and related topics are held on regular basis preferably on Saturdays.
- Google form is being used for the online attendance of the students.
- All the faculty members submit the progress of eh daily delivered lectures and contents of the labs taken.
- Periodicals/House tests examinations were conducted strictly for the duration of three hours with only one paper a day basis. Evaluation is don after assigning Fictitious Roll no (FR) codes.
- All internal practical examinations are conducted by a team consisting of Director Prof. P. L. Sharma, concerned subject teacher and two other faculty members, so as to develop more confidence in the students.
- Mini Projects and Major Projects were assigned to the students for winter vacations and the same were examined in the month of February and March 2019.

- Cafeteria was started in UIIT.
- Five days Camp w. e. f. 8 -12 April, 2019 was organized for the students of UIIT to increase concentration and improve mental health. It was sponsored by a team from Sri-Sri Ravishankar Ashram, Bangalore.
- Active participation of students in demonstration of laboratory work ensured.

MEDIA COVERAGE

एचपीयू यूआईआईटी का एप लॉन्च

विवि के यूआईआईटी में बीटेक के तीन नए कोर्स किए जाएंगे शुरू

वित्त कमेटी की बैठक में प्रस्ताव को दी मंजूरी

यूआईआईटी के वार्षिक उत्सव में नाटी पर धमाल

एचपीयू में इसी सत्र से इंजीनियरिंग के 3 कोर्स

सिविल इंजीनियरिंग और बीटेक इलेक्ट्रिकल भी कराएगा एचपीयू

यूआईआईटी में इलेक्ट्रॉनिक्स एंड कम्यूनिकेशन कोर्स होगा शुरू

यूआईआईटी में महिलाओं को नमन

तकनीकी विद्यालयों में 3 सप्ताह का इंडक्शन प्रोग्राम शैक्षणिक सत्र से होगा अनिवार्य

देश के लिए तैयार करें छात्र को : डॉ. भगत

शिमला। हिमाचल विश्वविद्यालय के सूचना एवं प्रौद्योगिकी संस्थान के सौजन्य से शुक्रवार को शिक्षकों के लिए तीन दिवसीय संकाय विकास शिविर का आयोजन किया।

शिविर में देशभर के तकनीकी संस्थानों से 60 शिक्षक भाग ले रहे हैं। शिविर के पहले दिन उपनिदेशक डॉ. नीतू भगत ने बतौर मुख्य अतिथि शिरकत की। नीतू भगत ने सभी शिक्षकों को देश के विकास का सबसे महत्वपूर्ण अंग बताया। अनुरोध किया कि वह विद्यार्थियों को सभी तरह [illegible] देकर उन्हें देश के [illegible] तैयार करें।

कार्यक्रम [illegible] प्रोफेसर [illegible] सिंह [illegible]

सात राज्यों से 60 शिक्षकों ने रखे विचार

पाईथन और एंड्रॉयड पर कार्यशाला आयोजित

शिमला, 6 अप्रैल (जून): हिमाचल प्रदेश विश्वविद्यालय के यू.आई.आई.टी. में शनिवार को कम्प्यूटर की एडवांस्ड भाषा पाईथन और एंड्रॉयड पर एकदिवसीय कार्यशाला आयोजित की गई। यू.आई.आई.टी. के निदेशक प्रो. पी.एल. शर्मा ने कहा कि इस तरह की कार्यशालाओं के आयोजन से विद्यार्थियों की प्रतिभा का विकास और विभिन्न प्रकार के प्रोजेक्ट्स को कम समय और सीमित अनुदेश के साथ करने की योग्यता [illegible]। उन्होंने कहा कि अलग-अलग सॉफ्टवेयर तैयार करने के लिए पाईथन कम्प्यूटर भाषा लाभप्रद सिद्ध होगी और जावा एंड्रॉयड से विविध तरह के एंड्रॉयड एप तैयार करके आम यूजर्स को लाभान्वित कर सकते हैं।

यूआईआईटी को तीस, पत्रकारिता को मिलेंगे तीन शिक्षक, आउटसोर्स कंपनी करेगी कैंपस में कंस्ट्रक्शन

Faculty development programme ends

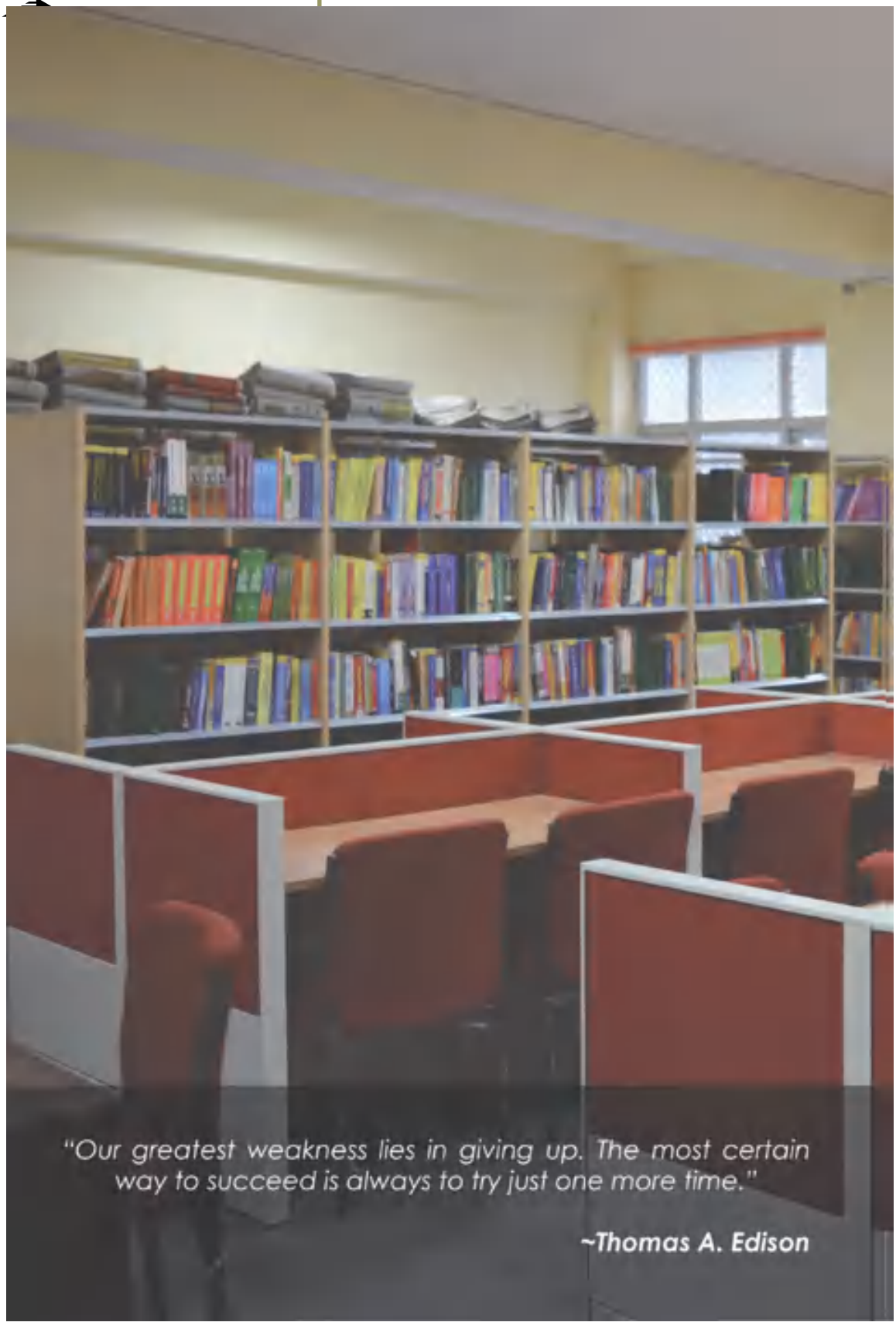
यूआईआईटी ने शुरू किए तीन नए कोर्स

विश्वविद्यालय में इसी सत्र से स्थापित होगा सैंट्रल प्लेसमैंट सैल

यू.आई.आई.टी. में 3 नए कोर्स शुरू करने को ए.आई.सी.टी.ई. से मिली मंजूरी

INTERNAL EXAMINATIONS

POCO
SHOT ON POCO F1


"Our greatest weakness lies in giving up. The most certain way to succeed is always to try just one more time."
~Thomas A. Edison