

CHRONICLE

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OVER 4000 STUDENTS COMMENCE
THEIR STUDIES AT CGC LANDRAN



Discussion during Doctor's Day Celebration at CGC Landran

Recent assault on Doctors which led to a Nationwide Protest by Indian Medical Association (IMA) to prevent the violence against Medical Professionals has opened a new matter of discussion. Keeping in mind the current year theme 'Zero tolerance to violence against Doctors and clinical establishment', Chandigarh Group of Colleges celebrated the day to mark respect to the physicians for the work they do for their patients, the communities they work in and for society as a whole. Following the decision of IMA to commemorate July 1 to 8 as 'Safe Fraternity Week', Biotechnology and Pharmaceuticals students and faculty of CGC Landran participated in discussions focussed on the role and need of Doctors in the development of the nation.

There must be a central law for the protecting doctors against any kind of violence and threat. This was stated by Dr. U.C. Banerjee, Head Department of Pharmaceutical and Biotechnology, National Institute of Pharmaceutical Education and Research (NIPER)



who facilitated the discussion. He added that such instances are the result of hampering with the democracy and the Political parties must keep an eye on them.

National Doctor's Day is celebrated to commemorate the legendary physician and Bharat Ratan Awardee, Dr. Bidhan Chandra Roy who was born and got expired on a same date which is 1st July.

Holographic Software developed by CGC Alumni

Ishant and Nishant, twin brothers from Bihar were seen giving a presentation on their recently developed software for Microsoft device, Hololens at Chandigarh Group of Colleges, Landran. The software is an attempt to enhance Student-Teacher Interaction and hence make the learning process easy and effective with the use of Microsoft Hololens, a Mixed Reality device.

"We have currently embedded it with the study of Human stomach for the biology students. Once you wear the Hololens, you will be able to see 3-D visual of the stomach with in-depth details and labeling. The experience is different from virtual reality where the whole environment gets manipulated. The mixed reality which is the combination of hardware and software will enable to place the 3-D visual in the real environment with the possibility to enlarge, drag, click as well as move the object" explained Ishant and Nishant, Information Technology Engineering student Alumni of CGC Landran. The Hololens has been sponsored to them by a foreign investor as they have collaborated with a Canadian company (EXVR LABS). "The application of this software is not just limited to academic curriculum; it can be utilized further in medical, engineering and architecture sector. This will



also be a boon to the Research sector as well", they added.

The twin brothers came up with this idea after realizing that they have dyslexia which is a learning disorder affecting those areas of brain which process language. They have already been recognized in the past for developing a biometric smartcard, server protection framework and few others. The lookalike have setup their own venture named as Raju Bros Softech Private Limited to provide the needed infrastructure for holographic visualization for academic and industrial use.

Over 4000 Students Commence their Studies at CGC Landran



them accustomed to the evaluation system, achievements, training and placement programs and other specifications related to the college.

While addressing the students and their families, Satnam Singh Sandhu, Chairman, CGC Landran said, "Job interviews are now-a-days based on Artificial Intelligence nullifying human error and thus CGC is now focused on imparting such skills to its students which are in sync with the technological advancements. We expect the current batch to diligently study so that they can become socially responsible citizens".

The induction program for the new academic session 2019-20 was organised to make the navigation process as effortless as possible for the students. Students who have taken admission in the newly launched programs at CGC Landran which includes Pharm D, Bsc Graphic & Web Designing, Bsc Non Medical and Bsc Nutrition & Dietetics were also the part of the induction ceremony.

An orientation ceremony was organised at Chandigarh Group of Colleges, Landran to welcome students from 28 Indian States and Union Territories who would be commencing their studies in various disciplines including Engineering, Management, Pharmacy, Biotechnology, Hotel Management and Computer applications. Carpet was rolled to welcome over 4000 students and to make

CGC again Ranked 7th by Indian Patent Office for filing 58 Patents in a Single Year



Technology (collective) has occupied the first position in the same category.

Overall, the government statistics reveal that number of applications for patents filed in 2017-18 was 47,854 showing an increase of 5.3 % in filing, which were 45,444 in 2016-17.

The top five patents filed by CGC include, A Biometric Wheelchair Control System, Fault Detection System for Railway Tracks, Plant Growth Promoting Composition and Process Thereof, Interactive Education System and Method and System for Establishing Secured Data Communication Network. The patents have been filed by students from the field of Electronics, Mechanical, Computer Science, IT, Biotechnology and others

Satnam Singh Sandhu, Chairman CGC Landran and Rashpal Singh Dhaliwal, President, CGC Landran congratulated the faculty and students on this achievement. They said, "As the technical advancements are growing leaps and bounds, it becomes our utmost responsibility to set up infrastructure which is innovation oriented. Thus, the Innovation and Entrepreneurship Development Cell which has been set up at CGC in collaboration with the Department of Science & Technology, Government of India, is a step to promote innovation and entrepreneurship amongst students".

Keeping the legacy intact, Chandigarh Group of Colleges has again been ranked 7th pan India for filing 58 Patents in a single year by the Indian Patent Office which is administered by Office of the Controller General of Patents, Designs, Trademarks and Geographical Indications (CGPDTM), Government of India. The college has made a mark by filing over 150-plus patents till now with more in the pipeline. CGC has been featured under the category of Top 10 Indian Applicants for patents from Institutes and Universities in the 46th Annual Report 2017-18 released by CGPDTM. The list contains 1300 total patents filed by the premier public and private institutions. CGC is sharing the same position with the Indian Institute of Science by filing exactly the same number of patents this year as compared to the last year which was 30 in number. Indian Institute of

International Scientific Journal unfurled at CGC Landran

An online, open access and peer-reviewed international journal was released today at the campus of CGC Landran. The half yearly as well as fully refereed free journal is focused on methodologies, case studies and applications in the field of Engineering, Science and Technology. CGC International Journal of Contemporary Technology and Research (IJCTR) consist of 12 research papers of various authors across the globe. With the aim to promote research in the field of Engineering, Science and Technology, the journal was unravelled by Prof. Ghazi Alkhatib, Hashemite University, Jordan and Dr. Ashwani Kumar, Professor at Monmouth College, USA along with other academic scientists, researchers and research scholars. The release took place during the inaugural ceremony of International Conference on 'Innovations in Communication Computing and Sciences' and 'Contemporary Advances in Mechanical Engineering'.



The Broad Areas of Research include IOT, Cloud computing, Machine learning, Artificial intelligence, Wireless Communication, Signal & Speech Processing, Cognitive Radio, Fiber Optics, Nano Science and Nano Technology, Micro Electronics, Polymer Science, Renewable Energy Sources, Material Science & Engineering, Industrial Biotechnology, Animal Biotechnology, Plant cell Technology and many more.

American Accredited University to produce cyber security Professionals at CGC Landran

We are living in a dynamic technological world where every day we are hit by around 1 million malware software designed to disrupt, damage, or gain unauthorized access to a computer system. This surge has given rise to the demand of cyber security professionals in the world. Statistics reveal that India requires 5 Lakh cyber security professionals every year but regrettably it is producing just 40,000. This huge gap can be bridged by preparing our students with a career which can serve the society for next few decades. This was stated by Abel Daniel, Director for Academic Alliances, EC-Council University, an online American Accredited University headquartered in Albuquerque, New Mexico and dedicated to cyber security. Abel was at Chandigarh Group of Colleges, Landran to sign a Memorandum of Understanding which would offer globally acceptable online programs and internships to the students of CGC Landran.

The international Partnership to bring into being future cyber security professionals will offer global exposure to the students. The students will be mentored by the US faculty comprising of real-time Industry practitioners. The assessment criterion and credit based system will be applied to the choice of their course. The future perspective of these courses



include direct entry into the US based Masters Program as well as the possibility to get direct job opportunity globally.

"Cyber security has become the most sought after profession because of the scale in which cyber crime is happening and thus, this MOU is a virtuous attempt to offer an edge to the regular academic curriculum" said Dr. P.N. Hrisheeksha, Campus Director, CGC Landran.

CGC Students Win Hardware Edition of Smart India Hackathon



Mahindra & Mahindra. 12 teams worked concurrently for this particular problem statement 'Pedestrian Safety device in Automobiles' at the Incubation Center, Forge Accelerator, Coimbatore which was one of the nodal centers. Team leader, Apoorv Negi along with Aastha Agarwal, Apporv Dubey, Sanjeet Choudhary, Divyam Gogia and Rohit Jadon were awarded a cash prize of Rs.1 Lakh.

While briefing about their project Team leader, Apoorva Negi said that, "We have used machine learning based algorithm to detect the movement of pedestrians which was further used by the mechanical actuator to interface with the brake pedal. Since breaking require real time data like current speed of car, engine information, so we used CAN network protocol to siphon data from all the electronics and sensors present in the car to process those variables in real time. We worked on a recently launched development board 'Nvidia Jetson Nano'. Our design can be installed in any type of car whether it diesel, petrol or electric".

6 Engineering Students of Chandigarh Group of College, Landran under the team 'machVEDA' recently won Hardware edition of Smart India Hackathon 2019. The Grand Finale of the World's biggest open innovation model was conducted simultaneously across 18 nodal centres in India. One amongst 250 teams who got shortlisted for the 5-day long Hackathon, team from CGC Landran worked day in and day out for the problem statement given to them by multinational car Manufacturing Corporation,

Australian Hospitality Industry absorbs 11 Students from Punjab & Haryana



final year students of Chandigarh Group of Colleges, Landran have been placed with Zagame's Group at various locations in Australia including Ballart, Reservoir, Berwick, Boronia or Caulfield. The weekly working hours accounts to 16.96 lakh per annum package.

Arshdeep Kaur, Inderpal, Piyush Jain, Harpinder Singh, Dharminder Singh and Ruhi Gupta from different areas of Punjab along with Simranjeet Singh, Rohan Vij, Aarif Khan, Sachin Sharma and Ankush Sharma from Haryana will soon be gaining international hands-on exposure as Hospitality Trainees.

"Zagames is a globally recognised Hotel Group in Australia and we are always on a road to collaborate with such organisations" said Dr Ramandeep Saini, Dean International Affairs, CGC Landran.

With over 62,000 Indian Students currently pursuing their higher education from Australia, the country has become a thriving destination for the students. A recent census by Australian Bureau of Statistics also reveals that Sikhism has become the 5th largest religion in Australia with nearly 126,000 followers in the country. Apparently, 11 Hospitality Students from the states of Punjab & Haryana have been selected to join the passionate team of Hospitality Professionals at Zagames, Australia in Food Production, Food and Beverage Service and Housekeeping department. The