योगः कर्मसु कौशलम्
INDRASHIL UNIVERSITY
A LIFE SCIENCES UNIVERSITY
Sustained Excellence with Relevance

IU Arena

Volume 3, Issue 1, May 2022

News at a Glance

Convocation Coverage in Media

Navgujarat Samay


ઈન્દ્રશીલ યુનિવર્સિટીના 296 સ્નાતક વિદ્યાર્થીઓને પદવી એનાયત કરાઈ

Higher Education Digest


Indrashil University holds its maiden convocation

February 10, 2022
Editorial Team

Garvitakat.com

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ઈન્દ્રશીલ યુનિવર્સિટીમાં ૨૯૬ વિદ્યાર્થીઓને પદવી એનાયત

Prajasathi

Applyjob.com/Mahesana


Mahesana: કડીની ઈન્દ્રશીલ યુનિવર્સિટીનો પહેલો પદવીદાન સમારંભ યોજાયો, 14 વિદ્યાર્થીઓને મેડલ તથા રેન્ક સર્ટિફિકેટ અપાયાં

Sandesh


ઈન્દ્રશીલ યુનિવર્સિટીનો પદવીદાન સમારોહ યોજાયો

Praja Sevak


પ્રજા સેવક
ઈન્દ્રશીલ યુનિવર્સિટીનો પદવીદાન સમારંભ યોજાયો

Indrashil University 1st Convocation

TV9 Gujarati


Mahesana: કડીની ઈન્દ્રશીલ યુનિવર્સિટીનો પહેલો પદવીદાન સમારંભ યોજાયો, 14 વિદ્યાર્થીઓને મેડલ તથા રેન્ક સર્ટિફિકેટ અપાયાં

આ પદવીદાન સમારંભમાં કુલ 286 સ્નાતક અને અનુસ્નાતક વિદ્યાર્થીઓને પદવી આપવામાં આવી હતી તથા 14 વિદ્યાર્થીઓને મેડલ તથા રેન્ક સર્ટિફિકેટ આપવામાં આવ્યા હતા, વિદ્યાર્થીઓને માર્ગદર્શક બનવા અને પોતાની ક્ષમતા સિદ્ધ કરવા પ્રયત્નશીલ રહેવા સલાહ અપાઈ હતી

one india gujarati

Indian Education Diary

Indrashil University Holds Its Maiden Convocation

By India Education Diary... — Last Updated Feb 10, 2022

Share

Ahmedabad: Indrashil University, a first-of-its-kind university in Gujarat offering courses in Life Sciences with a focus on academic research and professional development, held its first convocation on Thursday, with great fervor. The chief guest at the convocation was an eminent scientist – Padma Shri Prof. Goverdhan Mehta, who is a member in the Russian, UK and German Academy of Sciences.

Indrashil University an initiative by Cadila Pharmaceuticals Ltd, covers all the major disciplines of basic sciences and engineering with a focus remaining on the study of Life Sciences all along. The university also provides industrial training through well-planned and charted programs that enable students to interact and get acquainted with industry professionals while understanding the workings of the industrial environment in the real sense.

The study of various fields in the subject of sciences along with engineering, hospital management and environment, health & safety are covered through various programs offered at the university. Project assignments are in-line with the industry and its workings enabling students to develop a more practical application of their learning from the classroom and become industry ready post completion of their studies.

Shri Maheswar Sahu, (Retd. IAS) Chairman- Board of Management, Indrashil University, addressed the convocation and read the message on behalf of the President- Dr. Rajiv I. Modi to the graduating students. Dr. Rajiv Modi conveyed his wishes to the students and stated that while focusing on the golden trio of research, academia, and industry, IU aims to build ATMA NIRBHAR BHARAT in its purest form. In the present era, it is imperative to

HBN News

Sugermint

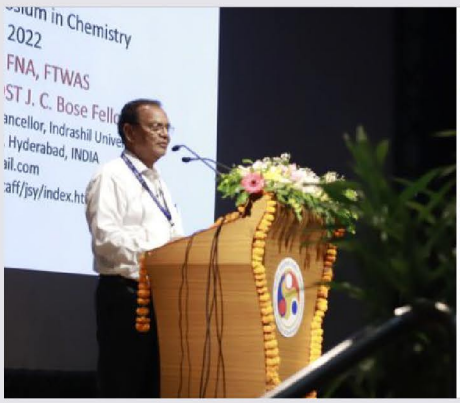
Indrashil University holds its maiden convocation

A Proud moment...

Indrashil university congratulates Dr. J. S Yadav for his recognition by Stanford University, USA in the list of top 2% Scientists worldwide, 2020 in the category of Organic Chemistry. He has been ranked as no. 1 in India and no.211 out of 1,44,918 scientists in the World.

Golden Recognition

CRSI (Chemical Research Society of India) honored Dr. J.S.Yadav, Provost, IU with the Gold Medal of the year 2022 for his significant contribution in Organic Synthesis. The award ceremony was held in the CRSI NSC-28 Symposium at IIT-Guwahati, March 23-27, 2022.



Best Research & Innovative University Award

Indrashil University received an award in the category of ' Best Research & Innovative University' for 2022 in a graceful ceremony hosted by VTV, April 29, 2022. Dr. Bharti Dave, Dean-School of Science received the award and certificate from Shri Jitubhai Vaghani, Hon'ble Minister of Higher Education, Gujarat Government.

Inside this issue

Editorial

From February 2022 onwards, everyone saw positive changes gaining momentum. We at IU hosted our debut Convocation on a graceful note with complete enthusiasm and energy. The invested time and industrious mettle of students and faculty attended the day with smile and contentment clearly reflecting on their faces.

And the proud moments kept rolling in with Gold Medal being conferred upon our Provost- Dr. J.S. Yadav for his significant contribution in organic chemistry. This period also added silver lining to IU with 'Best Research and Innovation' award. Students and faculty were not behind in bringing accolades to the university with their achievements, publications and research grants. Care for society, Youth Day, National Science Day, Days Celebrations, International Women Day, Wild-life week, Earth Day added highlighted IU campus with rainbow hues. In nutshell, post Covid -19, the university has witnessed a very productive phase. And again, the nature seemed to be in tandem with spirited life at IU.

So with smile, continue reading the fresh episode…

Namrata Bajaj

From the Provost's Desk

In a short span of 4 years, IU has fetched second award as 'Best Research and Innovation University' in Gujarat region. This affirms our commitment and alignment with IU's vision and mission- i.e. to be known as world Class University with focus on life sciences and allied areas. Our first convocation reflects rigors of both, students and faculty culminating into recognition and realization of all the stake holders.

Since inception, we have ensured a lot of vibrancy to happen at Indrashil University in all the spheres of academic as well as other-activities like research, start-ups and innovations, strengthening Industry linkages and the likes. It has an ideal atmosphere where academic is blended with research and industry requirement in tune to NEP (New National Education Policy). This has edged our students to multi-faceted and multi-disciplinary learning using digital platform in tune to the industry requirement today.

Apart from academic excellence practices, IU has taken an extra mile to give opportunity to our students in becoming entrepreneurs and support their family business or make new avenues in the start-up and entrepreneurship journey. This step is in resonance with the nation's united objective of 'Atmanirbhar Bharat'.

Best Wishes,

Dr. J.S.Yadav

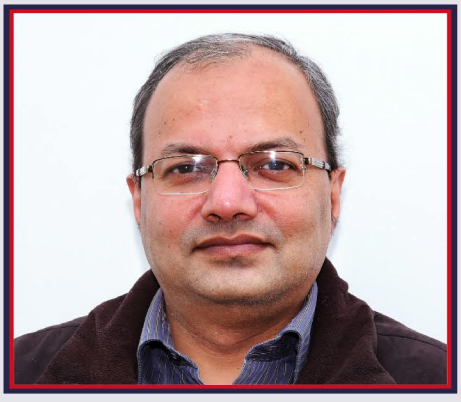
Dignitaries on the Campus

Light of knowledge, wisdom and experience is shared with IU on a continuous basis with experts from industry and academia, online and offline, across sundry areas.

Padmashri-Prof Goverdhan Mehta
Indian researcher and chemical scientist
FNA, FASc, FRS, FRSC

Dr. Lalit Garg
Senior Lecturer
Computer Information Systems,
Faculty of Information & Communication Technology
University of Malta, Malta, Europe

Dr. Gautam Biswas
J C Bose National Fellow & Professor
Department of Mechanical Engineering
Indian Institute of Technology, Kanpur



Dr. Manindra Agrawal
Professor, Department of
Computer Science and Engineering
Indian Institute of Technology, Kanpur

Dr. Vijay S. Moholkar
Professor
Department of Chemical Engineering
Indian Institute of Technology, Guwahati

Dr. Pradip K. Dash
Professor
Department of Computer Science & Engineering
Indian Institute of Technology, Guwahati

Dr. L. Karthik
Scientist & Project Leader
(Synthetic Biology)
Salem Microbes Pvt. Ltd, Salem, Tamilnadu

Dr. Prasenjit Khanikar
Assistant Professor
Mechanical Engineering Department
Indian Institute of Technology, Guwahati

Maiden Convocation- Indrashil University

IU hosted its maiden convocation on Thursday, February 10, 2022 with great fervor.

Shri Maheswar Sahu, (Retd. IAS) Chairman- Board of Management, Indrashil University, addressed the convocation and read the message on behalf of President- Dr. Rajiv I. Modi to the graduating students. Dr. Rajiv Modi conveyed his wishes to the student and stated that while focusing on the golden trio of research, academia, and industry, IU aims to build ATMA NIRBHAR BHARAT in its purest form. In the present era, it is imperative to restructure higher education and remain relevant through constant updates in the syllabus structure and the inclusion of value-added training. IU is catering to the needs of regional students to scale up their knowledge and skills with a global competitive edge.





Further, in the address of Vice Chancellor- Dr. J.S. Yadav, a towering scientist in Organic Chemistry presented the institute's academic excellence, achievements, and futuristic approach in University's annual report. In a short span of three years, IU is emerging robustly in Gujarat as one of the leading life sciences universities with a significant contribution in research and innovation.

The chief guest at the convocation was an eminent scientist -Padma Shri Prof. Goverdhan Mehta, who is a member of the Russian, UK, and German Academy of Sciences. Congratulating the graduating students, Prof. Mehta said in his address to "always strive to their potential and live to their aspirations. Try to strike a balance between 'What you are', 'what you want to be' and 'what you should be'. He opined education as an essential enabler to navigate life's journey and a gateway to a productive and wholesome life. He emphasized the significance of 3 attributes that our brain should be sensitive towards, Humanism, humility and empathy. Recalling the contribution of founder chairman Shri Indravadan Modi in the pharmaceutical industry, he urged students to take inspiration from him and live up to the ideology of education as a tool to serve mankind.

A total of 296 graduates and postgraduate students were conferred degrees and 14 students were presented with medals and rank certificates at the convocation. The graduating students also took a convocation pledge.


Expressions:

Global Warming and Climate Change

Dr Harengiri Gosai
Assistant Professor
Department of Biosciences
School of Science

The terms global warming and climate change are often used vice versa; however, they are different from each other Climate change is defined as a change in Earth's temperature, air pressure, winds, precipitation etc. gradually over the years. Whereas, global warming is a contributing part to climate change by changing Earth's surface temperature due to effect of greenhouse gases. Therefore, while discussing rising temperature of Earth caused by greenhouse gases, global warming can be used instead of climate change. However, climate change is the more appropriate terminology while describing other long-term changes to the Earth's meteorological parameters.The term globalwarming was first used by geochemist Wallace Broecker's in 1975. However, before a century (1820s), scientists around the globe had started to study effect of greenhouse gases on Earth's surface temperature. Since then, scientists and policymakers have worked to better understand the workings of the atmosphere, and how to respond to challenges created by climate change

Various gases present in the Earth's atmosphere act as a blanket to trap heat from the sun and stop it from escaping back into space. This process is known as greenhouse effect and gases are known as greenhouse gases. Carbon dioxide, methane and nitrous oxide i.e. greenhouse gases, maintain the temperature and support life on Earth. In last century, these gases increased significantly resulting into temperature rising globally. .

Causes of climate change

Natural and anthropogenic activities on Earth constantly affect greenhouse gases which is summarizes in Fig. 1. Decay of plant and animal matter affect concentration of carbon dioxide in the atmosphere. Changes in Earth's coat also affect weather and ultimately led to the changes in Sun's output of radiation. Volcanic eruptions also discharge greenhouse gases and other pollutants into the atmosphere. National Aeronautics and Space Administration (NASA) and other agencies have reported that apart from natural factors are not only responsible for climate change but anthropogenic activities by human are also causing climate change. Naturally, two hundred billion metric tons of carbon dioxide releases into atmosphere annually. However, due to anthropogenic activities such as burning of fossil fuels extra seven billion metric tons of carbon dioxide releases which led to dramatic effect on the atmosphere. Deforestation has also played a role in this increase by eliminating forests that would otherwise absorb tons of carbon dioxide.

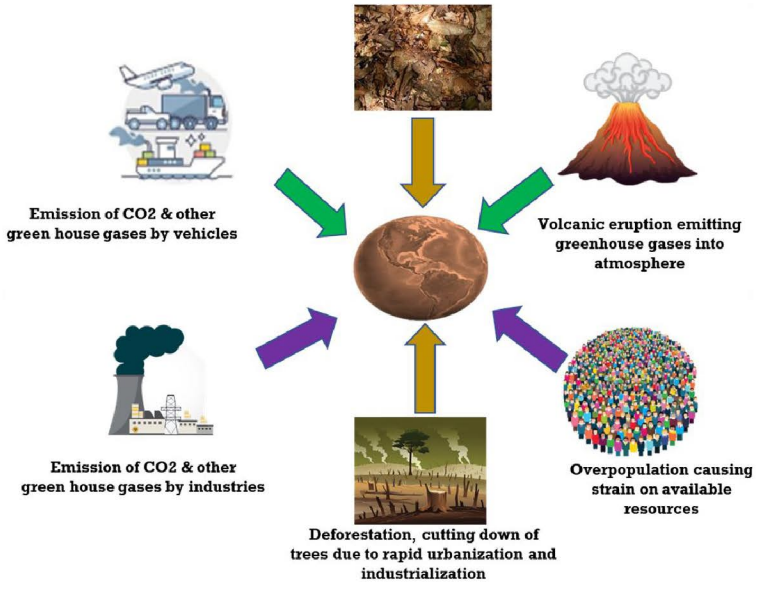


Fig. 1 Natural and anthropogenic activities causing climate change

Due to anthropogenic activities other greenhouse gases such as nitrous oxide and methane are also increasing in the atmosphere. Nitrous oxide resulted from the certain agricultural and industrial activities while methane emissions resulted from the burning of fossil fuels, landfills and livestock. Nitrous oxide and methane have more hazardous effect per pound on Earth's temperature compared to carbon dioxide. For example, methane is twenty-one times more potent compared to carbon dioxide. Such one incident reported in US history, where methane gas leak from California storage about five billion cubic feet gas into the atmosphere in 2015, released equivalent of the yearly exhaust emissions from almost six lakhs' automobiles. Humans have created and released greenhouse gases that do not occur in nature. These include hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF6). These gases, released during such industrial processes as aluminum production and electrical transmission, have thousands of times greater effect on the planet's temperature than carbon dioxide.

Effects of global warming

Since last three decade, the issue of global warming remains of great debate and uncertainty, also some researchers have predicted dramatic and serious problems for future generations. It is evident that in last three decades severe and more frequent hurricanes have hit different parts of the world. As the temperature increases, some parts of the world experienced frequent heat waves and sever drought and wildfires. During 1990s and first two decades of the twenty-first century, many areas of the world, especially, middle Asiahave endured record-breaking heat and drought. In 2013, a heat wave hit to Australia and hundreds of wildfires had been caused throughout the country. Recently, a study by Indian Institute of Technology, Gandhinagar have predicted that climate change will frequency of flash draughts in India in future, which will have a negative impact on crop production, irrigation demands and groundwater abstraction. These flash droughts occur due to rapid depletion of soil moisture due to increase in surface temperature of Earth. In 2018 California has further endured massive wildfires that have led to the displacement of thousands of residents, widespread destruction of property, and the deaths of at least eight people. Scientists have attributed the fires, which included the largest wildfire in California history to date, to the presence of extremely dry vegetation, brought on by rising temperatures, that created conditions that allowed the fires to spread rapidly and burn intensely.

Sea levels have been also raising due to climate change at many coastal areas around the globe. A report of World Meteorological Organization's (WMO) has revealed that sea levels along almost the entire Indian coast are rising faster than the global average, almost 4.5 millimetre per year between 2013 to 2021. Earlier this rate was half between 1993 to 2002. Such a sea-level rise could have major consequences for the millions of people living along the Indian coastline. While gradual erosion of the coastline, subsidence and inundation of deltas are a long-term concern for the people living close to the sea, the immediate concern is to do with the combined impact of tropical cyclones and sea-level rise.For instance, when a tropical cyclone occurs, the storm surge along with heavier rainfall, sea-level rise and high tides could make the resultant flooding much more intense and hence difficult to manage.

Global warming could have also major impact on agricultural activities; drought could turn fertile lands into deserts with little vegetation. Plants and animals might not be able to survive the rapid changes caused by global warming and could become extinct. Over the long term, such changes would result in a loss of biodiversity on the planet. Some ecosystems, such as coral reefs and coastal mangrove swamps, are likely to disappear completely. Recently, a study reported in Journal Nature Climate Change (2018)has reported that rising temperatures have contributed to increased rates of suicide, anticipating no response to climate change that addresses the impact of humans on the environment.

Options to reduce climate change

Nations should implement policies with the potential to inhibit their economies for the reduction of global warming in future. One approach can be cap-and-trade program for industries where greenhouse gas output can be restricted but also allows a firm to purchase additional emission credits. Another way could be higher industry standards on performance and technology for industries. In these both approaches, limitations are reduction of foreign investment, current production capacity as well as higher consumption prices. Due to these reasons, it is great difficulty for governments to deal with Earth's changing climate.

There are three categories to reduce consequences of climate change: (1) mitigation – Efforts to mitigate greenhouse gas releases; (2) adaptation – Increment in society's capacity to manage changes in climate; (3) Geoengineering – Careful interference in Earth's atmosphere to reduce impacts of greenhouse gas emissions. Mitigation will lead to the less human activities and increases the chances that climate change will be manageable. This could be achieved by (1) research, development and distribution of new technologies (2) public awareness (3) Sustainable alternative of energy (4) regulation (5) incentives to industries those choice lower emissions etc. Adaptation refers to building capacity to avoid, survive and recover from effects of climate change. This could be done by (1) decrease susceptibility by lang use planning (2) impact assessment for critical systems such as agriculture, defense, biological systems, infrastructure etc. (3) relocation of vulnerable populations and resources (4) efforts to minimizing air pollution, species extinctions, habitat loss and degradation. Geoengineering potentially also creates risks because attempts to alter the Earth system could lead negative effects also. Two approaches receive the most attention: reflecting sunlight to space to offset greenhouse gas warming and carbon removal i.e.extracting carbon dioxide from the air and storing it deep in the ground or ocean. Finally, these options are not mutually exclusive and none of them alone can fully address the consequences of climate change. Comprehensive responses to climate change certainly include a combination of approaches.

Industry Alliances:

Industry visit- Concord Biotech Ltd, Dholka

An industrial visit to Concord Biotech Ltd. was organized on April 9, 2022 at Dholka . BSc Bioscience students of semester VI observed Fermentation technology using microorganisms for producing desired compounds having its applications in the therapeutics, chemical, and food industries. The visit was aimed to develop an understanding of advancements in fermentation technology. Students got the opportunity to see the manufacturing of products at a larger scale and learned different parameters for quality assurance and quality control. The opportunity has extended with the visit to the treatment plant of waste produced by industry.

Conference/workshop/training:

- Department of chemistry Organized a National Conference On "Green and Sustainable Chemistry -2022 (GSC-2022)", Indrashil University (26th, 28th February & 2nd March 2022)
- Dr. Vijai Singh (Coordinator) jointly organized a training on "Recombinant DNA Technology" between Gujarat Biotechnology Research Centre, Gandhinagar and Indrashil University between 10th – 13th January 2022.
- Dr. Umashankar Singh, Associate Professor, Department of Biological Engineering, IIT Gandhinagar delivered a webinar on "Contemporary education in biology and the ways ahead" 12th Jan 2022.
- Prof. Seyed E. Hasnain, National Science Chair- SERB at IIT Delhi, Distinguished professor at Sharda University, greater Noida, J.C. Bose National Fellow delivered a lecture on "Why Biological Sciences will dominate all branches of human scientific enquiry in this century and perhaps beyond" 24th Feb 2022.
- Dr L. Karthik, Scientist, Salem Microbes Pvt Ltd, Tamil Nadu delivered a talk on "CRISPR Era: Current and future perspective" on 21st April 2022.

Faculty achievements:

IFFCO PROJECT

Under Mentorship of Prof. A.P.Vyas, Head-Chemical and Biochemical Engineering Department and led by Dr. Siddhant Patel and his team, Indrashil University got associated with Soni Group of Technologies for a Nationally important Project given by IFFCO Ltd. IFFCO Ltd. is going to produce Nano-fertilizer for the first time in the world on a large scale which will save millions of dollars of the Indian Government on subsidy of Fertilizers. The project included identification of effluent treatment scheme for waste water generated from the Nano plant.

Indradhanush, 2022

Dr. Poulomi Sengupta, Asstt. Professor, Department of Chemistry won Silver Medal in Badminton Competition, Women Single, organized by CPL, March 4, 2022. In Mixed Doubles also, Dr. Sengupta secured Runners Up position along with Dr.Prasenjit Chakraborty, Asstt. Professor, Department of Biosciences.

Vigyan Gurjari Competition

Dr. Ritu Chowdhary, Asstt. Professor, Department of Biosciences was felicitated at Vigyan Gurjari for the best paper presentation in the category of Biosciences, March 8, 2022

Research Article

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Invited Talks

- Dr. Rajesh bhosale delivered talk on "Development of Novel AIE/AIEE Active Fluorescent Materials" at on "National webinar on Emerging Trends in Chemical Sciences" conducted by the Department of Chemistry, Konkan Gyanpeeth Karjat College, Mumbai, India, on 11-03-2022.
- Dr. Rupesh Maurya delivered a talk on "Identification of flowering plants" organized by the department of botany, School of Science, Gujarat university. On 19th January, 2022.
- Dr Vijai Singh invited as Speaker on "Recombinant DNA Technology" training Gujarat Biotechnology Research Center, Gandhinagar and Indrashil University delivered a talk on "Introduction to rDNA Technology on 10th January 2022.
- Dr Vijai Singh invited as Speaker in Faculty Development Program (FDP) sponsored under AICTE ATAL scheme on Genome Engineering: CRISPR-Cas as an emerging Tool at Department of Biotechnology, IMS Engineering College, Ghaziabad from 14th December to 18th December, 2021.
- Dr. Namrata Bajaj invited as track chair speaker at the 2nd International Multidisciplinary Conference on "Sustainable Development- A New Vision for Better Tomorrow", Ganpat University, Mehsana, Gujarat, March 12, 2022
- Dr Vijai Singh delivered a talk on "Engineering of microbial cell factories for production of biomolecules' ' organized by Society for Chemical and Synthetic Biology, Vellore, Tamil Nadu on 13th March 2022
- Neha Singh, invited as Session Chair for "International E-Conference on Emerging Technologies in IT (IECET22)" organized by AURO University Surat on 24th & 25th February ,2022.
- Neha Singh, delivered a lecture on "Role of AI in healthcare" organized by Meerut Institute of Engineering & Technology with National Digital Library of India , 31st May 2022.
- Dr Sumit Chaudhary, invited as Session Chair for "International E-Conference on Emerging Technologies in IT (IECET22)" organized by AURO University Surat on 24th & 25th February 2022
- Dr Sumit Chaudhary,delivered a lecture on ""Things to Know Before "Filing a Patent Application" organized by Meerut Institute of Engineering & Technology with National Digital Library of India , 21st March 2022.
- Dr Sumit Chaudhary,delivered a full day session in FDP sponsored by GUJCOST on "Artificial Intelligence"organized by Ahmedabad Institute of Technology held on 28-29-30 March ,2022.
- Dr. Namrata Bajaj invited as an expert to conduct Online workshop on 'Case Study Analysis for Effective Communication Skills' for V-Epic students at Ganpat University, Mehsana, Gujarat, March 31, 2022
- Dr Vijai Singh gave an oral online presentation on "Microbial cell factories for sustainable production of biofuels"in 6th Postgraduate Colloquium for Environmental Research (POCER), University of Nottingham Malaysia on 9th – 11th June 2022.
- Dr Vijai Singh, Chaired the session of 6th Postgraduate Colloquium for Environmental Research (POCER), the University of Nottingham Malaysia on June 10, 2022.

Grants

- Dr.Rajesh Bhosale received a project entitled "Development of Chemistry Department Central Instrumentation Facility for Teaching and Research of PG, Ph.D., and support to MSME's". By funding agency DST- FIST India total sum of the amount is 150 Lakhs

With the following Objectives 1. Establish instrumentation facility for teaching and research assistants of UG, PG & Ph.D. students 2. Facilitate characterization supports to nearby MSME sector of Gujarat 3. Assist to the advance research projects of the faculty members of the university 4. Develop skilled manpower to assist the industry sector.

- Dr. Naga Prasad (PI) and Dr. Randhir Kumar (Co-PI) received grant entitled Synthesis and characterization of Mannose Carbon Nanoparticles (MCN's) as a potent

immuno-therapeutics regimen for ovarian cancer and zirconium phosphate/doped zirconium phosphate(Ca, Mg and Ti) nanobiocomposite films to enhance the success rate of bone implant in tissue engineering, by GSBTM.

Patents

International Patent Granted

- Dr. Sidheswar Routray "A System For an Efficient Cluster Head Formation in Inter and Intra-Cluster Multi-Hop Communication Models in Sensor Cloud," German Patent, Application no: 202021105960,published on 12-01-2022.
- Dr. Sidheswar Routray "Optimal Resource Allocation Technique for Secure NxIIoT for Non-Terrestrial Network Applications'' German Patent, Application no: 202022100431, published on 23-02-2022.

Students` Achievements

- Yash Punjabi, B-Tech, Sem-VIII, Batch 2018 of Computer Science and Engineering Department, SoE achieved AIR 141 rank in GATE-22. He will be pursuing his further studies in IISc Bangalore.

- Indrashil University congratulates Mr. Khushal Khambhati and Gargi Bhattacharjee for receiving Prestigious "Indian Council of Medical Research – Senior Research Fellowship.

- Ph. D. Scholar, Chemistry- Mr. Nirav Patel received the prestigious DST Inspire Doctoral fellowship, March 2022.

- Viswa Shah, BSc. Biosciences, Sem-IV received the " Budding researcher Award" under UG category during the poster presentation poster entitled " Role of Wetland Buffers in Wetland Conservation" in the National webinar on "Wetlands: Versatile, Valuable and Vulnerable", January 21, 2022 organized by the Gujarat University Botanical Society, Department of Botany, Gujarat University, Ahmedabad.

Activities on Campus

Adieu 2021

The year 2021 was bid goodbye with fun and feast at IU. The faculty and staff enjoyed the games organized by the HR team. It was followed by Cake cutting and Secret Santa activity, on December 31, 2021.

Smart India hackathon 2022

Smart India Hackathon is a nationwide initiative of AICTE to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving.

As per SIH 2022, IU conducted the Internal Smart India Hackathon on March 8, 2022 in which a total of 5 teams participated. The selected teams will participate at different levels pan India at later dates.

Kite Festival

Gujarat is famous for its kite festival and Garba celebrations. Resonating with a similar sentiment, IU celebrates the Kite festival with great fervor every year. The entire IU family including faculty, students, and staff indulge in kite flying, relishing traditional food and snacks, January 13, 2022.

Youth Day

The Youth Day, January 12, 2022, had been special at IU. Ms. Bharti Koshti, pursuing Ph.D. was felicitated by the Provost- Dr. J.S. Yadav, as she had received a prestigious award - JNOST XVII for Best Oral Presentation. The day was also marked by playing a Video of Swami Vivekananda's address in Chicago at the World Parliament of Religions.

Republic Day

On January 26, 73rd Republic Day was celebrated at IU campus with the unfurling of the tri-color and address by the Provost- Dr. J.S.Yadav. The occasion was marked by the presence of the Registrar, faculty, students, and staff members.

Blood Donation Drive

Commemorating the Birth Anniversary of the Founding Chairman of CPL, IU organized a Blood donation drive on February 18, 2022, in association with the Red Cross Society. Many students, faculty, and staff participated in the noble cause by donating blood at the event.

Tree Plantation

The key officials of IU carried out a tree plantation drive to pay tributes to Late Shree I.A. Modi on his birth anniversary, February 18, 2022

International Women's Day

On March 8, 2022, the ICC of IU celebrated 'International Women's Day' with expert sessions and cultural activities. Famous gynecologists -Dr. Niru Shah and Dr. Shital Punjabi addressed the girl students and female faculty on ' Women Health and Hygiene'. It was followed by Skit, Speech, Documentary, Dance and Poetry performed by girl students.

Muqabala Season 3, 2022

Sports Club of IU hosted a 3-day Annual Sports Event under the title ' Muqabala Season 2' from March 30- April 1, 2022. Various indoor and outdoor sports were organized that included Chess, Carom, Table Tennis, Badminton, Kabaddi, Football, Cricket, and Volleyball. Around 150 students were shortlisted for participating under various categories. The event culminated in an award ceremony on April 4, 2022, and rewards were given to winners in individual and team games.

Farewell Party-School of Engineering

The first batch-2018 of SoE was given a farewell by their juniors in a fun-filled fashion. A day-long event included experience sharing, games, performances, and cake-cutting. The passed-out students were felicitated with a token of appreciation in the form of a small gift, on May 19, 2022.

Blood test (Thalassemia)

A Blood Test Drive was carried out for IU Girls on April 26, 2022, for detecting Anemia and Thalassemia by the CSR team- Cadila Pharma. Ltd in association with the Red Cross. Post report from the said drive, CSR team- CPL distributed free medicines for three months to all the girl students detected with anemia.

The students identified with Thalassemia positive were counseled by officials of the Red Cross Society to take precautions pre-marriage and lifestyle to minimize the impact of the disease and live healthily.

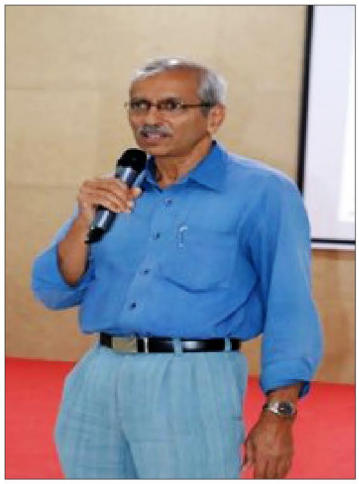
CSR Activity

IU along with the CSR team of Cadila Pharmaceuticals Ltd. distributed 30 public dustbins, 600 household dustbins, a Sanitary pad vending machine along with an incinerator at Govt. Primary School, Untva village, Kadi. Shree P.C.Dave, Prant officer and Sub-divisional Magistrate, Kadi graced the occasion and waved the flag to E-rickshaw meant for collecting door-to-door garbage.

IU students sensitized the gathering about hygiene and health while performing a Skit which was highly appreciated by the SDG, on March 26, 2022.

Science Club Activity

Science Porium



Science club organized an activity “Science Porium” on December 11, 2021. M.Sc Biosciences, semester I students participated in novel topics presentation. The central idea of the event was to provide stage exposure to the students and encourage them to think about the market minds through startups and innovations. Along with the presentation, students were also instructed to prepare scientific images using software, models, scientific video demonstrations, regulation details, posters, etc.

A total of 17 group presentations and 1 individual presentation were conducted with a wide range of topics covered such as Bio-edible films, 3D food printers, high-demand medicinal plants, Crispr, cancer, biodegradable plastics, etc.


Surya Namaskar

Yoga Club organized 'Surya Namaskar' in compliance to the guidelines from AICTE, GoI. The faculty and staff performed the best Yoga activity-Surya Namaskar in full spirits, January 22, 2022.

National Science Day

Every year, National Science Day is celebrated at IU with the enthusiasm and active participation of students. This year, it was delayed a few days due to Covid-19. The event started with the lighting of lamp by the key officials of IU and invocation by students. The Provost - Dr. J.S. Yadav addressed the gathering of students and faculty on the occasion and stressed upon the theme of 2022



'Integrated Approach in Science and Technology for Sustainable Future'. Dean- SoS, Prof. Bharti Dave highlighted how technology can be fused in Scientific research for the welfare of mankind. After this, a series of activities and competitions like- Scientific Demonstrations, Science models, Drawing and Painting, Poster presentations, and Quiz were organized which saw huge participation by the students. Before closure, the winners in various categories were duly recognized through certificates and prizes.




Eco Club Activity

Earth Day

On April 22, 2022, Eco Club celebrated Earth Day on the theme 'Invest in our planet" which focused on human beings collective responsibility to accelerate the transition to an equitable, prosperous green economy for all. It started with a welcome address by Dr Harengiri Gosai, Chairman, Eco club. Dr. Vijai Singh, Dean-Research and Innovation discussed the importance of conservation of our natural resources and green economy.

Students of BSc Biosciences performed a drama on the importance of natural resources and their conservation.

Abstract writing, scientific poem, science toons and debate competition on topics such as climate change, sustainable energy production, genetically modified products, pros and cons of electric vehicles, etc. were also organized. Concluding remarks and a vote of thanks was given by Dr. Rupesh Maurya, Convenor, Eco Club. Lastly, students and faculty took the pledge "to care for the environment" to sustain mother nature. Clothes bags were also distributed to students, faculty and staff of IU as a part of "Swachh Bharat Abhiyan" of Government of India.

Cultural Club Activity

Days Celebration

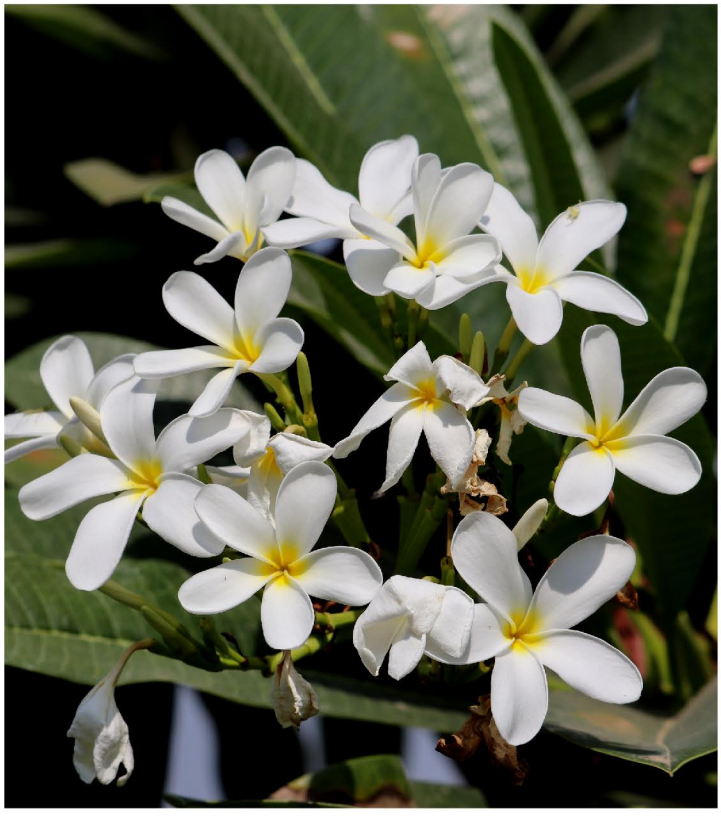
A much-awaited - Days Celebration witnessed huge participation and enthusiasm by the students at IU. Cultural Club hosted a three-day theme-wise celebration this year - Mismatch, Bollywood, and Ethnic Day. The best-dressed participants in sync with the themes were awarded, March 9-11, 2022.

Ethnic Day

Bollywood Day

Mismatch Day

Flora & Fauna



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Campus Address
Rajpur, Taluka-Kadi, Dist.: Mehsana-382740, Gujarat, India.
Contact No.: +91-6359102727
Email: admission@indrashiluniversity.edu.in
Website: www.indrashiluniversity.edu.in

For more details, log on to:
www.indrashiluniversity.edu.in

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