



EDITORIAL

It gives us immense pleasure in releasing the first issue of the "InfInITyS" newsletter of IIIT-Surat. The "InfInITyS" newsletter took birth by looking at **Countless Opportunities**, **Boundless Vision** and **Limitless Achievements** of the faculties and students of the Institute. Although, the Institute is in its nascent stage it is making its presence felt nationally as well as internationally. One can foresee collaborative academic activities with national and International Institutes in near future.

This issue of "InfInITyS" highlights the current achievements and societal activities of faculties and students organized in the Institute. Furthermore, we wish to know from our students and faculties about the academic and cultural happenings on and off the campus that definitely reflects our growth.

Send your success stories to us to get highlighted in this newsletter. We look forward to your feedback and support.

Happy reading!!

-Dr. Nishad G Deshpande
(Editor)



DIRECTOR'S NOTE

In this unprecedented time of COVID-19 pandemic, leading a happy, healthy & comfortable life is a challenge. During this difficult time, faculties & students of IIIT-Surat have achieved significant academic accomplishments. The Institute is meant for bringing out the innovative ideas bubbling in the young minds of its students & realizing them in societal applications. The contemporary need of India is developing in-house science & technology, which can lead the country to **आत्मनिर्भर भारत**. The dominance in science & technology can be achieved only by producing top-class committed scientists & engineers. Our highly motivated faculties are involved in teaching as-well-as research. The quantum & quality of research is slowly gaining pace, & has started gaining attention both at national as well as international levels. The Institute is proud of its meritorious students, who have successfully developed tools & techniques for remotely detecting COVID-19, artificial intelligence based image processing techniques, automated dispensing machines for hand-sanitizer, sewage monitoring in cities, city traffic management & many more projects realized by them. More than 70% of our first batch (2017-21) B.Tech students could get placement in reputed industries, which is a remarkable achievement.

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The Student Startup and Innovation Policy (**SSIP**) by Department of Education, Government of Gujarat (GoG) is providing the basic support for the students who want to realize their innovative ideas leading to a patent & startup. Many students have come up with innovative ideas & this surely will add to the progress of the Institute. The Institute will follow the mission goal of **"Make in India"** & strive hard to develop indigenous prototypes. We have adopted a village for popularizing the healthy life style schemes of Government of India (GoI). We have organized various events & also following all the national level events organized by the GoG & GOI. Thanks to our faculties, non-faculties & students for showing their exemplary positive attitude in keeping the academic & research activities upbeat in the Institute during the difficult times. I am earnestly thankful to the Director, faculties & administrative staff of the mentoring Institute, SVNIT, for providing the academic support & student amenities. Also, I am grateful to the officials of Ministry of Education, GoI & Department of Education, GoG, Members of the Governing Body, Members of Finance Committee & Members of Senate for their incessant support all the time. I am sure with positive attitude & objective we will climb the infinite ladder of success & realize the dream of **एक भारत श्रेष्ठ भारत**.

जय हिन्द

Prof. J. S. Bhat
DIRECTOR, IIIT SURAT

Dr. PRADEEP KUMAR ROY

CSE, Assistant Professor



Research Article on "COVID-19: A Comprehensive Review of Learning Models", was accepted recently (Aug 2021) in the journal "Archives of Computational Methods in Engineering", ISSN: 11343060, with **impact factor of 7.302** (one among the highest IF in Computer field based research journal).

STUDENT' ACHIEVEMENTS

Association for Computing Machinery (ACM) NIT Surat Student Chapter organised various competitions in which IIIT Surat students achieved success- **Aman Verma** (1st-position in Inception 6.0 & ACM Summer Challenge 2021); **Ambikesh Mishra** (2nd-position in ACM Summer Challenge 2021); **Rahul Rangi** (3rd-position in ACM Summer Challenge Mirror 2021).

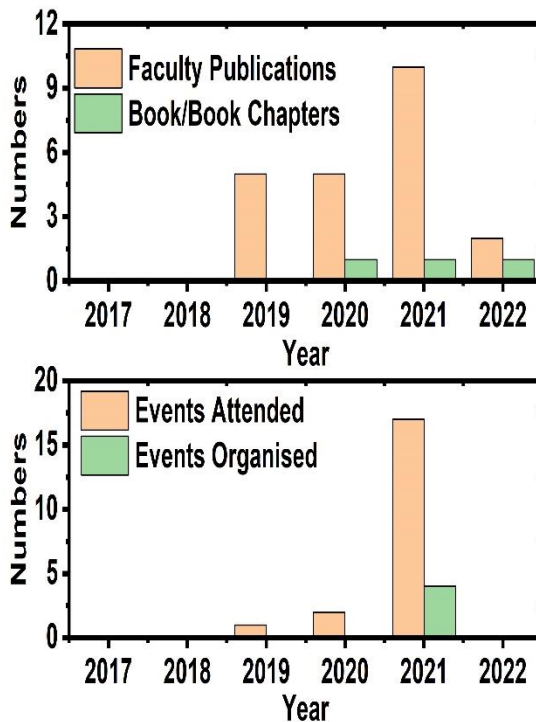
STUDENT' PLACEMENTS

Total **46** students- Computer Science Engineering (**29**) & Electronics and Communication Engineering (**17**) got placement with a **highest package of 41.86 LPA** and an average package of **9.48 LPA**.
Uppala Vyshnavi Sri Datta (ECE), **Kevin Lakhani** (CSE) got admission for higher studies at Arizona State University, US & IIM, Indore, respectively.



"I firmly believe that unless one has tasted the bitter pill of failure, one cannot aspire enough for success"

- Dr. A. P. J. Abdul Kalam



IIIT Surat Faculties

are actively engaged in research activities, which is clearly seen from the continuous growth with respect to Research Publications, Books, Book chapters, etc.

Additionally, faculties are actively participating and Organizing various National/International Events continuously.



Dr. Anirban Roy

ECE, Assistant Professor

Winner in the **DRDO DARE to DREAM 2.0 INNOVATION Contest (2021)** for "An automatic and environment-friendly aerosol-based fire suppression system for use in defence establishments", **7 June 2021**.

<https://drdo.res.in/kalamdb/portal/pd/f/ListofAwardeeDareToDream.pdf>



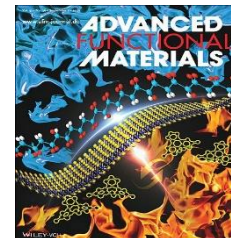
Dr. Varun Kumar

ECE, Assistant Professor

Selected in top hundred candidates at the section "AgriTech and livestock" in **5G Hackathon 2020** GoI initiative under startups India. <https://www.facebook.com/5GHackathon/>

Dr. Nishad G. Deshpande

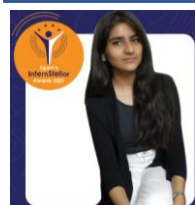
Engineering Physics, Assistant professor



Research Article on "Progressive NO₂ Sensors with Rapid Alarm and Persistent Memory-Type Responses for Wide-Range Sensing Using Antimony Triselenide Nanoflakes" accepted in high impact factor journal.

ADVANCED FUNCTIONAL MATERIALS [Impact Factor- 18.808]

<https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.20210243>



Priyanshi Nathani
Student, IIIT Surat

Recognized as **Ugam's InternStellar 2021**. This award is presented to one stellar all-round intern who exhibits a strong commitment to excellence, a curiosity to learn and an aptitude to drive impact with analytics.



Prakhar Soni
Student, IIIT Surat

Developed "**Mr. Sanitizer**", a device, which is an touchfree automatic hand sanitiser dispenser machine. The innovation was widely published in DD National news, Dainik jagran, Amar Ujjala, etc.



Avanish Gupta, student of IIIT Surat with his other teammates has bagged **MIT Sandbox Spring 2021 Funding Award** of \$1,000 for their innovative business concept. ProstateNinja is an MIT-backed and Award Winning platform, which seeks to improve Prostate Cancer Information and Outcomes. www.prostateninja.com

"It always seems impossible until it's done" -Nelson Mandela

WEBINAR- On success of NEP-2020



Talk Title:
Research, Innovation and Ranking

Date: 9th August 2021
Time: 4.00-5.30 pm

Speaker: **Dr. Rupesh S. Devan**
(Associate professor, MEMS, Indian Institute of Technology, Indore)

9th August 2021

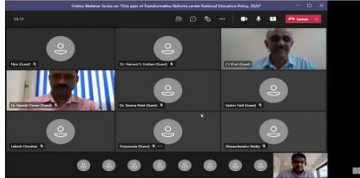


Talk Title:
Use of Technology in Education and Research

Date: 10th August 2021
Time: 4.00-5.30 pm

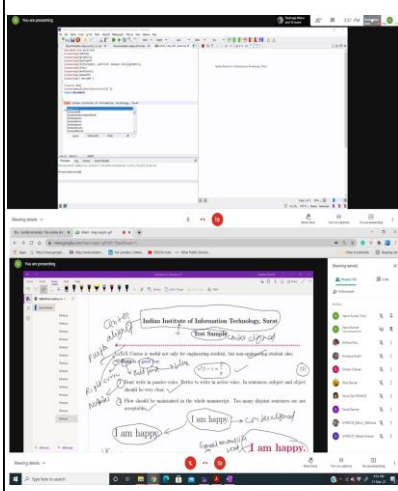
Speaker: **Dr. Sandip S. Patil**
(Director, E-Spin Nanotech Pvt. Ltd. & IIT, Kanpur Alumnus)

10th August 2021



Nearly 80 participants (including faculties, industry persons and students) joined/viewed the webinar through links provided. It was a two-day brainstorming sessions and has provided knowledge of NEP (on above discussed topics) to all.

Short Online Course On "Documentation by LATEX"



Short Online course on "Documentation by Latex", was organized on 20-21 March 2021. An overwhelming response was received from the students, which showed their eagerness in learning new things.

INTERNATIONAL YOGA DAY 21 June 2021



International Yoga day was celebrated by the students virtually with great enthusiasm on 21st June 2021. Students demonstrated various asanas at home, while the same was performed at the Institute by the faculty and staff members.

INSTITUTE SSIP ACTIVITIES –Webinar Series on Prototype Designing



"Principle to Prototype: Support to Atmanirbhar Bharat" by Dr. Debi Prasad Das (Principal Scientist CSIR, IMMT, Bhubaneswar) was organized to encourage students. (15/09/2021)



"Leap into the Connected Future with IoT" by Mr. Siddharth Bhatte CEO & Founder, Karkhana Makerspace delivered two webinar and taught designing of the prototypes using IoT technology. All students actively participated in the series of webinars organised. (10/09/2021 & 14/09/2021)

EVENTS

Celebration of 1 year of New Education Policy 2020



Prime Minister Narendra Modi has addressed the nation on 29th July, 2021 at 04.30 PM to mark the first anniversary of the New Education Policy (NEP) 2020. He has addressed the nation through online, in which all the faculty and non-faculty members has attended the online celebration.

Teacher's day Celebration on 5th September 2021



Teacher's day celebration was carried out in the Institute on 5th September 2021. Hon. Director in his speech inspired the faculty and staff members to dedicatedly work for the benefit of the society. He also gave the importance of 5th september and teacher's day.



A National Level Vedic Mathematics course to encourage the youth and to explore about wealth of scientific wisdom lying hidden in ancient Sanskrit literature was organized.

"The best way to find yourself is to lose yourself in the service of others"-Mahatma Gandhi

OUTREACH ACTIVITIES-Before COVID-19



- ✦ Social awareness about hygiene was carried out at the Kholvad Village, Kamrej Taluka, Surat (a village adopted by the Institute).
- ✦ Swachhta under Swachh Bharat Mission was carried out by the faculty, staff members and students in the campus.

Online Summer Internship

A two-month online summer internship in **Data Science, Machine Learning, Deep Learning, & Computer Vision** from **01st June 2021 to 30th July 2021** was organized during lockdown period to benefit all students, which was co-ordinated by Dr. Pradeep Kumar Roy (Faculty, CSE).

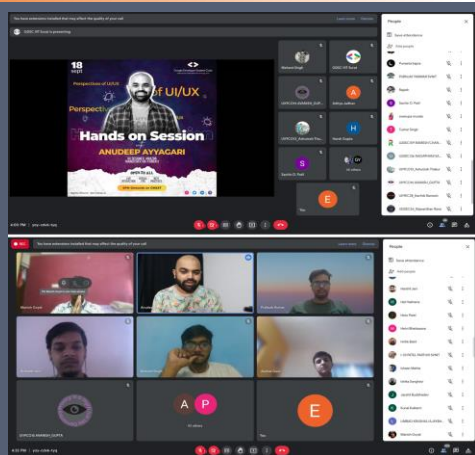
CULTURAL EVENTS



Hindi Divas (हिंदी दिवस) was celebrated on **14 September 2021**. It was managed by "SARAS", the official cultural society of the students.

Hon. Director inaugurated the event, while faculties and staff members presented their views on Hindi Divas (हिंदी दिवस). All the students actively participated, delivered speech, presented poems and songs.

HANDS ON SESSION



Hands on Session on "Prespectives of UI/UX", was organised by the Google Developer Students Club (GDSC), IIIT Surat on **18 September 2021**. Suraj Sisodia (Lead, GDSC), Nishant Singh and Avanish Gupta co-ordinated the session under the supervision of Dr. Sachin Patil (Faculty, CSE).

Mr. Anudeep Ayyagari (UX Designer Amazon) was the resource person who guided the students on UI/UX technology. All the students actively participated, interacted with the speaker. The whole session was also live streamed on IIIT Surat youtube channel so as to benefit all.

STUDENT ACHIEVEMENTS

Suraj Sisodia, Prakash Kumar, Ritesh Shukla, and Raj Baidra

(Team MARCOS, 3rd Year ECE) bagged **FIRST prize** in HACKBASH HACKATHON organized by 8 DSCs of Gujarat, which include DSC NIT Surat, DSC IIIT Surat, DSC DDU, DSC SCET, DSC BVM, DSC CUST.



Prithvish Shaunkani- Runner up at Auro University's Doubles Lawn Tennis Tournament

INTERVIEW WITH Dr. Lokesh Chauhan (Dean Academics)

- 1) What were your feeling when you were selected as first Dean Academics of the Institute?

Ans: I am fully motivated to hold the position of Dean Academics. I will try to work with the leadership team to achieve the IIIT Surat vision & mission.

- 2) What kind of future plans you project to improve academics as a Dean?

Ans: Following activities as Future plans:

1. Effective curriculum delivery, 2. Develop & manage comprehensive academic support program, 3. Provide guidance to students on academic goals & educational issues, 4. Demonstrating exemplary teaching practice, 5. Recognising & catering for a diversity of learning styles, 6. Promoting professional development of faculty & staff.

- 3) What inspiring keywords would you give to students for their academic growth?

Ans: Some of inspiring keywords to students are: 1) Hard work, 2) Try but don't cry, & 3) Sincerity.

