



TANTRADNYA

January-April 2024
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DEPARTMENT OF INFORMATION TECHNOLOGY

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Dr. Radhika Kotecha, Head of Department

Ms. Seema Yadav, Assistant Professor

Newsletter

January-April 2024

- **Departmental Activities:**

- Mrs. Nasim Shah organized an Expert Session on “Develop cost-effective robust application using the latest Python trends and technologies” on March 30, 2024.

The image displays two screenshots of a Zoom meeting interface, showing a presentation on Python programming and data visualization.

Top Screenshot: The meeting is titled "pranay liya (Presenting)". The main window shows a Python code editor with a class definition for a car. The code includes a constructor, a method to display car information, and an instance of the class. The output shows the car's make, model, year, and a variable.

```
1 class Car:
2     # Constructor (called when creating a new object)
3     def __init__(self, make, model, year):
4         self.make = make
5         self.model = model
6         self.year = year
7     # Method to display car information
8     def display_info(self, var):
9         var = 1
10        print("Make: (self.make), Model: (self.model), year: (self.year), var: (var)")
11
12 (variable) my_car = Car("Honda", "Civic", 2023)
13
14 # Access object attributes and call methods
15 print(my_car.make) # Output: Honda
16 my_car.display_info("1") # Output: Make: Honda, Model: Civic, Year: 2023, var: 1
```

The participant list on the right includes: pranay liya, Ayush Shah, Devansh Raigaglia, HITANSHU KANAB..., Hitansh Gopani, Suyash Saraf, Vaidehi Godbole, 54 others, and NASIM BANU SHAH.

Bottom Screenshot: The meeting is still titled "pranay liya (Presenting)". The main window shows a Jupyter Notebook with four plots: a Scatter Plot, a Histogram of X, a Bar Chart by Category, and a Line Plot (NumPy). The participant list on the right includes: pranay liya, HITANSHU KANAB..., Hitansh Gopani, Suyash Saraf, Vaidehi Godbole, parth ashra, SAHIL MANGE, 52 others, and NASIM BANU SHAH.

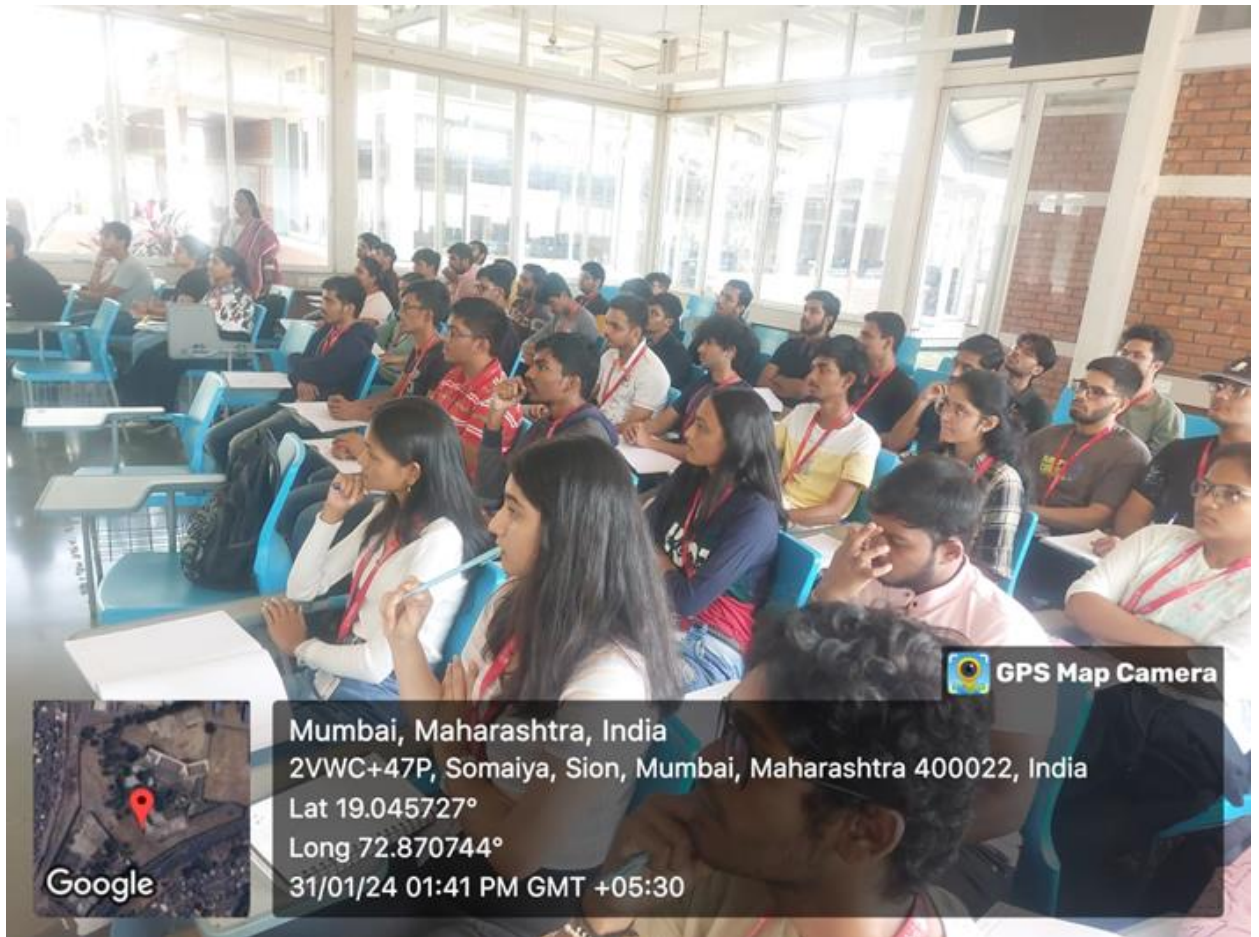
- Mrs. Nasim Shah organized a seminar on “Motivational Session by Successful Innovators” on January 31, 2024.



 **GPS Map Camera**



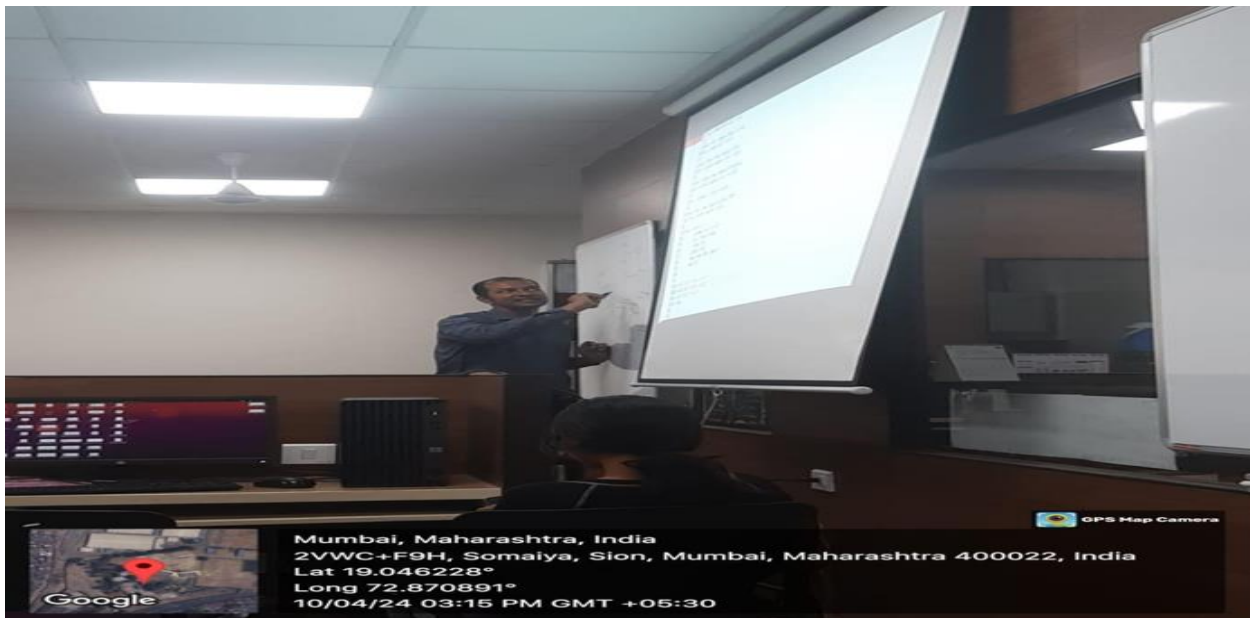
K. J. Somaiya Institute of Technology, Sion, Mumbai, Maharashtra, India
Somaiya Ayurvihar, Sion, Mumbai, Maharashtra 400022, India
Lat 19.046064°
Long 72.871026°
31/01/24 01:31 PM GMT +05:30



- Dr. Mansing Rathod has conducted Activity on “**Viksit Bharat@2047 Utsav Celebration on March 20 ,2024**,Total number of participants:59,Timing:10.00 PM to 12.00PM, **Objectives:** Establish a framework for educational institutions to uphold excellence within the education sector, catalyzing the rapid development of our nation within a limited timeframe. Emphasize the necessity to transcend mere education and skills, advocating for heightened awareness of national interests and civic responsibility among citizens.



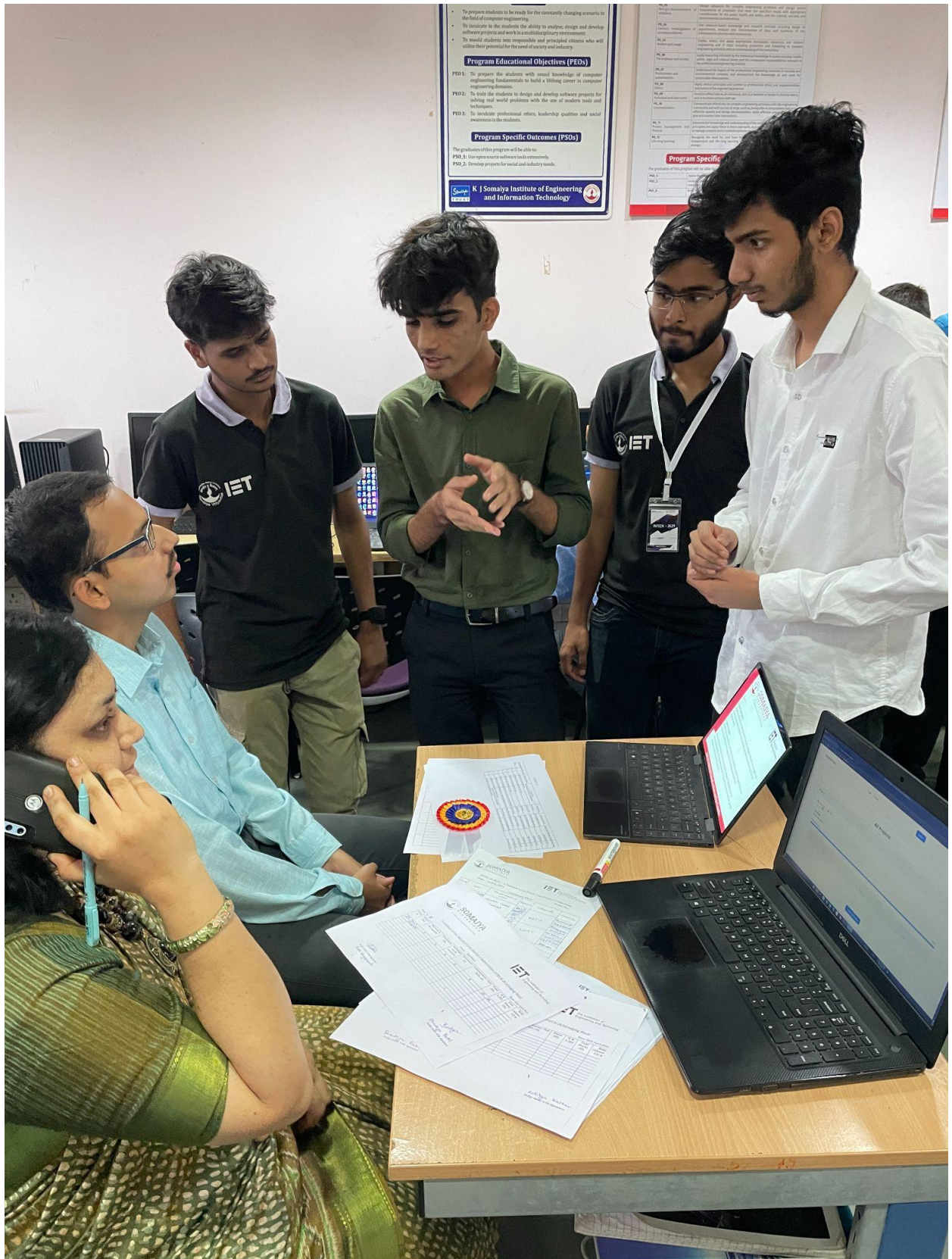
- Mr. Uday Rote organized a Workshop on “ Network Design using ns2” on April 10, 2024.





National Level Poster cum Project Competition “KJSIT - IET - INTECH 2k24” organized by K J Somaiya Institute of Technology, Sion, Mumbai, coordinated by Sarita Rathod, Reena Lokare and Nasim Shah for all students on April 6, 2024.









- **Activities and Achievements of Faculties:**
 - Dr. Hariram Chavan, successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program (FDP) on “Generative AI :

Concerns and Solutions” at Bharatiya Vidya Bhavans, Sardar Patel Institute of Technology from 01/01/2024 to 06/01/2024.

- Dr. Hariram Chavan, conducted an Expert session on “AI- Basics, Industrial Applications and ANN-Learning Applications” for the students of Electronics and Computer Science Department of on 16th January 2024 at Kalsekar technical Campus, New Panvel.
- Dr. Hariram Chavan, reviewed the papers of an International Conference on Technologies for Energy, Agriculture, and Healthcare of K J Somaiya College of Engineering, Mumbai, on 6th February 2024.
- Dr. Hariram Chavan, reviewed the papers of :
 - Journal: International Journal of Computational Vision and Robotics,
 - Manuscript ID: IJCVR-145439,
 - Type: Research Article,
 - Title: Deep learning enabled crop disease recognition using leaf images for improving productivity, On 12th Feb 2024.
- Dr. Hariram Chavan, conducted Two Days' hands on workshop on “Python and Machine Learning” on 21st and 22nd March, 2024 organised by the Department of Information Technology, Pillai HOC College of Engineering and Technology, Rasayani, under Indian Society for Technical Education (ISTE).
- Dr. Hariram Chavan, worked as a jury in HACKXCELERATE 2024 organized by Community Of Coders AND CE & IT Department of VJTI powered by VJTI TBI On 23rd March 2024.
- Dr. Hariram Chavan worked as a Session chair for the 2nd International Conference on Advances in Technology and Management-2024 (1CATM-2024) A.C. Patil College of Engineering, Kharghar, Navi Mumbai., on April 5-6, 2024.
- Dr. Hariram Chavan, reviewed the manuscript of :
 - Journal: Journal of Sensors (Wiley)
 - Manuscript ID: 2215121
 - Type: Research Article,
 - Title: Enhanced Wheat Head Detection in Images Using Fourier Domain Adaptation and Random Guided Filter, On 26th April 2024.
- Dr.Mansing Rathod “Attended One Week National level Online Faculty Development Program on Outcome Based Education and Application of Generative AI in Teaching and Research,18 March 2024 to 23 March 2024,DST-CURIE-AI center of Sri Padmavati Mahila Visvavidyalayam (SPMVV University), Tirupati,
- Dr.Mansing Rathod “ Attended One week Faculty Development Program on “ SCOPE OF IOT FOR INDUSTRIAL AUTOMATION”08 April 2024 to 13 April 2024,Datta Meghe College of Engineering, Navi-Mumbai
- Dr. Mansing Rathod “book chapter "**Resolution Enhancement for RGB Color Components of Satellite Images Using Wavelet Transforms Domain Algorithms**" has been accepted for the "Applications of Artificial Intelligence and IoT based Signal Processing, Computer Vision and Data Analytics" in Taylor and Francis Group, LLC, CRC Press.
- Dr. Mansing Rathod “ Attended Two days training program on AI For YOUTH” conducted by Intel Digital Readiness, from February 13-14,2024, K.J.Somaiya Institute of Technology,Sion, Mumbai.
- Mrs. Seema Yadav has completed two days training program on “AI For YOUTH” conducted by Intel Digital Readiness, from February 13-14,2024, K.J.Somaiya Institute of Technology,Sion, Mumbai.

- Mrs. Seema Yadav has reviewed the papers of an International Conference on Technologies for Energy, Agriculture, and Healthcare of K J Somaiya College of Engineering, Mumbai, on 6th February 2024.
- Mrs. Seema Yadav has completed two days training program on “AI For YOUTH” conducted by Intel Digital Readiness, from February 13-14,2024, K.J.Somaiya Institute of Technology,Sion, Mumbai.
- Dr.Vijaya Umesh Pinjarkar has completed 12 Weeks NPTEL certificate course in “BBlockchain and Application ” held during January 2024 to April 2024
- Mrs. Nasim Shah has successfully completed ISTE approved online FDP on “Cloud Computing and its Services” held during 1st January 2024 to 6th January 2024, organized by A.C. Patil College of Engineering,Kharghar, Navi Mumbai.
- Mrs. Nasim Shah has published a paper on “AI Based Personal YOGA Assistant " in 2nd IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2024) on March 14-16, 2024.
- Mrs. Nasim Shah reviewed research papers for the International Conference on Business Intelligence and Data Analytics (BIDA 2024) RV Institute of Management (RVIM), Bangalore, India April 06-07, 2024.
- Dr Harsh N Bhore has completed AICTE - CDAC HPC Master Training during February 05,2024 to February 16 , 2024 at CDAC Pune.
- Dr Harsh N Bhore worked as a Session chair for INDIACOM 2024 held during February 29,2024 at BVICAM, New Delhi .
- Dr Harsh N Bhore worked as a Session chair for AIMTREF - 2024 held during April 15,2024 to April 16,2024 at SKN, Pune .
- Dr Harsh N Bhore reviewed research papers for the IEEE International Conference on Artificial Intelligence, Computer,Data Sciences and Applications- ACDSA 2024.
- Dr.Harsh N Bhore has completed 4 Weeks NPTEL certificate course in “Patent Drafting for Beginners ” held during January 2024 to April 2024
- Dr. Reena Lokare reviewed research papers for the IEEE International Conference on Artificial Intelligence, Computer,Data Sciences and Applications- ACDSA 2024.
- Dr. Reena Lokare has successfully completed ISTE approved online FDP on “Cloud Computing and its Services” held during 1st January 2024 to 6th January 2024, organized by A.C. Patil College of Engineering,Kharghar, Navi Mumbai.
- Dr. Reena Lokare has published a paper on “Transparent Precision: Explainable AI Empowered Breast Cancer Recommendations for Personalized Treatment” in Scopus indexed journal- International Journal of Artificial Intelligence on February 28,2024.
- Dr.Reena Lokare has submitted research proposal on “Artificial Intelligence based Precision Medicine Recommendation for Breast Cancer using Multi Omics data” at Science and Engineering Research Board”, File No : SPG/2024/002481 on February 20,2024 and is under scrutiny.
- Mrs. Sarita Rathod has successfully completed FDP on “Empowering Research : A Guide to Leveraging Open AI Tools for Scientific Inquiry (Research) held during February 24, 2024 at SIES GST, Nerul.
- Mrs. Sarita Rathod has successfully completed 12 Weeks NPTEL certificate course in “Natural Language Processing” held during January 2024 to April 2024.
- Mrs Sudeshna Baliarsingh has published a paper on “ECG Compression using Decomposition Techniques for Smart Healthcare System" in International Symposium on Computational Vision And Robotics, (ISCVR-2024),16th March, 2024, Interscience Institute Of Management And Technology (IIIT) , Bhubaneswar,India.
- Mrs Sudeshna Baliarsingh has submitted research journal paper on “Multistage Compression technique for ECG Signals with R-Peak detection for IoT Healthcare” at Application of IOT in Manufacturing, Communication, and Engineering on May 6, 2024, and is under scrutiny.

- Mrs Sudeshna Baliarsingh has completed a Self- Paced online Course on "Living with Climate change and Water Management under the initiative "Youth Engagement and Stewardship for Climate Change and Water Conservation" by UNICEF and DTE on May 2024.



- Mrs. Sudeshna Baliarsingh has completed a Self- Paced online course on "Youth Leadership for Climate Action : Waste Management and Climate Action, under the initiative "Youth Engagement and Stewardship for Climate Change and Water

Conservation" by UNICEF and DTE on May 2024.



- Ms Bhagyashree Ingle has completed NPTEL Online certification course in “Research Methodology”
- Ms Bhagyashree Ingle has completed a Self- Paced online Course on "Living with Climate change and Water Management under the initiative "Youth Engagement and Stewardship for Climate Change and Water Conservation" by UNICEF and DTE on May 2024.
- **Achievements of Students**

Student from Department of Information Technology Roshan Kiransingh Rawat secured First rank in Kabaddi tournament organized by DY Patil College of law on March 04, 2024



- Students from Department of Information Technology Rohit Yadav and Subhadip Samanta appreciated for dedication and valuable contribution for KJSIT-"Somaiya BeliefSat-0", under New Leap Initiative, that Embarked on January 01, 2024 through ISRO's PSLV-C58 POEM Mission.



SOMAIYA
VIDYAVIHAR

K J Somaia Institute of Technology

(Formerly known as K J Somaia Institute of Engineering & Information Technology)

An Autonomous Institute permanently affiliated to University of Mumbai.

Ref: KJSIT/NLL/806/2023-24

Date: 5th January, 2024

It is with utmost pleasure

that we present this

Letter of Appreciation

To

Master Subhadip Dipak Samanta
of

Information Technology Department of Third Year

In recognition of your dedication and your valuable contribution for

KJSIT-"Somaia BeliefSat-0", under New Leap Initiative, that

Embarked on January 01, 2024 through

ISRO's PSLV-C58 POEM Mission

This appreciative gesture is conferred with due honor on

5th January, 2024.

We applaud your dedication

and congratulate you on a job well done.

Dr. Suresh Ukarande
Principal KJSCE



Dr. Vivek Sunnapwar
Principal KJSIT

K J Somaia Institute of Technology
Somaia Ayurvihar Complex, Eastern Express Highway,
Near Everard Nagar, Sion (E), Mumbai - 400 022



SOMAIYA
VIDYAVIHAR

K J Somaiya Institute of Technology
(Formerly known as K J Somaiya Institute of Engineering & Information Technology)
An Autonomous Institute permanently affiliated to University of Mumbai.



Ref: KJSIT/NLL/799/2023-24

Date: 8th January, 2024

It is with utmost pleasure

that we present this

Letter of Appreciation

To

Master Rohit Rajesh Yadav
of

Information Technology Department of Third Year

In recognition of your dedication and your valuable contribution for

KJSIT-"Somaiya BeliefSat-0", under New Leap Initiative, that

Embarked on January 01, 2024 through

ISRO's PSLV-CS8 POEM Mission

This appreciative gesture is conferred with due honor on

5th January, 2024.

We applaud your dedication

and congratulate you on a job well done.

Dr. Suresh Ukarande
Principal KJSCE



Dr. Vivek Sunnapwar
Principal KJSIT

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Feb 21, 2024, 20:08

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