



परिच्छय

## A Computation of Dreams

April 2022 \* Issue 15

### Message from the Department



**Mrs. Rupali Hande**

#### ***“Find blessing in everything”***

***I truly believe that we are not put into a situation that we can not conquer. Our lives have changed drastically during the last 2 years. All of us have been scared and generally displeased for a pretty long time. However, we have learnt a lot and must continue to learn even more. We should see the light in darkness, that is the lesson we all should learn, not only during difficult times, but all the time.***

***Do not focus on what you can not have or you can not do, take a look at what you are capable of. Have confidence in yourselves and your ability to endure difficult times and push through. Never give up, always try just one more time and take advantage of every resource you have. Do not lose sight of your long-term goals and you will be successful eventually.***

### Our Vision

*“To create center of excellence in computing by imparting quality education for developing competent professionals.”*

### Our Mission

*To provide enabling environment through excellence in teaching & learning to contribute towards industry and society.*

*To promote and strengthen interdisciplinary approach in innovation, creativity and research*

*To facilitate productive employment and higher studies with entrepreneurial attitude and professional ethics.*

### What's Inside

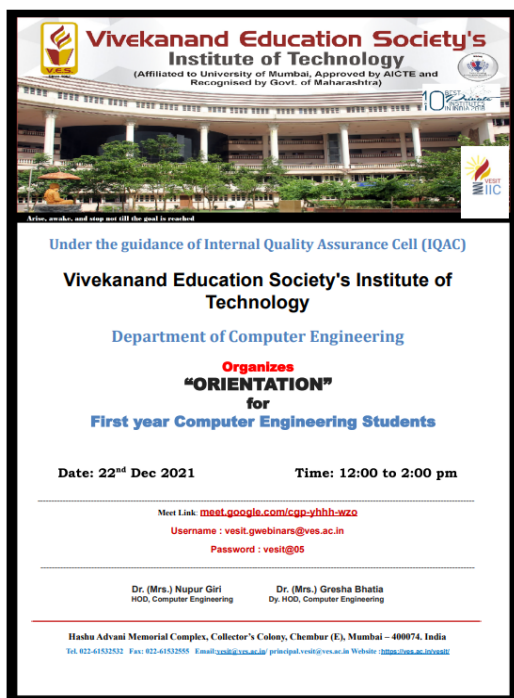
**Faculty Contributions**

**Student Portfolio**

# Faculty Contributions

## Workshops/Courses Conducted

- » **Dr. Sharmila Sengupta** conducted First year orientation 2022 organized by VESIT CMPN Dept on 22/12/2021.
- » **Mrs. Priya R L** conducted webinar on "AI in Healthcare" organized by department of Information Technology, Bannari Amman Institute of Technology, Tamil Nadu on 01/02/2022.



## Workshops/Courses Organized

- » **Dr. Gresha Bhatia, Mrs. Indu Dokare** organized IIDE's online webinar - digital marketing (speaker is Chintan Mehta, strategy alliance association) on 01/02/2022



In this issue

## Faculty Contributions

- » **Workshops / Courses Conducted**
- » **Workshops / Courses Organized**
- » **Courses Attended**
- » **Orientation programs Attended**
- » **Skill Development Activities**
- » **Research Forum Activities**
- » **Accomplishments**

# Courses Attended

- » **Dr. Gresha Bhatia** attended E-Session on Problem solving and Ideation VESIT IIC on 02/02/2022
- » **Dr. Gresha Bhatia** attended E-Session on "Process of Innovation Development" "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 15/01/2022
- » **Dr. Gresha Bhatia** attended E-Session on Entrepreneurship as a Career Department of Master of Computer Applications(MCA) under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 04/01/2022
- » **Dr. Gresha Bhatia** attended Research Talk on Fauda / Jugaad: Online Teaching Pedagogy "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 09/02/2022
- » **Dr. Sharmila Sengupta** attended Pre and main event of Turnip Innovation festival Turnip Innovations on 22/01/2022
- » **Dr. Sharmila Sengupta** attended Towards vibrant innovation ecosystem CMPN-VESIT-VRC on 20/03/2022
- » **Dr. Sharmila Sengupta** attended National Intellectual Property Awareness Mission (NIPAM) Office of Controller General of Patents, Designs and Trade Marks, Govt. of India on 23/02/2022
- » **Dr. Sharmila Sengupta** attended Innovative Approach towards Entity Resolution : who's who and why is it important? Mr. Raj Muralidharan, MS in Applied Mathematics and a MS in Computer Science from NJIT VESIT CMPN IIC Research forum on 22/02/2022
- » **Dr. Sharmila Sengupta** attended Process of innovation development. Ms. SWETAPADMA MOHANTY, Founder & CEO, Business Leadership League VESIT CMPN IIC on 15/01/2022
- » **Dr. Sharmila Sengupta** attended Fauda/ Jugaad : Online Teaching Pedagogy, Dr. Kumar Mani, BS, MS, MBA from Columbia University, NY Chief Investment Officer at a Hedge Fund, Professor of Practice at NJIT VESIT CMPN IIC Research forum on 09/02/2022
- » **Dr. Sharmila Sengupta** attended Live Masterclass on Digital Marketing Innovation and Creativity Session IIIDE on 01/02/2022
- » **Dr. Dashrath Mane** attended "Fauda / Jugaad: Online Teaching Pedagogy" Department of Computer Engineering, VESIT in association with VESIT IQAC on 09/02/2022
- » **Dr. Dashrath Mane** attended "Entrepreneurship Awareness Camp" sponsored by EDI-I Ahmedabad under DST-NIMAT project 20219-20 Maharashtra Centre for Entrepreneurship Development, Mumbai in Collaboration with VESIT on 14/03/2022
- » **Dr. Dashrath Mane** attended Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" Department of Computer Engineering, VESIT in association with VESIT IQAC on 22/02/2022
- » **Mrs. Vidya Zope** attended Research Talk on "Fauda / Jugaad: Online Teaching Pedagogy" "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 09/02/2022
- » **Mrs. Vidya Zope** attended "Innovative Approach towards Entity Resolution : who's who and why is it important?" "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 22/02/2022
- » **Mrs. Vidya Zope** attended E Session on " Process of Innovation Development In association with VESIT IIC and VESIT-IQAC on 15/01/2022
- » **Mrs. Indu Dokare** attended Research Talk on Fauda / Jugaad: Online Teaching Pedagogy "Department of Computer Engineering

# Courses Attended by Faculty

- » under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 09/02/2022
- » **Mrs. Indu Dokare** attended Skill Enhancement Lecture (SEL) on Digital Marketing IIDE on 01/02/2022
- » **Mrs. Indu Dokare** attended a Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" CMPN, VESIT Research Forum on 22/02/2022
- » **Mrs. Indu Dokare** attended National IP awareness mission program VESIT and IP Office, India on 23/02/2022
- » **Mrs. Priya R L** attended FDP on "Inculcating Universal Human Values in Technical Education" AICTE from 03/01/2022 to 07/01/2022
- » **Mrs. Priya R L** attended ISTE approved SF-STTP / FDP on "Data Science using Python" TSEC, Bandra, Mumbai from 03/01/2022 to 07/01/2022
- » **Mrs. Priya R L** attended Research Talk on "Fauda / Jugaad: Online Teaching Pedagogy" VESIT, Mumbai on 09/02/2022
- » **Mrs. Priya R L** attended E-Session on "Process of Innovation Development" VESIT, Mumbai on 15/01/2022
- » **Mrs. Priya R L** attended Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" VESIT, Mumbai on 22/02/2022
- » **Mrs. Priya R L** attended IIDE's Online Webinar on "Digital Marketing" IIDE School on 01/02/2022
- » **Mrs. Lifna C S** attended National Intellectual Property Awareness Mission (NIPAM) Office of Controller General of Patents, Designs and Trade Marks, Govt. of India on 23/02/2022
- » **Mrs. Lifna C S** attended "Innovative Approach towards Entity Resolution : who's who and why is it important?" Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC, on 22/02/2022
- » **Mrs. Lifna C S** attended Innovation & Creativity session Vivekanand Education Society's Institute of Technology In association with VESIT IQAC and IIC on 13/01/2022
- » **Mrs. Lifna C S** attended "Machine Learning with Python" one week AICTE-ISTE Sponsored Induction/Refresher Programme from 05/01/2022 to 11/01/2022
- » **Mrs. Lifna C S** attended Research Talk on "Fauda / Jugaad: Online Teaching Pedagogy" VESIT, Mumbai on 44806
- » **Mrs. Abha Tewari** attended Research Talk on "Fauda / Jugaad: Online Teaching Pedagogy" VESIT, Mumbai on 09/02/2022
- » **Mrs. Abha Tewari** attended Attended "Innovation & Creativity session" VESIT, Mumbai on 13/01/2022
- » **Mrs. Abha Tewari** attended Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC on 22/02/2022
- » **Mrs. Abha Tewari** attended E-Session on Sustainable development goals Sort-VESIT and VRC in association with VESIT IIC on 10/01/2022
- » **Mrs. Abha Tewari** attended Webinar- Towards Vibrant innovation ecosystem VRC in association with VESIT IIC on 20/03/2022
- » **Mrs. Abha Tewari** attended Research Forum talk on ""Deep Learning Architectures and Applications" Research Forum VESIT In association with Department of Information on 05/03/2022
- » **Mrs. Abha Tewari** attended E-Session on "Process of Innovation Development" Department of Computer Engineering in Association with VESIT-IIC and VESIT-IQAC, on 15/01/2022
- » **Mrs. Pallavi Gangurde** attended Research Talk on Fauda / Jugaad: Online Teaching Pedagogy "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 09/02/2022



- » **Mrs. Nusrat Ansari** attended Research Forum Talk On "Deep Learning Architectures and Applications" Research Forum VESIT In association with Department of Information Technology (INFT) on 05/03/2022
- » **Mrs. Nusrat Ansari** attended Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC, on 22/02/2022
- » **Mrs. Nusrat Ansari** attended Innovation & Creativity session Vivekanand Education Society's Institute of Technology, In association with VESIT IQAC and IIC on 13/01/2022
- » **Mrs. Nusrat Ansari** attended Research Talk on Fauda / Jugaad: Online Teaching Pedagogy "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 9/2/2022
- » **Mrs. Nusrat Ansari** attended Skill Enhancement Lecture (SEL) on Digital Marketing IIDE on 01/02/2022
- » **Mrs. Sujata Khandaskar** attended E-Session on "Process of Innovation Development" Vivekanand Education Society's Institute of Technology, In association with VESIT IQAC and IIC on 15/01/2022
- » **Mrs. Sujata Khandaskar** attended Innovation & Creativity session Vivekanand Education Society's Institute of Technology, In association with VESIT IQAC and IIC on 13/01/2022
- » **Mrs. Sujata Khandaskar** attended a Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC on 22/02/2022
- » **Mrs. Pallavi Saindane** attended E-Session on "Process of Innovation Development" Department of Computer Engineering in Association with VESIT-IIC and VESIT-IQAC, on 15/01/2022
- » **Mrs. Pallavi Saindane** attended FDP on Web X.0 Department of Information Technology, Xavier Institute of Engineering on behalf of University of Mumbai on 03/01/2022
- » **Mrs. Veena Trivedi** attended a Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC on 22/02/2022
- » **Mrs. Veena Trivedi** attended Research Talk on "Fauda / Jugaad: Online Teaching Pedagogy" "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 09/02/2022
- » **Mrs. Veena Trivedi** attended a Research Talk on "Innovative Approach towards Entity Resolution : who's who and why is it important?" Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC on 22/02/2022
- » **Mrs. Manisha Mathur** attended E-Session on "Process of Innovation Development" Department of Computer Engineering in Association with VESIT-IIC and VESIT-IQAC, on 15/01/2022
- » **Mrs. Manisha Mathur** attended Innovation & Creativity session Vivekanand Education Society's Institute of Technology on 13/01/2022
- » **Mrs. Manisha Mathur** attended Research Talk on "Fauda / Jugaad: Online Teaching Pedagogy" "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 09/02/2022
- » **Mr. Satish Ranbhise** attended E-Session on "Process of Innovation Development" In association with VESIT IQAC and IIC on 15/01/2022
- » **Mr. Satish Ranbhise** attended Research Talk on "Fauda / Jugaad: Online Teaching Pedagogy" "Department of Computer Engineering under the guidance of VESIT-IQAC and VESIT-Research Forum, in association with VESIT-IIC," on 09/02/2022
- » **Mr. Satish Ranbhise** attended Webinar on 3D printer Bhartiya vidya bhavans (SPIT) on 29/01/2022.

# Orientation programs attended by faculties

- » **Dr. Sharmila Sengupta** attended orientation program on mobile computing theory and Lab. organized by MGM College of Engineering and Technology, Navi Mumbai on 11/1/2022
- » **Dr. Sharmila Sengupta** attended orientation program on Artificial Intelligence organized by Atharva college of Engineering on 10/01/2022
- » **Mrs. Vidya Zope** attended orientation program on Online Faculty Orientation Program on CSDO701/ Natural language Processing and CSL703/ Department Level Optional Course 3 Lab (NLP Lab) /SEM-VII/Computer Engineering organized by Convener: Dr.Varsha Patil, SIES Graduate School of Technology co-Convener: Dr. Shreya Patankar, Prof. Pradnya Sawant St. Francis Institute of Technology on 15/03/2022
- » **Mrs. Indu Dokare** attended orientation program on Internet of Things (IoT) organized by Vidyavardhini's College of Engineering and Technology, Vasai. on 07/01/2022
- » **Mrs. Indu Dokare** attended orientation program on Mobile Computing Theory and Lab organized by MGM College of Engineering and Technology, Navi Mumbai on 11/01/2022
- » **Mrs. Priya RL** attended Online Faculty Orientation Program on System Programming and Compiler Construction (CSC601) System Programming & Compiler Construction Lab(CSL 601),of T.E./SEM-VI/Computer Engineering organized by Department of Computer Engineering, on behalf of University of Mumbai on 15/01/2022"
- » **Mrs. Priya R L** attended orientation program "Artificial Intelligence and Artificial Intelligence Lab" organized by Atharva College of Engineering, Mumbai on 10/01/2022"
- » **Mrs. Lifna CS** attended Orientation on "Artificial Intelligence and Artificial Intelligence Lab" organized by Atharva College of Engineering, Mumbai on 10/01/2022"
- » **Mrs. Abha Tewari** attended Orientation on "Artificial Intelligence and Artificial Intelligence Lab" organized by Atharva College of Engineering, Mumbai on 10/01/2022"
- » **Mrs. Pallavi Gangurde** attended orientation program on Mobile Computing Theory and Lab organized by MGM CET, Kamothe, Navi Mumbai on 11/01/2022"
- » **Mrs. Nusrat Ansari** attended orientation program on for the course of "Mini-Project 2B :FPGA BASED Project (ECM601)" organized by "VES Institute of Technology, Chembur Mumbai" on behalf of University of Mumbai on . on 15/01/2022
- » **Mrs. Pallavi Saindane** attended orientation Program for the Subject ITC602:Web X.0 and ITL602: Wen Lab of revised syllabus of SEM VI of T.E. IT Rev 2019 'C' Scheme organized by Department of Information Technology, Xavier Institute of Engineering on behalf of University of Mumbai on 06/01/2022
- » **Mrs. Pallavi Saindane** attended orientation Program on System Programming and Compiler Construction (CSC601) & System Programming & Compiler Construction Lab(CSL 601),of T.E./SEM-VI/ Computer Engineering organized by Department of Computer Engineering, on behalf of University of Mumbai on 15/01/2022
- » **Mr. Richard Joseph** attended orientation program on Cloud Computing organized by Thadomal Shahani Engineering College on 8/1/2022
- » **Mrs. Prerna Solanke** attended orientation program on Cloud Computing organized by Thadomal Shahani Engineering College on 08/01/2022
- » **Mrs. Manisha Mathur** attended orientation program on Artificial Intelligence organized by Atharva college of Engineering on 10/01/2022
- » **Mrs. Manisha Mathur** attended orientation program on mobile computing theory and Lab. organized by Department of Computer Engineering, MGM CET, Kamothe, Navi on 11/01/2022

# Skill Development Activities



**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**SUNITA SURALKAR**  
for successfully completing the course

**Cloud Computing and Distributed Systems**

with a consolidated score of **65** %

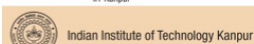
Online Assignments	11.5/25	Proctored Exam	53.25/75
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Total number of candidates certified in this course: **943**

*Ratish*  
Prof. B. V. Ratish Kumar  
Chairman, Centre for Continuing Education  
IIT Kanpur

Jan-Mar 2022  
(8 week course)

*Satyaki*  
Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur



Roll No: NPTEL22CS18S43942169

To validate and check scores: <https://nptel.ac.in/hoc>



COURSE  
CERTIFICATE

Feb 26, 2022

**SUJATA PRASHANT  
KHANDASKAR**

has successfully completed

Positive Psychology

an online non-credit course authorized by The University of North Carolina at Chapel Hill  
and offered through Coursera

*Sujata Prashant Khandaskar*

Barbara L. Pashchansky, Ph.D.  
Department of Psychology  
University of North Carolina at Chapel Hill



Verify at:  
<https://coursera.org/certificates/18S43942169>

## Societal Activities under Unnat Bharat Abhiyan

SoRT-VESIT in collaboration with Unnat Bharat Abhiyan conducted a small workshop on Installation of Solar RoofTop at Ambhiste village on 19th April 2022. Speakers for the session were Mr. Premkumar Joshi & Mr. Roy.

Faculty In-charges: Dr. Gresha Bhatiya, Mrs. Indu Donate

Student Co-ordinator: Sahil Deshmukh



**Dr. Gresha Bhatia and Mrs. Indu Dokare with UBA TEAM @Ambhiste Village**

# Research Forum Activities

## Research Grants

### Major Research Grants

- » **Dr. Nupur Giri** received AI for Earth Microsoft Azure Compute Grant for "Climate, Air Pollution and Forest Fires : AI based models for Indian case study" of \$5,000.
- » **Dr. Sharmila Sengupta** and **Mrs. Priya R. L** received AI for Earth Microsoft Azure Compute Grant for "AI based statistical analysis of pollution due to land and ocean plastic waste in India" of \$15,000.
- » **Mrs. Sunita Sahu** and **Mrs. Richa Sharma** received AI for Earth Microsoft Azure Compute Grant for "Forecasting of Carbon Emissions due to Meat Industry" of \$15,000.

### Minor Research Grants

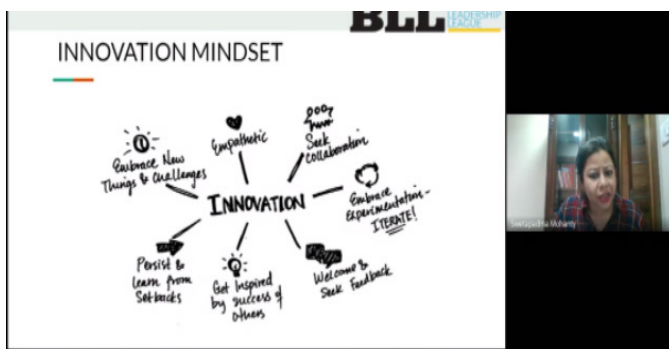
- » **Mrs. Sharmila Sengupta** received a minor research grant on "Sahara: A stanchion for the blind" with a sanctioned amount of Rs. 30,000 from University of Mumbai.
- » **Mrs. Vidya Zope** received a minor research grant on "Trail-Tracker: Antipoaching Intelligence using AI and IoT" with a sanctioned amount of Rs. 10,000 from University of Mumbai.
- » **Mrs. Lifna C S** received a minor research grant on "Coreveillance- Making our world a "SAFER" Place" with a sanctioned amount of Rs. 15,000 from University of Mumbai.
- » **Mrs. Abha Tewari** received a minor research grant on "Food to People: A Blockchain Solution" with a sanctioned amount of Rs. 25,000 from University of Mumbai.
- » **Mrs. Nusrat Ansari** received a minor research grant on "Cost effective electronic limbs" with sanctioned amount of Rs. 45,000 from University of Mumbai.
- » **Mr. Richard Joseph** received a minor research grant on "FireMan Helper" with sanctioned amount of Rs. 15,000 from University of Mumbai.

## Research Papers Published

- » Faculties & students from the department have published around 15 research papers in various international/national journals/ conferences of repute.

## Expert Talk

### Expert Talk on Process of Innovation Development



In Association with VESIT-IIC and VESIT-IQAC  
Department of Computer Engineering  
is organizing  
E-Session on  
Process of Innovation Development

Guest Speaker:  
**Swetapadma Mohanty**  
Director & CEO, Business Leadership League



8<sup>th</sup> January 2022

Time: 4:00pm to 5:00pm

Admission Fee: FREE

Open to all faculty members and Students

Registration Link: <https://forms.gle/7Z1aE4U3x3C2Dk>

Meet Link: <https://meet.google.com/obq-ndki-nyax>

Inauguration of Event:

Dr. Gresha Bhatia  
(Asst. Prof., Computer Engineering)

Dr. Nupur Giri  
(Asst. Prof., Computer Engineering)

Dr. (Mrs.) J. M. Nair  
(Principal)

Dr. (Mrs.) M. Vijayalakshmi  
(Vice-Principal)

R. L. Bhooshani  
(Asst. Prof., Computer Engineering)

Dr. (Mrs.) M. Vijayalakshmi  
(Vice-Principal)

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(Vice-Principal)

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(Vice-Principal)

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(Vice-Principal)

Dr. (Mrs.) M. Vijayalakshmi  
(Vice-Principal)

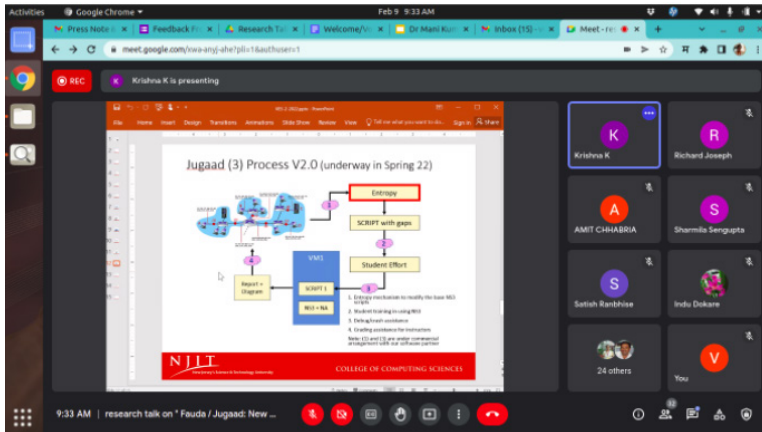
Dr. (Mrs.) M. Vijayalakshmi  
(Vice-Principal)

Dr. (Mrs.) M. Vijayalakshmi  
(Vice-Principal)

"God is here in all these human souls" - Swami Vivekananda



## Expert Talk on Fauda / Jugaad: Online Teaching Pedagogy



**Vivekanand Education Society's  
Institute of Technology**  
(Affiliated to University of Mumbai, Approved by AICTE and  
Recognized by Govt. of Maharashtra)

**Under the guidance of Internal Quality Assurance Cell (IQAC)  
and VESIT Research Forum  
In Association with Institution's Innovation Council (IIC)  
Vivekanand Education Society's Institute of Technology  
Department of Computer Engineering**

**Organizes**  
**Research Forum Talk**  
On  
**"Fauda / Jugaad : Online Teaching Pedagogy"**

**Abstract:** As the world recovers from the COVID pandemic, student enrollment at US universities has spiked. As a consequence class sizes have grown and there is greater pressure on student engagement particularly in class sizes of 40 or higher. Traditional lecture delivery has failed and flipped-classroom is also at its practical limit. In this talk the speaker will describe a new education delivery model based on a platform adopted by NJIT to provide a better educational experience to its students. This talk is primarily for educators in computer networks and protocols but the broader content is applicable to other disciplines.

**Speaker**  
**Dr. Kumar Mani**  
BS, MS, MBA from Columbia University, NY | Chief Investment Officer at a Hedge Fund  
Professor of Practice at NJIT

**Date: 9th February, 2021** **Time: 9:00 am to 10:00 am**

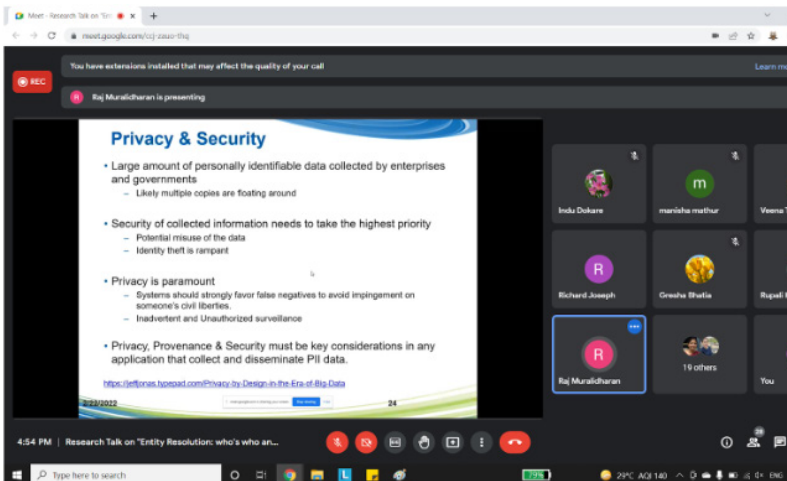
**Meet Link:** <https://meet.google.com/vwa-anj-ahf>  
**Registration Link:** <https://forms.gle/vdKc6G5wU9BE5L4>

<b>Dr. (Mrs.) Nupur Giri</b> <small>HOD, Computer Engineering</small>	<b>Dr. M.D Patil</b> <small>VESIT Research Forum Head</small>	<b>Mr. Richard Joseph</b> <small>VESIT Research Forum Member, CIMPN</small>
<b>Shri. B. L. Boolani</b> <small>President, VES</small>	<b>Dr. (Mrs.) J. M. Nair</b> <small>Principal</small>	<b>Dr. (Mrs.) M. Vijayalakshmi</b> <small>Vice Principal</small>

**Coordinator: Mrs. Lifna C.S** **Moderator: Mr. Amit Chhabria**

Hashu Advani Memorial Complex, Collector's Colony, Chembur (E), Mumbai - 400074, India  
Tel. 022-61532532 Fax: 022-61532555 Email: vesit@ves.ac.in/ principal.vesit@ves.ac.in Website : <https://ves.ac.in/vesit/>

## Expert Talk on Innovative approach toward entity resolution



**Vivekanand Education Society's  
Institute of Technology**  
(Affiliated to University of Mumbai, Approved by AICTE and  
Recognized by Govt. of Maharashtra)

**Under the guidance of Internal Quality Assurance Cell (IQAC)  
and VESIT Research Forum  
In Association with Institution's Innovation Council (IIC)  
Vivekanand Education Society's Institute of Technology  
Department of Computer Engineering**

**Organizes**  
**Research Forum Talk**  
On  
**Innovative Approach towards Entity Resolution:  
who's who and why is it important?**

**Abstract:** Information about people and organizations, by its very nature, is dynamic. The more information you have, the more likely you can identify and understand the often evolving nature of both persisting and emerging threats. But when the available information begins to scale into terabytes and contains a great deal of "noise", traditional tools may fall short of the challenge. In this talk, the speaker will give an overview of the underlying problem and address tools and technologies that attempt to solve this problem of entity resolution and relationships.

**Speaker**  
**Mr. Raj Muralidharan**  
MS in Applied Mathematics and a MS in Computer Science from NJIT  
Independent consultant focusing on Entity Resolution Technologies and Professor at Virginia Tech Institute

**Date: 22nd February, 2022** **Time: 4:00 pm to 5:00 pm**

**Meet Link:** <https://meet.google.com/vjw-djz-ajw>  
**Registration Link:** <https://forms.gle/Ta7NXXG65a0fCV7f>

<b>Dr. (Mrs.) Nupur Giri</b> <small>HOD, Computer Engineering</small>	<b>Dr. M.D Patil</b> <small>VESIT Research Forum Head</small>	<b>Mr. Richard Joseph</b> <small>VESIT Research Forum Member, CIMPN</small>
<b>Shri. B. L. Boolani</b> <small>Managing Trustee, VES</small>	<b>Dr. (Mrs.) J. M. Nair</b> <small>Principal</small>	<b>Dr. (Mrs.) M. Vijayalakshmi</b> <small>Vice Principal</small>

**Coordinator: Mrs. Lifna C.S** **Moderator: Ms. Sneha Karthik**

Hashu Advani Memorial Complex, Collector's Colony, Chembur (E), Mumbai - 400074, India  
Tel. 022-61532532 Fax: 022-61532555 Email: vesit@ves.ac.in/ principal.vesit@ves.ac.in Website : <https://ves.ac.in/vesit/>

## Accomplishments

Mr. Prashant Vilas Kanade is conferred with PhD in Computer Engineering under the guidance of Dr Arun Kumar, Department of Computer Science & Engineering, School of Engineering of Sir Padampat Singhania University, Udaipur on January 20, 2022. His Research Topic is "Analysis of Health Record Standards to Provide Interoperable Electronic Health Record System Research Model for Effective Health Services in India"

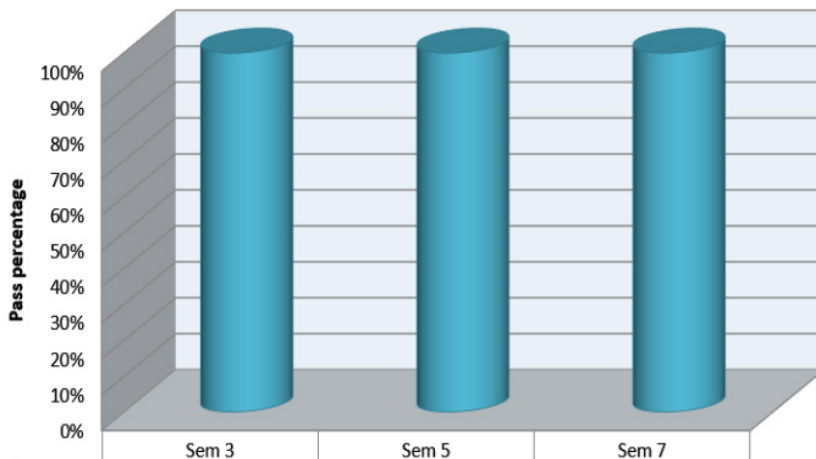


# Student Portfolio

## Students Achievement

### Academic Excellence

Computer Engineering Pass Percentage  
Odd semester 2021-22



## Higher Studies

21 students got admitted and joined for higher studies in Indian and foreign universities during the academic year 2020-21.



## Competitive Exams

43 Students have appeared for different competitive exams like GRE, TOEFL, CAT.

In this issue

## Student Portfolio

- » Students Achievement
- » Skill Development Activities
- » Tinkerers' Lab: Code Cell Activities
- » Project Innovations / Competitions
- » Industry Projects
- » Industrial Visits
- » Intra college Activities
- » Inter college Activities
- » Alumni Interaction
- » Internships
- » Scholarships

## Placement Activities

The process of placement started in third week of July 2021 with dream companies like:



93.12% of eligible and interested students have got placed till date.

Highest salary offered is 29.25 Lacs/Annum.

159 students have got the dream job offers

Average salary offered is 7.5 Lacs/Annum

### Contest Participation IVP FinTech Quiz

#### Winner Team members:

Namrata Tolani  
Divesh Hariani  
Avinash Tripathy  
Abhijit Thikekar

#### Runner-up Team Members:

Kedar Kharde  
Siddhesh Bhere  
Rohit Jadhav  
Riteshsingh Kadakoti

## Skills Development Activities

### NPTEL Video Lectures

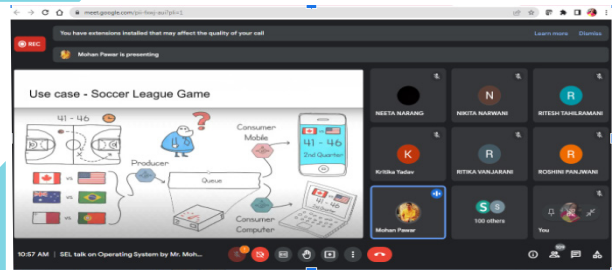
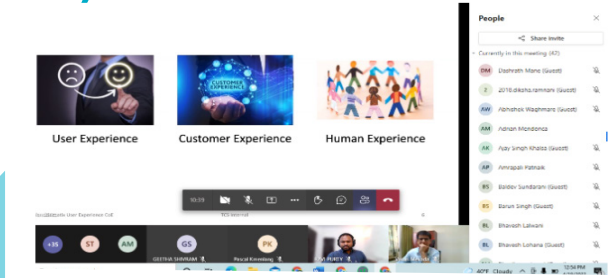
- » NPTEL Video lecture was conducted for Second Year students on the topic "Concurrency Control" by Prof. Partha Das, IIT Kharagpur on 25th April 2022 for the subject Database management Systems.
- » NPTEL Video lecture was conducted for third year students on the topic "Intermediate Code Generation" by Y. N. Shrikant, Professor, IISc Bangalore on 20th April 2022 for the subject System Programming and Compiler Constructions.





## Skill Enhancement Lectures (SEL)

- » An expert session on “Let Us Design User Experience” was conducted by Mrs. Geetha Shivram, Mr. Varun Mevada, Mr. Ravi kuty, Mr. Pascal Interaction Designer, Ultimatix User Experience CoE, Tata Consultancy Services on 18th April 2022 (Monday) for final year students for the subject Human Machine Interactions.
- » An expert session on “OS Architecture , Operating System Applications & Implementation” was conducted by Mr. Mohan Pawar, Senior DevOps Engineer at Cimpres India on 26th MArch 2022 for second year students for the subject “Operating System”.
- » An expert session on “Technology Frontiers and High Energy Physics” was conducted by Prof. Shashikant Dugad, TIFR , Mumbai on 8th April 2022 for third year students for the subject “Artificial Intelligence”



## Certifications

- » Total Coursera Certifications: 22.
- » Oracle Certifications: 154
- » NPTEL local chapter: 6 courses offered

## GATE Preparation Course 21-22

- » Department of Computer Engineering - VESIT, under the guidance of VESIT - IQAC and in association with Advanced Training Cell conducted the GATE preparation course 21-22 to guide the students to appear in the GATE -2022 examination from 1st February, 2022 to 4th February, 2022. Total 24 Students attended the course.

**Vivekanand Education Society's Institute of Technology**  
(Affiliated to University of Mumbai, Approved by AICTE and Recognized by Govt. of Maharashtra)

Under the guidance of Internal Quality Assurance Cell (IQAC) In Association with Advanced Training Cell  
Department of Computer Engineering

**Organizes**  
**GATE Preparation 2021-22**  
1st Feb 2022 - 4th Feb 2022  
Venue : Online

Data Structures - Richard Joseph, Purna Solanke  
Theory of Computer Science - Yagchhaya Galphar, Satish Ranbhise  
Database Management System - Veena Trivedi, Manisha Mathur

Meet Link : <https://meet.google.com/hwd-mgd-gjil>  
Registration Link : <https://forms.gle/VUqz8tRbGv0zCm1A>

Dr. (Mrs.) Nupur Giri HOD, Computer Engineering Deputy HOD, Computer Engineering Dr. (Mrs.) Sujata Khedkar AIC, Computer Engineering  
Shri. B. L. Boolani President, VES Dr. (Mrs.) J. M. Nair Principal, VESIT Dr. (Mrs.) M. Vijayalakshmi Vice Principal, VESIT  
Coordinator: Mr. Richard Joseph

Hashu Advani Memorial Complex, Collector's Colony, Chembur (E), Mumbai - 400074, India  
Tel: 022-61523532 Fax: 022-61523555 Email: vesit@ves.ac.in, principal.vesit@ves.ac.in, Website: <https://ves.ac.in/VESIT/>

## Tinkers' Lab : Code Cell Activities

### Flutter (Value Added Course)

A Value Added course was organized by the Computer Engineering department to enhance the mobile application skills of the students during 5 th March, 2022 - 9th April, 2022. Total 84 students registered for the course.

Speakers: Mr. Richard Joseph Mrs. Veena Trivedi, Mrs. Purna Solanke, Mr. Satish Ranbhise, Mrs. Manisha Mathur, Mrs. Priti Joshi

**Vivekanand Education Society's Institute of Technology**  
Department of Computer Engineering

In Association with VESIT-IQAC and VESIT-IC

Organizes

Add-On Course (Upskilling) on  
Flutter - Mobile Application Development

DATE: 5th March, 22 - 16th April, 22  
TIME: On Saturdays, 10am to 3pm

30+ Hrs Hands-On Session

Course Conductors:  
- Mr. Richard Joseph  
- Mrs. Veena Trivedi  
- Mr. Satish Ranbhise  
- Mrs. Purna Solanke  
- Mrs. Manisha Mathur  
- Mrs. Priti Joshi

**Syllabus**

REGISTER NOW!



## ChaiAPI Charcha

Workshop and API Development Competition was conducted on 28th March 2022 by Tinkerer's CodeCell Department in association with VESIT - IIC (Institute Innovation Council) & VESIT - IQAC (Institute Quality Assurance Cell), under the guidance of Dr.(Mrs) Nupur Giri (HOD, Computer Engineering), Mr. Prashant Kanade (CodeCell in charge), Mr. Richard Joseph (CodeCell co-ordinator), and Mrs. Geocey Shejy (CodeCell co-ordinator)

**Speakers:** Yashraj Desai

**No of attendees:** 80

**Sponsored by:** GITHUB



## Project Innovations / Competitions

### VISAI 2022 International Project Competition

**Project Title:** Prime Era - One Place for Learning Fundamentals Of Regional Languages Members:

**Team Members:**

Siddhesh Gadge, Kedar Kharde, Rohit Jadhav, Siddhesh Bhare

**Mentor:**

Mrs. Indu Dokare

**Achievement:** 1st position



## Internal Hackathon : For Smart India Hackathon 2022

Internal Hackathon was conducted in offline mode on 19th March 2022 in VESIT. Total 26 teams participated in SIH Internal Hackathon from CMPN, of which 6 final teams and 2 waiting teams were shortlisted for SIH 2022.

## LBS Championship 2021-22:

Six Teams from CMPN were finalist in LBS 2022 Championship of which below team secured second position.

**Project Title:**

GistGator (MoM)

**Team Members:**

Shubham Zope D12A, Ajay Nair D12A, J N Guru Akaash D12A, Nihar Kenny D12A

**Achievement:**

2nd runner up

# Departmental Technology Day, Pradarshan'22:

» Department of Computer Engineering, VESIT in association with IQAC organized Departmental Technology Day, Pradarshan'22 (A Project Competition) on 28th March, 2022 Monday.



## Detection of Covid-19 using Chest X-Rays (1st prize)

Nirmiti Sali -D12C  
Srushti Biwalkar-D12C  
Nimisha Khadilkar-D12C  
Amisha Swamy-D12C

**Mentor:**  
Mrs. Nusrat Ansari

## Prime Era - One place for learning fundamentals of Indian regional languages and Indian sign language (1st Prize)

Siddhesh Gadge -D17B  
Siddhesh Bhare-D17B  
Rohit Jadhav-D17B  
Kedar Kharde-D17B

**Mentor:**  
Mrs. Indu Dokare

## Secured Data Communication (2nd Prize)

Prem Chhabria-D17B  
Jay Jhaveri-D17B  
Abhay Gupta-D17B  
Neeraj Ochani-D17B

**Mentor:**  
Dr. Sharmila Sengupta + Mrs. Sunita Suralkar

## Unremitting Surveillance: A Patient Monitoring System (2nd Prize)

Parthesh Pawar-D17B  
Sanket Jangale-D17B  
Kunal Kotkar-D17B  
Aashish Nagpal-D17B

**Mentor:**  
Mr. Richard Joseph

## Identifying Foliar Diseases in Tomato Plants (3rd Prize)

Akhil Chakkungal- D12B  
Riya Shukla- D12B  
Samita Kanojia- D12B  
Palak Garg- D12B

**Mentor:**  
Mrs. Lifna.C.S

## Detection of ADR from vaccine safety data (3rd Prize)

Sahil Lotya-D17B  
Nikhil gangaramani-D17C  
Akansha Ahuja-D17A  
Shivani Kulkarni-D17C

**Mentor:**  
Dr. Sujata Khedkar



# Creative Ideas & Innovations In Action (CIIA) Contest :

Under the guidance of VESIT-IIC, students of the Department of Computer Engineering attended the Creative Ideas & Innovations In Action (CIIA) Contest (a project by the Rotary Club of Bombay and Baldev Sharma's Marshalls Foundation powered by The Times of India Group) conducted on 29th March & 30th March 2022. Out of the 15 groups that participated for the contest from the Institute, 6 groups were selected from the Department of Computer Engineering.

**Project title:** VoteChain is a decentralized voting system using blockchain technology

**Project title:** A web application to record daily whereabouts of the user



**Project title:** 'Covid Detection from Normal and Pneumonia cases using Chest X-Ray'

**Project title:** Road Conditions Detection



**Project title:** Tomato Leaf Disease Detection System

**Project title:** Build essential cognitive skills through various memory games



# Industry Projects

## OCR Based Systems (TIFR Mumbai)

Aabha Ranade-D12A  
Dhwani Serai-D12B  
Dhiren Soneji-D12A  
Abhinav Sharma-D12A

### Mentor:

Mrs. Priya R. L + Mrs. Lifna C.S

## Detection of ADR from vaccine safety data (Cere Labs Pvt. Ltd., Mumbai)

Sahil Lotya D17B,  
Nikhil gangaramani D17C,  
Akansha Ahuja D17A,  
Shivani Kulkarni D17C

### Mentor:

Dr. Sujata Khedkar

## Business Meeting Summarization (Cere Labs Pvt. Ltd., Mumbai)

Rahul Koli D17B,  
Jayant Mukundam D17C,  
Muskaan Sharma D17A,  
Harshita Mishra D17C

### Mentor:

Mrs. Rupali Hande

## Automated visual inspection of silicon detectors in CMS experiment (TIFR Mumbai)

Amit Dinesh Chhabria - D12C  
Rashmi Manwani - D12A  
Priyanka Asrani -D12C  
Swarangi Dali - D12C  
Vaishnavi Ainapure -D12A  
Ajay Singh Khalsa-D12C

### Mentor:

Dr. Nupur Giri, Mr. Richard Joseph

## Secured Data Communication (TIFR Mumbai)

Prem Chhabria -D12B  
Jay Jhaveri -D12B  
Abhay Gupta-D12B  
Neeraj Ochani-D12B

### Mentor:

Dr. Sharmila Sengupta + Mrs. Sunita Suralkar

## Touchless Attendance System (TIFR Mumbai)

Salonee Velonde-D12B  
Dimple Nachnani-D12C  
Mayur Manik Pawar-D12A  
Sejal Kriplani-D12C

### Mentor:

Dr. Gresha Bhatia + Mrs. Abha Tewari

## Paddy: To detect and prevent paddy crop disease (Agriculture Research Station Lonavala)

Rounak Talreja-D12A  
Prium Rohera-D12A  
Varsha Jawrani-D12B  
Bhajan Watwani-D12C

### Mentor:

Dr. Sharmila Sengupta

## Konark Dossiers (Konark IP Dossiers Pvt. Ltd.)

Aryan Bedi -D12B  
Kartik Nagdev-D12B  
Rohit Manghani-D12B  
Pratik Aswani-D12B

### Mentor:

Mrs. Mannat Daultani



Prof. Shashikant Dugad, TIFR , Mumbai with Project Mentors



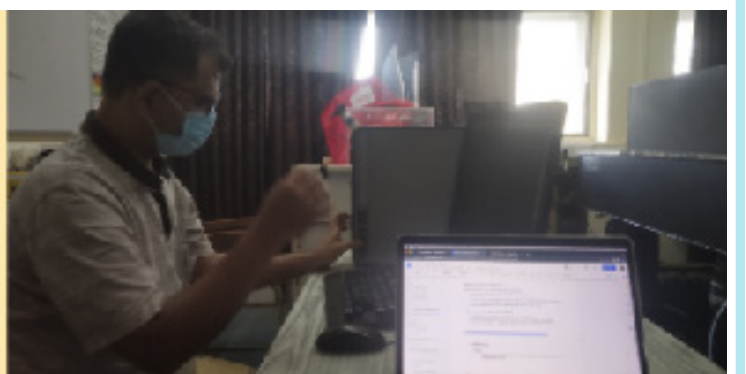
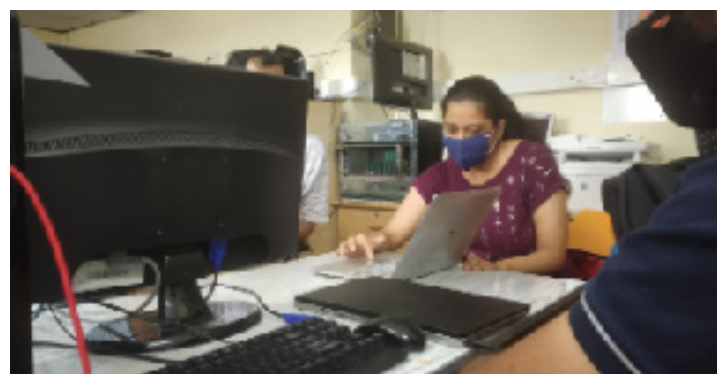
# Industrial Visits



Industrial visit to Agricultural Research Station, Industrial visit to TIFR, on 3rd March and 24th March 2022  
Lonavala on 1st October 2022



Industrial visit to TIFR Mumbai on 23rd December, 17th March and 9th February 2022



Industrial visit to TIFR Mumbai on 04th April 2022

# Intra-College Competitions



CSI: 359



IEEE : 207



ISA : 5



ISTE : 682



Sports: 88



PRAXIS '22

Praxis : 330



Octaves: 14



Sort: 211

The figures indicates the participation count

# Inter-College Competitions



Hanisha Mohinani, Shivangee Kaw, Vinita Chugh, Om Yerawar and Mrs. Indu Dokare won Best paper presenter award in the International conference Interdisciplinary Research in Technology and Management 2022 held from 24th-26th february. Title of the research paper was "Vegetable and Fruit Leaf Diseases Detection Using ResNet".



Best Paper Award- International Conference on Smart Technology & System for next generation computing



Newton's Grand Contest 2022



**GLOBALINK RESEARCH INTERNSHIP AWARD  
DISBURSEMENT INFORMATION AND PLACEMENT TERMS AND CONDITIONS**

Dear Vishesh Rajiv Mittal,

Congratulations! You have been selected by Mitacs and Professor Philippe Pasquier from Simon Fraser University – Surrey to receive a 2022 Globalink Research Internship award. You are therefore invited to participate in a research project at **Simon Fraser University – Surrey**. Pursuant to an agreement with Simon Fraser University – Surrey, Mitacs will administer your funding grant.

Mitacs Globalink Research Internship is a competitive program that pairs top-ranked international students with specific research expertise with faculty at Canadian academic institutions for a twelve (12) week research project of mutual interest between May and October 2022. You have been selected by your Canadian host faculty project leader due to your background and skills in the research area and the unique contribution you will be making to the research during your stay. **The skills required for your role (as described in the research description below) were found to clearly match your skills set, education, and research experience.**

**Research internship details**

**University/Institution:** Simon Fraser University – Surrey  
**Host professor:** Philippe Pasquier  
**Research project title:** Generative Electronic Music

**Mr. Vishesh Mittal D12B, has been selected by Mitacs and Professor Philippe Pasquier from Simon Fraser University – Surrey to receive a 2022 Globalink Research Internship award.**



Snackdown 2021



Rubix'22-43 hour online hackathons

- » Sarthak Thakur, Anjali Badlani, Sanket Chowdhary, Harshita Kanal and Sharmila Sengupta Received Best Paper Award for Vayu - A proposal to address the SDG for maintaining AQI through 5G/6G mobile network, in International Conference on Smart Technologies and Systems for Next Generation Computing held during 25th -26th MArch 2022
- » Pooja Koshti secured the first prize in IETE Council, SIES GST Technical Paper Presentation 2022.
- » Akanksha Ahuja secured 2nd position at Freestyle Group Dance Competition Alegria.
- » Sanket Jangale, Siddhesh Bhare, Tanvi Shetty, Samita Kanojia, J N Guru Akaash, Nihar Kenny, Asmita Bhangare, Shubhangi Zope,

- Rashmi Singh, Muskan Hassanandani, Garv Jhangiani, Shreya Hegde, Parthesh Pawar, Rohit Jadhav participated in National level Competition Smart India hackathon 2022.
- » Rashmi Singh participated in International level competition Newton's coding challenge January 2022 2022.
- » Disha Mehta, Vaishnavi Shinde participated in ICIRTE - 7th International Conference on Innovation and Research in Technology and Engineering 2022 at International level
- » Sanket Jangale, Parthesh Pawar, Kunal Kotkar, Aashish Nagpal, Siddhesh Bhare, Siddhesh Gadge, Kedar Kharde participated in University level competition- Avishkar 2022.

# Congratulations !

Our distinguished alumni (Computer Engineering- Batch 2010) Squadron Leader Suraj Nair conferred the coveted "Vayu Sena Award" on 26th January, 2022 for his bravery.

Squadron Leader Suraj Nair (32105) is on posted strength of a Mi-17 V5 Helicopter Unit.

New Delhi. On 3 April 2021, Sqn Ldr Nair volunteered to take part in a daring Casualty Evacuation mission in the vicinity to an ambush site in a known Naxalite infested area. He provided priceless inputs to the higher authorities at the control centre for effective planning and successful accomplishment of the mission. He planned the preparation and launch of the helicopters in a short notice; serving as an asset to his mission leader. After recce of the ambush site, his inputs were instrumental in effective execution of the dynamic mission.



The mission involved high risk due to the unfamiliar hostile area with Naxalites operating in proximity to the hills. During the initial recce, he manoeuvred his helicopter clear of the mission leader, simultaneously looking for disposition of own and hostile forces and locating a suitable spot for extraction. During the Cas Evac, displaying good situational awareness, he effectively guided the third helicopter towards his leader. His immaculate handling of the aircraft proved instrumental in safely recovering mortal remains from the restricted landing site with an uneven surface which was surrounded by tall trees. His deft Crew Resource Management ensured safe accomplishment of the task in a hostile area.

In the subsequent missions for support of these operations, he recovered eight mortal remains from the ambush site. He was also involved in the insertion of 120 commandos for augmenting operations. With exceptional commitment to the assigned task, presence of mind and optimum utilisation of resources at hand, he was able to effect safe and expeditious conduct of missions in the vicinity of volatile combat site.

For his act of exceptional courage and disregard to personal safety in a very hostile combat zone, Sqn Ldr Suraj Nair is conferred with the award of **Vayu Sena Medal (Gallantry)**.

## Internships

### Industry Internships

Total 07 students have completed industry internships at various industries like Ace Writers Hub, Exposys data labs, Technotreon Intellectual Ventures, IIT Bombay in the 2021-22 even sem.

## Scholarships Applied / Received

Around 100 students have applied for the following scholarships - Students Aid Scholarship, Vivekanand Jyoti Scholarship. Of which around 10 students have received scholarships worth approx Rs. 1,50,000/-

## Staff In-Charges



Dr. Nupur Giri



Dr. Gresha Bhatia



Mrs. Nusrat Ansari



Mrs. Pallavi Saindane

## Editorial Team



Ms. Srishti Shetty



Ms. Radhika Katiyara



Ms. Drishti Katiyara