Vidya Vikas Education Trust's

Universal College of Engineering

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Gujarati Linguistic Minority Institution

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Coffee & Code ;

An Initiative by the Department of Computer Engineering

VISION

To be recognized as a department that provides quality technical education and research opportunities that eventually caters to helping and serving the community.

MISSION

- To groom the students to participate in curricular and co-curricular activities by providing efficient resources.
- To motivate the students to solve real world problems to help the society grow.
- To provide a learning ambience to enhance innovations, team spirit and leadership qualities for students.

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Prepared by:

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MRS. HEZAL LOPES

In Association with

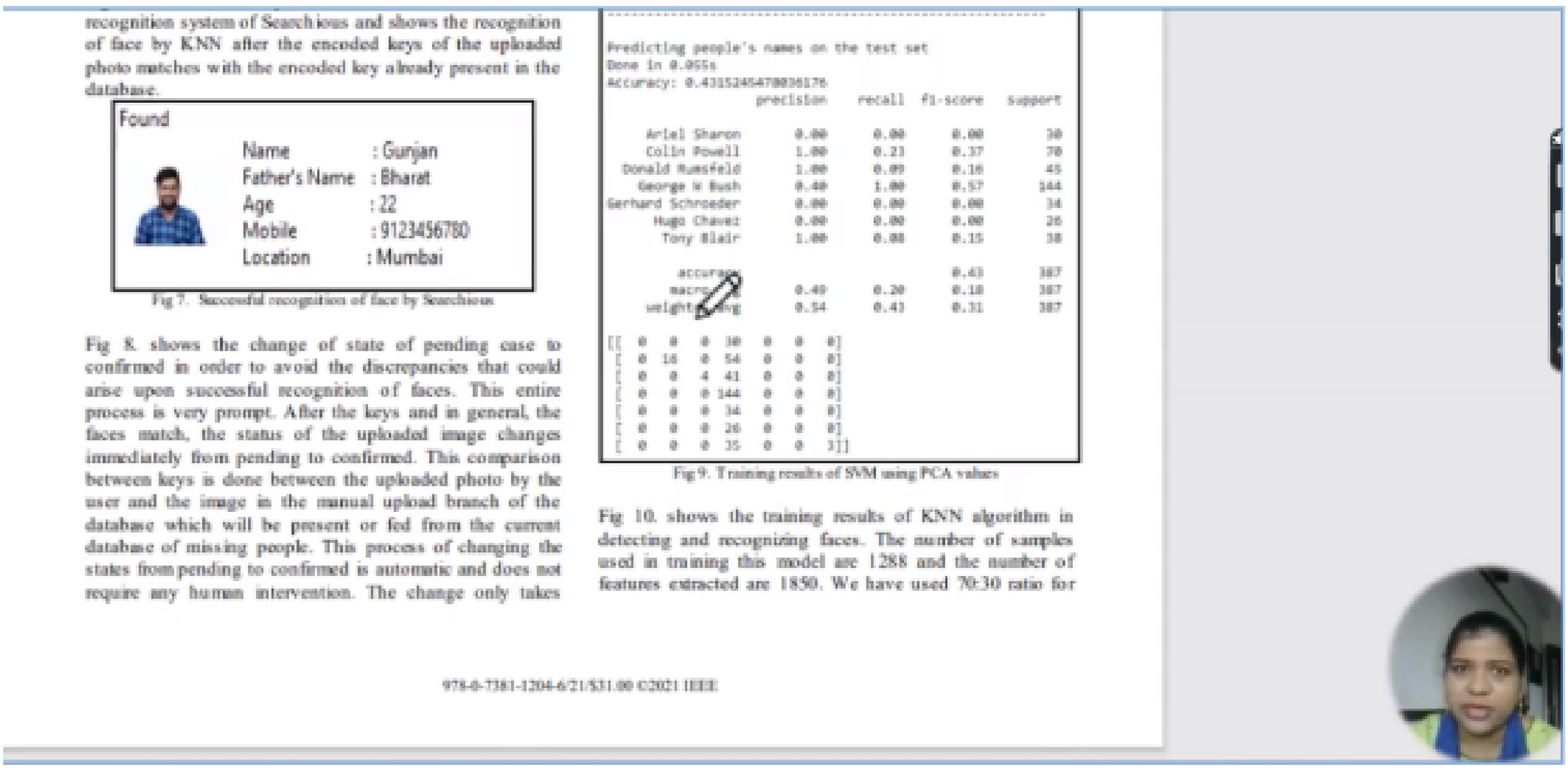
CESA

(Computer Engineering Student Association)

Our Previous Articles

Webinar on Research Paper writing

Department of Computer engineering conducted a session on“Research paper writing”, for BE Computer students, on Friday, 04th February 2022 from 9:30 to 10:30 am. A total of 77 students attended the session. Mrs. Vishakha Shelke, Project coordinator conducted the session under the guidance of Dr. Jitendra Saturwar, Head of the computer engineering department. In this session, Mrs. Vishakha Shelke explained the importance of paper publication and opportunities to students. She explained with reference to the published paper how to write an abstract of the paper, How to put a literature survey in the research paper. She covered the major aspects of the entire paper in a prescribed sequence that includes Abstract, Introduction, Literature Survey, Proposed System, Algorithm, Result and discussion, Conclusion and Future Scope and References. In this session, Mrs. Vishakha Shelke gave brief information about the Proposed system, how to include System Architecture with an explanation of technology/ algorithm While explaining each and every block in the architecture. How to discuss the results of the proposed solution In the form of figures/screenshots/graphs/charts, Evaluation Metrics, Comparison with other systems. She further guided how to conclude the paper by discussing the overall conclusion and future scope which is more advanced in the same with respect to other technology. The session was so much useful for BE students they shared their doubts in the Q/A session After the session students were provided with all reference material on the BE Majorproject google classroom..


recognition system of Searchious and shows the recognition of face by KNN after the encoded keys of the uploaded photo matches with the encoded key already present in the database.

Found

Name : Gunjan
Father's Name : Bharat
Age : 22
Mobile : 9123456780
Location : Mumbai

Fig 7. Successful recognition of face by Searchious

Fig 8. shows the change of state of pending case to confirmed in order to avoid the discrepancies that could arise upon successful recognition of faces. This entire process is very prompt. After the keys and in general, the faces match, the status of the uploaded image changes immediately from pending to confirmed. This comparison between keys is done between the uploaded photo by the user and the image in the manual upload branch of the database which will be present or fed from the current database of missing people. This process of changing the states from pending to confirmed is automatic and does not require any human intervention. The change only takes

Predicting people's names on the test set
Done in 0.055s
Accuracy: 0.43152454780361756

	precision	recall	f1-score	support
Ariel Sharon	0.00	0.00	0.00	30
Colin Powell	1.00	0.23	0.37	70
Donald Rumsfeld	1.00	0.09	0.16	45
George W Bush	0.40	1.00	0.57	144
Gerhard Schroeder	0.00	0.00	0.00	34
Hugo Chavez	0.00	0.00	0.00	26
Tony Blair	1.00	0.08	0.15	38
accuracy			0.43	387
macro avg	0.49	0.20	0.18	387
weighted avg	0.54	0.43	0.31	387

```
[[  0   0   0  30   0   0   0]
 [  0  16   0  54   0   0   0]
 [  0   0   4  41   0   0   0]
 [  0   0   0 144   0   0   0]
 [  0   0   0  34   0   0   0]
 [  0   0   0  26   0   0   0]
 [  0   0   0  35   0   0   3]]
```

Fig 9. Training results of SVM using PCA values

Fig 10. shows the training results of KNN algorithm in detecting and recognizing faces. The number of samples used in training this model are 1288 and the number of features extracted are 1850. We have used 70:30 ratio for

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https://drive.google.com/drive/folders/1cfg38ujzyX_0bdXCFv0Frw8aHVAHP_Gh?usp=sharing

Anvenshan:Student Research Convention 2021-22

Association of Indian Universities, New Delhi is organizing “Anvention” at National Level.
The selection round at the university level was organized by the University of Mumbai. BE Computer Engineering 4 project groups represented UCoE and participated at Anvenshan: Student Research Convention 2021-22 on Thursday, February 24, 2022, at Department of Students Development Vidyapeeth Vidyarthi Bhavan, Churchgate. The research project represented various categories like Engineering and technology with domain Artificial Intelligence, Machine Learning, Virtual and augmented realities, Agriculture. Students demonstrated their complete working demo in front of the selection panel. The panel appreciated students' work and innovative cost-effective ideas.

Project title: NeuroVision Brain Tumor Segmentation and 3D visualization
Project Member: Harsh Patel, Mihir Parmar, Vrunda Patel
Project Guide: Dr. Jitendra Saturwar

Project title: Virtual Ally: UCoE Campus Navigation System using Tableau
Project Member: Janvi Shree Shrimal, Pragati Tiwari, Pallavi Pawar
Project Guide: Mrs. Vishakha Shelke

Project title: Jewellery try on using AR
Project Member : Jai Prajapat, Simran Shah, Manish Sathe
Project Guide: Mr. Chinmay Raut

Project title:HealthyHarvest: Crop and Fertilizer recommendation system
Project Member: Punit Shah, Priyal Vyas, Sambhav Bhansali
Project Guide: Mrs. Poonam Thakre

Yes.....We Can

Happy Women's Day all beautiful and wonderful ladies of UCoE !!!!!

Faculty Achievement

Certificate

This is to certify that ***Mr. ASHRAF SIDDIQUI*** has successfully completed the AICTE-ISTE approved Orientation/Refresher Programme on ***"Cyber Risk and Security"*** held during **14.12.2021** to **21.12.2021** organized by ***Ramrao Adik Institute of Technology, Nerul, Navi Mumbai, Maharashtra.***

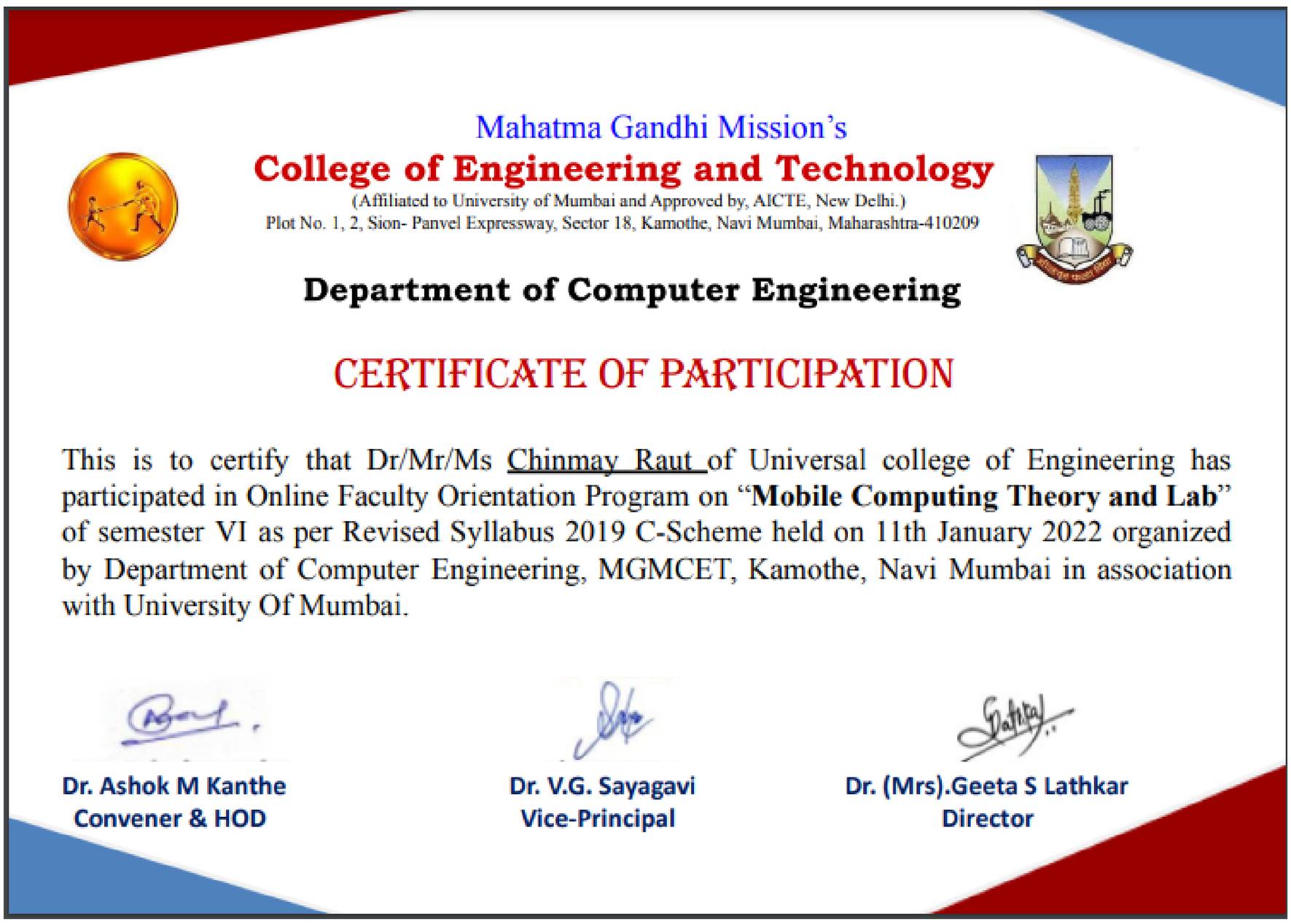
Director (FDC)
AICTE, ND

Executive Secretary
ISTE, ND

Program Coordinator
RAIT, Navi Mumbai

Principal
RAIT, Navi Mumbai

Mr.Ashraf Siddiqui has attended Orientation Program on "Cyber Risk and Security"



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Department of Computer Engineering

CERTIFICATE OF PARTICIPATION

This is to certify that Dr/Mr/Ms Chinmay Raut of Universal college of Engineering has participated in Online Faculty Orientation Program on "**Mobile Computing Theory and Lab**" of semester VI as per Revised Syllabus 2019 C-Scheme held on 11th January 2022 organized by Department of Computer Engineering, MGMCET, Kamothe, Navi Mumbai in association with University Of Mumbai.

Dr. Ashok M Kanthe
Convener & HOD

Dr. V.G. Sayagavi
Vice-Principal

Dr. (Mrs).Geeta S Lathkar
Director

Mr.Chinmay Raut has attended Faculty Orientation Program on "Mobile Computing"

Lata Mangeshkar

Lata Mangeshkar, (born September 28, 1929, Indore, British India—died February 6, 2022, Mumbai, India) was, legendary Indian playback singer noted for her distinctive voice and a vocal range that extended over more than three octaves. Her career spanned eight decades, and she recorded songs for the soundtracks of more than 2,000 Indian films.

Mangeshkar's father, Dinanath Mangeshkar, was a noted Marathi stage personality popularly known as Master Dinanath. Lata, who was the eldest of five siblings, was introduced to music at an early age. She recorded her first song at age 13 for Vasant Joglekar's Marathi film Kiti Hasaal, though her song did not make the final edit. Mangeshkar was trained from age five by her father, a disciple of the Gwalior gharana (a community of performers who share a distinctive musical style), and she was also tutored by maestros such as Aman Ali Khan Sahib and Amanat Khan. As a teenager, she struggled to help support her family and to establish herself as a playback singer in the Hindi film industry of the 1940s, at a time when the profession was dominated by such divas as Shamshad Begum and Noor Jehan.

After Mangeshkar recorded the hit "Uthaye ja unke sitam" in Andaz (1949), her destiny was sealed. From that point on she voiced the musical parts for every major leading lady, representing every generation of Hindi cinema from Nargis and Waheeda Rehman to Madhuri Dixit and Preity Zinta. Music directors such as Naushad Ali, Madan Mohan, and S.D. Burman composed tunes specifically to exploit the potential of her wide-ranging soprano. Mangeshkar's singing contributed a great deal to the commercial success of such films as Mahal (1949), Barsaat (1949), Satyam shivam sundaram (1978), and Maine pyar kiya (1989). Notable among her concert performances was her wartime rendition of the poet Pradeep's patriotic song "Ae mere watan ke logo," which moved Indian Prime Minister Jawaharlal Nehru to tears.

In 1991 Mangeshkar was credited with having made 30,000 solo, duet, and chorus-backed song recordings in 14 Indian languages between 1948 and 1987. She won four Filmfare awards (Filmfare is a noted Indian film magazine) for her song "Aaja re pardesi" from the film Madhumati (1958), for "Kahin deep jale kahin dil" from Bees saal baad (1962), for "Tumhi mere mandir" from the film Khandaan (1965), and for "Aap mujhe acchhe lagne lage" from the film Jeene ki raah (1969). She was awarded the Padma Vibhushan, one of India's highest civilian honors, in 1999, and two years later she became the second film celebrity (the first was Satyajit Ray in 1992) to receive the Bharat Ratna (2001), India's highest civilian award for performance of the highest order in any field. Mangeshkar's sister Asha Bhosle was also a noted playback singer.

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Source: https://www.britannica.com/biography/Lata-Mangeshkar

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