



CAMPUS MIRROR

Annual Newsletter of I.K. Gujral Punjab Technical University
(March 2018 - April 2019)

I.K. GUJRAL
PUNJAB TECHNICAL UNIVERSITY

ਆਈ. ਕੇ. ਗੁਜਰਾਲ
ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

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DETERMINATION, DEVELOPMENT & ACHIEVEMENT

I.K. Gujral Punjab Technical University is on the next move of development. It would be possible by determination of its all stakeholders & by the vision of its mentors. Here are the some points of latest achievements. We are also sharing our future vision in this newsletter.

Approval for Main Campus from AICTE

IKGPTU got Letter of Approval (LOA) from All India Council for Technical Education (AICTE) for its main campus engineering course. AICTE also sanctioned 60 seats for each stream i.e Computer Science & Engineering (CSE), Mechanical engineering (ME), Civil engineering (CE), Electrical Engineering (EE), Electronic & Communication engineering (ECE). By getting this recognition, University's main campus courses will support its campus students to get large number of job opportunities in the market.

Facilitation to Punjabi Youth under Foreign Degree Programme

The University is offering Credit Transfer Program for the students who are pursuing Dual Degree courses and getting admissions in same Bachelor Degree Program at IKGPTU and University of the Fraser Valley (UFV). University also signed agreement with Thompson River University Canada for dual degree programme. We initiated it to give maximum facilitation to our Punjabi Youth on genuine fee.

Honour to Employees

Employees are the backbone of every institution and their satisfaction is Institution's first responsibility. To fulfill the motto of the this line, the University recently honored 44 numbers of faculty members by providing each of them a confirmation letter of their job confirmation.

Employees at the level of Office Assistants are also honored with due promotional scales. University recently promoted its 9 numbers of office assistants to higher scale.

Step towards employability enhancement

By taking one more step ahead to fulfil its commitment with students, University joined hands with three Nationally-Internationally recognized organizations. This step ahead is for the internship of the students and their employability enhancement. University signed three different Memorandum of Understanding (MoUs) with different organizations/bodies i. e. National Institute of Electronics & Information Technology (NIELIT), International Association of Students in Economic and Commercial Sciences (AIESEC) and Internshala on May 30.

Sports and Cultural

To maintain the enthusiasm of sports and cultural activities in University, a separate sports and cultural activity cum monitoring wing is established under the student's welfare department.

Advisory committees for academic excellence

By taking Step forward towards Academic Excellence, University called Chairmen, Directors, and Principals Meet of all affiliated Institutions and established few of advisory committees who are taking care towards academic excellence in affiliated institutions. These committees are for Academic Affairs, Research & Development (R&D), Infrastructure Development and Examination Reforms.

Establishment of Best Infrastructure

To provide maximum facilitation to our campus students, University is near to establish multi-crore labs, practical work stations at its main campus. We are close to final it with EdCIL India.

MESSAGES FROM MENTORS



Sh. V.P. Singh Badnore

Governor of Punjab
Chancellor- IKGPTU



It is indeed a pleasure to note that I.K. Gujral Punjab Technical University is publishing a newsletter "CAMPUS MIRROR". As this educational institution steps towards Excellence in Technical Education, it is important to share the initiatives of the University through the newsletter "CAMPUS MIRROR". I congratulate the University for moving persistently towards achieving its mission. IKGPTU is playing a vital role in the development of Punjab through its outstanding role in the field of technical education and skill development. The sincere efforts put in by the dedicated team of IKGPTU towards fulfilling its objectives deserve appreciation. I hope the students, faculty and staff of I.K. Gujral Punjab Technical University will be able to meet the challenges of human resource development of our country and will achieve milestones in the field of technical education. Wishing for a successful year ahead.

V.P. Singh

V.P. Singh Badnore

It gives me immense pleasure to note that I.K. Gujral Punjab Technical University is bringing out its newsletter "CAMPUS MIRROR" for the activities of academic session 2018-19. I am apprised that I.K. Gujral Punjab Technical University through its main and constituent campuses caters to the needs of the students who once need not to move away from their home town for quality technical education; which is highly appreciable.

It is incumbent on the part of IKGPTU to provide the best technical education to its students so as to enable them not only in securing gainful employment in our country but also to compete globally. The University has been playing a pivotal role in providing technical manpower not only in state but at the national level also.

For sustainable development of the industrial sector in the state, this University must play a vital role in providing skilled technical human resources for critical and high demand jobs. Thus, lead to a win-win for both aspirants and the industry.

I send my best wishes to team University & feeling proud by sharing their activities through "CAMPUS MIRROR"



Amarinder Singh

Capt. Amarinder Singh
Chief Minister, Punjab



S. Charanjit Singh Channi

Minister for Technical Education
and Industrial Training, Punjab



At the outset, I would like to congratulate all the students, faculty and staff of I. K. Gujral Punjab Technical University for a successful current academic year and stepping into the next one. At this stage, in the mid of session, It is important to share important activities of the University through newsletter "CAMPUS MIRROR" I am happy to be a part of it.

Our focus should continue to ensure be "accessible good quality higher technical education for every student". This is where IKGPTU is playing a key role; it has become a professional doorway where learning is not just a series of instructions but a passion, which goes beyond books and learning horizons.

The University has taken a great leap forward in past few months in the direction of refining the necessary skills of students, their attitudes and aptitude towards corporate placement through development of industry-oriented curricula, collaborations with national and international institutes/universities for training and placements. I appreciate the dedication and hard work of team IKGPTU.

My best wishes to team IKGPTU on the release of this newsletter!

Charanjit Singh Channi

(Charanjit Singh Channi)

I congratulate the students for choosing I.K. Gujral Punjab Technical University as an associate in making their academic and professional dreams come true. The University has been established with a vision to create and build a distinctive system of education that focuses on promotion and growth of higher technical education.

IKGPTU firmly believes that a dynamic and healthy academic environment is the prerequisite of an excellent educational model. Hence, an attempt is made to create self sufficient and independent learning systems wherein students emerge as all rounded personalities, ready to face the global challenges with professionalism and integrity. Further, through state-of-the-art academic and research infrastructure, application oriented pedagogy, highly qualified and dedicated faculty, industry oriented curricula, industrial tie ups for training and employability, we at our University endeavour to look beyond the traditional patterns of learning and strive to achieve a level benchmarked with the best. I am happy to read this campus newsletter, which is full of achievements. It is proving the efforts, as well as dedication of University students, staff and stakeholders, who successfully executed many activities in University.

My best wishes to the Team "CAMPUS MIRROR".



S.K. Salwan

(S.K. Salwan)

Dr. S.K. Salwan

FAPS, FIE FIITE, FIAT, FAESI
Chairman, BOG IKGPTU



Prof. (Dr.) Ajay Kumar Sharma

Vice Chancellor IKGPTU



I am immensely pleased on the release of University's Newsletter "CAMPUS MIRROR"

I firmly believe that this newsletter will support University, its other Campuses, affiliated Colleges and Regional Centres in further promotion of the Brand IKGPTU and its initiatives in term of strong academics. University always strived to reach out beyond boundaries to create a model that is open, persuasive and inspiring thus painting a picture of future of the world.

This newsletter is focussing on the initiatives of the University taken during last six months. University is doing so much in the field of technical education as well as fulfilling its social responsibility. This newsletter describes our success story and future plans. Campus Quest will definitely help in future by spreading the unique advantages of Brand IKGPTU education like the latest industry oriented syllabi, effective faculty interaction through convenient batches, evaluation through subjective semester examination across the state or in simple words "A complete education!"

I congratulate University's Public Relations Office, all the University Departments who contributed to complete it and wish to see this Newsletter as another feather in the cap.

Ajay Kumar Sharma

(Ajay Kumar Sharma)

ESTABLISHMENT & STRENGTHENING OF STATE TECHNICAL EDUCATION IS ON AGENDA

• Eminent Academician Prof. (Dr.) Ajay K. Sharma Joined IKGPTU as 13th Vice Chancellor on March 27th, 2018

To serve its roots with a vast experience of National-International Eminence, prominent Academician Prof. (Dr.) Ajay K. Sharma joined I.K. Gujral Punjab Technical University as 13th Vice Chancellor on March 27, 2018. Earlier, he was the Director of National Institute of Technology (NIT) Delhi and NIT Hamirpur, H.P (Additional Charge), as well the Mentor Director IIIT, Una H.P.

Born on 04 November, 1963, Prof. (Dr.) Ajay K. Sharma is Ph.D in Electronics Communication and Computer Engineering (Comma should be removed after Electronics). He did his M.S in Electronics and Control Engineering from Birla Institute of Technology (BITS), Pilani, in the year 1994. He did his bachelor's degree in B.E. Electronics and Electrical Communication Engineering from Panjab University Chandigarh in the year 1986. He has more than 30 years of professional experience out of which he served more than 15 years as the Professor. In the area of Research, Prof. (Dr.) Ajay K. Sharma has Significant Contributions. During his career he has worked mainly in the area of Optical and

wireless communication systems and networks which mainly deals with transmission impairments for optical systems and wave length Division Multiplexed (WDM) networks & wireless sensor network. In the field of Research publications, he contributed in 317 International & National journals and supervised 25 PhD candidates and 46 M.Tech students.

Prof. (Dr.) Sharma served on various higher level academic positions like Dean (Academics) positions like Dean (Academics), Dean (Administration), Dean (Planning and Development), Head Computer Centre, Nodal Officer (Academics): World Bank Project for Technical Education Quality Improvement Project (TEQIP) in various National level Technical Education Institutions. His work was also recognized at international level as he worked for Appointed as member of technical Committee on Telecom under International Association of Science and Technology Development (IASTD) Canada for the term 2004-2007, Technical reviewer for The Journal of

SPIE- the International Society for Optical Engineering, USA. He is life member of many National-International educational organizations, institutions & apex bodies. He was also appointed as Research Board of advisers by the American Biographical Institute, USA in the Year 1999. He has completed three R & D Projects & two are in process.

Newly joined Vice Chancellor Prof. (Dr.) Sharma said that he is keen interested to improve academics as well as entrepreneurship & Higher study opportunities for Punjabi Youth. He said that it is matter of pride that he is selected to serve for his own state's Technical Education. He said his main focus is to establish & strengthen a cooperative atmosphere in all stakeholders of IKGPTU, so that all may work in a team to establish Punjab's technical educations as Global brand. He said "in Punjab, we have all resources to admit national-international students in our state institutions, need is to channelize all corners. Vice Chancellor Prof. (Dr.) Sharma said that smart digital campus development is also on priority.



SUCCESSIVE VICE CHANCELLOR

1. **Sh. Anup Singh**
(Jan. 1997 to Jan. 1999)
2. **Sh. N. S. Rattan**
(Feb. 1999 to July 2000)
3. **Dr. H. S. Gurm**
(July 2000 to July 2002)
4. **Mrs. Romila Dube, IAS**
(July 2002 to Oct. 2002)
5. **Prof. Y. S. Rajan**
(Oct. 2002 to Feb. 2004)
6. **Dr. S. K. Salwan**
(Feb. 2004 to May 2008)
7. **Mrs. Tejinder Kaur, IAS**
(May 2008 to Dec. 2008)
8. **Dr. Rajneesh Arora**
(Dec. 2008 to Jan. 2015)
9. **Sh. Rakesh Kumar Verma, IAS**
(Jan. 2015 to April 2017)
10. **Sh. Kahan Singh Pannu, IAS**
(April 2017 to June 2017)
11. **Sh. G. Vajralingam, IAS**
(July 2017 to Nov. 2017)
12. **Sh. M.P. Singh, IAS**
(Nov. 2017 to March 2018)
13. **Prof. (Dr.) Ajay K. Sharma**
(27, March 2018 to Continue...)

TATA TECHNOLOGIES SIGNED MOU WITH I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

- CIIT Dedicated To Sri Guru Nanak Dev Ji would be set up at Sultanpur Lodhi
- MoU to Setup 5 Centers for Innovation, Invention & Incubation (CIITs) at Cost of Rs. 739 Crore

The Technical Education & Industrial Training and Employment Generation Minister, Punjab, Mr. Charanjit Singh Channi disclosed that Tata Technologies in collaboration with IKGPTU to setup 5 Centers for Innovation, Invention & Incubation (CIITs) in the state to promote technical education and Skill development at a cost of Rs. 739 Crore. One CIITs dedicated to Sri Guru Nanak Dev ji would be set up at Sultanpur Lodhi & IKGPTU Main Campus, Kapurthala and those dedicated to Sri Guru Gobind Singh Ji would be set up at Chamkaur Sahib and IKGPTU Campus Ladowali, Jalandhar. An MOU for setting up these centres was signed between Tata Technologies, and I.K. Gujral Punjab Technical University (IKGPTU). The MoU was signed by Anand Bhade, President, APAC Sales, Global Marketing & Communications, Tata Technologies and Prof. (Dr.) Ajay K. Sharma, Vice Chancellor, IKGPTU in the presence of Mr. Charanjit Singh Channi, Mr. D.K. Tewari, IAS, Secretary Technical Education

and Mr. Parveen Thind, Director Technical Education. Speaking on the occasion, Mr. Charanjit Singh Channi said that Tata Technologies and IK Gujral Punjab Technical University have joined hands to uplift and promote Technical Education in the state. He said that these CIITs would work to facilitate and develop the skill sets required to bridge the skill gap and enhance employability prospects of students in the manufacturing sector. Mr. D.K. Tewari, IAS, Secretary Technical Education speaking on the occasion said that this collaboration is oriented towards bringing about qualitative improvements in technical education with the aim of establishing Punjab as a preferred manufacturing investment destination. "As a leading engineering services provider, Tata Technologies is perfectly aligned with our goal of propelling Punjab to a prosperous knowledge

society. The setting-up of the CIITs will enable improved employability, entrepreneurship and availability of skilled resources in the state," said Prof. (Dr.) Ajay K. Sharma, Vice Chancellor, IKGPTU. Talking about this association, Mr. Anand Bhade, President, APAC Sales, Global Marketing & Communications – Tata Technologies said, that these centres would impart practical knowledge to 1 lakh students in Punjab to make them employable. He said that partners such as PTC, MSC Software are supporting them in this industry-academia initiative. These centres will have further centers namely 'Product Design and Development', 'Domain Exploration', 'Mechatronics and IoT' and lastly 'Advanced Integrated Manufacturing Center'. At sultanpur lodhi, every year 1800 to 2000 students will be trained.



Team Tata Technologies visited IKGPTU on November 23rd, 2018



"ALL ROUNDER CANDIDATES ARE EVERGREEN DEMAND OF EVERY INDUSTRY"

- Vice Chancellor inaugurate Youth leadership Training camp at McLeod Ganj (H.P) and spend a day with volunteers
- 100 Selected NSS volunteers joined this activity

It is important for an industry to recruit maximum specialised field experts for their survival but it is very much important to recruit all rounder candidates for the establishment & growth of an industry. All rounder candidates are on evergreen demand of every industry. By following this high demand I K Gujral Punjab Technical University is focusing on the overall development of its students so that they can easily perform as all rounder. These experienced words are of Prof. (Dr.) Ajay K. Sharma, Vice Chancellor IKGPTU, who was addressing students at McLeod Ganj (Himachal Pradesh) during the inauguration session of 8 days Youth leadership Training camp. He spent

a day with these camp volunteers/students so that they can perform with more and more enthusiasm. Prof. (Dr.) Sharma said that university is committed to give an exposure to the students in academic excellence as well as in co-curriculum activities. It is worthwhile to mention that 100 students from IKGPTU main campus, its constituent campuses and affiliated colleges are participating in this leadership camp. These are the selected NSS volunteers. Dr. R.P.S Bedi, Joint Registrar (Youth Welfare) was also present on the occasion. In his welcome note he said that university is



TRAINING OF TRAINERS: IKGPTU ORGANIZED TRAINING CAMP FOR NSS PROGRAMMERS

- Work for patriotism, healthy atmosphere & to spread awareness is the main duty of NSS Programmers & Volunteers, be with it: VC Prof. (Dr.) Ajay K. Sharma
- Total 34 Programmers from 25 affiliated colleges participated

Work for patriotism, healthy atmosphere & to spread awareness about the National Service Scheme (NSS) is the main duty of every NSS Programmer & Volunteer. To recall their duty, it is the responsibility of University to organize awareness programmes on regular basis. This is the message of Vice Chancellor I.K. Gujral Punjab Technical University (IKGPTU) Prof. (Dr.) Ajay K. Sharma. His message was read by University authorities during the valedictory session of NSS Awareness camp Dalhousie (Himachal Pradesh). University organized this training camp for its NSS programme officers of various affiliated colleges. The camp was organized from 19 to 22 October at Youth Hostel Dalhousie (HP). Briefing about the Motive of this camp, Joint Registrar Students Welfare Dr RPS Bedi said that to shape up the NSS unit officers and stimulate NSS program in affiliated colleges,

this initiative was taken. He shared the facts that total 34 programme officers (teachers) from 25 colleges have participated in this camp. Retd. Brig. G.J Singh (PVSM) was the Chief Guest cum main instructor delivered a power packed motivational lecture on youth empowerment. Assistant Registrar (Students Welfare), Paramjit Gill highlighted that all the participants have followed a strict schedule from 5 am to 10 pm which comprises of running, exercise, yoga, group discussions, lectures, trekking and cultural performances etc. Participants are greatly motivated towards NSS programme and they have shown their commitment towards NSS motto "Not Me But You". In their feedback all the participants have appreciated this effort of IKGPTU for giving opportunity to attend this camp. In valedictory session all the participants were awarded with certificate of participation.

going to organise four youth leadership camps in this month. He added that camp of sports students has already been conducted in last week. He presented brief report on all activities to the Vice Chancellor. Vinay Kehar, Coordinator Sports of IKGPTU main campus and Dr. Sarabjit Singh, Assistant Professor (Punjabi) were also present on the occasion. The stage was conducted by Sanjeev Sharma, Youth welfare Officer IKGPTU.

BUS FLAGGED OFF FOR YOUTH LEADERSHIP TRAINING CAMP

- 80 Students from 10 affiliated colleges moved to McLeodGanj

80 Students of I K Gujral Punjab Technical University moved to McLeodGanj (Himachal Pradesh) to join Youth Leadership Training Camp. This camp is an activity organized by university every year for its students and sports persons with a motive to develop their overall personality. University's Vice Chancellor Prof. (Dr.) Ajay K. Sharma, along with registrar Dr. Sukhbir Singh Ahluwalia joined flagged off ceremony held at Main Campus. Vice Chancellor congratulated the students who consented for this camp. There were 45 boys and 35 girls from 10 affiliated colleges who were participating in camp. University's student's welfare department was the organiser of this activity under the guidance of Director cum Joint Registrar Dr RPS Bedi. The overall incharge of this camp was Mr. Vinay Kehar who was also accompanying the students. Total 09 officers, including 06 sports officers joined Youth Leadership Training Camp at McLeodGanj.

ADVANCEMENT OF EDUCATION & TECHNOLOGY, CLEAR VISION TO STAFF AND DEVELOPMENT OF CAMPUSES ON TOP PRIORITY

- Newly constituted IKGPTU Board set agenda in its 68th Meeting, Technocrat Dr. S. K. Salwan Chaired first meeting
- Deliberations are made over Tata Technologies Project CIIT, Infrastructure Development at main campus & upliftment of University's routine working through Technology



After achieving the set goal to recruit 100 percent PhD faculty & state of the art modern infrastructure at I.K. Gujral Punjab Technical University's main campus successfully, Now University's focus is on Advancement of Education, upliftment of routine working through, Vision clarity to staff and development of its constitute campuses. It was decided by University's newly constituted Board of Governors (BOG) in its 68th Meeting. This meeting was chaired by Technocrat Dr. S. K. Salwan as Chairman Board of Governors. Meeting was held at IKGPTU main campus and in the first phase an introductory session with board was held. After that Prof. (Dr.) Ajay K. Sharma, Vice Chancellor welcomed all Board Members and put the current status and facts related to University's Liability and Assets, Pending Plans & Actions, Details of Statutory Bodies, University's Achievements, Facilitations to students, Distance Education Programmes, Construction details about sanctioned & planned projects, details of Affiliated Colleges, University Campus Courses, Faculty, students strength etc. In term of Advancement of Education, University is going to re start the Regional Centres (RC) for working students to upgrade their education level. On initial stage the proposed part time courses are M.Tech & M.Pharm. The programme will start as RC in IKGPTU Main campus and constituent Campuses as well as leading affiliated

institutions. University decided that the affiliated colleges who are with good infrastructure only may be considered as RC. The Officer Incharge of these programmes must be working at the institutions in the capacity of Professor/Associate Professor in the relevant discipline of Engineering & Technology/Pharmacy. It was also decided that admission will be done in the branch of engineering/Pharmacy (M.Tech/M.Pharm) with a minimum No. of 06 students; otherwise course shall not be permitted in that academic session. Prof. Sharma said this decision will provide the working faculty to enhance their qualification which will improve the quality of Technical Education in Punjab. Another agenda was related to promote technical education and Skill development in the state of Punjab and the project under deliberations was Tata Technologies Centre for Innovation, Invention & Incubation (CIITs). In this regard recently University signed an initial MoU that in collaboration with IKGPTU, Tata Technologies will setup 5 Centers for Innovation, Invention & Incubation (CIITs) in the state. As per MoU, CIITs dedicated to Sri Guru Nanak Dev ji would be set up at Sultanpur Lodhi & IKGPTU Main Campus, Kapurthala and those dedicated to Sri Guru Gobind Singh Ji would be set up at Chamkaur Sahib and IKGPTU Campus Ladowali, Jalandhar.

University's Vice Chancellor Prof. (Dr.) Ajay K. Sharma shared the points of Advancement of Technology in term of University's Way forward to future plans. He apprised board about the campus E-Governance modules like File Management System, Knowledge Management System, Tour Management System, Personnel Information System, Collaborative and Messaging Services, Leave Management System to facilitate staff and students. He also shared information about Campus Enterprise Resource Management Systems, E-Examination System, Interactive Campus Portal Platform, E-Campus Connectivity through fiber. During meeting the members discussed about the vision of University and deliberations were made on E-education system. Common vision was to provide high-tech education by using technology like smart phones, apps and Internet services. It can also be used to provide education in far-flung areas where it may not be possible for teachers to be present personally. The education can be imparted through virtual means as part of the program. On behalf of University team, Vice Chancellor assured board to work on vision as mission. He shared a prepared Next Generation Network (NGN) plan as vision. This initiative to replace 30 year old exchanges, with this new IP-based technology to manage all types of services like voice, data, multimedia/ video and other types of communication services including all WiFi Campuses. Development of University main campus and other campuses was also on agenda in which under constructions plans were discussed like Staff Residences including residence of VC & Registrar, Indoor and outdoor sports stadium, Guest House, Main entrance gates, Workshops and new blocks at other constituent campuses. In the end Board gives satisfaction cum best wishes note to University's in command authorities to fulfil their targets as early as best possible.

IKGPTU JOIN HANDS WITH TRENT UNIVERSITY

In accordance with a mutual desire to promote international academic and cultural interchange in the areas of education, research, and other activities, Trent University and I.K. Gujral Punjab Technical University agree to cooperate and work toward the internationalization of higher

education. The both parties agree to cooperate through research and study. Trent University and I.K. Gujral Punjab Technical University will endeavor to cooperate in joint educational programs and research projects with extended partnership for

both parties. To the extent feasible, both universities will encourage direct contact and cooperation between their faculty members, departments, and research institutes under provisions of this agreement.

SUCCESS OF AWARENESS CAMPAIGN DEPENDS ON OUR RESPONSIBILITY: PROF. (DR.) AJAY K. SHARMA

- IKGPTU organised Two days program on World Environment Day
- Awareness program in village Dhapai on first day, tree plantation drive in University on second Day

Our responsibility is of prime importance when we celebrate any specific day. It is successful only when we feel responsible for the same. It is our duty to make others aware about the same and always do our duty to save the environment. This was said by Vice Chancellor I.K. Gujral Punjab Technical University Prof. (Dr.) Ajay K. Sharma. He was addressing concluding remarks related to two day awareness program at the University premises.

He said that this should not be the ending of a program but the beginning. He encouraged everyone to work collectively in this direction. The special guest of the occasion was Environmentalist Prof. Adarsh Pal Vig from Guru Nanak Dev University and Mr. Ashwini Joshi, who is retired from Defence Services and now working on Environment. After the concluding remarks, Vice Chancellor Prof Dr Sharma inaugurated plantation drive in University. The first day of the program started from University's nearby village Dhapai. Under the guidance of Registrar Dr. S.S. Ahluwalia and joint registrar Dr. R.P.S. Bedi, the villagers were told about the hazards of plastic usage. They were given an



oath that they will not use plastic in future. Joint Registrar Dr. Bedi also shared his bad experiences about the use of plastic. He motivated to villagers to avoid the use of plastic items, especially plastic carry bags. In the second phase, the students and faculty members cleaned the village premises. University Registrar, Dr. S.S. Ahluwalia presented his views on environment conservation. Senior Faculty member from

engineering department Prof. Dr. Vikas Chawla and Mr. Harbirinder Singh seek the cooperation of villagers. Vote of thanks was given by program coordinator Dr. Chander Prakash. The stage was conducted by Dr. Sarbjit Singh Maan. On this occasion, all the faculty members, Gurdwara President Amarjit Singh Dhapai, Sarpanch Bhajan Singh and University students were present.

IKGPTU MOHALI & KHUNIMAJRA CAMPUS GET ADMISSIONS FOR B.TECH. CSE

- Other courses like BBA, B. Arch., M.Arch & Certificate courses for foreign languages are also available in this campus
- Mohali & Khunimajra Campus will support to industry requirements of Tri-City

To fulfil the demand of IT industry and with a vision to promote & provide best Technical Education, I K Gujral Punjab Technical University has started B.Tech. Computer Science and Engineering course at University's Mohali & Khunimajra Campus from 2018-19 session. It is also an effort to strengthen University's other campuses. During a recent check of both Campuses, Vice Chancellor Prof. (Dr.) Ajay K. Sharma said that students in these campus shall be taught by Doctorate faculty and specialized industry experts. High-tech laboratories, ICT enabled AC class rooms, conference and seminar hall and knowledge rich library are other salient features of this campus. Vice Chancellor also briefed about other courses admissions at IKGPTU Mohali & Khunimajra campuses. He said that as per the demand of Tri City Industry University is also running certification courses for foreign languages (French, German, Spanish, Chinese, Korean, Italian, Japanese and English) in Mohali campus on weekend

class basis. And in Khunimajra Campus students are exploring their career in BBA, B.Arch & M.Arch (Built Environment-Architecture Education & Research) too. Prof (Dr.) Ajay K. Sharma said that IKGPTU is the first state technical university and is significantly contributing in promoting technical education globally. In pursuit of providing jobs to youth, university is working hard to establish Mohali & Khunimajra Campuses as favourite destination for IT companies and Industry. As per survey, maximum IT jobs are expected to emerge in Mohali by 2022. However, the biggest bottlenecks are scarcity of competent industry to provide ready technical manpower and lack of an ecosystem in which Academia, Industry can collaborate together to

produce technologies required for growth of Punjab, India and world at large. In order to fill these gaps, IKGPTU envisioned to provide state of art infrastructure with a team of inspired research oriented faculty and dedicated staff for bringing Academia, Industry on a common platform. The details of the course are available at . www.mohali.ptu.ac.in & www.khunimajra.in



GLOBAL BRANDS ARE READY TO INVEST 2000 Cr IN STATE TECHNICAL EDUCATION: S. CHARANJIT SINGH CHANNI

- **Technical Education Minister S. Charanjit Singh Channi Inaugurated State Level Mega Job fest at IKGPTU, 73 companies were participated in two days event**
- **2000 Vacancies were open for participants**

The era of opportunities in Punjab is about to take new start as the Multinational Global brands; Companies are ready to invest Rs. 2000 Cr. in state Technical Education. These investments will enhance the employability at par with developed countries. State Government is achieving new heights day by day in its initiative "Ghar-Ghar Rozgar" Scheme. These are the words of Minister Technical Education and Industrial Training Govt. of Punjab S. Charanjit Singh Channi.

Minister Channi was Chief Guest at State Level Mega Job Fest Event hosted by I.K. Gujral Punjab Technical University Jalandhar-Kapurthala. He inaugurated this Mega Job Fest, which was 3rd at state level & including one International Job Fest, It was the 4th big event of State Government with an aim to youth employment under the scheme "Ghar-Ghar Rozgar".

In his inaugural address Minister Channi shared that MOU was signed between IKGPTU and TATA Technologies Ltd. to establish "Centre for Invention, Innovation, Incubation and Training (CIIT) by Tata Technologies. It will establish at I.K. Gujral Punjab Technical University Main Campus and its constituent campuses at various locations in Punjab. Out of such, one CIIT will be established as Guru Nanak Dev Ji Centre for Invention, Innovation, Incubation and Training (GND CIIT) at Village Jabbowal, Sultanpur Lodhi.

Minister Channi said that the Total cost of Project is Rs. 739 Crore from which Rs. 318 Cr.

will be invested in Kapurthala District in the first phase. Minister said that state Government is organizing 87 mega job fests in next ten days at various location of Punjab.

On this occasion Prof. (Dr.) Ajay K. Sharma, Vice Chancellor, IKGPTU delivered his welcome address. He shared information that in this job fest a Total no. of 73 companies are participating in two days event and these companies are offering 1950 vacancies to participants. The Final year & Pass out students of Engineering, Management, and Computer Applications & Diploma along with 10th, 12th are eligible to participate in this event.

He shared that the brand Companies like Cognizant, Tech Mahindra, Just Dial Ltd., Hotel Radisson, Policy Bazar, Convergys, Max Life Insurance, Bajaj Allianz & IDBI etc are participating in two days activity. It is worth mentioning that with an aim to facilitate maximum youth in term of global employment, University has also signed MoUs with Infosys

Campus Connect, Internshala, AIESEC & NIELIT in near past. The aims of the MoUs for Training and Employment Enhancement for youth. VC Prof. (Dr.) Sharma shared information about the Technological initiatives taken by the University like Mobile App Library, Campuses Connectivity, and Transparency in evaluation system as On screen evaluation etc. In the end of programme University Dean R&D Dr Anirudh Pratap Singh delivered Vote of thanks.

MLA Sultanpur Lodhi Navtej Singh Cheema, IAS Gurkirat Kirpal Singh, Special Principal Secretary to Hon'ble Chief Minister Punjab and IAS Mohammed Taib Kapurthala Deputy Commissioner, also visited job fair and interacted with participants. University Dean Dr N.P.Singh, Director Dr. Balkar Singh. Registrar Dr. S.S.Walia, Incharge Vice Chancellor Secretariat Dr Paramjit Singh, Joint Registrar Dr RPS Bedi were also join event in host panel.



STEP AHEAD FOR INTERNSHIP & EMPLOYABILITY ENHANCEMENT

• Vice Chancellor inaugurates Entrepreneurship Week at main campus

By taking one more step ahead to fulfill its commitment with students, I.K. Gujral Punjab Technical University joined hands with three Nationally-Internationally recognized organizations. This step ahead is for the internship of the students and their employability enhancement. University signed three different Memorandum of Understanding (MoUs) with different organizations/bodies i.e National Institute of Electronics & Information Technology (NIELIT), International Association of Students in Economic and Commercial Sciences (AIESEC) and Internshala on May 30. This was done during the Meet of Training & Placement Officers (TPOs) of all IKGPTU affiliated

Colleges.

Prof. (Dr.) Ajay K. Sharma, Vice Chancellor IKGPTU, said that at global level, it is a fact that as compared to pass out numbers, the employability is less but now the time is to find solutions. He motivated all TPOs and said that we are working in a chain module and we have to hammer on damaging factors. He asked everyone to submit suggestions for the improvement and ensured all for its better execution. Prof. (Dr.) Sharma said that he believes to work on ground not only on papers and he expect from all to start maximum ground work.

Vice Chancellor announced to start a common placement portal, where every college's

placement officer can give a call for common placement drivers & submit their best placements, their queries and their other initiatives. He invited all TPOs to start working in teams to identify problems and solutions. Before the address of Vice Chancellor, a formal inauguration session was held in which University Dean R&D Dr. Anirudh Pratap Singh has introduced all the organizations/bodies who were present for MoU. He shared that AIESEC is the world's largest non-profit youth-run organization who provides young people cross-cultural global internships across the globe. The second body NIELIT is an autonomous scientific society under the administrative control of Ministry of Electronics and Information Technology of Government of India. NIELIT offers various Training Programmes in the field of IECT to equip students with necessary knowledge of the key industry practices and skills to be fruitfully employed besides exposure to live projects and hands-on practical training. The last body was Internshala, which is India's largest online internship platform. On this occasion, Leaders of all three bodies Kishalaya Manager Internshala, IFS Officer Rajiv Kumar DG NIELIT, Bipul Mayank Vice President AIESEC and from University side Deputy Director Corporate Relations Er. Navdeepak Sandhu were also on the dais. Assistant Professor Gazal Sharma conducted the stage.



IKGPTU ALUMNI SELECTED IN UPSC

• Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma congratulated the alumni

Sh. Bhushan Kumar (40), alumni of I.K.Gujral Punjab Technical University got selected under special provisions by UPSC. He passed B.Tech Mechanical engineering from I.K.Gujral Punjab Technical University's affiliated Institute GNE Ludhiana 1995-99 batch. Bhushan kumar is currently working as General Manager with GSPC LNG Limited. He is head of Shipping, Business Development and Contracts departments. He has vast experience in Shipping and Projects. He has played key role in several projects at different ports in India. His experience would be useful for Ministry of Shipping's in implementing their flagship Sagarmala Project having several projects of more than 4 lakh crore. He is youngest among 9 selected by UPSC.

Minimum age was 40 years for UPSC application & Bhushan was 40 years and 9 days on cutoff date. He has 20 years experience in shipping and projects. Currently he is working as General Manager in GSPC LNG (a Gujarat State Petroleum Corporation company). On his success, Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor IKGPTU congratulated him and said that brilliant students are lifetime assets for an institution and Bhushan Kumar is one of them. University feels proud on him.



IKGPTU AFFILIATED COLLEGES CHAIRMAN JOIN HANDS FOR QUALITY EDUCATION MISSION

- Vice Chancellor held a meeting of all Affiliated Groups Chairman
- 40 Prominent Personalities Felt Proud, Welcomed University's Initiative
- Joint Venture will boost up the morale of people who are associated with State Technical Education: Prof. (Dr.) Ajay K. Sharma

To establish a milestone in Quality Technical Education, I.K. Gujral Punjab Technical University has taken one more initiative by proposing a joint venture to all its Technical Institutions to provide quality education. Vice Chancellor Prof. (Dr.) Ajay K. Sharma presided over a meeting of all Technical Institutions Chairman at IKGPTU Main Campus on April 30. The agenda of the meeting was increasing meritorious admissions in affiliated colleges, Improvement in Joint Campus placement, fulfillment of requirements & support to provide qualified faculty and to motivate all institutions for the accreditation. This was the first time when more than 40 Prominent Personalities of Education Sector were present at one platform. During his address to all invited Chairman, Vice Chancellor Prof. (Dr.) Sharma said that there is a huge and ultra modern infrastructure available to provide best technical education to worldwide students in our state. State's Technical Institutions are more capable to serve maximum quality students in Engineering & Management, but the principle of joint efforts needs a push. Vice Chancellor Said that after evaluating the capacity of University's affiliated institutions/own campuses, it is observed that this is the right time to give a buzz to all authorities to take maximum initiatives to admit meritorious students. During his address to all, Chairman, Vice Chancellor assured that University is fully in support to them by taking



maximum initiatives to establish a milestone in Technical Education. Elaborating the agendas, Dean Academic, Dr. Balkar Singh said that University is going to start quality publicity campaign to support its institutions. He said "we are also giving provision of break in continuation & restoration of the programmes as AICTE norms, also working to start of new demand based skill oriented courses keeping in view of the requirements of the industry and society.

During the meeting, question-answer session was also held in which Chairman shared their views, experiences and demands. University authorities answered their queries. Dr. Amanpreet Singh welcomed all Chairman in a formal way and Dean P&EP Dr N.P. Singh read formal vote of thanks.



IKGPTU TAKES STEP AHEAD TO TRAIN FACULTY FOR SUCCESSFUL KNOWLEDGE SOCIETY

- University Signed MoU with AICTE, Vice Chancellor gave green signal to invest maximum to train faculty

With an objective of conducting training for faculty members to prepare them for being successful in the present society, I.K.Gujral Punjab Technical University signed Memorandum of Understanding (MoU) with All India Council for Technical Education (AICTE) on November 20, 2018. This MoU was signed during a ceremony held at AICTE headquarter New Delhi. Vice Chancellor Prof. (Dr.) Ajay K. Sharma signed over this MoU from IKGPTU side & from AICTE side, Prof. (Dr.) M.P. Poonia, Vice Chairman AICTE signed over the document. The authorities exchanged copy of MoU with a defined role of both parties. After this MoU, Vice Chancellor IKGPTU Prof. (Dr.) Ajay K. Sharma said that all the teachers

from AICTE approved institutions affiliated with the IKGPTU are eligible to participate in faculty development training programmes through this MoU. He said that there will be a five days residential training program with minimum forty participants. Prof. Sharma said that in the engineering colleges, it is the need of the hour to train and develop the skilled faculty members as per the day to day advancements and technological changes taking place at global level. He said that this initiative will boost up the faculty morale in the technological era. He briefed that in order to train faculty, University will call various experts from the recognized institutions of National/International level.



COMMITTEES ANNOUNCED ADVISORY FOR ACADEMIC EXCELLENCE IN ITS AFFILIATED INSTITUTIONS

- **University called all Affiliated Institutions Principal-Directors Meet · Vice Chancellor addressed all Queries, Get Feedback and Suggested Measures for Both Sides**
- **Give Message that Director-Principals are the backbone of Academia, Take responsibility to clean up system**

By taking Step forward towards Academic Excellence, I K Gujral Punjab Technical University called Directors-Principals Meet of all affiliated Institutions. The agenda of this meet was to exchange ideas and getting feedback to establish Academic Excellence in University's affiliated Institutions. Vice Chancellor Prof. (Dr.) Ajay K. Sharma chaired this meeting and addressed all queries related to various departments of the University; even he also addressed the issues related to National Level Technical Education Scenario. VC Prof. Sharma gets feedback from the invited Director-Principals and suggested Measures to handle every situation in positive manners. 145 Principals and Directors

attended this meeting. During the meet it was came to notice that to cover the less admissions or to fulfilment the various targets some Institutions are into the move to admit Non-Attending Students as well as some are to saving funds appointing Ghost faculty. Vice Chancellor Prof. (Dr.) Ajay K. Sharma take serious note over it and clear to all institutions director-principals that University will not tolerate Non-Attending Students & Ghost faculty at any cost. He motivated to Principals & Directors that they are the backbone of Academia, so they should take responsibility to clean up system. He emphasize that providing quality education, transparent system and positive approach is the

real branding, by which they can get maximum and quality admissions easily. In his concluding remarks Vice Chancellor Prof. (Dr.) Sharma announced few of advisory committees who will take care towards academic excellence in IKGPTU's affiliated institutions. The committees are for Academic Affairs, Research & Development (R&D), Infrastructure Development and Examination Reforms. The others points which are discussed during the meet were Collaboration with PSEB for sensitizing young students, Start of New Courses with Multiple Entry and Multiple Exit system, Starting of MOOCS and Swayam Courses and consideration of their credits in IKGPTU curriculum, Centralized Placement Drive at IKGPTU main campus with a proper preparation about interest of students and the standards of companies visiting for placements, More Transparency in Evaluation of Question Papers, supply of modal solutions to the copy checkers, Faculty Development Programmes at University level etc. During this meet Dean Academic Dr. Balkar Singh read out all agendas, Controller of Examination Dr. RPS Bedi give presentation over Examination reforms and Vote of thanks was given by Dean R&D Dr. Anirudh Pratap Singh.



"WE ARE LEARNERS AT EVERY STAGE, AND ONE WHO TEACHES US TO LIVE POSITIVELY, IS REAL TEACHER"

- **Teachers' Day celebrated at I.K. Gujral Punjab Technical University**
- **Campus Students, Faculty, Staff presented tribute to Dr. Sarvepalli Radhakrishnan, Cultural Program performed**

At every stage, we are students, learners and one who teaches us to live positively, is real teacher. These words are delivered by Dr. Anirudh Pratap Singh, Dean, RIC of I.K. Gujral Punjab Technical University, while addressing the function of "Teachers-Day" organized at the University's main campus. Dean Dr Singh motivated to students to go ahead with their goals! Second Teacher's Day speech was given by Dr. Sukhbir Singh Walia, Registrar, IKGPTU. During which he also read Vice Chancellor Prof. (Dr.) Ajay K. Sharma's message on Teachers day among the students. Coordinator of the event Dr.R.P.S Bedi, Joint Registrar, welcomed to all

and shared his views about the relationship of the "Guru-Shishy". The origins of the Cultural Program took place after singing, while Poetry was sung by Student Shukla. A Group Dance performed by the student of engineering department. A Student, namely Shilpa Jassal presented traditional item. Arshadeep and Group played a play, Namya-Shivani, Pooja performed a group dance and student Saras presented Solo Song. The Mush awaited item Jhummer & Giddha were performed by Abhijit Group and Shilpa's Team respectively. At the end of the ceremony, few fun games were organized by the students for faculty members and university staff.



VICE CHANCELLOR INSPIRED STUDENTS FOR SPORTS ACTIVITIES IN RESPECT TO QUOTE OF HIPPOCRATES

- Prof. (Dr.) Sharma recalled quote of Hippocrates that "Sport is a preserver of health".
- 7th Sports Executive Council Meeting held at main Campus

It is famous quotes of outstanding historical figure Greek physician Hippocrates that "Sport is a preserver of health". And in respect to this quote I K Gujral Punjab Technical University is inspiring its students to give their maximum participation in Sports activities. Vice Chancellor Prof. (Dr.) Ajay K. Sharma recalled this quote after reviewing the agenda of 7th Sports Executive Council. The Council meeting was held at University's main Campus in the Chairmanship of Vice Chancellor Prof. (Dr.) Ajay K. Sharma.

The main agenda of meeting was to discuss the points for the development of sports related activities among the affiliated colleges of IKGPTU. There were fifteen council members, including Dr. R P S Bedi Joint Registrar, Student Affairs, Dr. S S Walia, Registrar, Dr. Nitya Sharma, Deputy Controller of Accounts, Vinay Kehar, Incharge Sports, Ripu Daman Kumar Singh, Veteran Olympian, Principal/Directors and Sport officers of affiliated colleges

Vice Chancellor Prof. (Dr.) Ajay K. Sharma takes introductions of all council members and Dr. R.P.S Bedi, Joint Registrar welcomed to all council members. After that Dr. Bedi shared the agenda with the members. The Action Taken Report of the 6th meeting of sports executive council was discussed and approved by all the members. The Annual Reports of session 2016-17 and session 2017-18 was



presented and also approved by the council. It was also shared that a Ten days summer coaching camp will be organised at Regional Mountaineering Centre, Mcleodganj for selected sports students who hold positions in the inter-college and inter-varsity sports tournaments. Veteran Olympian Ripu Daman Kumar Singh lamented his experience for the development of the sports activities. He shared that Education and Sports have complementarity. Both needs to do together. It is the urgent need of the time and students should be encouraged. It was also discussed and approved by council members that coaching camps must be organised ten days before to the inter-varsity tournament in the same college which is hosting the inter-college tournament of the same sports category. The council members also discussed about the 'Free Ship Scheme for Sports Persons', In this



entire tuition fee will be offered as free ship to those students who have participated or secured any position in inter varsity tournaments. In the last, Dr. S. S Walia, Registrar gave vote of thanks to all the members for giving their valuable time and fruitful discussion.

UNIVERSITY OF CANADA WEST KNOCKED AT IKGPTU

Dr. Brock Dykeman, Vice-President, University of Canada West, Canada visited University on September 7, 2018 to explore opportunities for academic collaboration. He met Vice Chancellor Prof. (Dr.) Ajay K. Sharma & discussed about the starting of some joint research programmes. He also shared about the opportunities in the field of student exchange programme.



APPLAUSE ON SUCCESS

University appointed highly qualified, PhD, Faculty for its main campus in the year 2016 and Faculty proven its worth by working in best manner. After getting feedback from various corner on record, their probation period is confirmed now.

Hon'ble Vice Chancellor gave confirmation letter to total 28 Faculty members and feel proud to have this much of well qualified faculty at University. He congratulated to all and wished them all the very best for their future endeavours.



KEEP A CHECK ON INNER CHARACTER, IF IT'S GOOD KEEP IT, OTHERWISE IMPROVE IT WITH CONFIDENCE: PROF. (DR.) AJAY K. SHARMA

• IKGPTU Vice Chancellor inaugurated 3 days AICTE sponsored Teachers' Training Workshop on Student Induction for Universal Human Values & Ethics (UHVE)



Every human being has its own inbuilt character and during the period of ages he/she experienced that whether inbuilt character is good or not. If we need to improve it in our character, then on the basis of feedback of our surrounded people, we should improve it with confidence and in positive manners. These positive words on human character and maturity were said by Prof. (Dr.) Ajay K. Sharma Vice Chancellor I.K. Gujral Punjab Technical University during the inaugural session of 3 days Teachers' Training Workshop. This was an AICTE sponsored activity to train teachers on student's induction for Universal Human Values & Ethics (UHVE). Total 150 faculty members

from affiliated colleges and various Universities of Punjab and near states were attended this workshop. Vice Chancellor Prof. (Dr.) Sharma, shared about the vision and efforts being done by IKGPTU in the field of Value Education. Dr. R K Soni, North West Regional Officer, Chandigarh (AICTE, New Delhi) also joined inaugural session and he shared about the mandate of AICTE, New Delhi. He shared that in this month 3200 faculties will be introduced with this mandatory induction program. It is worth mentioning that AICTE, New Delhi has initiated a new mandatory program named Teachers' Training Workshop (TTW) on Student Induction for all those colleges which are running AICTE approved course. In this

program, all the faculties of the affiliated colleges will be sensitized on UHVE. For this, IKGPTU has been chosen to conduct 3 and 8 days workshops for all the colleges. To cater to this, there is a need to prepare teachers of UHV who can develop themselves to conduct this induction workshop for students of their colleges.

Dr. Jagmeet Singh, Asst. Professor, IRC-UHVE did floral welcome of the Chief Guest, Dr. Ajay Kumar Sharma, Hon'ble VC IKGPTU, Guest of Honor Dr. R K Soni. Regional Officer of AICTE North-West Zone, Dr. S. S. Ahluwalia, Registrar, IKGPTU, all the officers, Faculties of IKGPTU & Participants from different colleges and universities.

Dr. S. S. Ahluwalia, Registrar, focused on the need of the Value Education in current education system. IKGPTU has been making efforts with the core idea that "the role of education is to facilitate the development of the competence to live with human conduct"; and through that, to "contribute to the making of an undivided humane society". Ultimately, it is as an effort for universal human good in a universal, rational, secular, understandable and realizable manner through education that facilitates development of human conduct.

IKGPTU PARTICIPATED IN STATE LEVEL LAUNCH OF DAPO PROGRAM

I.K. Gujral Punjab Technical University, Kapurhala participated in state level launch of Drug Abuse Prevention Officer (DAPO) Program. An oath taking ceremony was organized. With the initiative of Honorable Chief Minister Punjab, Captain Amarinder Singh, a stated level program was launched at village of Martyr Bhagat Singh. As a part of this initiative, I.K. Gujral Punjab Technical University, Kapurhala also participated. Vivek Talwar, Assistant Registrar, Student Welfare, welcomed Dr. N P Singh, Dean P&EP, Dr. S S Ahluwalia, Director, Student Welfare and other faculties and students. The oath taking ceremony was organized in the seminar hall. Honorable Chief Minister, Captain Amarinder Singh was leading the oath taking ceremony. The online telecast of this event was on

IndiaNewsPunjab. All Officers, Faculty members and students followed him. Dr. N P Singh, Dean P&EP expressed the serious concern of drug addiction among the students and motivated them to be away from such practices. Dr. S S Ahluwalia shared about the importance of

DAPO. There is a strong need of prevention & awareness of drug addiction in Punjab. Every individual will have to take initiative regarding the awareness of drug addiction. He encouraged participants to enroll themselves for DAPO program.



REAL CONTRIBUTION TO COUNTRY "SET FUTURE TARGETS & INSPIRING OTHERS WITH ACHIEVED GOALS"

- IKGPTU celebrated 72nd Independence Day
- Cultural colours were given by campus students by performing various activities

By counting the years of Country's Independence, now time to give your best to nation so that India become a Developed nation. Perhaps, it is in your mind that what can I do? And the answer is in doing your best at your seat/position by keeping in mind that your target is Developed India. Real contribution to Country is to set future targets & inspires others with your achieved goals. These energetic words were delivered by Prof. (Dr.) Ajay K. Sharma, Vice Chancellor I.K.Gujral Punjab Technical University during his Independence Day speech at University's main campus.

Prof. Sharma shared University's achievements with faculty, staff and students. He said that after his joining his main goal was to get reorganizations from all higher Educational Bodies and with the support of University team IKGPTU got approval from AICTE. He also shared about the confirmation of PhD Faculty, Scale & Designation promotion of University Employees, Collaborations with Foreign Universities, tie-up steps towards employability enhancement, R&D promotional works, on screen evaluation, CCTV Cameras monitoring at Examination centres and establishment of world class labs at main campus.

Vice Chancellor Prof. Sharma also briefed about future goals like E-Governance, Campus Enterprise Resource Management Systems, Interactive Campus Portal Platform, E-Campus Connectivity, E-education, Next Generation Network (NGN), Smart Cards, Bar Codes & RFID tag for Inventory Management, Digital Campus Apps, After the Independence Day Speech, University celebrated 72nd Independence day with full colours of patriotism. Its own campus students who gave different colours to IKGPTU cultural stage during this event. The PESCO jawans, as

security officers, gave respect to tri colour flag with parade. National anthem was performed by students.

Dr. S.S.Ahluwalia, Registrar and Programme's Chief Coordinator Dr RPS Bedi, Joint Registrar welcomed all the guests. Various cultural items were performed by students, which includes several topics like history, women empowerment, Punjabi culture etc. University's Dean Dr N.P.Singh, Dr A.P. Singh also motivated University staff. All officers, faculty members & staff members were present during the ceremony.



TIME TO GET ACCREDITED, IKGPTU STARTED AWARENESS CAMPAIGN

- University divided its Colleges in to five clusters for NBA/NAAC awareness workshops
- Accreditation will improve the image of Institutions: VC Prof. (Dr.) Sharma

To set benchmarks in quality technical Education, I K Gujral Punjab Technical University starts motivational cum awareness workshops in its affiliated colleges/institutions with a theme that It's Time to get accredited. University has taken steps by starting awareness campaign to get accreditation from The NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC) and The National Board of Accreditation (NBA). This initiative has been taken by the academic department of University in the leadership of Vice Chancellor Prof. (Dr.) Ajay K. Sharma. It is worth mentioning that The NAAC is an autonomous body established by the University Grants Commission (UGC) of India to assess and accredit institutions of higher education in the country. On the same way another body, NBA, was initially established by AICTE (All

India Council of Technical Education) for evaluations of technical institutions & programs basis according to specified norms and standards as recommended by AICTE council. The NBA is with the objective of Assurance of Quality and Relevance of Education, especially of the programs in professional and technical disciplines, i.e., Engineering and Technology, Management, Architecture, Pharmacy and Hospitality, through the mechanism of accreditation of programs.

To fulfill the Task University divided its all affiliated colleges district wise into five clusters. University organized five workshops at various locations like Jalandhar, Kapurthala, SBS Nagar, Amritsar etc. During the check of status of these workshops, Vice Chancellor Prof. (Dr.) Ajay K. Sharma said that the accreditation is need of the hour and it will surely improve the brand value of Technical Institutions of Punjab. He Congratulate the team members of Academic Department to run workshops successfully.



SOLID PRESENCE, BOLD CHARACTERS ARE FIT FOR JOURNALISM: PROF. (DR.) AJAY K. SHARMA

- IKGPTU Vice Chancellor inaugurate inter Institutional Media Fest "Open Stage & Mike" • 03 state Universities, Affiliated Colleges participated in 06 Mega events • Vice Chancellor gave green signal to Ultra Modern Audio-Video Studio at Main Campus for Journalism & Mass Communication Students

It is a fact from centuries that a person with solid presence & bold character is fit for journalism & mass media. Till decades back, it was also popular that journalistic skills cannot be inculcated, its God gifted. But Now Educational Institutes of Media Studies are breaking the ice & empowering students with journalistic skills successfully and Media Fests are playing super role in it. These words were delivered by Prof. (Dr.) Ajay K. Sharma, Vice Chancellor I.K.Gujral Punjab Technical University. He was inaugurating Inter varsity cum inter institutional Media Fest at University's main campus. This fest was

organized by University's Department of Journalism & Mass Communication. In his speech, Vice Chancellor Prof. Sharma said that Campus media fests are changing personality of students according to their field requirements. Here the students meet the opportunities to interact with professionals & show their talent. During the event, VC Prof. Sharma also gave green signal to Journalism Department of University to establish a new Ultra-Modern Audio-Video Studio at main campus for the practical work of mass communication students within current academic session. He also approved proposal

to establish campus FM (Community Radio) & Community TV Channel soon. Before this, the event was formally inaugurated with lighting the lamp by Vice Chancellor Prof. (Dr.) Ajay K. Sharma, Campus Director Prof. (Dr.) Yadwinder Singh Brar & HOD JMC Prof. (Dr.) Ranbir Singh. "Ma Saraswati vandana" was also performed by University students. Total three state Universities & 5 Media Studies Institutes participated in this inter-varsity/institutional Media fest and competition was on total 06 activities. According to results in poetry Student Lalit stood first, Gursimran Kaur stood second & third position was won by Abhijeet Singh. In acting, First position was won by Arshdeep Kaur, Second was Baljeet kaur. In Singing, First position was won by Vardaan, Second was Sukhwinder, Third was Puneet. The event standup comedy was very interesting and first position was won by Shishant Sharma, Second position was won by Abhijeet Singh. In Solo Dance competition first was Vivek, Second Preety & third position was won by Gurwinder Kaur & Shreyanash Kaushik. The faculty of Hans Raj Mahila Maha Vidyalaya Ms Rama Sharma & faculty of IKGPTU Dr Jagmeet Bawa, Dr Sarabjeet Mann & PRO Rajneesh Sharma performed as jury members.



WORKSHOP ON AUTOMATION BY USING PLC

Workshop on "Automation using PLC" was organized by Department of Mechanical Engineering of IKGPTU. The Guest speaker of this workshop was Er. Ajay Godara. Er. Godara is founder and director of ENOVATE SKILL and Mentor of Change in Niti Ayog, Govt. of India. It was a Two days event and on first day, the speaker emphasized on the importance of INDUSTRY 4.0 concept. He discussed about the importance and need of multi-disciplinary skills for the Engineers in today's industry. He also gave a brief outlook on Artificial Intelligence and various software used in designing.

EXPERT INTERACTION ON NATIONAL PRESS DAY

India's most popular RJ Jassi visited I.K. Gujral Punjab Technical University on 16th November 2018 on the occasion of National Press Day. He interacted with University's Journalism and Mass Communication Students and motivated them to use new media platforms to enhance their skills and knowledge. Prof. (Dr.) Ajay K. Sharma, Vice Chancellor, IKGPTU also met him and appreciated his efforts in terms of sharing practical knowledge with students.



IKGPTU ACADEMIC COUNCIL TOOK MORE STEPS FOR TRANSPARENCY & EMPLOYABILITY

- University will start Concept of Major & Minor Degree Certification to enhance the employability
- University holds 51st Academic Council Meet

For maximum transparency in examination evaluation system & to enhance employability through academic certification, I.K. Gujral Punjab Technical University has taken more steps through its 51st Academic Council. During the deliberations of Academic Council, a major agenda related to direct student benefits was to start concept of Minor & Major Degree certificate. Under this concept one stream student, if interested to study in another stream subjects, can continue with their favourite other stream subjects. University will provide these students major degree in particular admitted stream and minor certification in favourite other stream. This concept will support students in employability. After getting two major & minor certificates students can apply for two different field jobs.

University also put an agenda to provide scanned copy of evaluated answer sheets to the concerned students, who are studying in IKGPTU campuses as well as in affiliated colleges. To avail this facility, student shall be required to apply within 10 days from declaration of result through login ID of Head of department of respective college and a nominal fee shall be charged per answer sheet. It is worth mentioning that before this IKGPTU was providing copy of answer sheets through RTI (Right to Information Act) provisions only, which was a time taking process. After getting approval of this agenda, University students can check their performance in actual through scanned copy of answer sheets. The academic council meeting was chaired by Prof. (Dr.) Ajay K. Sharma, Vice Chancellor IKGPTU. On this occasion Vice Chancellor Prof. (Dr.) Sharma said that decision will discourage the re-evaluation trends among students studying in various campuses and affiliated colleges. After reviewing agenda, he shared facts that Mumbai University, CBSE, New Delhi and few institutions of other states are already providing this facility to their students, which is a less time taking exercise. He also said that major & minor degree concept will provide new opportunities to students. Director Academics Dr Balkar Singh said that facility shall be made available to each and every student, including student appearing in any Special Chance Examination too. For any



such students, including where Login facility is not available, he/she shall fill the examination form manually and shall have to deposit the requisite fee through DD, in the name of Registrar, I.K. Gujral Punjab Technical University Jalandhar payable at Jalandhar. An agenda related to rationalization of Internal/session marks was also on high deliberations. University officials shared their observations that some private colleges are awarding more than 90% of Internal marks to all the students and some good institutes are awarding Internal marks between 60% - 90%. There is no mechanism for rationalization or verification of the internal marks awarded by the affiliated colleges. University constituted a

committee to check facts and recommendations were discussed between all council members and received majority of endorsement. University will soon notify a set of rules on it. The other important agenda like to start of B. Tech (Plastic Technology) course and constitution of Board of Studies of Plastic Technology, Improvement in Grade and Consideration of Cases in grading system at par with 40% pass rule, Implementation of Tuition Fee Waiver Scheme for Admission in Non-AICTE courses were also a part of major deliberations. Total 17 agendas are the part of 51st academic council meeting.



TECH-SAVVY EDUCATION IN HI-TECH ERA IS NEED OF THE HOUR: PROF. (DR.) AJAY K. SHARMA

- IKGPTU launched "Knimbus Mobile application" for its students
- Now thousands of E-Journals, E-books and other syllabus notes will available at screen of smart phone



The era of collecting knowledge from hard books, journals, syllabus documents or notes is totally changed now. At this time infinity knowledge is available on smart phones, and it has come true in I.K. Gujral Punjab Technical University too. By considering era's demand, IKGPTU's Library (Knowledge Resource Centre) launched a E-library Mobile App on 30th August 2018. This initiative has been done by the Team of Knowledge Resource

Center. Vice Chancellor Prof. (Dr.) Ajay K. Sharma launched this mobile app and give green signal to its maximum use. He forwarded this event as his Vision's success. On this occasion, Vice Chancellor Prof. (Dr.) Sharma said that it is the responsibility of Technical University to provide the best technology resources to all its stakeholders. The university is now so capable for that and now by these kinds of initiatives, University is fulfilling its

every responsibility. He congratulated the team of Knowledge Resource Center and reiterated its promise that the day is not far when the IKGPTU will touch peak in Tech-Savvy World. He said that today student's needs tech-savvy education in hi-tech era.

University Registrar Dr. Sukhbir Singh Walia also joined launching session and he also congratulate to library staff and students for this initiative! He inspired students to use the most of this app in his address. University's Knowledge Resource Center Incharge Ms. Madhu Middha said that students will be registered with Library by providing their email address through their academic department heads, after which they download this app from Android and Apple Mobile phones by using Play Store services and get registered through Email, password, which will be available on their email address. He told that thousands of E-books, E-journals, notes etc will be available through this app.



Mr. Ankit Gautam, the student of B. Tech. CSE 6th semester, IKGPTU Kapurthala has got 3rd position at "Huawei ICT Skill India Competition 2018-2019". Achiever Mr. Ankit Gautam with other achievers & authority of Huawei company at their Gurugram Office.



STUDENTS OF IKGPTU BRING LAURELS

- One student achieved 3rd position in Huawei ICT Skill India Competition, another student achieved 2nd position in Innotech-2019

Student of I.K.Gujral Punjab Technical University, Ankit Gautam, of B. Tech. CSE 6th semester has brought laurels to the University by securing 3rd position amongst 3000 participants by qualifying various levels in the National Finals of "Huawei ICT Skill India Competition 2018-2019". He is honoured at an award ceremony held at Huawei, Gurugram Office, where he was honoured with Trophy, Certificate, and Huawei Smart Phone. He has been shortlisted to participate in a fully sponsored International Competition of Huawei ICT Global Finals scheduled at Shenzhen, China in May, 2019.

Another student of IKGPTU Manjinder Singh from B Tech CSE 4th semester stood 2nd in the Competition "Innotech-2019" held at Pushpa Gujral Science City, Jalandhar, by sharing his innovative idea on Digital Learning amongst 30 participants across state of Punjab. Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma and HOD, Department of Computer Science & Engineering along with faculty members congratulate Ankit and Manjinder for their prodigious achievements.



Mr. Manjinder Singh from B Tech CSE 4th semester stood 2nd in the Competition "Innotech-2019" held at Pushpa Gujral Science City (PGSC), Kapurthala on 18th-19th March, 2019 by sharing his innovative idea on Digital Learning amongst 30 participants across state of Punjab. The Vice Chancellor of MRSPTU Dr. MPS Isher & other officials of PGSC, Kapurthala honoured him during the event.

ESTABLISHMENT OF INNOVATION CLUBS-ENTREPRENEURSHIP CELLS

- **Special Fund will be allocated at campus level: Prof. (Dr.) Ajay K. Sharma**
- **Vice Chancellor inaugurated Entrepreneurship Week**

To promote innovation and create high awareness I.K. Gujral Punjab Technical University established Innovation Clubs in its main campus. The students and faculty members will work closely in these clubs so that innovative ideas can exchange to touch the height of innovation. These club members will also inspire other campus students to start their journey as job developers, not as job seekers. University will allocate a special fund for the same. Vice Chancellor Prof. (Dr.) Ajay K. Sharma floats this initiative announcement during the inauguration session of Entrepreneurship Week at University's Main campus.

Vice Chancellor Prof. (Dr.) Sharma said that society is in changing scenario and today's efforts are not only to study for the jobs. These days our priorities are to deliver entrepreneurs. He inspired students to set examples for the coming generations, pass on best messages to the new students for the academic year 2018-19. Prof. (Dr.) Sharma shared examples related to the invention of tube light and its future development. He inspired students to think



positive and deeply about any of surrounding thing which is related to science and innovation. Before this, inauguration session was addressed by University's Dean RIC Dr. Anirudh Pratap Singh. He said that Faculty and students have to work together for the entrepreneurship development so that name of this state, especially district Kapurthala may famous as Silicon Valley. He correlates his examples with the importance of entrepreneurship. Dr. Singh said that it is a matter of pride that IKGPTU is

empanelled under Prime Minister YUVA Yojana. This event was also addressed by prominent researcher cum Talk Expert Er. Jagmohan Singh. His speech was about the innovative world and its generational inventions. On this occasion, Deputy Dean cum HOD Food Sciences Dr. Rajneesh Kant Sachdev, Deputy Placement officer Er Navdeepak Sandhu, Assistant Placement Officer Er. Mrigender Bedi, Assistant Professor Gazal Sharma & Others were also present.

IKGPTU JOIN HANDS WITH FOREIGN UNIVERSITIES

- **After two years at IKGPTU, Students can join University of Fraser Valley, Canada**

Considering the rising trend among students for foreign degrees I.K. Gujral Punjab Technical University Jalandhar signed an agreement with University of the Fraser Valley (UFV) located at British Columbia, Canada. The University is one of the renowned Universities in Canadian Higher Education system. The agreement between both the Universities has brought an excellent opportunity to students to pursue their higher studies in Canada. Now the students of IKGPTU in Course BCA (Bachelor of Computer Applications) after completing first two years in IKGPTU system can join Bachelor of Computer Information System (BCIS) course at University of Fraser Valley, Canada under pathway program. After successfully completing the course requirements in two years at University of the Fraser Valley students shall be awarded degree of BCIS by the Canadian University. Prof. (Dr.) Ajay K. Sharma, Vice Chancellor

IKGPTU congratulates University's team who done this successfully. VC Prof. (Dr.) Sharma said that this joint programme with UFV is a part of University's International collaborations which has been started for students who desire to pursue higher studies abroad. This joint programme shall reduce the financial burden on parents who want to send their wards to abroad for studies, as first two years of the course shall be in India & two in Canada. On completion of the course student shall get a Canadian degree. Dr. N P Singh, Dean-Planning & External Programmes shared that University has also signed a Memorandum of Understanding with Tribhuvan University, Nepal also to augment the academic relations between both the countries. Under this MoU faculty and student exchange programme shall be started soon & students from Tribhuvan University can come to IKGPTU

for training and joint research projects. He further added that having a foreign degree is the dream of many young students in State. University is making continuous efforts to enable the students so that they may realize their dreams. University is engaging with many national and international educational institutions to provide world class exposure to its students.



BLOOD DONATION COSTS NOTHING; BUT IT WILL SAVE A LIFE: PROF. (DR.) AJAY K. SHARMA

• IKGPTU & HDFC Bank organized Blood Donation Camp

Blood Donation is an important service to Human kind and by Donating Blood we can help a needy and save a precious life. Transfusion of blood every year saves many of life in this world. It will cost you nothing but it will save a life. These words are delivered by Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I.K. Gujral Punjab Technical University. Prof.



Sharma was addressing to students, NSS Volunteers, Faculty & staff members during a Blood Donation Camp held at University's main campus.

This Camp was inaugurated by Vice Chancellor. Total 46 Units of blood donated in this camp. On this occasion University staff, Faculty; Students donated their blood towards saving life. From University side Registrar (Dr.) Sukhbir Singh Ahluwalia, Incharge Vice Chancellor Secretariat Dr Paramjit Singh participated in this camp and on the side of HDFC Bank Cluster Head Jatin Sharma, Branch Manager Binny Dhir, team member Chander Parkash, Satnam singh, Kamaljit were also be present there.

STUDENTS OF IKGPTU MAIN CAMPUS VISITED INTERNATIONAL TRACTORS LIMITED



Mechanical engineering students of IKGPTU main campus visited International Tractors Limited (Sonalika), Hoshiarpur. It was a good learning experience for the students. The industrial unit was highly modern and equipped



with latest & robotic technology of manufacturing the tractors. Dr. Vivek Aggarwal & Dr. Jujhar Singh had accompanied the students.

INTER-COLLEGE TOURNAMENT



First women team of IKGPTU Main Campus won Bronze Medal in Inter-college Volleyball Tournament. Vice Chancellor Prof. (Dr.) Ajay K. Sharma congratulated to team.

MATHEMATICIANS ARE ON HIGH DEMAND AT WORLD LEVEL: PROF. MANORANJAN MISHRA

• IKGPTU holds an expert talk on of Mathematical Science

Jalandhar/Kapurthala April 12, 2019

Mathematic is not a subject only, it is a way to understand various subjects that's why Mathematicians are on high demand at world level. This was the conclusion of an expert talk organized by the department of Mathematical Sciences of I. K. Gujral Punjab Technical University, Kapurthala. IITian Prof. Manoranjan Mishra from IIT Ropar focused upon the applications of mathematics in various fields. He motivated the students to take up Mathematics as one of their major subject to meet the growing demand of mathematicians in the world.

Prof. Mishra said that Mathematicians are desirous in research field of almost every subject of science and technology, may it be chemical sciences, life sciences, medicines, physics and engineering. He demonstrated the live examples of direct applications of mathematics in fluid dynamics, material sciences and computer science. Responding to the queries of the students, the Bhatnagar awardee, Prof. Mishra explained about the various avenues after pursuing graduation and post-graduation in Mathematics. After qualifying GATE and many other scholarship tests students are eligible to work in various IITs and with the scientific groups of top Universities in the world.

Dr. Ashish Arora, head of the department of Mathematics, IKGPTU informed that the department has started B.Sc. (Honours) program in Mathematics to cater the demand of Mathematician in the world. The objective of specialized undergraduate mathematics program is to develop young minds into skilled mathematical man power. The department is already running M. Sc. and Ph. D. programs in specialized subjects of Mathematics, he added.

STEP TO STREAMLINE MIGRATION AND SAVE YOUTH FROM FRAUD OF TRAVEL AGENTS

• Canadian Immigration Minister Meets Punjab Technical Education Minister

Minister (Migration), Govt. of Canada Mr. Christopher Kerr visited Punjab with an aim to regulate movement of youth to Canada especially Punjabi youngsters, who want to embark study abroad. The Canadian delegation met Punjab Technical Education and Industrial Training and Employment Generation Minister Mr. Charanjit Singh Channi. During this meeting both country ministers held discussions with senior officials of Punjab included Secretary Technical Education and Industrial training Punjab IAS D. Tiwari, Vice Chancellor IKGPTU Prof.(Dr.) Ajay Kumar Sharma over the issues. Minister Mr. Channi said that Memorandum of Understanding (MoU) will be signed between Govt. of Punjab and Govt. of Alberta, Canada to streamline the migration application processes for students and saving the immigration aspirant students from fraud commission agents on February 7, 2019.

He said this is in continuation of initiative taken by the a high level delegation that visited Canada this year to facilitate aspiring youths,

creation of jobs for Punjabis overseas and exploring educational opportunities for both the countries. He said that keeping in view of the increasing passion of Punjabi youth to study abroad, Punjab Government had taken the great initiative for bright and prosperous future of the younger generation craving for study abroad and would create vigorous employment opportunities, which is the motto of Punjab Government.

During the meeting issues related to setting up

of a Punjab Govt. portal aimed at funneling students and immigrants interested in Canada, Skill Development for overseas Employment, studying abroad programs in various Universities, Colleges, Polytechnics and ITIs of Punjab and how the immigration Department of Govt. of Canada support such Initiatives of Govt. of Punjab. Punjab Govt. is making all efforts to save youngsters from fraudster agents and provide them legal pathway to go to Canada through Skill Development.



IKGPTU STARTS MONITORING OF 107 EXAM CENTRES THROUGH TECHNOLOGY

- University established Control Room at main campus, On Screen Evaluation is also in function
- University is performing step ahead exercises in its examination department: Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma

To take the transparency on top in its Examination system, I.K. Gujral Punjab Technical University is proving its Technical reach by monitoring its 107 no. of Examination Centers from One point control room established at University's Main Campus. University has also started On Screen Evaluation system. Even University has taken many initiatives during current Examination Session November-December 2018. Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma inspected these all initiatives in the examination department after a special workshop held at University Campus. During the visit of Vice Chancellor Dr. Amanpreet Singh, Controller of Examination explained the initiatives. He briefed that It was the vision of University mentors like Chairman Board of Governors, Vice Chancellor that the system of Examination department should be more transparent between students and the

faculty. This time University established 107 no. of Examination Centers throughout the state and 1.5 lakh students are appearing in these examinations. University ordered its all affiliated colleges to install CCTV cameras with resolution of 2 megapixels along with audio mic with at least 2 stage pre-amplifier specifications. Further University team inspected all the colleges and ensure the same. Examination Department conducted a special workshop in which all Centre Superintendent and Printing Cell Co-Ordinators were present. The motive of this workshop was to train the staff of examination centres and to update the examination Center staff about the new initiatives taken by the University. On this occasion, Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma said that Technological advancement is on top priority of University. He said that transparency in work will always boost up the morale of all

stakeholders and it will create a satisfactory atmosphere. Prof. (Dr.) Sharma said that at global level only those institutions can establish its image and compete the world level requirements, which will work through technological revolutions. He congratulated the team members of examination who performed well towards Technology revolution at University. He said it is a matter of proud that University is performing step ahead exercises in its examination department.



YOUTH GLOBAL INTERNSHIP PROGRAMME ORGANISED AT 3 UNIVERSITY CAMPUSES

The Awareness Sessions were organised at 3 University campuses i.e. Main Campus Kapurthala, Amritsar, Hoshiarpur & affiliated colleges main campus under the "IKGPTU Youth Global Internship Programme" powered by AIESEC. Officials of AIESEC informed the students about the registration, selection

process & benefits of International internships. Pre-final & final year students attended this session. Engineering students of all years attended this session. Officials from AIESEC briefed to students about the International internships programme too and they also addressed their queries



HUAWEI ICT COMPETITION - 2018



Interactive Session on Huawei ICT Competition-2018 was organised at IKGPTU main campus. Officials from Huawei briefed to students about the competition and its benefits in there career.

HUAWEI ICT SKILL COMPETITION

08 IKGPTU students qualified among top 50 students for the National Finale of Huawei ICT Skill Competition 2018-19

IKGPTU MAIN CAMPUS

04

Students

ACET, AMRITSAR

03

Students

DAVIET, JALANDHAR

01

Student

ACTIVITIES OF AFFILIATED INSTITUTES



1st convocation of Khalsa College of Engineering & Technology, Amritsar held on November 3rd, 2018. Vice Chancellor Prof. (Dr.) Ajay K. Sharma Joined ceremony as Chief Guest.



Annual Convention of DAVIET, Jalandhar held on October 12, 2018. Vice Chancellor Prof. (Dr.) Ajay K. Sharma joined as Chief Guest.



3rd convocation of GGI-Gulzar Group of Institutes held on October 28, 2018. Vice Chancellor Prof. (Dr.) Ajay K. Sharma joined the ceremony as Chief Guest.



Vice Chancellor Prof. (Dr.) Ajay K. Sharma received prestigious Award of Eminent Engineer in ET division from the Electronics & Telecommunication Division Board during session of 34th National Convention of Electronics & Telecommunication Engineer on 21st October 2018.



Vice Chancellor Prof. (Dr.) Ajay K. Sharma Joined as Chief Guest during seminar on "Digital India: Services" Organized by Telecom Regulatory Authority of India, Regional Office, Jaipur & National Institute of Technical Teachers Training and Research, Chandigarh on September 13, 2018.



Vice Chancellor Prof. (Dr.) Ajay K. Sharma delivered Keynote address on "Higher Education for Developed India" and chaired session at the National Symposium on "Development of Technology for Nation Building and Defense" organized by Apeejay Stya University on 16th August 2018 at India International Centre, Lodhi Estate, New Delhi.

SURVIVAL OF SOCIETY DEPENDS UPON HUMAN VALUES; ITS IMPROVEMENT IS INSTITUTIONAL RESPONSIBILITY:

PROF. (DR.) AJAY K SHARMA

• Vice Chancellor IKGPTU inaugurate AICTE sponsored 7 days' Residential FDP on Student Induction for Universal Human Values (UHV) at Main Campus Kapurthala

Survival of Society depends upon Human Values and its improvement is every educational institute's responsibility. Before start work with professional ethics, everyone should check Human Values in his or her inner side. This message was delivered by Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I.K.Gujral Punjab Technical University. He was addressing as Chief Guest to the inaugural session of 7 days' Residential Faculty Development Programme on Student Induction for Universal Human Values (UHV) at University's main campus Kapurthala.

VC Prof. Sharma said that to address responsibility on subject UHV, IKGPTU is taking initiatives regularly. He said that University will organize a National Conference on UHV every year as an annual feature. Further he deliberated about the importance of a teacher in the society, as a teacher is a Nation Builder. He also shared that University will organise such 25 FDPs for North Region. The workshop started with the lamp lightning. Dr. A P Singh, Dean RIC, welcomed to the Chief Guest, Special Guests and participants. Dr. S. S. Ahluwalia, Registrar, delivered his experience

about the residential workshops. Dr. Amanpreet Singh, Controller of Examination (COE), Dr. Balkar Singh, Dean Academics and Dr. R.P.S Bedi, Joint Registrar, Dr. Jagmeet Singh, Asst. Professor, IRC-UHVE also addressed the inaugural session.

The Keynote speaker of this workshop was Dr. R S Uppal, Associate Professor, BBSBEC, Sri Fatehgarh Sahib. He also shared that this workshop is a primarily aim to evolve concrete future plan for taking 'Values' & 'Skills' together and role of education for this purpose. The workshop will further seek to define the role of all stakeholders Viz. University, Colleges, Teachers and Students etc.

In this workshop Dr. S S Walia, Registrar IKGPTU, Dr. R S Maurya from IIT Ropar, Dr.

Jagmeet Singh, IKGPTU, & Sh. Jitender Narula will deliberate lectures on the human values topic for all 7 days as resource persons. Er. Mohit Jain and Vinay Kehar are the coordinators to conducting this workshop.

This residential FDP is an AICTE sponsored activity and around 80 faculty members from various affiliated colleges of IKGPTU and various Universities of Punjab are attending the workshop. IKGPTU has been chosen by AICTE to conduct 3 days' and 7-days' FDPs for all the colleges of Punjab. Cater to this, there is a need to prepare teachers of UHV, who can develop themselves to conduct this induction FDP for students of their colleges. In this series, IKGPTU is organizing this 7 days' FDP for teachers.



PRODUCT DESIGN & DEVELOPMENT CENTER INAUGURATED AT IKGPTU KAPURTHALA UNIVERSITY ENGINEERING STUDENTS WILL LEARN THROUGH REGION'S BEST INDUSTRY SIMULATED ENVIRONMENT

• University started PDD Center in association with TATA TECHNOLOGIES on the occasion of University's 23rd Foundation Day University staff holds "ARDAAS" for "SARBAT DA BHALA"

I.K. Gujral Punjab Technical University inaugurates Product Design and Development Center (PDD) at its main campus Kapurthala on the occasion of University's 23rd Foundation Day. This is an exclusive centre to provide students practical knowledge through Region's

Best Industry Simulated Environment. Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma inaugurated this PDD Center in association with TATA TECHNOLOGIES. During the inaugural ceremony VC Prof. (Dr.) Sharma said that the continuous advancement

of technologies, global competition and safety requirements are compelling the industries to use advance tools for improving the "Product Design and Development". The process is to build innovative, competitive and cost effective products with least time to market. He said that Government of Punjab is keen interested to provide its youth the best learning, training atmosphere in the region and by following its agenda Govt. of Punjab recently offered IKGPTU to establish an exclusive centre with the support of TATA TECHNOLOGIES.

VC Prof. (Dr.) Ajay K. Sharma congratulated the staff of University & TATA TECHNOLOGIES, who have done efforts to establish this centre before



the time.

During the interaction with University staff, students, faculty members Vice Chancellor explained that this Product Design and Development Center is an industry simulated environment with latest technology tools used by major OEMs for product design & development. This center consists of high end industrial workstations, which are loaded with advance tools used for Design and Engineering, Virtual Verification & Analysis, Digital Manufacturing, Product Lifecycle Management etc.

VC said that these technologies will help

student to understand the theory followed by industry domains and leading to creating of individual projects.

From TATA TECHNOLOGIES, Mr. Prasanna Deshpande, Team Manager (Education Services & Initiatives) briefed that in this unique set up of two display monitors per user and with TATA Technologies e-learning platform "I-get-it", students will be taught the entire "Concept to Production" life cycle of different components and assemblies used in manufacturing sector. Students will also be able to work on the real life projects.

Before this inaugural ceremony, On the

occasion of Foundation Day, University staff holds "ARDAAS" for "SARBAT DA BHALA". In the end "GURU KA LANGAR" distributed between University staff, faculty, students and visitors.

On this occasion, Registrar IKGPTU Dr. Sukhbir Singh Ahluwalia, Dean P&EP Dr. N.P. Singh, Director Academics Dr. Balkar Singh, Joint Registrar Dr. RPS Bedi, Dy. Controller (ITS & Examination) Dr. Paramjit Singh, PDD Center coordinator Dr. Neel Kanth Grover were also present.

TO GIVE BLOOD NO NEED NEITHER EXTRA STRENGTH NOR EXTRA FOOD, AND WE CAN SAVE A LIFE: PROF. (DR.) AJAY KUMAR SHARMA

- IKGPTU NSS Unit Organized Blood Donation Camp
- Dedicated this noble cause to 550th Birth Anniversary of Shri Guru Nanak Dev Ji



To donate blood you need neither extra strength nor extra food, and we can save a life. It's a great joy to save a soul. These motivational words are delivered by Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I.K.Gujral Punjab Technical University. Prof. Sharma was addressing to Campus students, NSS Volunteers, Faculty & staff members during a Blood Donation Camp held at University's main campus on Jan.17, 2019. This camp was organized by IKGPTU NSS

Unit. University dedicated this noble cause to 550th Birth Anniversary of Shri Guru Nanak Dev Ji.

Vice Chancellor Prof. (Dr.) Sharma motivated students about the transfusion of blood, which is saving many of life in this world every year. Camp was inaugurated by Vice Chancellor. Total 50 Units of blood donated in this camp. On this occasion University staff, Faculty; Students, even visitors donated their blood

towards saving life. University Registrar (Dr.) Sukhbir Singh Ahluwalia, Students Facilitation Centre In charge Joint Registrar Dr RPS Bedi, NSS unit officer in charge Paramjit Gill, Coordinator Sanjeev Sharma participated in camp and give their best wishes towards more efforts to organize maximum blood donation camps. It is worth mentioning that it was the second blood donation camp organized by IKGPTU within one month.



STARTUP INDIA "PUNJAB YATRA", A PLATFORM TO ENTREPRENEURS TO REALIZE THEIR DREAMS: PROF. (DR.) AJAY K. SHARMA

- VC IKGPTU inaugurate Boot camps under Startup India "Punjab Yatra"
- Vice Chancellor announced Plug and Play free work space to nurture startup idea at IKGPTU campus
- University holds Train the Trainers & Ideation Workshops
- 250 plus participants from various institutes & individuals participated in Idea Pitching Session

Startup India "Punjab Yatra" is a platform for entrepreneurs to realize their dreams by incubation offers from State Incubators and by providing mentorship to take their ideas to the next level. This activity aims to spread awareness about the Startup ecosystem and scout aspiring & grass root entrepreneurs. It is a welcome step to enrich your ideas. These introductory cum inspirational words were delivered by Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I. K. Gujral Punjab Technical University. He was inaugurating a Boot Camp at University main campus under the Startup India "Punjab Yatra" project. VC Prof. Sharma briefed the project Startup India "Punjab Yatra" with the participants of Boot Camp. He said that these camps are presenting initiative to promote startups, ideation workshops and idea pitching sessions.

In his addressed Vice Chancellor announced free space, work place to nurture startup idea at

IKGPTU campus with the support of Punjab Govt. Students applause over this opportunistic offer. University invited students & faculty members from various institutions, and also the persons with innovative ideas related to entrepreneurship. 250 plus participants participated in two Idea Pitching Sessions and attended Train the Trainer Workshop, Ideation Workshop. IKGPTU provided on spot registrations for the participants who were not registered earlier through the portal for the boot camp. During this activity some case Studies & motivational Talks of successful Entrepreneur from Punjab were also organized with audience. Welcome note delivered by Dean (R&D) IKGPTU Dr. A. P. Singh. He said that "Punjab Yatra" is bringing out awareness about the Govt. policies and incentives under the startup scheme and would provide an opportunity to the youths to turn their innovative ideas into reality. The Yatra aims to reach out to and sensitize more than

25000 students across Punjab.

Dr. Vivek Aggarwal, Nodal Officer, Boot Camp at IKGPTU said that the main objective of the Startup Yatra is to motivate the youth, create self employment, upgrading the skills of entrepreneurs and to provide them support to set up their units under professional guidance. Startup Yatra includes 19 Van Stops and 9 Boot camps at various educational institutions in the state and IKGPTU was the one of its stop for Boot Camp.

The aim of the YatraVan or Boot Camp is to travel across the state to educate university or college students about the Punjab Government policy for Startups, Startup India and Stand up India Scheme.

Acceleration program will be organized on 5th Feb at Mohali for ideas shortlisted in boot camps which will be followed by Finale on 06.02.2019. Cash awards will be given to top 3 ideas amounting to INR 40,000, INR 30,000, INR 20,000 in each of the five sectors i.e. Social Sector, IT Sector + Digital Marketing and E Commerce, Health and Wellness, Agriculture and Manufacturing. Free incubation space will also be given to top shortlisted ideas. University Dean Dr. N.P.Singh, Registrar Dr. Sukhbir Singh Walia, Startup India Punjab Yatra Project Head - Mr. Amit Sharma & Operation Manager Mr. Ashok Kumar, Punjab Startup Cell Manager Mr. Ashish Puri & Coordinator Ms. Gurpreet Kaur from Punjab InfoTech Department of Industries and Commerce Punjab & other University officers, faculty & students were also present on this occasion.



105 FEET NATIONAL FLAG UNFURLED AT IKGPTU

- Students, Faculty, Staff & Stakeholders celebrated 70th Republic Day with great zeal
- Vice Chancellor Prof. (Dr.) Ajay K. Sharma emphasis on Nation Building

On the occasion of 70th Republic Day, I.K.Gujral Punjab Technical University established 105 feet National Flag at its Main Campus. Vice Chancellor Prof (Dr.) Ajay Kumar Sharma unfurled National Tri-Color Flag. He Congratulate to entire IKGPTU Officers, faculty, Students & all other stakeholders on the remarkable performance in every sector with global approach. Vice Chancellor emphasis on Nation Building. He said that everyone has a capacity to do something different and positive

for their country, check this inner ability and go ahead for the country.

The Republic Day cultural events included Rajasthani Dance, Group Song & Shabad, Bhangra, solo dance and others well performed by main campus students. The name of participants are Vinti Rani, Baljeet, Priyanka, Tapsya, Pooja, Jashan, Yashpreet, Shilpa, Suman, Neha, Ramandeep Singh, Jasmeen Kaur, Ishika, Anchal Rai, Jaskirat, Saras, Gurkamal, Pawan & Rohit, Vivesh Dadwal,

Saurav Assija, Navdeep, Supreet, Ajay Pal, Simranjit Bhumble, Sourav, Abhijit, Jaspreet Singh, Bhupinder Singh & Charandeep Singh. Welcome Address delivered by University Registrar Dr. S.S.Walia and Vote of thanks addressed by Programme Incharge Joint Registrar Dr RPS Bedi. During this event Vice Chancellor honoured to students who were the winners of Youth Festival 2018 and Inter College Volleyball Women team too

IKGPTU SIGNED MOU WITH MIDDLESEX UNIVERSITY DUBAI

- Middlesex University Invites IKGPTU in Dubai after analyzing its strength
- This MoU will support to explore opportunities in research & academia: Prof. (Dr.) Ajay K. Sharma

I.K. Gujral Punjab Technical University Jalandhar, Kapurthala signed Memorandum of Understanding (MoU) with United Kingdom (UK) based renowned educational brand Middlesex University in Dubai. Middlesex University recently analyzed IKGPTU's academic strength and Invites University in Dubai to sign over MoU. The aim of this MoU is to explore opportunities for collaboration in the area of research & academia. MoU will also provide a framework within of which the both Universities will seek to develop a long term collaborative relationship.



Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor IKGPTU said that the both Universities will work on the opportunities for potential collaboration in the area of development of joint research projects, short term summer courses, exchange of teaching & learning support, acknowledgement of quality standards of academic programmes, field trips for IKGPTU to visit Middlesex University, exploration of progression routes from courses of IKGPTU to

courses leading to awards from Middlesex University and train the trainers programmes. Vice Chancellor shared copy of MoU and drafted literature of aims of MoU with IKGPTU academic team and suggests them to start of initial work. He said that the global approach over educational activities is the need of the hour. He also motivated to University faculty for best ideation to explore the benefits of this MoU.

VICE CHANCELLOR PROF. (DR.) SHARMA

signed MoU as 2nd party on behalf of IKGPTU

PRO-VICE CHANCELLOR DR. CEDWYN FERNANDES

singed over MoU as 1st party on behalf of Middlesex University Dubai. The MoU was signed on January 29, 2019 in Dubai.

IKGPTU JMC DEPARTMENT ORGANIZED EXTENSION LECTURE ON PRINT & NEW MEDIA

- Noted Journalist Rajeev Bhaskar delivered his views with practical experiences

The Journalism and Mass Communication department of IK Gujral Punjab Technical University organized an extension guest lecture on Friday. The topic of the lecture was "Skill requirement in Print and New Media". Noted Journalist Mr. Rajeev Bhaskar, Editor Punjab Tribune news portal was the resource person in this lecture. Dr. Ranbir Singh Head of the department with his team faculty Dr. Sarbjit Singh, Dr. Priyanka Mahajan welcomed to Mr Rajeev Bhaskar.

In his interaction, Mr. Bhaskar said that in the field of journalism reading and writing habits are very much important. He said that without the knowledge of subject no one can become

a journalist. He said that only theory subjects cannot produce journalist skills, for skilled job in journalism, it is important to read and write maximum with a survey of ground reality. Further, he talked about the scope of online media/new media. Mr Bhaskar said that one can start writing his blog to develop his or her writing skills. He taught to students about the news reading. He guided to read newspapers maximum and to watch news videos daily. He also shared his personal experiences in the field of media. Students of Mass Communications had an interactive session with him in the last. The vote of thanks was delivered by Department head Dr. Ranbir Singh.



RESEARCH SHOULD IDENTIFY PROBLEM FIRST & NARROW DOWN TO DOMAIN: VC IKGPTU

- IKGPTU organized Two Days National workshop on "Academic Writing & Research Productivity"
- Vice Chancellor Prof. (Dr.) Ajay K. Sharma encouraged the participants to publish their research work in quality research journals
- 125 research scholars attended workshop & explored their ideas on research strategies



A research should identify the problem first & narrow down to your domain. After literature review, find out the research gaps & try to fill those gaps. This is an expert advice of Prof. (Dr.) Ajay K. Sharma, Vice Chancellor I.K.Gujral Punjab Technical University to research scholars. He was addressing to research scholars during an inaugural session of a two days National workshop on "Academic Writing & Research Productivity" at University's main campus. Vice Chancellor inaugurated this workshop as Chief Guest. It was organized by IKGPTU's Knowledge Resource Centre. Addressing the participants, Vice Chancellor

Prof. Sharma encouraged the participants to publish their research work in good quality research journals, not in paid ones. He appreciated the efforts of Team Knowledge Resource Centre to choose an important subject for this National workshop and call good team of experts to guide participants. Total 125 research scholars attended this workshop & explored their ideas on research strategies. Dr. B. Suthradhar, coordinator, National Digital Library IIT Kharagpur, Dr. Ajay P. Singh Professor Banaras Hindu University were the expert resource persons for the first day of workshop. Representative from Typeset

Software, American Chemical Society, Springer Nature and Scientist D (CS) Ashok Rai were the resource persons of day two. Deputy Librarian IKGPTU Madhu Midha shared information regarding available resources at University's Knowledge Resource Centre.

In his address, Dean R&D Dr. A. P. Singh told that in 2013, IKGPTU has been awarded as best University for Ph.D, Programmes and research work. He said that at present, youngsters have inclination towards research & they want to do quality research. IKGPTU is facilitating and motivating to its students on regular basis to do the quality research work. He assured that University will fulfill the expectation of people in the field of research. Director Academics Dr. Balkar Singh also addressed to participants and shared the information regarding research work done by University's affiliated colleges. Deputy Librarian Madhu Midha addressed as workshop Coordinator and said that the objective of the workshop was to provide knowledge of research & sharpen the skills of researchers.

University's Registrar Dr. S. S. Walia, Joint Registrar Dr. R.P.S. Bedi, Deputy Registrar Dr. Ekonkar Singh Johal were also attended various sessions of the workshop.

VC IKGPTU CONFERRED WITH FELLOW AWARD BY PUNJAB ACADEMY OF SCIENCES

- University Authorities holds "Congratulations Hour" for this Achievement

Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I.K. Gujral Punjab Technical University conferred with Fellow Award by Punjab Academy of Sciences. This award was given to Prof. (Dr.) Sharma during the 22nd Punjab Science Congress which was held on February 7, 2019 at DAV Institute of Engineering & Technology Jalandhar. The recognition was of his outstanding research contributions and achievements in the field of Engineering & Sciences. The award was given to him in the presence of renowned scientists & academicians. Prof. (Dr.) Masatoshi Watanabe, Mie University, Japan was the chief Guest of event.

On this achievement of VC Prof. (Dr.) Sharma, University's Senior Officers, Faculties & staff hold "Congratulations Hour" with Hon'ble Vice Chancellor on Monday. In this hour Vice

Chancellor Prof. (Dr.) Sharma gave his thanks remarks to the authorities of Punjab Academy of Sciences who selected him for this prestigious award. He also thanked to the Executive Council of Punjab Academy of Sciences. In his words he shared his dream that each & every student of engineering should contribute to development of science & technology. He inspired students to become researcher, scientists & entrepreneurs. The citation presented by Academy was a brief of

Prof. (Dr.) Sharma's contribution in engineering, especially in electronics and electrical communication engineering. It is worth mentioning that Vice Chancellor Prof. (Dr.) Sharma has published 328 research papers, 12 books and supervised 27 Ph.D and 46 M.Tech theses. He has completed four R&D projects funded by Govt. of India. He was associated to implement the world bank project of 2009 million rupees for TEQIP-1 programme.



FIVE LAKH+ YOUNGSTERS GOT BENEFITED UNDER STATE GOVT. JOB FAIRS: CABINET MINISTER CHANNI

- Punjab Govt. also provides Thousands of Public Sector jobs, Now Punjab became leading state to provide job opportunities of the country: TEM Channi
- Minister Channi Inaugurated 4th State Level Job Fair at IKGPTU
- IKGPTU is ready to take more initiatives under the umbrella of State Government: VC Prof. (Dr.) Ajay Kumar Sharma

While keeping its promise, Punjab Government is working towards youth employment. The Punjab Government is full of bidding on its Employment promise and we are proud to state the figures that till now 5,35,000 jobs opportunities has been provided to the young generation of Punjab. It is matters of great significance that even thousands of Government Sector jobs also have been placed for Punjabi Youths and recruited youngsters successfully. He appreciated that TATA TECHNOLOGIES & IKGPTU is investing more than Rs 630 crore on the initiative of State Govt. so far to uplift the standard of technical education and above all a double target has been fixed for next phase, includes skill education. These facts are shared by Cabinet Minister Charanjit Singh Channi, Minister for Technical Education and Industrial Training, Govt. of Punjab. He was inaugurating the fourth state-level Job fair at I.K.Gujral Punjab

Technical University on Wednesday. Minister Channi joined this event as Chief Guest. Minister Channi said that the Punjab Government is going to organize upto 75 Mega Job fairs in this fourth phase of State Job Fairs in Total 10 places. In this phase under Scheme "Ghar-Ghar Rozgar" government's target is to provide maximum job opportunities to 10th, +12, diploma, Graduate & post graduate level students. He said that the students related to higher studies already have opportunities at their institution level but less qualified aspirants have less opportunities so Government is now focusing on it. Minister Channi shared that Tata Technologies in collaboration with IKGPTU achieved its target by establishing Center for Innovation, Invention & Incubation (CIITs) in its main campus. He personally visited the area of computer labs related to CIIT. Minister also gone through the

machines provided by TATA TECHNOLOGIES at CIIT. It is worth mentioning that to promote the technical education and Skill development in the state of Punjab, TATA Technologies & IKGPTU were signed an MoU in the month of September 2018 at a cost of Rs. 739 Crore. Under this MoU total 05 numbers of CIITs was targeted to establish in the state. These CIIT were dedicated to Sri Guru Nanak Dev Ji's 550th birth anniversary. Minister Channi also interacted to participants and representatives of companies during this mega job fair. Addressing the inaugural session, Vice-Chancellor Prof. (Dr.) Ajay Kumar Sharma informed that total 52 companies of various sectors are participating in this 04th Job fair. There are more than 2500 employment opportunities being provided by these companies. Vice-Chancellor Prof. (Dr.) Sharma said that the CIIT of Tata Technologies in collaboration with the Punjab Government at the university will be proves as milestone in the future for the University and its students. He further added that IKGPTU is ready to take more initiatives under the umbrella of State Government to develop this state as skilled and fully employed.

On this occasion, Dean RIC Dr. A.P. Singh delivered the vote of thanks to Chief Guest, also to the company's representatives and students. He also thanked to District Administration.

From University side Registrar Dr. Sukhbir Singh Ahluwalia, Director Academic Dr. Balkar Singh, Joint Registrar, Dr. RPS Bedi, Incharge Vice Chancellor Secretariat Dr. Paramjit Singh and other were present. From District Administration side ADC Avtar Singh Bhullar & District Employment Officer was also attended the event.



CHANGE OF TRENDS IN EDUCATION: STUDENTS ARE ON DEMAND SO ONLY QUALITY PERFORMERS CAN ACHIEVE: PROF. (DR.) AJAY KUMAR SHARMA

- Brain Storming Session held at IKGPTU with affiliated Colleges authorities to attract brilliant students for admissions 2019-20
- Expert lecture with subject to "Academic Leadership through Universal Human Values (UHV)" was also delivered
- University suggested to adopt new trends in admissions with fair vision

In the early era of Technical Education, it was a fact that Engineering Colleges were on demand but present scenario is totally opposite. Now, Students are on demand so only quality performers can achieve their admission targets. It is advisable to institutions to adopt new trends of admissions with a fair and quality vision. These words are of Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I.K.Gujral Punjab Technical University. He was addressing a Brain Storming Session held at University's main campus with affiliated Colleges' authorities. The agenda of this session was to start work for quality admissions in upcoming session 2019-20. In this session around 100 Chairman/Directors/Principals of affiliated colleges were present. Vice Chancellor Prof. (Dr.) Sharma said that University is always ready to work jointly to

improve admissions. He also shared statistics of last admission year's contribution including financial expenditure and other administrative decisions. Vice Chancellor got feedback from invited Chairman/Directors/Principals. On behalf of that, University's Director Academics Dr. Balkar Singh shared last year admission statistics with the house and also raised a point related to Mandatory requirements to be ensured by the colleges for students, so that students may perform in next academic session as brand ambassadors. During this session an Expert lecture with subject to "Academic Leadership through Universal Human Values (UHV)" was also delivered by Prof. (Dr.) Rajiv Sangal, Chairman, National Coordination Committee for Student Induction Program, AICTE New Delhi. He is a renowned personality in Technical Education,

who is working on subject Universal Human Values (UHV) from the last many years. Prof. (Dr.) Rajiv Sangal said that Colleges should start working to improve the behavioral change of students. He said that young minds have the power to create or develop anything for society, but due to lack of our responsibility, maximum institutions fail to understand their positive possibility. They can be admission generators but first we should take the responsibility to shape up their moral character as responsible citizen, responsible Indian and above that responsible towards his or her society. The session was ended with question-answer hour. On this occasion Dr. Sukhbir Singh Ahluwalia, Officiating Registrar IKGPTU, Deputy Registrar College Development Dr Ekonkar Singh Johal, Deputy Registrar Rajinder Dogra were also present.

SHOWING THE RIGHT PATH TO SOCIETY IS A PRIMARY RESPONSIBILITY OF EVERY EDUCATIONAL INSTITUTION: PROF. (DR.) AJAY SHARMA

- I.K. Gujral Punjab Technical University organized One Day D-addiction Awareness program

I.K.Gujral Punjab Technical University organized One day D-addiction (Anti-narcotic) Awareness program in collaboration with Health Welfare Department Kapurthala. On the inaugural of this event, message of Vice Chancellor Dr. (Prof.) Ajay Kumar Sharma was read by the moderator. It is in the message that showing the right path to society is a Primary responsibility of every educational Institution. University is directly associated with society and this is our duty to aware people about Day D-addiction. VC's message inspired the youngsters to work in the cause of social reform by creating anti-drug chains. On this occasion, Officiating Registrar, Dr. Sukhbir Singh Ahluwalia, said that University is organizing maximum awareness campaigns in surrounding areas and every possible assistance is being given to the government representatives of the district for the purpose of

promoting better works, public works. He shared that it is a matter of pride for the district Kapurthala, who has been playing a leading role in the state by continuously running awareness campaign from the last six months. Dr. Yadwinder Singh Brar, Director Incharge of the University's main campus shared his experiences and said that it is extremely important for the youth to join such projects to fulfil the big goals of social welfare. He cited the example of strengthening the relationship between teachers and students and said that their sacred relation can be accomplished with social responsibility. Joint Registrar (Students Welfare) Dr.RPS Bedi, congratulated everyone and motivated youth power to work together. He shared statistics about the University's NSS & other wings, who are participating on regular basis in various awareness projects.

Kapurthala District Health Officer Dr. Kuljit Singh said that those who make intoxicants should not be separated from the society, but considering their moral responsibility towards them, all should work to improve them, to get rid of them. Senior surgeon Dr. Gurdev Bhatti was also addressed this session. A play depicting drug-free society was also organized during the event, in which all University campus students participated. University's Kapurthala Campus Students got first position, the second position achieved by Amritsar Campus and Batala Campus was on the third place. During the event NSS Coordinator Assistant Registrar Paramjit Singh Gill, NSS Program Officer Dr. Anshu Bhasin, NSS Program Officer Dr. Sarabjit Singh, Faculty member Ajay Sharma (Batala Campus), Tarun Kanodia (Amritsar Campus) were also joined with volunteers.

IKGPTU & CSIR-CLRI WILL WORK JOINTLY TO PROMOTE TEACHING, RESEARCH AND EDUCATION

• MoU signed between both bodies to boost up the research & developmental activities

To boost up the research & developmental (R&D) activities now I. K. Gujral Punjab Technical University signed an Memorandum of Understanding (MoU) with Council of Scientific & Industrial Research (CSIR), a representing unit of Central Leather Research Institute Chennai. This MoU was signed by IKGPTU Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma and Dr. P. Saravanan, Chief Scientist of CSIR on February 27, 2019.

Briefing about the MoU Vice Chancellor Prof. (Dr.) Sharma said that after this MoU, CSIR-CLRI and IKGPTU will work jointly to promote Teaching, Research and Education. He shared that the scope of this MoU is to retain University as one of the esteemed collaborators for collaborative Academic, Research and faculty development programmes. Various activities will take place time to time depending on specific requirements of Students, Faculty as well as Industry. VC Prof. (Dr.) Sharma said that University shall send specific

requirements seeking the expertise of CSIR-CLRI for various activities. IKGPTU shall extend the access of its infrastructural as well materials evaluation facilities to CSIR-CLRI in connection with joint activity.

One this occasion, IKGPTU Dean RIC Dr. Anirudh Pratap Singh said that It is a proud moment that a PTU has signed MOU with a national body CSIR, who has primarily been engaged in R&D activities in leather and allied

areas. This institution has developed and commercialized a number of processes, products & knowledge leads in diverse areas. He shared that CSIR-CLRI has Regional Centre for Extension & Development (RCED) at Jalandhar too, which is engaged in R&D and Technical support to industry activities related to leather & allied areas. University Registrar Dr. Sukhbir Singh Ahluwalia was also present on this occasion.



IKGPTU FEMALE STAFF, FACULTY AND STUDENTS CELEBRATED I-WOMEN'S DAY WITH FULL ENTHUSIASM

Choreography on Shri Radhe-Krishnan was appreciated, NSS Division organized this event jointly with a special program committee. On the occasion of International Women's day at I.K. Gujral Punjab Technical University female staff, faculty and students shared the same platform to celebrate this day with full enthusiasm. University's NSS Division organized this event as a joint venture with the special programme committee for the first time. Cultural events Gidha, Bhangra & Song singing were performed by the faculty, staff and

students. A choreography song on Shree Radhe-Krishna was on top popularity & highly appreciated. University's Deputy Registrar Dr. Geet, Associate Professor Dr. Gagandeep Kaur and Deputy Librarian Madhu Midda remained in the Judgement panel. A special discussion session was also held in which various officers and students presented their views on the current challenges to womanhood. During the discussion jointly revealed that women are playing their leading role in creating a new society. From economics

to sports, women in all areas have done the best. Apart from mentioning the topics related to dignity and respects of women were also in the discussion. There was talk of the combined role of men and women in society too. On this occasion, University's Deputy Controller Finance Dr. Nitya Sharma, NSS Program Officer Dr. Anshu Bhasin, Dr. Rupali Batra, Dr. Rajpreet Kaur, Dr. Megha Goyal and other female employees, officers and faculty members were present



BABA NANAK JI IS A TEACHER OF UNIVERSE, ALL SHOULD WELL ADOPT HIS MESSAGE FOR ENTIRE MANKIND: PROF. (DR.) AJAY K. SHARMA

- I.K. Gujral Punjab Technical University organized One-day special seminar on the teachings of Shri Guru Nanak Dev Ji
- Event was the part of series of events organized in to celebrate Guru Nanak Dev Ji's 550th Parkash Utsav



The teachings of Shri Guru Nanak Dev Ji have an important significance for the life. We all should well adopt his message for entire mankind to our life. Guru Ji is a teacher for universe. We need to take guidance from Guru Nanak Dev Ji's message and take our life in the right direction. These inspirational words were delivered by Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I.K.Gujral Punjab Technical University during his lead address as Chief Guest on the occasion of a special seminar at University main campus. The Subject of this special seminar was on the teachings of Shri Guru Nanak Dev Ji. VC said that University is preparing a schedule to organize a series of seminars & events dedicated to the 550th birth anniversary of Shri Guru Nanak Dev Ji under NSS & academic projects.

He said that University is establishing a joint project with TATA TECHNOLOGIES at the land of Baba Nanak (Sultanpur Lodhi) as Shri Guru

Nanak Dev Center for Innovation, Innovation and Inclusion.

During this seminar, Dr. Kuldeep Singh Dheer identified the scientific inter-disciplines in Guru Nanak's hymn and said that Guru Sahib has already reached the mysteries of science hundreds years ago. Dr. Dheer was main speaker in this event.

In his research paper, a participant Manjinder Singh from Guru Nanak Dev University Amritsar discussed the difference between the life course of Guru Sahib and the current lifestyle. He said that in today's era there is a need for self-restraint in front of the words of Guru Baba Nanak Ji. Prof. Avtar Singh from Ramgarhia College, Phagwara said that instead of looking at the historic sight of Guru Sahib, there is a greater need to look at his spiritual vision. He said that the formula given in the spiritual training of Guru Sahib is relevant for all times at all times.

Dr. Amarjit Singh from Sant Baba Bhag Singh

University Adampur expressed doubts about the completeness of the review work done on the life of Guru Nanak Dev Ji and said that Baba Nanak Bani needs to look at the references to the compositions of Janam Sankhi, Bhai Gurdas ji, Bhai Nand Lal Ji etc. University Registrar Dr. Sukhbir Singh Walia shared with audience that the name of the newly developed auditorium of the university is also named after Guru Nanak Dev Ji. He said that by following the teachings of Guru Nanak Dev Ji, students can achieve the heights of success. He inspired those students to join the hymns of Guru Sahib. Prior to this, Joint Registrar Dr. R.P.S Bedi welcomed the guests who attended seminar and said that University Student Welfare Department has organized various programs dedicated to Shri Guru Nanak Dev Ji. He also shared his views on the life and philosophy of Guru Nanak Dev Ji.

Director Dr. Yadwinder Singh Brar delivered vote of thanks. Stage was conducted by Dr. Sarabjit Singh Maan, Assistant Professor Punjabi. On this occasion, Assistant Director Youth Affairs Sumeer Sharma, Deputy Registrar Dr. Geet, Assistant Professor Dr. Barinderjeet Singh, Assistant Registrar Paramjit Singh Gill & other staff, students of the University were present. On next day an educational tour of 120 students, faculty members and staff also visited the holy city Sultanpur Lodhi and visited Gurudwaras related to Shri Guru Nanak Dev ji.

CAMPUS ACTIVITIES ARE GIVING US COURAGE, WHICH MOVES WITH US THE WHOLE LIFE: PROF. (DR.) AJAY KUMAR SHARMA

- Vice Chancellor IKGPTU motivate campus students to participate maximum in campus activities

All Campus activities are giving us courage, which moves with us the whole life. So give your maximum participation in campus all types' activities. Its also important to learn team work. This is the message of Prof. (Dr.) Ajay Kumar Sharma, Vice Chancellor I.K.Gujral Punjab Technical University for the campus students. Message was delivered by main campus faculty between the students during an event namely "BURNOUT".

To boost the self-confidence of the Students, this event was organized at I.K Gujral Punjab Technical University main campus by

department of computer science and engineering. It was an Open Music & Dance Competition "BURNOUT" Students from all departments of main campus participated in this event and showcase their talent. Students performed on various dance forms like Bhangra, world popular dance form Natti, Bollywood Songs & music forms like Sufi, Punjabi folk, Himachali folk song, retro songs.

The contestants enthralled the audiences with their performances. The event was then followed by Open DJ for the audience. It was like sea of students in the playground when the DJ forced

them to dance on its tune.

In Dancing, the first, second and third prizes were taken by Prateek, Abhishek, Dheeraj (B.Tech Computer Science Engg.), Shivani Chandrana (B.Tech Electronic and Communication Engg.) and Shreyansh Kaushik (B.Tech Mechanical Engg.) respectively.

In Singing, the first, second and third prizes were taken by Anjlee (M.Sc Food Tech), Ramandeep Singh (B.Tech Electrical Engg.), Savleen Kaur (M.Sc Physics).

TOP ACADEMIC STEP TAKEN BY IKGPTU, LAUNCHED DISCOVERY SERVICES FOR ACADEMIC COMMUNITY

- After IITs, IKGPTU became first and leading university in Punjab to provide such specialised service for researchers at Knowledge Resource Centre

By taking initiative in term of academic upgradation & modernization, I.K.Gujral Punjab Technical University now launched Discovery Services for its Academic Community. This service is an online library searching tool that provides all-in-one interface for finding local library items and online subscription to open access resources.

Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma launched this service on March 18, 2019.

During addressing the ceremony Vice Chancellor Prof. (Dr.) Sharma said that it's a proud moment for us that after IITs, IKGPTU became the first and leading university in Punjab to provide such specialised service for researchers at its Knowledge Resource Centre. He shared that maximum use of Technology is need of the hour and as Technical University it is our responsibility to facilitate our stakeholder with maximum use of Technology. He said that Discovery service provides a special designed single window search engine for the researchers which saves lots of time of researchers and would also provide them better search results.

It is worth mentioning that Discovery service

also provide access to more than one lakh sixty thousand ebooks of premium publishers. It will also provide access to a large database of thesis and dissertation and access to more than 8 lakh thesis. Researchers outside IKGPTU campus can also see the resources available from IKGPTU website and if any document ebook or ejournal article required they can send request to University's Knowledge Resource Centre.

Director Academics Dr. Balkar Singh presented a brief note over the technical functioning of Discovery Services. He said that it's an online library searching tool and a revolutionary step for Library Resources Management. On this occasion Dean R&D Dr. Anirudh Pratap Singh, Deputy Librarian Madhu Midda & other University faculty members, staffs were also present.



SEMINAR ON DRUG DE-ADDICTION

Department of Management has organized a seminar in collaboration with Human Resource Development Department, on Drug De-addiction. The seminar was inaugurated by Vice Chancellor Prof. (Dr.) Ajay K. Sharma. In his opening address, VC Prof. (Dr.) Sharma emphasized the need of creating awareness amongst students and society regarding the adverse impact of drugs. The Resource Person was Dr. D.S. Bhullar, an Eminent expert in this field. Dr. D.S. Bhullar has been serving as Associate Professor, Forensic Medicine & Toxicology, Govt. Medical College (RH), Patiala. The seminar was attended by the faculty, staff and students of various departments of University. The seminar was followed by a very interactive Question-Answer session, which was concluded with a vote of thanks by HOD Management Department Dr. Harmeem Soch.



ACHIEVEMENT & ACTIVITIES OF UNIVERSITY DEPARTMENTS

Planning and External Programmes

International Collaboration

University in its continuous efforts to provide world-class exposure to its students has collaborated with renowned foreign Universities/Institutions. These academic collaborations mainly focus on following areas: -

- Student exchange programmes
- Teaching pedagogy exchange of ideas
- Joint research programmes

| Sr. No. | Name of University/Institute | Country | Area of Collaboration |
|---------|-----------------------------------|---------|---|
| 1. | Concordia University of Education | Canada | Under the agreement signed, Students from IKGPTU can go for training to Concordia University of Edmonton, Canada for an academic Year. Students need not to pay any tuition fee for this training to Canadian University. |
| 2. | University of the Fraser Valley | Canada | Under the agreement Students pursuing BCA Course in IKGPTU can join Bachelor of Computer Information System (BCIS) Course at University of the Fraser Valley, Canada after completing 2 years at IKGPTU System under pathway program. |
| 3. | Thompson River University | Canada | University has Started Bachelor of Technology in Software Engineering in Collaboration with TRU, Canada. Students shall study first year in IKGPTU and there after shall have the option to join TRU Canada on merit basis |

University has collaborated with following Foreign Universities also and deliberations are on with these Universities to start courses in collaboration to provide international exposure to IKGPTU students.

| | |
|--|--|
| 1. Yorkville University, Canada | 6. Vancouver Island University, Canada |
| 2. University Canada West, Canada | 7. Australia Institute of Business and Technology, Australia |
| 3. Trent University, Canada | 8. Nottingham Trent University, UK |
| 4. Tribhuvan University, Nepal | 9. Medicine Hat College, Canada |
| 5. Seneca College of Applied Arts and Technology, Canada | |

International Students Cell

In order to cater to the specific requirements of International Students University has established an International Student Cell. Foreign nationals enrolled in various courses of IKGPTU can get all types of assistance through this cell.

Constitution of IQAC

University has reconstituted its Internal Quality Assurance Cell(IQAC) with an objective to further strengthen itself academically. IQAC shall meet at regular intervals to draft various policies in the interest of students.

Preparations for NAAC accreditation

University has started its preparations for getting accreditation from NAAC (National Assessment and Accreditation Council).

Research & Development

Department of R&D in association with KEP Technologies, New Delhi conducted one day joint workshop on "Recent Advancement in Thermal Analysis" in the department of R&D on 02-11-2018. Large number of faculty and students from IKGPTU Main Campus attended this workshop.

| | |
|--|-----|
| Number of viva-voce conducted | 81 |
| Number of Pre-Thesis presentations conducted | 60 |
| Number of Synopsis presentations conducted | 22 |
| Paper Published | 176 |
| Number of Admission in Summer-2018 | 34 |
| Number of New Supervisors approved | 18 |

COMPUTER SCIENCE & ENGINEERING

B.Tech. CSE 3rd Year students organized different events in the department from 25-09-2018 to 27-09-2018. B.Tech. CSE 3rd Year students have organized different events in the department from 25-09-2018 to 27-09-2018 to encourage the talent and skills of the students.

- 1) KEY MASTER
- 2) EXTEMPORE
- 3) COLLAGE MAKING
- 4) FREE HAND SKETCHING
- 5) THE CODER
- 6) IT QUIZ



2-days Workshop on Android App Development Taking another step towards Industry Institute Interaction for honing problem-solving skills of students, Department of Computer Science and Engineering of IKGPTU, Kapurthala organized 2-days Workshop on Android Application Development in collaboration with i3 Indiya Technologies, New Delhi. i3 Indiya has academia collaboration with IITs, NITs and MNCs such as Infosys and TCS for providing hands on training in recent technologies. The students of B. Tech (CSE) and M.Tech (CSE) participated in the workshop enthusiastically.

MACHINE LEARNING – Currently, the Hottest Technology in the world!

CSE Dept. Organized one day workshop on machine learning on 24-Sep-2018. The workshop is being conducted by Mr. Puneet Jindal (Head of Data Science, RATEGAIN) and Ms. Shilpa Garg (Technical Consultant, GenPact).



They were provided theoretical as well as hands on practice on Android Application Development. They were given training on Android Manifest file, layouts, XML, GUI design and mini projects on Android. The participants were sensitized with underlying structure of iOS as well.

Dr. Monika Sachdeva, HOD, CSE Department greeted the experts and formally introduced the workshop. She highlighted evolution of application development and explained paradigm shift towards mobile app development, contemporary to the need of IT

Guest Lecture by Mr. Sahil Gupta – Senior Project Manager at Qualcomm

Mr. Sahil Gupta (Senior Program Manager at Qualcomm) interacted with students and discussed about next generation Mobiles, Artificial Intelligence, pre-silicon & post-silicon validation of products, career prospects etc.



world.

She thanked Dr. Amanpreet Singh, Registrar for not only encouraging such academic events but also extending personal involvement at every step for successfully organizing the workshop. She also expressed gratitude for motivation provided by Dr. Balkar Singh, Dean Academics. The coordinator of this workshop, Dr. Pooja Sharma and other faculty members Er. Rajdeep Singh, Er. Dinesh Gupta, Dr. Anshu Bhasin, Alok Singh Khushwaha and programmer Mr. Ankit Kapila worked very hard for the success of this event.



Paper Publications & Presentation Details of Faculty

Prof. (Dr.) Ajay K. Sharma

- Prateek Gupta, Ajay K. Sharma
"Clustering-based Heterogeneous Optimized-HEED Protocols for WSNs"
Soft computing: METHODOLOGIES AND APPLICATION, Springer-Verlag GmbH Germany, Part of Springer Nature 2019, Published online: April 24, 2019. SCI, IF: 2.37
- Preeti Verma, Ajay K. Sharma, Arti Noor, Alok Kumar Mishra and Vinay S. Pandey
"A Novel approach for noise tolerant energy efficient TSPC dynamic circuit design", Analog Integrated Circuits and Signal Processing, Published online: April 23, 2019. SCI, IF: 0.80
- Jaspinder Kaur, Rikmantra Basu and Ajay K Sharma
"Effect of separate confinement hetero-structure layer on tunnel injection transistor laser-based transmitter for high-speed optical communication networks", Optics and Laser Technology, vol. 115, pp. 268-276, 2019. SCI, IF: 2.503
- Vibha Nehra, Ajay K. Sharma and Rajiv K. Tripathi
"NMR inspired energy efficient protocol for heterogeneous wireless sensor network", Wireless Networks: The Journal of Mobile Communication, Computation and Information, February 21, 2019. SCI, IF: 1.98 (online)
- Rohit Kumar, Sumit J. Darak, Manjesh K. Hanawal, Ajay K. Sharma, and Rajiv K. Tripathi
"Distributed Algorithm for Learning to Coordinate in Infrastructure-Less Network", IEEE Communication Letters, Vol. 23, No. 2, February 2019. SCI, IF: 1.988
- P Gupta, Ajay K. Sharma
"Energy Efficient Clustering Protocol for WSNs based on Bio-Inspired ICHB Algorithm and Fuzzy Logic System", Evolving Systems, Springer-Verlag, GmbH Germany, Part of Springer Nature 2018, Published online: October 10, 2018. SCI, IF: 1.41
- Sandeep Verma, Neetu Sood, Ajay K. Sharma
"Design of a Novel Routing Architecture for Harsh Environment monitoring in Heterogeneous WSN", The Institution of Engineering and Technology, IET Wireless Sensor Systems, Vol. 8, No. 6, pp. 284-294, December 2018.
- Preeti Verma, Vinay Shanker Pandey, Ajay K. Sharma and Arti Noor
"Estimation and Analysis of Novel Dynamic Body Biased TSPC Design Technique", Mapan Springer, Accepted, 2018. (DOI: 10.1007/s12647-018-0275-3) (SCI)
- Mohit Sajwan, D Gosain, Ajay K. Sharma
"Hybrid energy-efficient multi-path routing for wireless sensor networks", Computers & Electrical Engineering 67, 96-113, March 2018. SCI, IF: 1.570
- R Mishra, V Jha, R K Tripathi, Ajay K Sharma
"Corona based node distribution scheme targeting energy balancing in wireless sensor networks for the sensors having limited sensing range", Wireless Networks, Springer Science & Business Media, LLC, part of Springer Nature 2018 (online)
- P Gupta, Ajay K. Sharma
"Designing of energy efficient stable clustering protocols based on BFOA for WSNs", Journal of Ambient Intelligence and Humanized Computing, Pages 1-20, 2018. IF: 1.588 SCI
- A K Sohal, Ajay K Sharma, Neetu Sood
"Enhancing Coverage Using Weight Based Clustering in Wireless Sensor Networks", Wireless Personal Communications, Vol. 98 (4), Pages 3505-3526, 2018. IF: 0.951 SCIE
- M Bharti, M Kumar, Ajay K. Sharma
"A Novel Technique to Detect Code for SAC-OCDMA System", Journal of Optical Communications, Walter de Gruyter GmbH, Vol. 39 (2), Pages 215-221, 2018.
- Mohit Sajwan, D Gosain and Ajay K. Sharma
"CAMP: Cluster Aided Multi-path Routing Protocol for Wireless Sensor Networks", Wireless Networks: the journal of Mobile Communications, Computation and Information, Springer US, Pages 1-18, February 2018. SCI, IF: 1.584
- R Mishra, V Jha, RK Tripathi, Ajay K. Sharma
"Design of Probability Density Function Targeting Energy Efficient Network for Coalition Based WSNs", Wireless Personal Communications, Vol. 99 (2), Pages 651-680, 2018. IF: 0.951 SCIE

Dr. Monika Sachdeva

- Sunny Behl, Krishan Kumar, Monika Sachdeva
"D-FACE: An anomaly based distributed approach for early detection of DDoS attacks and flash events", Journal of Network and Computer Applications 1084-8045 Volume 111, 2018, Pages 49-6, SCI Impact Factor: 3.5
- Sunny Behl, Krishan Kumar, Monika Sachdeva
"D-FAC: A novel \square -Divergence based distributed DDoS defense system", Journal of King Saud University: Computer and Information Sciences (JKSUCIS), 1319-1578 (Scopus indexed)
- Sunny Behl, Krishan Kumar, Monika Sachdeva
"A generalized detection system to detect distributed denial of service attack and flash events for information theory metrics", Turkish Journal of Electrical Engineering & Computer Sciences, 1303-6203, SCI Impact Factor: 0.578
- Sunny Behl, Krishan Kumar, Monika Sachdeva
"A Comprehensive Survey of Distributed Defense Techniques against DDoS attacks" International Journal of Computer Science and Network Security (IJCSNS), 1738-7906, VOL.9 No.12, Pages 7-15
- Vishal Arora, Vishal Sharma, Monika Sachdeva
"On QoS evaluation for ZigBee incorporated Wireless Sensor Network (IEEE 802.15. 4) using mobile sensor nodes", Journal of King Saud University-Computer and Information Sciences}, 2018 ((Scopus indexed)
- Reenkanwal, Monika Sachdeva
"Detection of Selective Forwarding (Gray Hole) Attack on LEACH in wireless sensor networks", Advances in Intelligent Systems and Computing, vol 638., 2018, Springer, Singapore
- Priya Chawla, Monika Sachdeva
"Detection of Hello Flooding Attack on LEACH in wireless sensor networks", Advances in Intelligent Systems and Computing, vol 638., 2018, Springer, Singapore
- Shivam Dhuria, Monika Sachdeva
"Detection and Prevention of DDoS Attacks in Wireless Sensor Networks", Networking Communication and Data Knowledge Engineering, 2018, Springer
Nitish Khanna, Monika Sachdeva
"A comprehensive taxonomy of schemes to detect and mitigate blackhole attack and its variants in MANETs", Computer Science Review, Volume -32, Pages- 24-44, Elsevier
- Vishal Kumar Arora, Vishal Sharma, Monika Sachdeva
"A multiple pheromone ant colony optimization scheme for energy-efficient wireless sensor networks", Soft Computing, Pages 1-11, Springer Berlin Heidelberg, SCI Impact Factor- 2.367
- Vishal Kumar Arora, Vishal Sharma, Monika Sachdeva
"ACO optimized self-organized tree-based energy balance algorithm for wireless sensor network", Journal of Ambient Intelligence and Humanized Computing, Pages 1-13, Springer Berlin Heidelberg, SCI Impact Factor- 1.423

Dr. Dinesh Gupta

- D. Gupta, H.J.S. Sidhu
"Performance Evaluation of ACO and PSO Task Scheduling Algorithms in Cloud Environment", International Journal of Computer Sciences and Engineering(2347-2693), Vol.6, Issue.3, pp.161-164, 2018
- D. Gupta, H.J.S. Sidhu,
"Hybrid Task Scheduling Algorithm Based on ANT Colony Optimization and Particle Swarm Optimization for Cloud Environment", International Journal of Computer Sciences and Engineering (2347-2693), Vol.6, Issue.2, pp.324-328, 2018.
- D. Gupta, H.J.S. Sidhu,
"Improved Resource Aware Hybrid Meta-Heuristic Algorithm For Task Scheduling In Cloud Environment", International Journal of Computer Sciences and Engineering (2347-2693), Vol. 6, Issue 10, pp. 705-711, 2018

Dr. Pooja Sharma

- Monika, P. Sharma
"Survey on Prediction and Analysis of Diabetic Data using Machine Learning Techniques", International Journal of Computer Sciences and Engineering, 6 (6) 2018, 1032-1038
- Monika, P. Sharma
"Prediction and Analysis of Diabetic Data using Machine Learning Techniques", Journal of Emerging Technologies and Innovative Research 5 (7) 2018, 828-834
- S. Soni, P. Sharma
"Review of Hybrid Intrusion Detection System", International Journal of Computer Sciences and Engineering, 6(6) 2018, 1100-1104
- S. Soni, P. Sharma
"Hybrid Intrusion Detection System Model Using Improved J48 And

- H. Singh, D. Gupta, A.K.S. Kushwaha,
"A Recent Survey on Multiclass Object Recognition and Classification based on Machine learning methods", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) (2394-2320), Vol. 5, Issue 2, February, 2018.

Dr. Anshu Bhasin

- Anshu Bhasin, Manjit Singh
"Using Meta-heuristic Approaches in Web Document Clustering in Web Search" International Journal of Pure and Applied Mathematics, Volume 119 No. 15 2018, 2853-2861, Scopus indexed
- Anshu Bhasin, Rajwant Kaur
"A Recent Survey of Different Video Compression Methods" International Journal of IT & Knowledge Management (ISSN: 0973-4414) www.csjournals.com Volume 11 Issue 2 pp. 103-109 Jan 2018 - June 2018, UGC indexed

Improved K-Means Clustering Algorithm", Journal of Emerging Technologies and Innovative Research 5 (7) 2018, 407-413
- Parveen Kakkar, Pooja Sharma, Krishan Kumar
"Security Methods against TCP SYN Flooding DDoS Attacks in Wireless Networks- A Survey", International Journal of current emerging & Scientific Research, February 2018. (UGC Approved Journal)
- Parveen Kakkar, Pooja Sharma, Krishan Kumar
"Vulnerability Assessment of Routing Protocols in MANET", Research Review International Journal of Multidisciplinary, Nov. 2018, ISSN: 2455:3085 (Online). (UGC Approved Journal)
- Parveen Kakkar, Pooja Sharma, Krishan Kumar
"Impact of Mobility Speed on different DDoS Attack Detection Techniques in MANET", Wulfenia Journal multi-disciplinary ISI journal, ISSN: 1561-882X, SCIE Impact Factor 2.0, November 2018

Dr. Alok K. Singh Kushwaha

- Alok K. Singh Kushwaha, Jagwinder, Roshan Singh, Rajeev Srivastava
"Depth based Enlarged Temporal Dimension of 3D deep Convolutional Network for Activity Recognition", Multimedia Tools and Applications, Springer, pp. 1-16, 2018. (Published) [SCI Impact Factor – 1.53]
- Alok Kumar Singh Kushwaha, Chandani, Jagwinder
"Deep Learning Trends for Video Based Activity Recognition: a Survey", International Journal of Sensors, Wireless Communications and Control (SWCC), vol. 8, Issue 3, 2018 (Published). (Scopus Index Journal)
- Alok Kumar Singh Kushwaha, Harpreet Singh, Dinesh Gupta
"A Recent Survey on Multiclass Object Recognition and Classification based on Machine learning methods", International Journal of Engineering Research in Computer Science and Engineering, Vol. 5, Issue 7, July 2018. (Published)
- Alok Kumar Singh Kushwaha, K. Kaur
"Improved Particle Filter Approach for Multiple Object Tracking in Crowd Environment", International Journal of Computer Sciences and Engineering, volume-6, Issue-7, Page no. 605-609, http://www.ijcseonline.org/full_paper_view.php?paper_id=2481
- Alok Kumar Singh Kushwaha, Jagwinder Dhillon and Chandani
"A Recent Survey for Human Activity Recognition based on Deep Learning Approach" Fourth International Conference on Image Information Processing (ICIIP), Shimla, pp. 1-5, 2018. (Published)
- Alok Kumar Singh Kushwaha, Rajat Khurana and Chandani
"Delving Deeper with Dual-Stream CNN for Activity Recognition", International Conference on Emerging Trends Communication, Computing and Electronic, University of Allahabad, 2018. (Published)
- Alok Kumar Singh Kushwaha, Kamaljit Kaur and Rajat Khurana

- "Deep Survey on Visual Object Tracking in Surveillance Environment", 3rd IEEE International Conference on Research in Intelligent and Computing in Engineering, (Accepted), 2018.
(Published) <https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8488872&filter=issuelid%20EQ%20%228509031%22&pageNumber=2>
- Alok Kumar Singh Kushwaha, and Rajat Khurana
"A Deep Survey on Human Activity Recognition in Video Surveillance", 3rd IEEE International Conference on Research in Intelligent and Computing in Engineering, (Accepted), 2018. (Published)
- Alok Kumar Singh Kushwaha, Harpreet Singh, Dinesh Gupta
"Multiclass Object Recognition and Classification using Boosting Technique" IEEE 9th International conference on computing, communication and networking technologies (ICCCNT), IISC Bengaluru, 10-12 July 2018. (Published)
- Alok K. Singh Kushwaha, Jagwinder
"Temporal Extension of 3D convolution on Depth Sequences for Activity Recognition", 4th International Conference on Computing, Communication, Control And Automation (ICC3A-2018), Aug 6-18, 2018, PCCOE, Pune, India. (Published)
- Alok Kumar Singh Kushwaha, Rajat Khurana
"Deep Learning Approaches for Human Activity Recognition in Video Surveillance - A Survey", First International Conference on Secure Cyber Computing and Communications, NIT Jalandhar, December 15-17, 2018. (Accepted)
- Alok Kumar Singh Kushwaha, Sandeep Kaur
"A Comparative study of various Video Tampering detection methods", First International Conference on Secure Cyber Computing and Communications, NIT Jalandhar, December 15-17, 2018. (Accepted).

ELECTRICAL ENGINEERING

Academic Achievements of Department

- One day Industrial Visit of pre-final year students at ESS ESS KAY Engineering Corporation (P) Limited, Kapurthala on October 18, 2018.
- On line paper marking for end semester examination May 2018.

Paper presented and published by post graduate students:

- Sourabh and Gagandeep Kaur "Congestion Management of Power Transmission Lines: A Survey on Techniques, Methodology and Approaches", International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering- (ICRIEECE), KIIT, Bhubaneswar, India- July 17-28, 2018
- Baldeep Singh Nagi and Gagandeep Kaur "Congestion Management in Deregulated Power Systems: A Review", International Conferences in Advances in Computing, Communication and Networking (ICACCCN) at Galgotias College of Engineering & Technology, Noida, India- October 11-12, 2018
- Swarupa Mishra and Yadwinder Singh Brar "Economic Dispatch using MATLAB" IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES) at Delhi Technological University, Delhi- October 22-24, 2018.

- Harpreet Singh and Deepika Bhalla "Application of Dynamic Programming to Unit Commitment", All India Seminar on Renewable Energy Technologies: Perspective and Challenges, at BBSBEC, Fatehgarh Sahib, Punjab- November 16-17, 2018.

Publication in International Journal :

- Ashish Sharma, Gagandeep Kaur "Assessment of Capacitance for Self-Excited Induction Generator in Sustaining Constant Air-Gap Voltage under Variable Speed and Load" in Energies, 11(10), 2018, ISSN No. 1996-1073
- Ashish Sharma, Gagandeep Kaur "Methods of Performance Evaluation of Induction Generators" in Journal of Emerging Technologies and Innovative Research, 5(9), 2018, ISSN No. 2349-5162
- Deepika Bhalla, R.K.Bansal and H.O.Gupta "Analyzing Short Circuit Forces in Transformer for Double Layer Helical LV Winding using FEM", in International Journal of Performability Engineering, 14(3), 2018.

Course work and other special academic program:

Faculty attended one day workshop on NAAC Accreditation at IKGPTU Main Campus, Kapurthala on October 6, 2018.

MECHANICAL ENGINEERING

Paper Publications & Presentation Details of Faculty

- Munish Mehta, Jujhar Singh, Manpreet Singh
"Reliability Analysis of Sheet Manufacturing Unit of a Steel Industry" Future Learning Aspects of Mechanical Engineering (FLAME-2018), Department of Mechanical Engineering, Amity University, Noida, Uttar Pradesh, India, 3 – 5 October, 2018, pp 163 (ISBN: 978-93-5321-379-4)
- Mithlesh Sharma, Deepak Kumar Goyal, Gagandeep Kaushal,
"Tribological investigation of HVOF sprayed coated turbine steel under varied Operating conditions", Materials Today: Proceedings, Elsevier (ISSN:2214-7853, Scopus Indexed Journal) Paper accepted for publication

Details of attended Course Work, Other special academic program :

| Sr. No. | Name of Faculty | Academic Programme | From | To | Institute/organization |
|---------|------------------------|--------------------|----------|----------|----------------------------------|
| 1 | Dr. Deepak Kumar Goyal | Orientation Course | 21.05.18 | 16.06.18 | H.R.D.C., Punjabi Univ., Patiala |
| 2 | Dr. Amoljit Singh | Orientation Course | 13.11.18 | 10.12.18 | H.R.D.C., Punjab Univ., Chd. |
| 3 | Dr. Manoj Mittal | Orientation Course | 13.11.18 | 10.12.18 | H.R.D.C., Punjab Univ., Chd. |
| 4 | Dr. Vivek Aggarwal | Orientation Course | 13.11.18 | 10.12.18 | H.R.D.C., G.N.D.U., Amritsar |
| 5 | Dr. Amit Bansal | Orientation Course | 13.11.18 | 10.12.18 | H.R.D.C., G.N.D.U., Amritsar |

Departmental Activities.

- Celebrated Teachers' Day on 5th September, 2018.
- Celebrated Engineers' Day on 18th September, 2018.
- Organised N.S.S. camp on 4th October, 2018.
- Organised a One Day Workshop for the students on Mechatronics and Robotics on 8th October, 2018.
- Organised an Industrial Visit to Sonalika International Tractors Ltd on dated 11th October, 2018.
- Students of Mechanical Engineering Organised Freshers party for the students of 1st year on dated 12th October, 2018.
- Organised a Two Days Workshop for the students on Automation Using PLC during 1-2, November, 2018.
- Organised a One Day Workshop for the students on Automobile Emission Control Techniques on 19th November, 2018.

Papers in International Journals:

- Rohit Rampal, Tarun Goyal, "Comparing the SiC-iron, Al₂O₃-iron powder combination using microwave sintering in terms of surface finish", International Journal of Latest Trends in Engineering and Technology, Vol. 9, Issue 4, pp. 001-005 (2018).
- Tarun Goyal, T.S. Sidhu, R.S. Walia, Rajeev Dang, "Characterization of cold sprayed copper coatings on Brass", International Journal of Surface Engineering and Materials Technology, July-December 2018.

Papers in International Conferences

- Tarun Goyal, R.S. Walia, T.S. Sidhu, "Investigation on multiple parametric optimization of cold sprayed coatings process", Proceedings of M S & T 18 Conference, Oct 14-18, 2018, Columbus, Ohio, US. ISBN-10: 0-87339-768-1, ISBN-13: 978-0-87339-768-1.

- Tarun Goyal, T.S. Sidhu, R.S. Walia, P.J. Singh, "Characterization of cold sprayed copper coatings on Brass", Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'18), 14-16 November 2018, SSG PU Campus, Hoshiarpur.

Books Authored (International Publishers)

- Machining of die steel- H11 using EDM electrode, LAP Lambert, Academic Publishing, Latvia, European Union.
- Solar Air Pre-heater Design, Vol I, LAP Lambert, Academic Publishing, Latvia, European Union.
- Solar Air Pre-heater Design, Vol II, LAP Lambert, Academic Publishing, Latvia, European Union.

Details of attended Course work or any other special academic program by the faculty.

Attended 28 days Orientation course at UGC (HRDC) Academic Staff College, Punjab University Chandigarh from 13 November 2018- 10 December 2018.

MATHEMATICAL SCIENCES

Academic Achievements of Departments/Campus.

Two students completed their Ph.D in Department of Mathematical Sciences under the guidance of Dr. Ashish Arora and Dr. R.K Narula and one more has submitted the thesis.

List of Publications

- Reflection and transmission of inhomogeneous waves in a composite porous solid saturated by two immiscible fluids; Geophysical Prospecting, 2018, 66, 182–196; doi: 10.1111/1365-2478.12542, ISSN:1365-2478
- Effect of pore connectivity on reflection amplitudes of an inhomogeneous wave in a composite porous solid saturated by two immiscible fluids; Journal of Earth System Sciences, 2018, 127: 59 : doi.org/10.1007/s12040-018-0962-z; Print ISSN: 0253-4126
- Gurjinder Singh and Higinio Ramos (2018), "An optimized two step hybrid block method formulated in variable step-size model for integrating $y''=f(x,y,y')$ numerically", Numerical Mathematics: Theory, methods and Applications, SCI indexed.
- Megha Goyal (2018), "An analogue of Euler's identity and split perfect partitions", Bulletin of Australian Mathematical Society, ISSN 0004-9727, SCI indexed, Publisher- Cambridge University Press, UK.
- Megha Goyal and M. Rana (2018), "On central tendencies of the parts in certain

Details of National and International Projects

- Indian Society of Philosophical Research (ICPR), Government of India, has sanctioned a research grant for the project to the Department of Mathematical Sciences on 'Mathematical and Philosophical foundations of Ancient Indian Yantras'. This project has been jointly sanctioned to Dr. Ashish Arora, Associate Professor of Mathematics and Dr. Jagmeet Bawa, Assistant Professor of Value Education. This project is unique of its kind establishing bridge between Mathematics and its Philosophy. This project may reveal the ancient Indian wisdom, the historical growth of Mathematics in India and the various aspects. of Indian society.
- The Department of Mathematical Sciences has also completed successfully the research project sanctioned by Council of Scientific and

restricted partitions", Mathematical Reports, 70(3), 291-300 ISSN 1582-3067, SCI indexed Publisher- Romanian Academy, Romania.

National International Visits:

- Dr Ashish Arora presented research work in international conference conducted by International Society of Industrial and Applied Mathematics (ISIAM). 2-4, February-2018 at GNDU.
- Dr Megha Goyal presented paper "Anti-hook Differences and Gollnitz-Gordon identities" in international conference "International Congress of Mathematics" (ICM 2018) held at Rio de Janeiro, Brazil during 1-9 August 2018. (Financial support by the organizers of ICM-2018)
- Dr Megha Goyal was awarded "BEST PUBLICATION 2018 AWARD" for the invited talk "On Combinatorial Extensions of Some Ramanujan's Mock Theta Functions" in the "International Conference on Special Functions & Their Applications" held at Amal Jyothi College of Engineering, Kottayam, Kerala during November 22-24, 2018.
- Dr Ashish Arora participated in Advanced Training school of Mathematics (ATM) on 'Continuum Mechanics: Principles and Applications', sponsored by National Board of Higher Mathematics (Department of Atomic Energy, GOI) and a joint venture of IIT, Bombay and TIFR, Bangalore at Panjab University Chandigarh from 19-23, November-2018.

Industrial research (CSIR) on 'Wave propagation in composite solid matrix containing multiple fluids.' The project was sanctioned by CSIR to Dr. Ashish Arora, Associate Professor. The Mathematical Models depicting real geophysical situations were developed and the wave propagation was studied. The outcomes of the project are very significant and applicable in Seismic and Reservoir Engineering.

Classroom Activities

- Seminars have been organized in the department for the benefit of the students.
- Students participated actively in the Mathematical Quiz Competitions organized by the department on various occasions.

CHEMICAL SCIENCES

Departmental Academic Achievements

- Department of Chemical Sciences has its vision to address the challenging and important questions in the physical and life sciences of current era using its multi-disciplinary vision, its culture of synergistic collaboration and translational science, and its excellence in the physical, medical and engineering sciences. Chemical Sciences Department continues to explore the new fields and frontiers and, with them, fundamentally new and innovative ways to address the increasingly complex scientific, health, energy and environmental problems of our time. The department is working consistently right from its year of inception (2015) to achieve its objectives and working according to its vision. The department has currently running its fourth batch of M.Sc. The department has five fully equipped laboratories with state of the art facilities to provide the students with hands of experience. The department is also leading in researches with more than 45 publications to its credits in the last 5 years (List attached). Two students have been awarded their Ph.D. degrees with publications in high impact journals. They brought laurels to the department as one of the student has been awarded post-doc fellowship in Turkey and other candidate has been placed in Dr. Reddy's lab with a package of 12.5 Lac per annum. Currently there

are seven students enrolled for Ph.D. Department is inspiring and educating postgraduate students in chemistry and molecular-driven sciences in the core concepts of chemistry and the scientific methodology. Department is also working on the development of more-economic and greener strategies for chemical synthesis and production.

- Department is also working in the area of Green technology and energy. A team is working on the Solid Oxide Fuel Cell components. The purpose is to reduce the working temperature of SOFC. The electrolytes and anodes are being prepared at low cost which can operate at intermediate temperature of 500 deg C.
- The microwave processing is being used to fabricate the SOFC components. A fully equipped microwave processing lab with ultra-modern facilities is also available in the Department of Chemical Sciences. This lab is equipped with many Instruments to process the material like Ball Mill, Electric furnace Atmospheric controlled Tubular furnace upto 1600°C, Atmospheric controlled Microwave furnace upto 1600°C, Hydraulic press, polishing machine, Two Digital Balance upto 5-digit and 4-digit, Hot air oven, centrifugation Machine. Many research students are working in this area in this lab.

Faculty Publications:

- Prabhpreet Singh, Sanjeev Dhawan, Parvesh Singh, Harminder Singh, Rashmi Sharma, Gaurav Bhargava, Subodh Kumar "Fluorometric differential detection of Zn²⁺ and Cu²⁺ by picolylamine appended pyrimidinone-based receptor: Application in mimicking TRANSFER and INH logic gate" *Journal of Photochemistry and Photobiology A: Chemistry*, 2018, 353, 150-158
- Prabhpreet Singh, Lalit Singh Mittal, S Kaur, S Kaur, Gaurav Bhargava, Subodh Kumar, "Self-assembled small molecule based fluorescent detection of serum albumin proteins: Clinical detection and cell imaging" *Sensors and Actuators B: Chemical*, 2018, 255, 478-489
- Prabhpreet Singh, Kapil Kumar, Gaurav Bhargava, Subodh Kumar, "Controllable supramolecular self-assemblies (rods-wires-spheres) and ICT/PET based perylene probe for palladium detection in solution and solid state" *New Journal of Chemistry*, 2018, 42, 1010 - 1020
- Bilash Kuila, Maninderjeetkaur, Prabhpreet Singh and Gaurav Bhargava*, "Transition Metal Catalysed [3+2+2] Cycloaddition Reactions, *European Journal of Organic Chemistry*, 2018, 853-868
- Bilash Kuila, Kapil Kumar, Dinesh Mahajan, Prabhpreet Singh, Gaurav Bhargava Facile and Chemoselective Acetylenic Ester Promoted Tandem Ring opening and cyclizations of Dienyl Thiazolidin-4-ones: Synthesis of Functionalized Pyridine-2-Carboxylates, *Synlett*, 2018, 29(04), 509-512
- Harminder Singh, Gaurav Bhargava, Subodh Kumar, Prabhpreet Singh Quadruple-signaling (PET, ICT, ESIPT, -C=N- rotation) mechanism-based dual chemosensor for detection of Cu²⁺ and Zn²⁺ ions: TRANSFER, INH and complimentary OR/NOR logic circuits, *Journal of Photochemistry and Photobiology A: Chemistry*, 2018, 357, 175-184
- Prabhpreet Singh, Harminder Singh, Gaurav Bhargava, Subodh Kumar, "Microstructural (self-assembly) and optical based discrimination of Hg₂⁺, CN- and Hg(CN)₂ ion-pair; Hg₂⁺ promoted-ESIPT assisted guanylation of thiourea" *Sensors & Actuators: B. Chemical*, 2018, (in press)
- Prabhpreet Singh, Gaurav Bhargava, Subodh Kumar "Dissymmetric Bay Functionalized Perylenediimides" *Synlett*, 2018, DOI: 10.1055/s-0037-1610186
- Harminder Singh, Rashmi Sharma, Gaurav Bhargava, Subodh Kumar, Prabhpreet Singh "AIE+ESIPT based red fluorescent aggregates for visualization of latent fingerprints" *New Journal of Chemistry*, 2018, (accepted), DOI no 10.1039/C8NJ02646G
- Prabhpreet Singh, Harminder Singh, Rashmi Sharma, Gaurav Bhargava, Subodh Kumar, "ESIPT Based Dual Chemosensor for Sequential Detection of Cd²⁺/Zn²⁺ and Nucleoside Triphosphates in Water: Application in Logic Gates" *chemistry select*, 2018, 3 (27), 7840-7848
- Prabhpreet Singh, Lalit Singh Mittal, Kapil Kumar, Poonam Sharma, Gaurav Bhargava, Subodh Kumar, "Multifunctional metallo-supramolecular interlocked hexagonal microstructures for the detection of lead and thiols in water" *Chem. Commun.*, 2018, 54, 9482-9485.
- Yogesh Kumar, Preet Mohinder Singh Bedi, Prabhpreet Singh, Adebayo A. Adeniyi, Ashona Singh-Pillay, Parvesh Singh and Gaurav Bhargava, "Thermal [2+2] Cycloaddition of Butadienylketene with Imines/1-Azadienes: A One Pot, Domino Approach for α -Alkylidene- β -lactams and their computational studies and Antimicrobial evaluation" *ChemistrySelect*, 2018, 3, 9484 –9492
- Priyanka Sharma, Maninderjeet Kaur Mann, Prabhpreet Singh, and Gaurav Bhargava, "Oxa-Michael Addition reactions of 3-hydroxy-2-azetidinones: Synthesis of functionalized 1,3,4-Trisubstituted 2-Azetidinones and functionalized amino esters" 2018 (Communicated)
- Amit Anand, Vipan Kumar, Prabhpreet Singh and Gaurav Bhargava, "Transition metal catalyzed [6+2] cycloadditions" *Eur. J. Org. Chem.*, 2018, Communicated
- Prabhpreet Singh, Kapil Kumar, Harminder Singh, Ramesh Singh Chilwal, K. B. Joshi Vanita Vanita, Gaurav Bhargava, Subodh Kumar Fibre-to-disc self-assembly transformation in coronenediimide: Applications of red fluorescent aggregates for visualization of latent fingerprints and bioimaging, 2018, (Communicated)
- Rayees Ahmad Naikoo, Prabhpreet Singh and Gaurav Bhargava "Intramolecular Cyclizations of Functionalized 5-Alkylidene /Arylidene-amino-3H-pyrimidin-4-ones: An Efficient and Diastereoselective Synthesis of Pyrimido[4,5-b][1,4]benzodiazepin-4-ones" *Organic and Biomolecular Chemistry*, 2018, communicated
- Bilash Kuila, Dinesh Mahajan, Prabhpreet Singh and Gaurav Bhargava, "Transition metal-catalyzed [3+2] Cycloaddition Reactions of functionalized Cyclopropanes, *Organic and Biomolecular Chemistry*, 2018, (Communicated).
- Nisha, Chetan Sharma, Rupesh Kumar and Yogesh Kumar Regioselective Copper(I)-Catalyzed Ullmann Amination of Halopyridyl Carboxylates using Sodium Azide: A Route for Aminopyridyl Carboxylates and their Transformation to Pyrido[2,3-d]pyrimidin-4(1H)-ones *Chemistry Select* 2018, 3, 4822.
- Simran Harsh, Mohamad Yusuf, Rohit Sharma, Yogesh Kumar, and Rupesh Kumar Concentrated solar radiation promoted unconventional greener approach: solvent-free benign synthesis of functionalized benzimidazoles *ARKIVOC* 2018, vii, 1-12, DOI: .
- Chetan Sharma; Kanchan L. Singh; Anirudh P. Singh; Vandana Naithani; Payal Sharma; Sonia Mago and Ravinder Kumar Chadha. (2018). Microwave and conventional processing of niobium and manganese doped lanthanum germanate based apatites. *Materials Chemistry and Physics*. DOI: 10.1016/j.matchemphys.2018.07.002
- Punit Bhardwaj, Jyotsna Kaushal, Vandana Naithani, Anirudh P Singh (2018). Phytoremediation of Pulp and Paper Mill Effluents by *Salvinia molesta* and its comparison with Nanoparticles Inclusive Phytoremediation. *International journal of basic and applied research*, volume 8(8), pp 338-356. (P-ISSN: 22493352 E-ISSN: 22780505) UGC Approved (64041).
- K. L. Singh, P. Sharma, A.P. Singh, A. Kumar, and S.S. Sekhon, Structural and electrical analysis of microwave processed YSZ electrolytes for SOFC Prepared by coprecipitation method, *JOM* 69 (2017) 2448-2452.
- Chetan Sharma, Kanchan L. Singh, Anirudh P. Singh, Vandana Naithani, Payal Sharma, Sonia Mago, Ravinder Kumar Chadha, Microwave and conventional processing of niobium and manganese doped lanthanum germanate based apatites, *Materials Chemistry and Physics* 218 (2018) 204-209, doi: 10.1016/j.matchemphys.2018.07.002
- Payal Sharma, Chetan Sharma, Kanchan L Singh, Anirudh P Singh, Effect of Dopants and Sintering method on the properties of ceria based Electrolyte for IT-SOFCs, *JOM* (2018) doi.org/10.1007/s11837-018-2928-7
- Sonia Mago, Chetan Sharma, Rohit Mehra, O.P. Pandey, Kanchan L. Singh, Anirudh P. Singh, Preparation of YZT a mixed conductor by microwave processing: A different mechanism in the solid state thermo chemical reaction, *Materials Chemistry and Physics* 216 (2018) 372-379 doi: 10.1016/j.matchemphys.2018.06.026
- Anirudh P Singh, Kanchan L. Singh, Payal Sharma, Sonia Mago, Ajay Kumar, S.S. Sekhon, Chetan Sharma, Effect of NiO content and Microwave Sintering on the Electrical properties of NiO-YSZ Composites and Ni-YSZ cermet anode for Solid Oxide Fuel Cell, *Journal of Materials Engineering and Performance* (2018) (Communicated)
- Kanchan L Singh, Payal Sharma, Anirudh P Singh, Chetan Sharma. Comparative study of structural and ionic properties of doped zirconia electrolyte For Solid Oxide Fuel Cell, *Research & Reviews: Journal of Physics* 7 (2018) 1-7
- Ravinder Kumar Chadha, Anirudh P. Singh, Kanchan L. Singh, Chetan Sharma, Vandana Naithani, Influence of microwave processing and sintering temperature on the structure and properties of Sr/Zr doped hydroxyapatite, *Materials Chemistry and Physics* (2018), doi:10.1016/j.matchemphys.2018.09.086
- Sonia Mago, Chetan Sharma, Payal Sharma, Kanchan L. Singh, Anirudh P. Singh, comparative Analysis of Yttria Stabilized Zirconia (YSZ) and Titania doped YSZ (YTZ) sintered by two different routes: Conventional and Microwave processing, *Oriental journal of Chemistry* (Accepted)

Course work attended by Faculty members

- Dr. Roopa: General Orientation Course from November 13, 2018 to December 10, 2018 GOC-107 at UGC-HRDC-GNDU Amritsar.

PHYSICAL SCIENCES

Academic Achievement of Department.

The faculty members of the Department of Physical Sciences have published 17 research papers in reputed SCI journals of publication houses like Elsevier, Springer, Wiley etc. Dr. Maninder Kaur, Assistant Professor and Dr. Varinderjit Singh, Assistant Professor have successfully completed the summer school and orientation course respectively. Dr. Neetika, Assistant Professor has been sanctioned research project worth Rs.18,91,520/- from Science and Engineering Research Board, Department of Science and Technology, New Delhi. Dr. Amit Sarin, Associate Professor has given expert talk in summer school in Material Science/Basic Sciences, GNDU Amritsar.

Details of attendend Course work or any other special academic program by the faculty.

Dr. Maninder Kaur attended summer school on basics of material/basic sciences (ID) at UGC-HRDC, Guru Nanak Dev university Amritsar from 16/06/2018 to 06/07/2018. Dr. Varinderjit Singh attended 119th orientation course at UG-HRDC, Panjab University, Chandigarh from 17/07/2018 to 13/08/2018.

Details of national and international project against any grant.

Research project entitled "Diffractive vector meson production at HERA using a holographic AdS/QCD approach" sponsored by Science and Engineering Research Board, Department of Science and Technology, New Delhi (File.No. ECR/2017/001905) is sanctioned to Dr. Neetika Assistant Professor Department of Physical Sciences. (Budget sanctioned is Rs.18,91,520/-)

Classroom activities

A Guest Lecture was delivered by Dr. Davinder Siwal, D.S. Kothari Postdoc Fellow, Department of Physics, Panjab University, Chandigarh on the topic of "A digital approach to γ -ray Time of Flight investigation using fast scintillator detectors" (dated 11/04/2018 Co-ordinator Dr. Varinderjit Singh). Regular seminars were conducted in classrooms where students have presented their research topics and research plan.

Paper Publications & Presentation Details of Faculty

Dr. N.P. Singh

- Dosimetry study of CO-60 source step size in uterine cervix intracavitary HDR brachytherapy, Bhupendra Singh Rana, Arvind Shukla, Narinder Paul Singh, Sanjeev Kumar, Brachytherapy 2018
- Patients dose estimation in CT examinations using size specific dose estimates, Neha Choudhary, Bhupendra Singh Rana, Arvind Shukla, Arun Singh Oinam, Narinder Paul Singh, Sanjeev Kumar, Radiation Protection Dosimetry, 2018
- Dosimetry of adult and pediatric patients for common digital radiography examinations, Bhupendra Singh Rana, Sanjeev Kumar, Inderjeet Singh Sandhu, Narinder Paul Singh, Radiation Protection Dosimetry, 2018
- Estimation of radiation exposures to the patients in diagnostic and therapeutic interventional procedures, Bhupendra Singh Rana, Sanjeev Kumar, Chirag Kamal Ahuja, Narinder Paul Singh, Mukesh Kumar Yadav, Inderjeet Singh Sandhu, Radiation Protection Dosimetry, 2018

Dr. Amit Sarin

- Influence of compositional variations on optoelectrical properties of Ge₂₀Sn₁₀Se_{70-x}Te_x glass system, Amit Sarin, Surbhi Sharma, Navjeet Sharma, Optical Engineering, 0091-3286, 57, 1 171 10, 201 8
- Antioxidative Potential of Phyllanthus emblica for Oxidation Stability of Biodiesels, Amit Sarin, Meetu singh, Neerja Sharma, Harkirat S. Paras, Navneet S. Hans, Narinder P. Singh, Environmental Progress & Sustainable Energy, 1944-7450, <https://doi.org/10.1002/ep.13006>, 2018
- Optical characterisation of amorphous Se-Te-Sn thin films, Amit Sarin, Amit Sethi, Surbhi Sharma, Rajesh Kumar, Navjeet Sharma, Applied Physics A, 0947-8936, <https://doi.org/10.1007/s0033,2018>
- Crystallisation kinetics and thermal stability analysis of Se_{82-x}Te₅Sn₃Sb_x (0 < x < 6) glassy alloys, Amit Sarin, Amit Sethi, Rajesh Kumar, Navjeet Sharma, Physica B condensed matter, 1432-0630, 545, 2010, 2018
- Prediction of indoor radon/thoron concentration in a model room from exhalation rates of building materials for different ventilation rates, Amit Sarin, Manish Kumar, Navjeet Sharma, Acta Geophysica, 1895-6572, 66, 1249, 2018

Dr. Maninder Kaur

- Investigating the fusion enhancement for neutron rich mid mass nuclei using Dynamical Cluster Decay model, Rupinder Kaur, Maninder Kaur, Varinderjit Singh, Sarbjeet Kaur, Birbikram Singh and B. S. Sandhu, Phys. Rev. C. , 2469-9985, Accepted on 3rd Dec 2018, 2018
- Evolvement of preformation probability of α cluster decay of parent nuclei ^{84}Zr < 92 having N=126, Rupinder Kaur, Bir Bikram Singh, Mandeep Kaur, B. S. Sandhu, and Maninder Kaur, AIP Conference Proceedings , 978-0-7354-1648-2, 1953, 1401012, 2018
- Systematic investigation to estimate the magnitude of nuclear dissipation in

- fission dynamics, Varinderjit Singh, B.R. Behera, Maninder Kaur, Akhil Jhingan, Rupinder Kaur, P. Sugathan, Davinder Siwal, S. Goyal, K.P. Singh, Santanu Pal, A. Saxena, and S. Kailas, Proceedings of the DAE Symp. on Nucl. Phys. -637482018
- Dynamical aspects of fusion enhancement for neutron rich compound systems, Rupinder Kaur, Varinderjit Singh, Maninder Kaur, Sarbjeet Kaur, Birbikram Singh, and B.S. Sandhu, Proceedings of the DAE Symp. on Nucl. Phys.-63,638, 2018
- Effect of nuclear structure in fusion enhancement of $^{19}\text{O} + ^{12}\text{C}$ reaction at sub-barrier energies, Manpreet Kaur, Rupinder Kaur, Sarbjeet Kaur, Birbikram Singh, Maninder Kaur, Varinderjit Singh, Proceedings of the DAE Symp. on Nucl. Phys.-63, 550, 2018
- Dynamical hindrance effect in fusion for the decay of the compound nucleus ^{64}Zn , H. Arora, Gulzar Singh, B. R. Behera, Jagdeep Kaur, Ajay Tyagi, Hardev Singh, Rohit Sandal, Varinderjit Singh, Maninder Kaur, Ashok Kumar, K.P. Singh, K.S. Golda, R. P. Singhand S.K. Datta, Proceedings of the DAE Symp. on Nucl. Phys. - 63672, 2018]

Dr. Varinderjit Singh

- Investigating the fusion enhancement for neutron rich mid mass nuclei using Dynamical Cluster Decay model, Rupinder Kaur, Maninder Kaur, Varinderjit Singh, Sarbjeet Kaur, Birbikram Singh and B. S. Sandhu, Phys. Rev. C. 2469-9985 Accepted on 3rd Dec 2018, 2018
- HYTAR: A Hybrid Telescope ARray detection system for heavy ion nuclear reactions around Coulomb barrier, Akhil Jhingan, Gurpreet Kaur, N. Saneesh, R. Ahuja, Tathagata Banerjee, Rakesh Dubey, Varinderjit Singh, Ruchi Mahajan, Meenu Thakur, M. Kumar, Abhishek Yadav, B. R. Behera and P. Sugathan, Nucl. Instr. Meth. in Phys. Res. A, 0168-9002, 903, 326, 2018
- Systematic investigation to estimate the magnitude of nuclear dissipation in fission dynamics, Varinderjit Singh, B.R. Behera, Maninder Kaur, Akhil Jhingan, Rupinder Kaur, P. Sugathan, Davinder Siwal, S. Goyal, K.P. Singh, Santanu Pal, A. Saxena, and S. Kailas, Proceedings of the DAE Symp. on Nucl. Phys.-637482018
- Dynamical aspects of fusion enhancement for neutron rich compound systems, Rupinder Kaur, Varinderjit Singh, Maninder Kaur, Sarbjeet Kaur, Birbikram Singh, and B.S. Sandhu, Proceedings of the DAE Symp. on Nucl. Phys.-63, 638, 2018
- Effect of nuclear structure in fusion enhancement of $^{19}\text{O} + ^{12}\text{C}$ reaction at sub-barrier energies, Manpreet Kaur, Rupinder Kaur, Sarbjeet Kaur, Birbikram Singh, Maninder Kaur, Varinderjit Singh, Proceedings of the DAE Symp. on Nucl. Phys. - 63, 550, 2018
- Dynamical hindrance effect in fusion for the decay of the compound nucleus ^{64}Zn , H. Arora, Gulzar Singh, B. R. Behera, Jagdeep Kaur, Ajay Tyagi, Hardev Singh, Rohit Sandal, Varinderjit Singh, Maninder Kaur, Ashok Kumar, K.P. Singh, K.S. Golda, R. P. Singhand S.K. Datta, Proceedings of the DAE Symp. on Nucl. Phys.- 63672, 2018

JOURNALISM & MASS COMMUNICATION

Expert Interaction



Prof. (Dr.) Navjit Singh Johal

Department of journalism and Mass communication, Punjabi University Patiala Mr. Navjit had come to University. He had one hour interaction with the students of Journalism & Mass Communication Dept. He expressed his point of views on how communication is important in our daily life inclusive of media and other sources of communication as well. Apart from this he also discussed how the new technology is important and also how new generation gadgets are ruining the life of human being. He discussed the respective merits and demerits of new media and also discussed how to overcome these problems like the youngsters are totally fond of the Smart phones. He also discussed with his personal experience that how the students in day to day life are damaging themselves and no manual interaction with other people

and therefore shared and discussed the point of views with the students to overcome these problems in order to make a secure and good future of the nation.

Prof. Avinash Singh

Pro – Vice Chancellor (Emeritus), UTM, Shillong, New Delhi Area, India : Education Management Mr. Singh had come to University. He had one hour Interaction with the students of Journalism & Mass Communication. He expressed his point of view on social media. He said social media allows us to establish and publicize our brand, expand the reach within target market, interact with active user and sent interesting information about company to our desired audience. All these elements will help us to achieve business growth.



Students visited at Production House Chandigarh

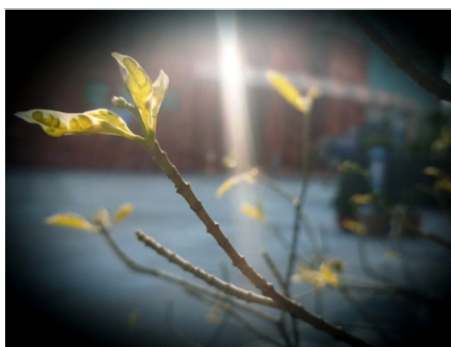
Students of JMC visited at Garv Punjab Channel. This visit was opportunity for students to develop their personality. It is also an acknowledged fact that the present global scenario political, social or economic is the result of 'information explosion' heralded by media.

Rangoli Competition play an important role in Motivating students to perform and outshine in their creative skills and students feels free. Students made rangoli on the floor or coutyards via materials such as coloured rice, dry flour, coloured sand or flower petals.

Rangoli Competition



STUDENTS MONTHLY MOBILE PHOTOGRAPHS COMPETITION



Priyanka Jain clicked on 1st August



Vinti Rani clicked on 1st September

STUDENTS MONTHLY MOBILE PHOTOGRAPHS COMPETITION



Priyanka Jain clicked on 1st October



Parminder clicked on 1st November



Special Photographs of student Priyanka Jain

MANAGEMENT

Department of Management (DOM), IKGPTU Main Campus has been running management programmes since 2012. The main offerings are Masters of Business Administration (MBA), Bachelor of Business Administration (BBA) and PhD in the area of Marketing, Finance and Human Resource Management. The department is in the seventh year since its inception and has come a long way with five batches passing out with flying colors. The Department is pioneer in the use of case study method and other such experiential teaching tools to management education in the state. Regular classes are conducted in the department without a fail and it is ensured that even in the absence of a faculty member, the classes are conducted as per schedule by a substitute faculty member / JRF. Apart from academics, the students and scholars of DOM actively participate in various co-curricular activities like Management Games, Business Quizzes; Role Plays and also in various functions like Independence Day, Republic Day, Teachers' Day, Engineers' Day etc. held in the campus. For smooth conduct of the Department various coordinators have been appointed for key departmental activities namely; Industry-Academia interface; examinations; alumni and accreditations; UGC and academic affairs; sports; cultural activities; training & placements; personality development and scholarships for the students. These Coordinators submit quarterly progress report for their respective activities and ensure the progress of the department is ongoing.

Teaching Pedagogy and Transparency in Evaluation

DOM follows a unique experiential form of teaching pedagogy where students are encouraged in 'learning by doing' so as to produce thought leaders for tomorrow. To ensure this, there is compulsory usage of case studies in classrooms apart from games; exercises; role plays etc. Case studies developed by premier management institutions like Harvard Business School; IIMs; ISB etc. are used for classroom teaching. Personality development classes are also conducted regularly to ensure holistic development of students. Further students participate in various departmental activities and are taken on industrial visits to ensure practical learning experience outside the classroom as well.

Since inception, DOM follows Choice Based Credit System as recommended by University Grants Commission (UGC) for evaluating student performance for MBA as well as PhD Coursework. This system is globally accepted and ensures transparency and fairness amongst all. Continuous monitoring of student performance is done via minor exams held twice in a semester, objective type business quiz, assignments, presentations, role plays etc. which ensures that a student's learning graph can be monitored throughout the semester.

Guest Lectures

The Department has been regularly conducting various guest lecturers to provide a practical orientation to students and to familiarize them with the prevalent Industry practices. Mr. Bankim Bhargava Senior Manager at PricewaterhouseCoopers New York delivered a guest lecture on "Money Banking and Finance" in the department on August 31, 2018. He exposed students to the intricacies of World Financial markets, Exchange rate dynamics and trade wars in detail.

Further lectures are also organized to create awareness on Social issues among youth. An awareness lecture on "Drug De-addiction" was organized on Nov1, 2018 and Dr. D.S. Bhular from forensic Medicine, Govt College, Patiala addressed the students.

Research Initiatives

DoM has been the pioneer department that has recruited full-time UGC research scholars and has received a total grant of approx. INR 2.00 Crore (Two crores) from UGC till date. The faculty and research scholars have published various research papers in leading national and international journals of high repute. Further Minor and Major research projects carried out by students of MBA Semester II and IV respectively, are designed and developed as per the pragmatic economic and industry issues.

Training, Placements and Entrepreneurial Activities

In the last seven years, students of the department have been placed in reputed companies in and around the region via on and off campus placements. Various Joint Campus Training and Placement Drives have been organized in the Department itself. The Students have been placed in renowned companies like Decathlon Sports Pvt Ltd, Just Dial Ltd, Pin Click, Red Carpet Tech Pvt Ltd, Capital Via. One of the MBA students of the Department, Tapasya Behl also bagged a Internship assignment at Semarang in Indonesia under IKGPTU Youth Global Internship Programme powered by AIESEC.

The Entrepreneurship Development Cell of the department is also quite active and ensures dynamic participation of students in various E-Week competitions like 100 rupee venture, B Plan competition etc to create future entrepreneurs with requisite business acumen.

Paper Publications & Presentation Details of Faculty

- Kaur, Harsandaldeep and Soch, Harmeen (2018) "Satisfaction, Trust and Loyalty: Investigating the Mediating Effects of Commitment, Switching Costs and Corporate Image", Journal of Asia Business Studies, Volume 12, Number 1, pp. 361-380
- Kaur, Kuljit and Soch, Harmeen (2018), "Refining and Validating Image Congruence, Satisfaction and Loyalty amongst Mall Shoppers in India", International Journal of Customer Relations, Volume 6, Number 1, pp. 31-37.
- Singh, Balpreet and Gupta, Kapil (2018) "Examining the Performance of Initial Public Offerings: A Study of Indian Hospitality and Tourism Industry", JOHAR - Journal of Hospitality Application & Research, Volume 13, Issue 2, pp. 64-73.
- Kaur, Mandeep and Gupta, Kapil (2018) "Hedging Effectiveness of Futures Contracts: A Study of Select Stocks in Indian Tourism and Hospitality Sector" JOHAR - Journal of Hospitality Application & Research, Volume 13, Issue 1, pp. 1-15.
- Kaur, Mandeep and Kumar, Satish (2018) "Corporate Governance at Banks: Is it Different?" Indian Journal of Social Concerns, Volume 7, Issue 29, pp.116-121.
- Kaur, Mandeep and Kiran, Kajal (2018), "Performance of Scheduled Commercial Banks on the Road of Financial Inclusion in India" International Journal of Research in Social Science, Volume 8, Issue 8, pp.336-344.
- Mehta, Pooja and Chahal, H. S. (2018) "Consumer Perception towards Effectiveness of Green Communication Strategies: An Exploratory Study", Abhigyan. Volume 36 Number 3, pp. 21-30.
- Soni, Deepali and Mehta, Pooja (2018), "Employee Engagement in Corporate Social Responsibility (CSR): Reflection from Indian Banking Sector", Journal of Strategic Human Resource Management, Volume 7, Number 2, pp. 40-47.
- Bansal, Sanjeev. K., Batra, Roopali and Jain, Nikita. (2018), "Block Chain: The Future of Accounting", The Management Accountant, Volume 53, Number 6, pp. 60-65.
- Bansal, Sanjeev. K. and Batra, Roopali (2018), "Challenges in the Way of Block Chain Technology" PIMT Journal of Research, Volume 10, Number 2.
- Batra, Roopali & Verma, Satish (2018). "Non-financial Criteria in Project Appraisal Methodologies: Empirical Evidence from Indian Companies", International Journal of Accounting and Finance, Volume 8, No 1, pp 80-102.
- Kaur, D., & Batra, Roopali. (2018). "Effectiveness of Training and Soft Skills for Enhancing the Performance of Banking Employees". Prabandhan: Indian Journal of Management, Volume 11, Number 9, pp. 38-49.

Conferences/Workshops:

- Mehta, Pooja and Soni, Deepali (2018), "Linking CSR and Work Engagement: An Empirical Evidence" One Day National Seminar on Business Ethics and Corporate Social Responsibility (ICSSR Sponsored) at Bebe Nanaki University College Mithra, Kapurthala.
- Batra Roopali and Kaur Gurkanwal (2018), "Comparative Analysis of Corporate Governance in Public and Private Sector Banks in India" at Finance Conclave- 2018 organised by LPU in association with IMA-The Association of Accountants and Finance Professionals in Business at Lovely Professional University, Punjab .
- Kaur, Rajpreet, Kaur, Harleen and Kaur, Davinder (2018), "Bridging the gap between Entrepreneurial needs and Students' Skills: Initiatives by Educational Institutions", International Conference on Futuristic Approaches Towards Employability & Entrepreneurship and Industrial Summit, GGN Institute of Management & Technology, Ludhiana.
- Kaur, Rajpreet and Kaur, Davinder (2018), "Investigation on Students' Acceptance Towards E-Learning in Indian Higher Educational Institutions", National Conference on Education Transforms Lives (ETL'2018), Patiala.

ACHIEVEMENT & ACTIVITIES OF CONSTITUENT CAMPUSES

BATALA CAMPUS

Paper Publications & Presentation Details of faculty

- SBS Kalsi and V. Singh "Function of Velocity in Bonding Mechanism of Cold Spray" International conference Latest Innovations in Engineering, Management, Social Science and Education Organized By Gurukul Institute of Engineering & Technology (Affiliated to RTU & Approved By A.I.C.T.E.), 2018, pp. 220-226.
- V. Singh, SBS Kalsi and M. Rani "Closed Form Solution for Schrodinger Equation using He's Variational Iteration method" International conference Latest Innovations in Engineering, Management, Social Science and Education Organized By Gurukul Institute of Engineering & Technology (Affiliated to RTU & Approved By A.I.C.T.E.), 2018, pp. 227-229.
- SBS Kalsi and V. Singh "Function of Velocity in Bonding Mechanism of Cold Spray" International Journal of Management, Technology And Engineering, 2018, 8(10), pp 2082-2088
- V. Singh, SBS Kalsi and M. Rani "Closed Form Solution for Schrodinger Equation using He's Variational Iteration method" International Journal of Management, Technology And Engineering, 2018, 8(10), pp 2089-2091

Awards:

- SBS Kalsi "Best Paper Award" International conference Latest Innovations in

Engineering, Management, Social Science and Education Organized By Gurukul Institute of Engineering & Technology (Affiliated to RTU & Approved By A.I.C.T.E.), 2018 Issue 24, pp 8301-8315 (2018), Print ISSN 1432-7643.

Patent Publication:

- Dr. Kamaljit Singh Bhatia Published Patent entitled "Fractal Monopole Antenna for S-Band and C-Band wireless applications" in the Patent Journal of India with Issue No. 39/2018 dated: 28 September, 2018

Publication in SCI Journal:

- Dr. Kamaljit Singh Bhatia et al., "A novel approach for physical layer security in future-generation passive optical networks" Photonic Network Communications April 2018, Volume 35, Issue 2, pp 141-150. Print ISSN 1387-974X
- Dr. Kamaljit Singh Bhatia et al., "Design of Metamaterial-Loaded Rectangular Patch Antenna for Satellite Communication Applications" Iran J Sci Technol Trans Electr Eng, pp 1-11, (2018)., Online ISSN 2364-1827
- Dr. Kamaljit Singh Bhatia et al., "Design optimization of CPW-fed microstrip patch antenna using constrained ABFO algorithm" Soft Computing, Volume 22, Issue 24, pp 8301-8315 (2018), Print ISSN 1432-7643.

BHIKHIWIND CAMPUS

Dr. Neeraj Mohan presented a research paper titled 'Traffic Grooming of Different Architecture in Optical Networks' in IEEE International Conference, ICACCCN-2018 held on October 12-13, 2018 at Galgotia College of Engineering, Noida.

Dr. Neeraj Mohan published a research paper titled 'Energy Deviation Measures: A Technique for Digital Image Forensics' in International Journal of Electronic Security and Digital Forensics, Volume 10, Issue 4, 2018, ISSN 1751-9128

| Title of Invention | Patent Number/Application No. | Inventor |
|---------------------------------------|-------------------------------|--------------------------------------|
| Kaur's Engery Efficiency Design Discs | 303110 | Ar. Jatinder Kaur, Dr. Prabhjot Kaur |

Paper Publications of Faculty

- Dr. Mukta Sharma won the Best Paper Award in Dec 2017 at 4th Indian Landslide Congress, held on 8-9 December 2017 at IIT, Bombay.
- Organized Seminar and student chapter launch with Indian Green Building Council (IGBC), And Confederation of Indian Industries (CII) in October 2018.
- Kaur Prabhjot (2018) Invited Talk, "Architectural Design: Research to Reality" presented at M.M. School of Architecture, MM University, Ambala.
- Sharma Mukta (2017), "Geomorphic indices and active tectonics interpretation – a case study of Sirsa River basin, NW Himalayas" presented at International conference on Interdisciplinary research in Humanitarian technology, at Sri Sai Institutes, Pathankot, Punjab, India
- Sharma Mukta (2016), "Environmental appraisal of Globalization in India" presented at, seminar on 25 Years of Globalisation: Impact on Indian Economy' organized by Indraprastha University, New Delhi.
- Pillai Sangeeth (2017), "Unlearning an aesthetic conditioning: Rethinking design education and construction of aesthetics in the post globalization era" presented at Thanima: A quest for authenticity a conference of contextuality in architecture Department of Architecture, NIT Calicut.
- Pillai Sangeeth (2017), "Bamboo as a material in the age of digital" presented at Bamboo Workshop architecture, Jamia Millia Islamia New Delhi.
- Pillai Sangeeth (2017), "Reviving Vastushastra: Correlations with the 'new sciences' and possible approaches for adaptation of its core principles to contemporary practice" presented at International Conference on Raja Bhojat Bhopal, M.P. India.
- Pillai Sangeeth (2018), "Reviving Sulbasutras: Integrating the heritage of Design Representation and geometric construction in Vedic India into Pedagogy of Design and Design history" presented at 3rd World Congress on Vedic Sciences, Deccan College Pune.
- Singh Jyoti (2018), "Evolution of Islamic Art & Architecture and its significance on Modern Architecture", International conference on Islamic Art Architecture held in Jamia Millia Islamia.
- Kaur, Prabhjot (2018), "Learning from Planning And Designing of Havelis of Malwa Region of Punjab as a role model of sustainable Built Environment", International Journal of Research and Analytical reviews, Vol. 5, Issue 01, pp 28-34. (Author: Dhot Bhupinder, Co-author: Gupta, Jit kumar)
- Kaur, Prabhjot (2018), "Havelis in the state of Punjab - A climate responsive habitat.", IJRAR, Vol. 5 issue 01, pp. 248-255. (Author: Dhot, Bhupinder)
- Kaur, Prabhjot (2017), "A Study of Architectural Education in India: A Critical Review", Interdisciplinary Research for Sustainable Development, Vol. V Special Issue I, ISSN- 2320 – 2653 . (Author: Garg, Kanchan)
- Kaur, Prabhjot (2017), "Thermal Performance of a Building Envelope - An evaluative approach", International Journal of Research and Analytical Reviews, ISSN: 2349-5138. (Author: Kaur, Jatinder, Co-author: Aggarwal, Sanjay)
- Kaur, Prabhjot (2017), "Integration of Energy Efficiency in Early Design Stage – Architect's Perspective", International Journal of scientific Research in Science & Technology, ISSN: 2395-6011. (Author: Kaur, Jatinder, Co-author: Aggarwal, Sanjay)
- Sharma, Mukta, (2018), "A geo-environmental appraisal of landslides on road stretch NH-22 near Dharampur, Himachal Pradesh, India", Airo International Research Journal, Volume XIV, ISSN: 2320-3714. (Author: Co-author: Sharma, Shivani)
- Sharma, Mukta (2016), "Air Quality In Developing Cities of Punjab", International Journal of Management and Applied Science (IJMAS), pp. 21-22, Volume-2, Issue-6. (Author: Singh, Dapinderdeep)
- Singh Jyoti (2018), "Smart City : Pursuit of city smartness and Delhi ISSN number – 2229 – 5518, International Journal of scientific and Engineering Research (IJSER)
- Dr. Prabhjot Kaur, participated in "Workshop on Exploring Aurovele Architecture" held at Aurovele (October 22-25, 2017).
- Dr. Mukta Sharma attended FDP on "Remote Sensing, GPS and GIS in Civil Engineering" from 6-10 Aug, 2018 at NITTTR, Chandigarh
- Dr. Mukta Sharma, participated in "Workshop on `Utilisation of Saraswati Palaeochannel Maps for Ground Water Exploration" organised by RRSC Jodhpur, Indian Space Research Organisation (ISRO) (August 29-30, 2017).
- Ar. Sangeeth Pillai, participated in "Short term training on Vastushastra in Design Application" at CoA Training and Research Cell Headquarters Pune. (March 19-23, 2018).
- Ar. Jyoti Singh, attended three Days Faculty Development Programme on topic "STUDENT EVALUATION" from 30TH July 2018 to 1ST August 2018 at Chandigarh College of Architecture, organised by NITTTR, Chandigarh.
- Ar. Jyoti Singh, attended GIAN – MHRD on "Hybrid approach to develop time space resolved estimates of Air Quality, 18-22 June 2018 at Jawaharlal Nehru University, Delhi.
- Ar. Damandeep, attended three Days Faculty Development Programme on topic "STUDENT EVALUATION" from 30TH July 2018 to 1ST August 2018 at Chandigarh College of Architecture, organised by NITTTR, Chandigarh.

| Project Title | Funding Agency | Principal Investigator |
|---|----------------|------------------------|
| ' Large scale Geological-Getechnical Mapping of Vulnerable zones along Srinagar to Rudraprayag National Highway, Uttarakhand' | DST | Dr. Mukta Sharma |

- Two day sports meet on 19-20th Feb 2018
- National Conference on Carving a sustainable future: Chandigarh region (march 27, 2018)
- Innovative ideas design competition on two themes Development of smart & sustainable Hawkers zone in sector-17 and Reimagining Sukha

HOSHIARPUR CAMPUS

Department of Mechanical Engineering

Papers in International Journals:

- Santosh Kumar, Manoj Kumar, Amit Handa (2018) Combating Hot Corrosion of Boiler Tubes- A Study, Journal of Engineering Failure Analysis 94: 379-395 (Elsevier, Thomson Reuters Impact Factor-2.157) DOI: 10.1016/j.engfailanal.2018.08.004
- Sunil Kumar Mahla, Amit Dhir (2018) Performance and emission characteristics of CNG-fuelled compression ignition engine with Ricinus communis methyl ester as pilot fuel, Environmental Science and Pollution Research (Published) (Springer, Thomson Reuters Impact Factor-2.800) DOI: 10.1007/s11356-018-3681-8
- Sunil Kumar Mahla, Amit Dhir, Kanwar J.S. Gill, H.K. Cho, H.C. Lim, B.S. Chauhan (2018) Influence of EGR on simultaneous reduction of NO_x-Smoke emissions trade off under CNG-Biodiesel dual fuel engine. Energy 152:303-312 (Elsevier, Thomson Reuters Impact factor-4.968) DOI:10.1016/j.energy.2018.03.072
- Himadri Rajput, Rahil Changotra, Vikas Kumar Sangal, Sunil Kumar Mahla, Amit Dhir (2019) A facile synthesis of Cs loaded TiO₂ nanotube photoelectrode for the removal of 4-chloroguaiacol, Chemosphere 218:687-695 (Elsevier, Thomson Reuters Impact factor-4.427) DOI:10.1016/j.chemosphere.2018.11.157
- Pali Rosha, Amit Dhir, Sunil Kumar Mahla, Saroj K Mohapatra (2018) Biogas reforming for hydrogen enrichment by cerium decorated over nickel catalyst supported in titanium and alumina, International Journal of Hydrogen Energy 43(46): 21246-21255 (Elsevier, Thomson Reuters Impact factor-4.229) DOI: 10.1016/j.ijhydene.2018.09.187
- Akshey Marwaha, Pali Rosha, Sarok Kumar Mohapatra, Sunil Kumar Mahla, Amit Dhir (2018). Waste materials as potential catalysts for biodiesel production: Current state and future scope, Fuel Processing Technology 181: 175-186 (Elsevier, Thomson Reuters Impact Factor-3.956) DOI: 10.1016/j.fuproc.2018.09.011
- Akshey Marwaha, Amit Dhir, Sunil Kumar Mahla, Saroj K. Mohapatra (2018) An overview of solid base heterogeneous catalysts for biodiesel production, Catalysis Review-Science & Engineering 60 (4): 594-628 (Taylor & Francis, Thomson Reuters Impact factor-6.600) DOI: 10.1080/01614940.2018.1494782
- Pali Rosha, Rattanvir Singh, Saroj Kumar Mohapatra, Sunil Kumar Mahla, and Amit Dhir (2018) Optimisation of hydrogen enriched biogas by oxidative reforming with nickel (Ni) nanopowder using response surface methodology, Energy & Fuels 32 (6) : 6995-7001 (American Chemical Society (ACS), Thomson Reuters Impact Factor-3.024) DOI: 10.1021/acs.energyfuels.8b00819
- Sunil Kumar Mahla, Amit Dhir, Varun Singla and Pali Rosha (2018) Investigations on environmental emissions characteristics of CI engine fuelled with castor (Ricinus communis) biodiesel blends, Journal of Environmental Biology 39(3): 353-357 (Thomson Reuters Impact Factor-0.727) DOI : 10.22438/jeb/39/3/MRN-568
- Geetesh Goga, Bhupendra Singh Chauhan, Sunil Kumar Mahla, H.M. Cho, Performance and emissions characteristics of diesel engine fueled with rice bran biodiesel and n-butanol, Energy Reports (Article In Press) Elsevier, DOI: 10.1016/j.egy.2018.12.002
- Rohit Rampal, Tarun Goyal, "Comparing the SiC-iron, Al₂O₃-iron powder

Department of Computer Science and Engineering

Papers in International Journals:

- Brijesh Bakariya, G.S. Thakur, Kapil Chaturvedi, An Efficient Algorithm for Extracting Infrequent Itemsets from Weblog, (SCI-Journal), The International Arab Journal of Information Technology (IAJIT), Volume 16, Issue 2, 2018, ISSN:1683-3198, 0.72
- Gurdas Singh, Brijesh Bakariya, A Framework Designing For RDF Smart Crawler for Extracting Semantic Information, International Journal of Engineering Research in Computer Science and Engineering, Volume 5, April 2018, ISSN : 2394-2320, 4.890

Papers in International/National Conferences

- Vinod Kumar, Brijesh Bakariya, Investigation of Geometrical & Statistical Texture for Automatic Cancerous Cell Detection in CXR images, Sixth International Conference on Contemporary Engineering and Technology, 2018
- Brijesh Bakariya, Kulwinder Singh Parmar, An Inclusive Survey on Simulation and Modeling Techniques for Solving Engineering Problems, National Conference on Modeling, Optimization and Computing for Engineering Problems:

combination using microwave sintering in terms of surface finish", International Journal of Latest Trends in Engineering and Technology, Vol. 9, Issue 4, pp. 001-005 (2018).

- Tarun Goyal, T.S. Sidhu, R.S. Walia, Rajeev Dang, "Characterization of cold sprayed copper coatings on Brass", International Journal of Surface Engineering and Materials Technology, December 2018.

Papers in International Conferences

- Geetesh Goga, B.S. Chauhan, S.K. Mahla, H.M. Cho, Amit Dhir, and H.C. Lim (2018) Properties and characteristics of various materials used as biofuels: A review, International Conference on Composite Materials, Manufacturing, Experimental Techniques, Modeling & Simulation (ICCMEMS-2018) held at LPU, Phagwara on 19-17 March, 2018.
- Tarun Goyal, R.S. Walia, T.S. Sidhu, "Investigation on multiple parametric optimization of cold sprayed coatings process", Proceedings of MS & T 18 Conference, Oct 14-18, 2018, Columbus, Ohio, US. ISBN-10: 0-87339-768-1, ISBN-13: 978-0-87339-768-1.
- Tarun Goyal, T.S. Sidhu, R.S. Walia, P.J. Singh, "Characterization of cold sprayed copper coatings on Brass", Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME'18), 14-16 November 2018, SSG PU Campus, Hoshiarpur.

Books Authored (International Publishers)

- S.K. Mahla, B.S. Chauhan, Geetesh Goga. CFD Studies of Heat Transfer in Heat Sink (Experimental & CFD Studies of Air Flow and Heat Transfer Characteristics of a Heat Sink), ISBN: 978-620-2-31040-6, Scholars Press (Germany)
- S.K. Mahla, B.S. Chauhan. Investigations on HHO and DMM Fuels under Dual Fuel Mode (Performance and emissions characteristics of Dual Fuel Engine using HHO gas and DMM-diesel blends as pilot fuel), ISBN: 978-620-2-31030-7, Scholars Press (Germany)
- Tarun Goyal, Machining of die steel- H11 using EDM electrode, LAP Lambert, Academic Publishing, Latvia, European Union.
- Tarun Goyal, Solar Air Pre-heater Design, Vol I, LAP Lambert, Academic Publishing, Latvia, European Union.
- Tarun Goyal, Solar Air Pre-heater Design, Vol II, LAP Lambert, Academic Publishing, Latvia, European Union.

Details of attended Course work or any other special academic program by the faculty

- Dr. Tarun Goyal attended 28 days Orientation course at UGC (HRDC) Academic Staff College, Punjab University Chandigarh from 13 November 2018- 10 December 2018.
- Dr. Shashi Bahl attending Orientation course at UGC-Human Resource Development Center, Panjab University Chandigarh from 11.12.2018 to 07.01.2019.
- Dr. Amit Handa attending Orientation course at UGC-Human Resource Development Center, Punjabi University Patiala from 1.12.2018 to 22.12.2018.

Use of Scientific and Technical Hindi Terminology (MOCEP-2018) 12-14 Oct. 2018

Book Chapter Authored

- Krishna Kumar Mohbey, Brijesh Bakariya and Vishakha Kalal, A Study and Comparison of Sentiment Analysis Techniques Using Demonetization: Case Study, IGI Global: International Publisher of Information Science and Technology Research, August, 2018, ISBN: 9781522549994

Book Authored

- Brijesh Bakariya, Data Structures and Algorithms Implementations in C, BPB Publications, Delhi, Apr 18, 2018, ISBN: 9789386551948
- Brijesh Bakariya, G.S. Thakur, Efficient Techniques for Patterns Analysis using Web Usage Mining, Lambert Academic Publishing, 2018, ISBN: 978-613-9-85871-2

Department of Mechanical Engineering

Research Publications in National/International Journals

- Sunita, K., Goyal, D. And Walia, R. (2018). "Strength analysis of concrete by partial replacement of cement with agricultural waste ash". International Journal of Creative Research Thoughts, Volume 6 issue 2, pp 1426-1433. UGC indexed
- Sunita, K., Goyal, D. And Walia, R. (2018). "Durability and Strength analysis of Concrete by Partial Replacement of Cement with Corn Cob Ash and Rice Husk Ash". International Journal of Research in Advent Technology, Vol6 No.7 July 2018, 1593-1601. UGC indexed

Paper Presentations/Publications in National/International Conferences

- Sunita, K., Goyal, D. And Walia, R. (2018). "Study of the durability properties

of concrete by partial replacement of cement with corn cob ash and corn cob ash-Rice husk ash". Journal of civil engineering and Environment Technology vol 5 issue 6, pp405-409

Books/Book Chapters Published

- Book Chapter on Investigation on suitability of GHA-RHA as partial replacement of cement in concrete pp 241-249 Sunita, K., Goyal, D. And Walia, R. Springer publication 2018
 - Book on performance Evaluation of industrial wastewater treatment plant Rinku Walia Lambert Publishing 978-613-4-96327-52018
- Dr Rinku Walia completed Orientation Programme at UGC-HRDC centre Punjabi University Patiala from 1.1.2019 to 29.1.2019

WAY FORWARD TO FUTURE PLANS

University is working on varied future plans to provide maximum support and benefit to its stakeholders.

E-GOVERNANCE

Implementation of e-Office Premium in all campuses of University is on track. This will help in improving the functioning of University through more efficient, effective, paperless and transparent inter-government and intra-government transactions and processes. The following modules are available with NIC and recommended for implementation:

- | | | |
|--------------------------------|--|---------------------------|
| • File Management System | • Knowledge Management System | • Tour Management System |
| • Personnel Information System | • Collaborative and Messaging Services | • Leave Management System |

CAMPUS ENTERPRISE RESOURCE MANAGEMENT SYSTEMS

IKGPTU being academic institutions, there is an imperative need to implement other modules also for automation and governance of other academic activities that other required modules for automating the other activities may further be taken up at institution level. The other recommended modules are either through NIC or at Institutional Level:

- | | | |
|-------------------------------|--------------------------------------|---------------------------------|
| • Student Information System | • Examination System | • Student Fee Management System |
| • Financial Accounting System | • Campus Learning Management Systems | • E-procurement etc. |

INTERACTIVE CAMPUS PORTAL PLATFORM

Interactive & Comprehensive Education Knowledge Portal at central level can be established for all the stakeholders (students, teachers, parents and other campuses) of the education ecosystem, and it will encompass best of the technology and to become the most trusted partner in the progress with the education stakeholders, used by large number of different stakeholders of education ecosystem and will provide:

- The stakeholders of education system get connected to the entire education community.
- The platform for the industry experts and institution academicians to exchange ideas and share thoughts.
- To enable in exploration of path breaking technologies for transformation of education delivery system.

E-EDUCATION

To provide high-tech education using technology like smart phones, apps and Internet services. It can also be used to provide education in far-flung areas where it may not be possible for teachers to be present in person. The education can be imparted through virtual means as part of the program.

- | | |
|--|--|
| • Mobile app for Library (Learn Anywhere any time) Launched | • All e-resources on mobile |
| • Library Automation with web kiosk | • Digital Notice Boards to display notices to students |
| • Smart Lecture theatres with digital podium and audio visual facilities | • Implementation of Eduroam Facility |
| • High Performance Computing Facility with PARAM SHAVAK super computer | |

NEXT GENERATION NETWORK (NGN)

This initiative to replace 30 year old exchanges, with this new IP-based technology to manage all types of services like voice, data, multimedia/ video and other types of communication services including WiFi Campus. In addition to fully redundant data network, implement and integrate more than a dozen systems into a campus including:

- | | |
|---|--|
| • Fire alarm and life safety systems. | • Building Automation System (BAS), temperature control, and systems monitoring. |
| • Security door monitoring, card access and CCTV systems. | • Low-voltage lighting control systems. |
| • Electrical power and power quality digital metering systems. | • Smartcard campus security and debit card systems. |
| • Video distribution systems for IP enabled Cameras in Campus | • Structured cabling system. |
| • Facility maintenance and management system. | • Primary and backup data centers, packaged UPS, and cooling systems. |
| • Voice over Internet Protocol (VoIP) and emergency (Blue Phone) telephone systems. | |

SMART CARDS

A Smart Card enables safety of information that is stored in the cards. The smart card technology secures transaction security. Each card has a unique serial number of its own and is capable of performing encryption, thus reassuring secure transactions. Digital Campus solution helps in tracking movement of students in and out of campus coordinates to library movements. A considerable benefit of smart cards is that it can, not only store data, but also process the information. With the smart card readers, one can communicate with other computing devices.

BAR CODES & RFID TAG FOR INVENTORY MANAGEMENT

Unique barcode label or RFID tag for inventory to have accurate information on each specific item like location, condition, purchase date, value, custodian, last maintenance, etc. This will ease the physical verification in the institutes and save significant amount of time.

NEW COURSES AT CONSTITUENT CAMPUSES/REGIONAL CAMPUSES

University is running its constituent campuses in the various districts of Punjab. By watching the demand of professionals and faculty members, Course Executive M. Tech and M.B.A will also start at its Regional Campuses. More Skill based courses under UGC's B.Voc (Bachelor of Vocational Degree) courses are also to be implemented from this academic session 2019-2020.

DIGITAL CAMPUS APPS

Digital Campus Apps offer reliable, secure web-based tools for all kinds of institutions. It also provides integration with Google calendar, Google docs, mails and SMS etc. This potent, intuitive application has helped reduce the institute's IT costs and has helped employees collaborate more effectively.

ACADEMIC IMPORTANCE

To establish the academic importance, University is on the best move to get accreditation from NAAC and also approaching UGC to cover IKGPTU under 12B.

Initiated by

PUBLIC RELATIONS OFFICE, I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA

This newsletter is not valid for any legal purpose



IKGPTU IN TOP 100 ENGINEERING INSTITUTES OF INDIA -NIRF RANKING 2019

- BOG Chairman Dr. Salwan & VC Prof. (Dr.) Sharma dedicated this achievement to University Faculty, Officers, Staff & Students
- This is reward of perseverance efforts made by University for achieving excellence in the field of higher Technical education: VC IKGPTU

I.K.Gujral Punjab Technical University, first state Technical University of Punjab, added another feather in its cap by getting **96th** rank among all India engineering institutes. National Institutional Ranking Framework (**NIRF**), Ministry of Human Resource Development (MHRD), Govt. of India, announced these all India rankings in the month of April. In this ranking IKGPTU positioned in top 100 engineering institutes of India.

Chairman, Board of Governors (BOG) of University Dr. S. K. Salwan & Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma dedicated this success to the hard work of University's faculty, officers, staff and most important to students.

Dr. Salwan said that University adopted best practices in past academic year 2018-19 and this is a matter of great pride that in a short span of time University has made its place among top institutes. **"We at IKGPTU believe in imparting industry oriented values based engineering education which is not only helps the students in placements but also develops them as responsible citizens and current ranking is the outcome of this belief only"** added Dr. Salwan.

Vice-Chancellor Prof. (Dr.) Ajay Kumar Sharma congratulated IKGPTU family. He said that this is the reward of perseverance efforts made by University for achieving excellence in the field of higher technical education. **"NIRF follows very stringent process of ranking & after analyzing the academic strengths of the University, this ranking has been awarded to the University. The ranking shall further strengthen our efforts to serve the students in a better way"** added VC Prof. (Dr) Sharma while appreciating his team for submitting timely information to NIRF.

It is worth mentioning that University has developed state of the art infrastructure on its campus and is the only State University which recruits only Ph.D holders as faculty. University has developed its research labs by procuring equipment worth multi-crores under an agreement with EdCIL a miniratna company of MHRD.

ਕੈ. ਅਮਰਿੰਦਰ ਸਿੰਘ
Capt. Amrinder Singh



ਮੁੱਖ ਮੰਤਰੀ, ਪੰਜਾਬ
Chief Minister, Punjab

DO No. CMP-19/LC-3/CM/289

May 20, 2019

Dear Prof. Ajay Sharma Ji,

I have received your letter of the 6th May 2019 and am glad to know that IK Gujral Punjab Technical University has achieved a position in the top 100 Engineering Institutes of India in the National Institutional Ranking Framework conducted by the Government of India. Please keep up the good work.

with regards,

Prof (Dr) Ajay K Sharma,
Vice-Chancellor,
IK Gujral Punjab Technical University,
Jalandhar-Kapurthala Highway,
Kapurthala - 144 603
(Email: vc@ptu.ac.in)

Yours sincerely,

(Amarinder Singh)

CAMPUS MIRROR



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
Jalandhar-Kapurthala Highway, Ibban,
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ADMISSION ENQUIRY

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