

News at a Glance

President's address at IIT-G



"India's future needs young and talented youth such as you. Always work towards innovation, excellence and make your country proud."

Dr Rajiv Modi, President, IU Governing Body addressed the graduating students of IIT Guwahati at the 22nd Convocation, September 22, 2020

ICC Lifetime Achievement Award



ICC D.M.Trivedi Lifetime Achievement Award of 2019 was conferred on our Provost - Dr. J. S. Yadav in recognition of his outstanding contributions in Education and Industry by the Indian Chemical Council in a virtual award function on September 25, 2020.

Sacred Heart University (USA) interacts with IU students

IU hosted an online webinar in association with SHU (USA) on salient features of Dual Degree (3+1 years) programmes for students. Mr. Voytek Wloch shared the course objectives, student life and academic regulations of the programme. Ms Cory Nevers, Executive Director, talked about admission assistance, immigration support, international services, scholarship scheme and placement prospects post course completion. Mr. Abhinand Pandya and Dr. Amish Vyas from IU discussed the eligibility criteria and support system being provided by IU with the participants. A virtual tour of the SHU campus was also held during the webinar.



Voytek (Wojciech) Wloch, Ed.D.
Executive Director, Global Affairs



Ms. Cory Nevers
Executive Director of International Admissions

From the Provost's Desk



'Everyday is a new beginning'

The second quarter of 2020 witnessed turmoil across the globe in every aspect of human life due to the COVID-19 pandemic. However, the extremities and uncertainties have acted more as a catalyst bringing radical changes in the Indian education system which was skeptical about online teaching in the pre-Covid era. Indrashil University stood firm and braved this hard time proving its mettle by organizing all the academic activities online with minimal hindrance. All these developments signify the indomitable human spirit that triumphs over challenges and threats posed by nature. Surprisingly, this paradigm shift in online pedagogical tools was embraced with ease by our academic fraternity including our tech-savvy students. In fact, our university hosted a series of webinars and other related activities in this phase using virtual platforms that exceeded three fold from the previous years' numbers. Again, eminent scientists, industry experts, academicians and key govt. officials pan India and abroad visited IU cloud and shared their expertise on various domains contributing to the service of society and mankind. Through 'Turning Point' webinar series, the students of IU were benefitted from the rich industry experience and success mantras by Cadila's Leaders. Thus, going by the New Education Policy (NEP), I state with conformity that our university is already in practice with the similar approach having synergy of research, industry and academia for the best outcome while fulfilling our aim to impart the best education in the Life Sciences.

Furthermore, the research output, teaching-learning process, extra-curricular activities, placements etc. continued with the same fervour via virtual platforms with the integrated efforts of industry-partners, faculty, staff and students. The signing of the MoU to collaborate with Oracle and ICT Academy are additional accolades to mention here. In the coming academic semester, I am delighted to announce a new- PG Diploma Program in Environment, Health And Safety commencing from next year, i.e. 2021.

Assuring to meet you with renewed spirit and more enthusiasm in the year 2021, I wish you all a very prosperous and successful New Year!

Best wishes,
Dr. J. S. Yadav

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Editorial

Dear Esteemed Reader:

I am delighted to present the December '20 issue to you! The year 2020 was a harbinger of despair and uncertainties due to pandemic-COVID 19, yet it saw the opening of new avenues and opportunities owing to human zeal to tide over the odds and move on. Our university showed up similar ardour which is featured in this edition.



The Editorial Board takes pride to put on record the ICC Life Time Achievement Award conferred on our Provost-Dr. J.S. Yadav who is also recognized as a leading scientist featured in the list of top 10 globally ranked scientists in Chemistry.

The regular but nevertheless enjoyable feature- Expressions has captured the views of Dean-Dr. A.P. Vyas, School of Engineering. An interesting webinar series on 'Science and Technology in the Service of Mankind' witnessed prominent scientists, industrialists, and educationists from across India visiting IU Cloud and sharing their experience and knowledge. Keeping pace with the external changes, our students quickly adapted to the online mode and continued with their scheduled extra-curricular activities with the same fervour. The International Yoga Day, Environment Day, debate competition, Independence Day celebration, cultural events/competitions etc. were organized virtually albeit with some restrictions. The induction program for the new batch had a quiz competition and talent show in the itinerary as usual in addition to industry expert talks. The much awaited 'Fresher's Party' organized by seniors for newly admitted students was also celebrated online and enjoyed to fullest. You will find all these details inside this issue.

Surprisingly, the New Normal situation did not deter placement activities of the university. The students even embarked on their professional path in the reputed companies. This issue also unfolds an interesting and notable initiative 'Turning Point' by bringing industry experience and the wisdom of the senior leaders of our parent company, Cadila Pharmaceuticals Ltd. The objective is aligned with the NEP (New Education Policy) of giving exposure to our students with practical insights from industry experts. We wish to continue making upcoming issues more exciting capturing newer activities on the campus.

The Editorial Team of IU-Arena joins me in wishing you all a very Prosperous and Successful New Year 2021 opening up in the bright dawn.

Dr. Namrata Bajaj

Dignitaries on Campus

Indrashil University was privileged to have hosted sessions of many notable scientists, industry and academic experts from across the nation on its Cloud platform (Virtual) under the New Normal circumstances.



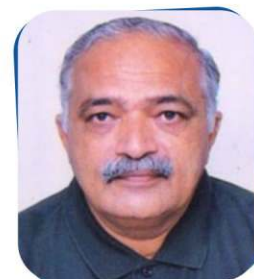
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Hyderabad



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Ex Prof. & Head
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BRS Faculty Fellow,
Bhavnagar University



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National Centre for
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Chief Mentoring Officer
Cadila Pharmaceuticals Ltd.



Dr. Jaspal Singh
Chief Technical Officer
Saurav Chemicals Ltd.



Prof. Samish Dalal
S P Jain School of
Global Management

Events

Induction Program 2020

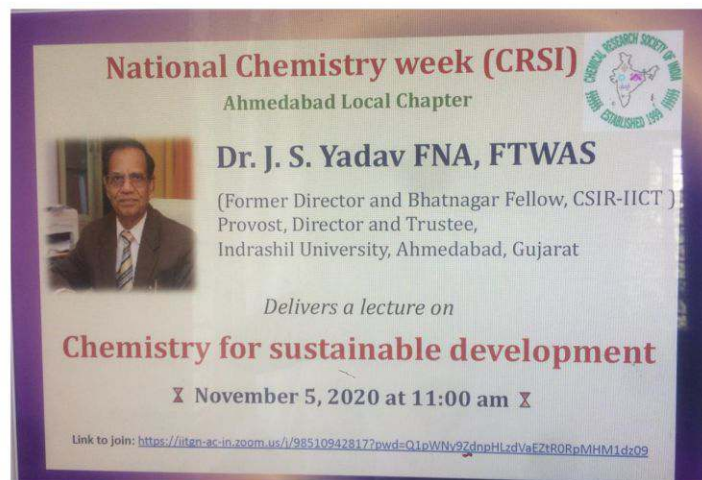
Indrashil University organized its 3rd Induction programme on virtual platform Zoom in October, 2020. Although the pandemic disrupted the routine academic activities at the campus, it could not dampen the spirit by far. For the safety of students and other stakeholders, IU went online for its induction of new batch of students separately for PG and UG programmes starting from November 8, 2020. The three-day programme had an inaugural session with the lighting of the lamp and Saraswati Vandana in obeisance to the Indian tradition of seeking blessings from the Goddess of Knowledge. It was followed by the address of the Chief Guest from the industry – Mr. Sandip Parekh, Dr. Avani Mehta and Mr. Pratik Jani who shared their expertise with the newly inducted students of science and engineering and made them aware about the industry expectations. Later, the students were introduced to academic regulations, examination policy, industry practices, club activities, sports facilities etc. at IU. The second day of the induction program demonstrated lab facilities at IU virtually. The last day culminated into a Talent Show and Quiz Competition which saw active participation by the students.



Webinar Series: Instrumentation techniques

- School of Sciences, IU, organized a webinar on instrumentation techniques with Thermo Fisher Scientific from May 26 - 27, 2020.

Webinar Series: Science and Technology for the service of Mankind



Indrashil University and Dr. J. S. Yadav Foundation Group (IICT-Hyderabad) jointly celebrated the 70th birthday of Dr. J. S. Yadav (Provost IU and Ex director IICT-H) on August 4th, 2020. On the same day, an International webinar “Nature Inspired Initiatives in Chemical Trends (NIICT)” conducted by Dr. J. S. Yadav foundation and IU. Eminent speakers like Goverdhan Mehta, Krishna P. Kaliappan (IIT Bombay) & Dr. Rene Gree (FNSc, France) shared their views in the webinar.

- A webinar by IU on Science and technology for building a new India where Prof. Nisheeth Desai and Dr. Unnat Pandit delivered a lecture on Development of Scientific Temperament for Futuristic Careers, May 14, 2020.
- Dr. Rajamannar Thennati, Executive Vice President and Advisor to MD, Head, High Impact Innovations – Sustainable Health Solutions, Sun Pharmaceutical Industries Ltd. delivered a talk on Indigenization of Intermediate and Bulk Drugs in India – Ramping Process R&D July 30, 2020.
- Dr. Jaspal Singh, CTO, Saurav Chemicals Limited. API Technology Development and Challenge on July 30, 2020.
- Dr. B. Gopalan, Scientific Advisor, Crop Protection Chemicals Research Division, Indian Institute of Chemical Technology, Hyderabad, Ramping up Process Research & Development in Pharma industry, July 30, 2020.
- Sandip Parekh, CEO Synergia Sciences delivered a talk on Indigenization of Intermediates and bulk drugs in India - Dependence on China & Ramping process R&D, July 30, 2020.
- Prof. Samish Dalal, S P Jain School of Global Management delivered talk on Start-up and Innovation Opportunities in Family Business & Entrepreneurship Post COVID19 on July 3, 2020.
- “CSIR Interventions of COVID 19” by Dr. Ram Vishwakarma along with Dr. Bakulesh Khamar, July 22, 2020

MoUs : Oracle & ICT Academy

An MoU between the IU and Oracle & ICT Academy, School of Engineering (SoE) was signed. The objectives include Faculty Development Programmes, free access to International Journals, Bridge Conference series, Student Skill Development Programme, academic alliances with Oracle Academy for Amazon Web Services, Automation, Cisco, Autodesk etc., AWS Educate for Cloud Program Verification, Palo Alto AAC (Authorized Academic Partner, Oracle Academy institutional memberships.



New Programme Launch: PGDEHS (Post Graduate diploma in Environment, Health and Safety)

The changing face of industry today demands a niche profile for Environment, Health and Safety. The need for a customized program in this area has been felt for decades. Indrashil University has sensed the pulse of the industry requirement and initiated a one-year practical oriented program. The course curriculum is designed and developed meticulously with inputs from academic and industry experts on different aspects of health, safety and environment.

- COVID Myths and facts: Challenges Pre and Post COVID 19 by Apollo Hospital doctors -Dr. Manoj K Singh and Dr. Ritesh A. Gajjar threw light busting myths related to Covid-19, Aug 26, 2020.
- The versatility and excitement of Chemical Engineering: A seamless and accommodative profession by Prof. G D Yadav, September 3, 2020.
- Opportunities in Chemistry: The Central, Useful and Creative Science by Dr. Uday Maitra, IISc Bangalore on September 11, 2020
- IU organized a webinar on "The Mind is a beautiful Servant, but a dangerous Master" on September 24, 2020. Dr. P. K. Mishra explained the functioning of the human mind in youth and adolescence.
- Dr. C.H Mohan Rao, former Director- CCMB delivered a talk on "Modern Biology and Medicine" October 22, 2020.

Advanced Technology as a part of Startup India

1. Dr. Sunil Kumar, delivered talk on "Advanced Technology as a Part of Startup in India": Cyber/ Data security: A practical Approach", August 18, 2020.
2. Dr. Suni Ghildiyal, Associate Professor delivered a lecture on "Role of ICT in education system post COVID 19" August 20, 2020.
3. Dr. Ankur Dumka, Associate Professor delivered a lecture on "Software defined networks (SDN)- A New and Innovative approach to network" August 24, 2020
4. Dr. Amit Kumar, Associate Professor delivered a lecture on "The Emergence of Artificial Intelligence (AI) and Machine learning (ML), August 26, 2020
5. Dr. Vandana Rana, Associate Professor delivered a lecture on "Computers and career are going to rub shoulders in the future: A Startup Perspective" August 29, 2020.

IU in Media

ઈતરપ્રવૃત્તિ સાથે શિક્ષણ આપતી યુનિવર્સિટી

કેડિલા ફાર્માસ્યુટિકલ લિમિટેડના ચેરમેન અને મેનેજિંગ ડિરેક્ટર તથા IIT-ગુવાહાટી ખાતે બોર્ડ ઓફ ગવર્નન્સના ચેરમેન ડૉ.રાજીવ મોદીનું સ્વખશીલ સંસ્થાન એટલે ઈન્દ્રશિલ યુનિવર્સિટી કે જેની સ્થાપના વર્ષ 2018માં અમદાવાદ - મેહસાણા હાઈવે પર કડી ખાતે કરવામાં આવી છે. કોરોનાની મહામારી પણ ઈન્દ્રશિલ યુનિવર્સિટીનાં અભ્યાસ અને નવું શીખવાની ઈચ્છા પર કોઈ અસર કરી શકી નથી. ઈન્દ્રશિલ યુનિવર્સિટીમાં ઈન્ક્યુબેશન સેન્ટર એનાયત થયેલ છે જેના અંતર્ગત "સાયન્સ એન્ડ ટેકનોલોજી ફોર એન્ડ" ના અનુસંધાને



ડૉ.રાજીવ મોદી
ઈન્દ્રશિલ યુનિવર્સિટી

IICT, LVPEI scientists in world top list

Senior scientists from two Hyderabad-based research institutions Indian Institute of Chemical Technology (IICT) and LV Prasad Eye Institute (LVPEI) have been listed among top scientists in their respective fields of research in a Stanford University study that was published in the prestigious Plos journal. The Stanford study 'Updated science-wide author databases of standardized citation indicators' included 16 scientists from CSIR-IICT and five scientists from LVPEI in the list. The IICT has topped among all India with 16 scientists figuring among two per cent of the world's top scientists.



list include Dr Venkata Mohan in Biotechnology, Dr Darshan Ranganathan in General Chemistry, Dr SV Manoj Kumar, Dr C Ganeshwar, Dr Jyoti Rao in Medicinal Chemistry, former IICR Director, Dr JS Yadav, Dr G Sabitha, Dr Bhanu Das, present IICT Director Dr Srihari Chandrasekhar, Dr HM Meshram, Dr RV Subba Reddy in Organic Chemistry. Chittaranjan Patra in Nanoscience. From LVPEI, Founder Chair Dr Gullapalli N Rao, senior scientist and Director Eye Research Centre, Prof D Balasubramanian, Director, Laboratory Services, Dr Savitri Sharma, visiting professor, Jili Keefe have been featured in the database of top scientists under the discipline Ophthalmology. Distinguished scientist and former Director, Prof D



UNIVERSITY NEWS
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Shirish Chindhade and Anjali Patwardhan
Kulkarni
Operating Higher Education Institutions During COVID-19: The Road Ahead
Haren B Gosai, Nisheeth C Desai and Bharti P Dave
Digital Tools to Combat COVID-19 Pandemic

Brijmohan Dayma and M Shrikant Pandya
Alternative Models of Curriculum for Increasing Employability and Entrepreneurship of B.Com Graduates
Commonwealth of Learning
Commonwealth of Learning Guidelines on Distance Education During COVID-19

CADMIUM: Cadmium contamination at Okha in Gujarat is as high as 17.83 micrograms to 61.41 micrograms, nickel ranged from 11.31 micrograms to 37.43 micrograms, chromium ranged from 32.26 to 67.44 micrograms, cadmium ranged from 0.01 and 0.3 micrograms while lead was found to be between 8 and 16.4 micrograms at these 10 sampling stations. The locations considered for the study were Okha, Gopipl, Pindara, Dhani, Salaya, two places in Narara, Sikka, Rozi, and Jodiya. The study observed that the presence of heavy metals in tissues of aquatic organisms like fish, planktons, molluscs and algae inhabiting coastal areas has also been reported. Bioaccumulation of heavy metals in marine organisms contributes to genetic damage by inducing double-strand breaks in DNA and inhibits critical proteins in DNA repair. The study involved department of life sciences, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar department of biosciences, Indrashil University, Rajpur and Gujarat Ecology Society, Vadodara. A similar scenario was also observed at Okha in the western part of the gulf where metallurgical, agro-based industries, mineral-based and chemical industries were located. "Land mining activities near Pindara are a major influencing factor for sediment contamination," the study claimed.

Expressions

Present Engineering Education in India- Combating Challenges and its Future

Dr. Amish Vyas, Dean, School of Engineering



There are more than 11,000 engineering institutions in India with a total intake capacity of above 32,00,000 students per annum. Against that, only 18,00,000 students enrolled in the year 2019-20. (Ref: <https://facilities.aicteindia.org/dashboard/pages/dashboardaicta.php> dated 06-12-2020). The number of faculty available against that in total are more than 5,50,000. Statistically, the student - teacher ratio seems good on paper but the reality is different. Now, the major problem lies in the placement. Out of 18,00,000 enrolled students only about 7,70,000 got the placements. That is less than 50% of the enrolled students. This is one of the major drawbacks for engineering education in India. The scenario mentioned above is seen since year 2012-13.

It was the time when India was very strong in the theory of engineering whereas the western countries were good in practice. Most Indians make miracles in engineering abroad due to very strong theoretical fundamentals which were applied in practice with the opportunities available to them. India has a very bright future in terms of engineering education with a specific disciplined education with a multi-disciplinary approach. Clearly, there will be no more chemical engineering or mechanical engineering or computer engineering, rather it will be only engineering with a bunch of courses opted for by the student.

The New Education Policy is boosting the same concept, of course not fully, but partially. The current scenario may not seem so hopeful in engineering education, but one should understand that now engineering education is shifting from the well developed countries to the developing countries and emerging countries. They are doing well. India has a fantastic future for engineering education.

Under Industry 4.0 revolution, the solution is not an incremental improvement in the current framework. We need to re-imagine engineering education in India.

A recent report by MIT titled "The Global State of the Art in Engineering Education" states that the future leaders in engineering education will focus on:

1. Work-based learning
2. Multidisciplinary programs

3. A dual emphasis on engineering design and self-reflection.

It lists three trends which will define the profile of leading programs:

1. Shift of the global axis of engineering leadership from high income countries to emerging economies.
2. Move towards "socially relevant and outward facing engineering curricula"
3. The emergence of a new generation of leaders in engineering education that delivers integrated student centric curricula at scale.

No doubt it's been a tough time for engineering education in India due to a number of factors and people's mindsets but not limited to -

1. Post engineering employment opportunities
2. Coping with the engineering industry revolutions and innovations
3. Conventional way of teaching-learning.
4. School education scenario of the past ten years affecting



analytical and mathematical skills of students

5. Diverted focus of the education system
6. More focus on early business startup
7. Cost of education and rewards against the investment
8. Shift in student centricity (more attraction to metros compared to remote locations)
9. Lack of thinking process, innovation, creativity, listening ability, self confidence and independent decision making capacity.

In an effort to match the pace of engineering education worldwide and need of future jobs, India needs to revamp the engineering education with the following corrective measures and adoptions in curricula and statutory norms, but not limited to:

1. Statutory bodies helping engineering institutions in developing quality education rather than just taking punitive actions.
2. Faculty to student ratio must be considered based on the actual intake in place of sanctioned intake.
3. Blended learning is more realistic compared to focusing only on outcome based education.
4. Active industry involvement, not only sector specific, in deciding the curriculum of engineering is very essential at large.
5. There must be focus on the general programmes at the undergraduate level. This will help to develop the specific set of analytical and technical skills along with technical skills.

6. More Masters programmes can be offered considering the long term need of the industry.

7. The focus should not be making the students busy but active and skilled.

8. Research institutions and teaching institutions must be identified separately as well as the faculty.

9. Engineering education must be made affordable to the common people.

10. Concept of sharing laboratories and other resources among different nearby institutes must be permitted to make engineering education affordable and more quality-based.

11. Online courses must be encouraged along with the centre of external studies where students can perform experiments.

In addition to above factors, other common factors currently affecting engineering education must be considered and need to be addressed by the authority and common people:

1. Existing capacity utilization in terms of students' intake.
2. Employability of engineering graduates.
3. Future skill demand and attributes of undergraduate engineering education like engineering knowledge, problem analysis, design and development solution, conducting investigation of complex problems, Modern tool usage, the engineer and the society, environment and sustainability, ethics, individual and team work, communication, project management and finance, life-long learning, etc.
4. Development of technical skills, soft or professional skills, and a professional attitude.
5. Industry-academia partnerships.
6. Identifying the future demand for engineering disciplines (four years forecasting).

New areas

While mechanical, civil, electrical, chemical engineering have become more old school and have taken a back seat in the popularity chart, fields such as computer science, electronics and communication, aeronautical and biochemical engineering have come to the forefront. These are the disciplines where most jobs are generated now as more and more businesses invest in these fields. Companies like Biocon, GSK, Zydus, CPL, etc hire a significant number of Biotech engineers. The ISRO (Indian Space Research Org), ADE (Aeronautical Development Establishment), NAL (National Aeronautics Laboratories), HAL (Hindustan Aeronautics Ltd) hire aeronautical engineers.

The more advanced specializations which are upcoming and have begun to percolate in the engineering curriculum are Artificial intelligence, Robotics and Automation, Cyber security, Data Science,

Internet of Things, Nano Science etc. These fields are up-and-coming for the future generation of Indian engineers and some engineering colleges have introduced these subjects in their course.

Where is it headed?

Nobody has been able to predict the course of science and technology. It is unpredictable and marches on in unprecedented territories. For this to happen, the world needs the best minds to study and put the knowledge of such technologies to use. This is the expectation of the GenNext engineers of India.

So, no, the saturation level has not been reached and is undoubtedly not likely in the coming years.

Conclusion

India is a future dominating economy and looking at the development of the manufacturing sector along with the service sector, there will be a huge demand for engineers within the country. Correct counselling and guidance in the selection of the right branch as per the future's demand, psychometric study of the student, ice breaking and mentoring will definitely help the future

India is a future dominating economy and looking at the development of the manufacturing sector along with the service sector, there will be a huge demand for engineers within the country.



engineers to come up with a new set of skills.

So, overall, no country can survive without engineers and quality engineering education. It is a tough time for not only India, but worldwide which is about to complete and engineering will be back on the track with new employment opportunities and quality changes. The government is constantly analyzing the engineering education and industry scenario. Being wise in the selection of the engineering branches and those who proved themselves during the study by way of 360° performance are not facing any problem in employment or higher study. The faculty needs to keep themselves updated and focus more on the development of students. Industry collaborations and internships always help in making the students industry ready. Post Covid-19, all the geographical boundaries are removed for the study and pursuit of courses from reputed international universities. This new normal helps a lot to improve the future of engineering education for student and faculty both.

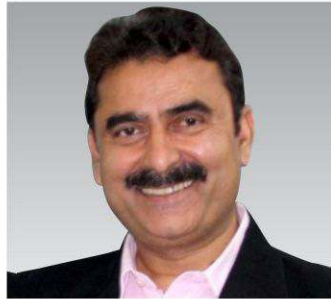
Industry Alliances

Turning Point-Webinar Series

Envisioned by Dr. Rajiv I Modi, President-IU Governing Body, an initiative 'Turning Point' webinar series is aimed to synergize academia with industry. Each webinar has Cadila leaders as key speakers, sharing their rich experience and wisdom with IU students on topics of their expertise. The know-how of industry, success mantras, traits of professionalism and the like are the key takeaways for the students. It's a unique step that IU has taken much ahead of new NEP (National Education Policy) slated in late September this year. This exposure to students beyond the syllabus and classrooms instils in them confidence and values strengthening their base along with academic learning at the university and making them industry ready professionals.



Ravindra Pulanur
COO - IRM group of companies



O P Singh
President, Sales and Marketing - CPL



Jignesh Desai
Head, Branded Finance - CPL



Johnson Mathew
CHRO - IRM Group



Mahidhwaj Sisodia
Head, International Business - CPL



P K Rajput
Sr VP, Sales and Marketing - CPL



Aditya Vikram Singh
AVP, Sales and Marketing - CPL



Smita Holey
AVP, International Business - CPL



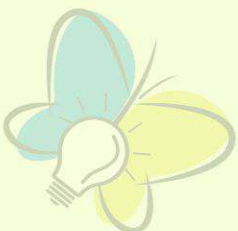
Puja Asopa
GM, Corporate communications - CPL



Vipin Sethi
Sr. DGM, International Business - CPL



Pradeep Singh Rathaur
Sr Manager, L&D - CPL



Startup and Innovation

MEGA START-UP CHALLENGE

Under Atal Incubation Centre, a competition was organized on “Opportunities in Healthcare to Build Atmanirbhar Bharat Post COVID- 19” June 4, 2020. A huge number of participants registered in the event “Healthcare to Build Atmanirbhar Bharat Post COVID- 19” exhibiting their innovative ideas.

First winner of Innovative Ideas Competition on “Opportunities in Healthcare to Build Atmanirbhar Bharat Post COVID- 19”



Jitendra Hari Singh

Topic:Immunospray – Healthcare

Second Joint Winners



Dr. Subrota Hati

Topic: Probiotic - Food Processing



Siddhant Deepak Pradhan

Topic: The Covid19 Diagnosis Breath

Third Joint Winners (Team-1)

Topic: Sanitize Vegetables and Fruits



Jaydeep Gajjar



Sandeep Sharma

Third Joint Winners (Team-2)

Topic: Portable Sanitizing Machine-Cost Effective Sanitization for Covid-19



Pushprajsinh Chauhan



Roma Patel



Jignesh Gal

Achievements

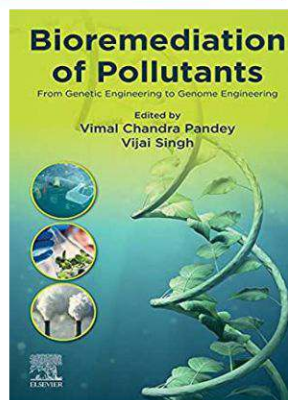
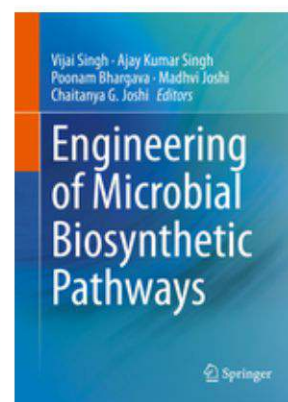
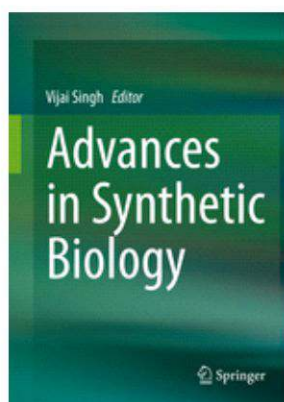
Faculty

Paper publications

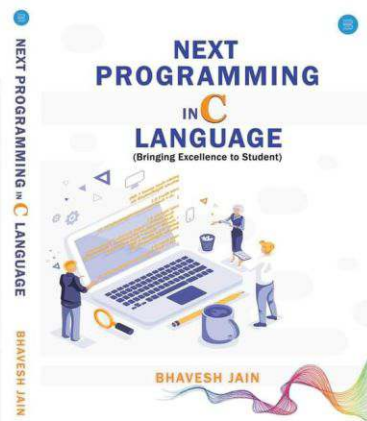
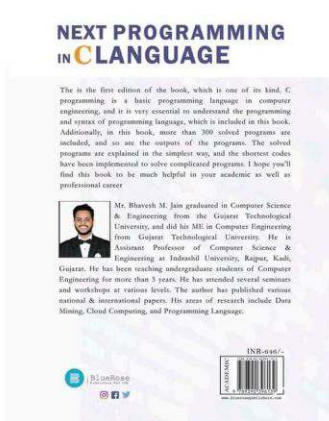
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Patents

- Synthesis of novel intermediate(s) for preparing rivastigmine. E. GyanChander, Jhillu Singh Yadav, Pranav, V, Nutan.V, Chentan. B, Khammar B.K. Patent submitted in India, Korea and US ref No. Patent application no IN201821036203, KN10-2019-0117143, US 16/582,303. Ref No US20200095195A1.
- Dr. Sumit Chaudhary , Smart COVID Scanner: portable and Affordable scanner to detect COVID-19 Virus, International Patent, Patent 2020101728
- Dr . Sumit Chaudhary ,Customised Identity Management System (CIMS)for smart city Infrastructure Platform through blockchain , International patent , Patent 2020101845

Invited as expert

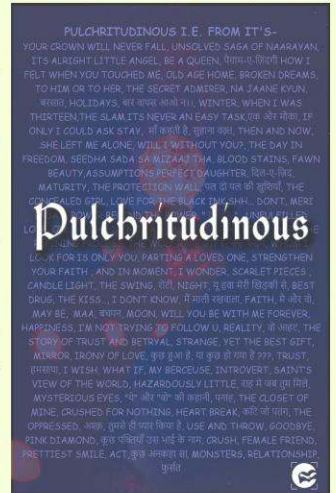
- Dr.Namrata Bajaj invited as external reviewer, to the first review meeting of Ph.D scholar - Ms. Ambareen Sultana, PDU, Gandhinagar, July 7, 2020
- Dr. Poulomi Sengupta had been invited by Chemical Engineering Department, Aditya Silver Oak Institute of Technology. GUJCOST sponsored webinar on "Recent Trends in Nanoscience and Nanotechnology (RTNN-20)" on December 1 2020

Students

- Research proposal of Mr. Vivek Singh Kshetriya, PhD student, has technically received approval for prestigious ICMR SRF Fellowship
- Mr. Nisarg Gohil, PhD student, is awarded "ICMR-SRF 2020" (Indian Council of Medical Research-Senior Research Fellowship) in March-2020 funded by ICMR
- Mr. Nisarg Gohil, PhD student, is awarded "Best Scholar Award" for "2nd International Research Awards in Science, Health & Engineering" by Science Father, April 2020
- Eleven PhD students, 1) Mr. Manoj Gayke, 2) Mr. Hanuman Narode, 3) Mr. Vikrant Pandya, 4) Mr. Ravi Kalariya, 5) Ms. Aishwarya Waghchoure, 6) Mr. Balraju Gangapuram,

7) Mr. Prakash Gupta, 8) Mr. Siddhanath Bhosle, 9) Mr. Shivanand Itage, 10) Mr. Thir Mehemoood, 11) Mr. Nisarg Gohil are awarded scholarship under SHODH -Scheme for Developing High quality research by Government of Gujarat, May 2020

- Ankit Singh & Dhara Choudhary Semester V students, School of science, published a book, titled "Pulchritudinous" 15th Aug 2020, Squirrel publications



Placements

100% placement assistance was provided to all eligible students who passed out in the academic year 2019-20.

The University's placement and internship assistance companies are:



Activities on Campus

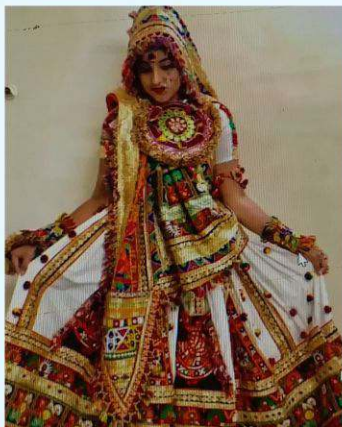
Celebrations Ganeshutsav

IU celebrated Ganeshutsav with great fervour maintaining social distance.



Navratri

IU Cultural Committee organized the online Maa Ambe Aarti and Garba competition on October 24, 2020. Students showed enthusiasm and actively participated in the event. The spirit of the students was not dampened by Covid-19 and they continued their passion for celebrating Navratri virtually. They participated enthusiastically in the Garba competition by sending their pre-recorded videos for the categories like Best Costume (Male/Female), Best Garba Steps and Best Dandiya.



Fresher's Party

On October 30, 2020, an online Fresher's Party was hosted by senior students of Science and Engineering, for the batch of 2020. The students participated very actively in the event. They qualified for two rounds before reaching the final round and winning Mr. Fresh and Ms Fresh titles in their respective streams.



National Day

Independence Day was celebrated at IU on August 15, 2020. Provost Dr. J.S.Yadav delivered his message regarding COVID- 19 pandemic and safety measures to be taken during the period. All teaching and non-teaching staff attended the occasion.



Virtual Independence Day Celebrations

A quiz competition named 'Freedom Movement of India' was organised on August 15, 2020. The IU cultural committee enhanced the knowledge about freedom fighters and independence among students. The students sang patriotic songs on the occasion.



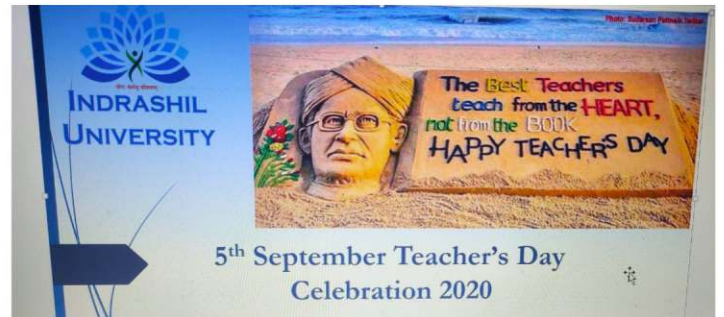
Rangoli competition

On the occasion of Diwali, IU organized a Rangoli competition on November 11, 2020. The faculty and staff proactively participated in the event.



Teacher's Day

The Student Activity Cell organized Teacher's Day on September 5, 2020. The students actively participated making videos and cards expressing gratitude towards their teachers.



Constitution Day celebration

Students celebrated Constitution Day by reading 11 fundamental duties of Indian citizen in English, Hindi and Gujarati language on November 26, 2020.

Right to Vote

A campaign named 'Right to vote' in collaboration with the Collectorate Office, Mehsana, for online voter registration and awareness among youth was organized online for IU students on November 26, 2020.



Engineer's Day

IU celebrated Engineer's Day to pay tribute to the engineers of society. Young engineers made posters presentations on September 14, 2020.



Meditation session

The Security team from Cadila Pharmaceuticals was invited to IU for a meditation session. It gave a sense of calm and peace along with an insight to faculty and staff about its positive impact on emotional well-being and overall health.



Fire and safety training

A fire and safety training session was organized on Nov 6, 2020 at IU for saving lives and minimising the damage caused by fire.



Club Activities

Eco Club

World Environment Day

World Environment Day is celebrated every year on June 5 across the globe. All the faculty members and staff actively participate in the event. It is observed as a day on which awareness about the environment and the need to conserve is practised.



Wetland Nature Trail

About 45 students participated in an online nature trail to learn about wetlands by educators of Serenity Library and Botanical Garden. Different components of wetlands and ecosystem services of wetland was the major part of the trail. The explanation also involved wetland associated plant species, insects and their functional role in wetlands.

Art and Literary Club

Debate competition

The Student Activity Cell hosted the first of its kind online debate competition on Zoom for IU students. The Art and Literary Club Committee organized the activity for all the students of undergraduates and graduate programs. The theme of the debate centred around the effect of the SARS-COV 2 (COVID -19) pandemic and its impact on education, health, economy, rural and urban life. Around 24 students were shortlisted for the competition held virtually on July 25, 2020. The students enthusiastically participated and opined their views in proposition and opposition on the topics given to them.



Tech Club

National Thermal Engineer Day

July 24th is observed as National Thermal Engineer Day to celebrate the contributions of Thermal engineers on one of the hottest days of the year. Electronics thermal management is pivotal for its longevity and reliable operations. All mechanical and chemical engineering students, faculty members expressed their views on the importance of thermal engineering.

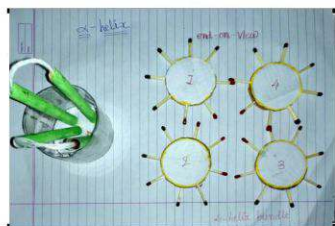


Science Club

Protein Structure Models preparation & Poster preparation on Food Web

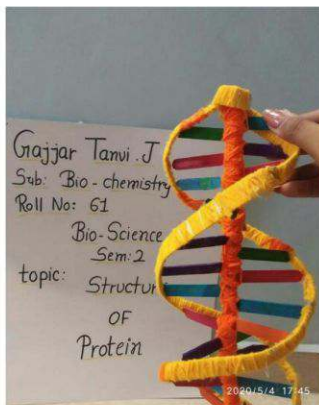
Protein Structure Models were prepared by Bioscience undergraduate students with a caption "Creativity doesn't wait for perfect movement"

Protein Structure Model Assignment by BSc Bioscience 2nd Semester 2020 at IU



MODEL: α-helix end-on-view

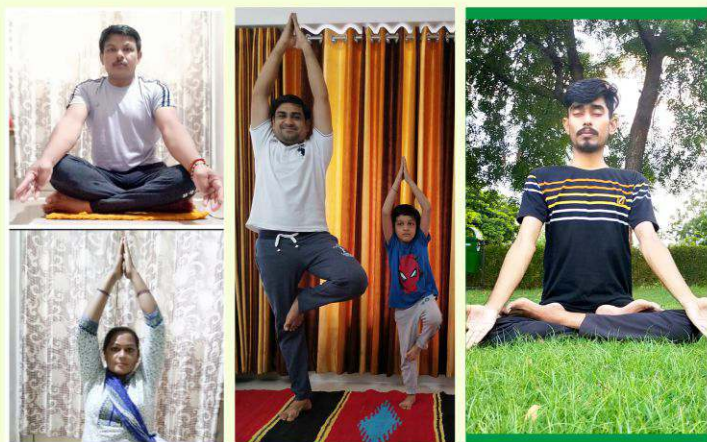
Protein Structure Model Assignment by BSc Bioscience 2nd Semester 2020 at IU



MODEL: Double Helical Structure of DNA 3D view
Made: Sticks and string

Yoga & Meditation Club

Yoga and Meditation Club organised Yoga@ Home on International Yoga Day amidst the lockdown. Faculty and staff participated from home with their family on June 21, 2020.



Sports Club

Fit India Activity

Indrashil University complied with the AICTE initiative 'Fit India' initiative indulging in various fitness activities right from sports to exercises and tried to remain physically active during the lockdown period.



Cultural Club

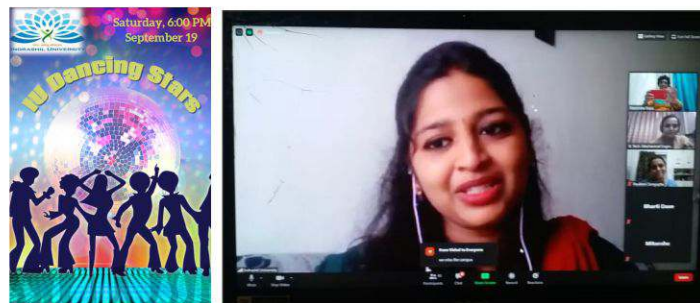
Singing Competition

The Cultural Committee organized an online singing competition - Voice of IU on September 12, 2020. Students shared their pre-recorded videos while others participated live on Zoom in the competition. The program also saw a quiz competition on music and instruments for students which received a lot of appreciation.



Dance competition

An online dance competition for IU students was conducted on September 19, 2020. Students recorded videos of their dance talent and the cultural committee played it on Zoom drawing huge rounds of applause from audience and participants.



Photography Club

Photography competition

A photography competition was organized for Bioscience students with 'Nature' as the theme.



Community Service

Dr. Meena Amin, (MBBS, MS) delivered a talk on “Iron deficiency anaemia - A major cause of concern in young and adolescents” on June 22, 2020 for female students of IU.



Awareness on organic farming

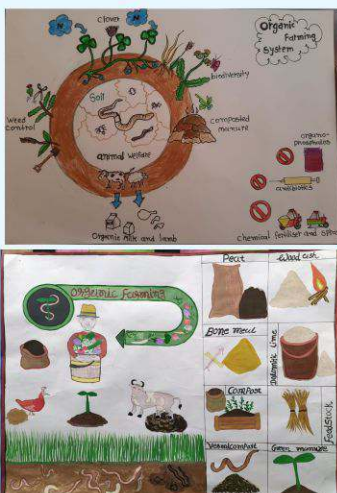
B.Sc. Biosciences and Chemistry students conducted an awareness program on 'Organic Farming' by visiting farms and the local Panchayat office in the rural areas. They discussed the benefits of using bio-fertilizers and the use of pesticide-free agriculture. They also educated the farmers about the long-lasting negative side effects of pesticides and chemical fertilizers. Students maintained all the social distancing norms, mouth, nose, and hand hygiene during the interactions. They promoted the concept of organic farming by creating relevant posters, short videos, power-point presentations etc. Most rewardingly, few students came forward and prepared bio-fertilizers on their own using buttermilk, neem leaves, etc., July-August, 2020.



Students interacting with farmers regarding organic farming

Posters on Social Media by urban students

The pandemic situation due to COVID 19 gave science students the idea to prepare posters which they posted on social media for creating awareness on organic farming.



Posters by Ms. Dhvani & Ms. Neelam, Department of Biosciences & Chemistry

Tree plantation activity

Engineering students of Semester III organized a Tree Plantation drive during lockdown. They actively participated in the activity by planting tree saplings in their residences.



Vaccination drive

On 14th July 2020, all IU members, i.e. faculty, admin and R & D staff were vaccinated with SEPSIVAC which was sponsored by Cadila Pharmaceuticals Ltd. The vaccination aimed at modulating the immunity of its employees and to shield them against COVID-19.



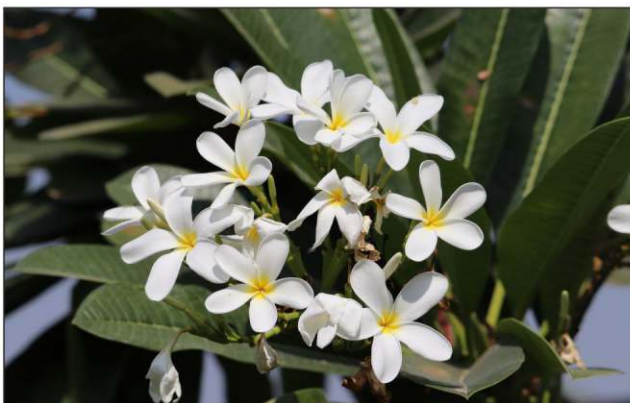
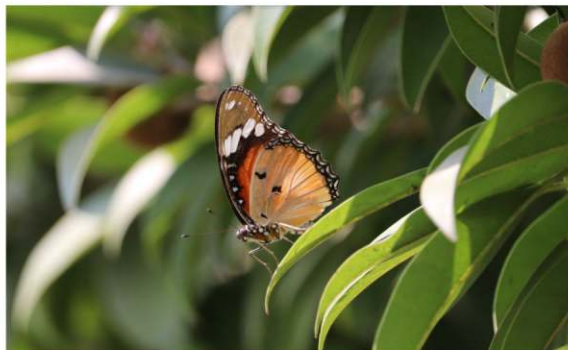
Sanitizer Distribution in Rajpur and Kadi

As community service, IU distributed sanitizers in its close vicinity where villagers, employees and the police department were provided with free sanitizers during lockdown period between May to July, 2020.



Flora & Fauna





Photography courtesy: Mr. Jayesh Rajput





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