Newsletter

Department Mission

Impart education that encourages students to read critically, reason analytically, communicate persuasively, apply professionally and prepare them to excel in the field of computing.

Department Vision

The vision of Computer Engineering Department is to recognize itself as globally renowned learning centre in the field of Computer Science & Engineering and foster the research and innovations for the global good.

Faculty Award & Achievement

In the situation of COVID–19 pandemic, keeping oneself up-to-date, enhancing knowledge is a challenging task. The department faculty members and students took this challenge and updated themselves through different advanced courses online. They have successfully completed number of online courses through NPTEL and Coursera. Few of such achievements are highlighted here.

First Runner-up position in poster presentation on "Privacy-Preserving Dummy Generation in Location-Based Services" at 9th International Conference on Security, Privacy and Applied Cryptographic Engineering (SPACE 2019) December 3-7, 2019, Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, India

Phd scholar Himanshu Kantilal Gajera (DS19CO001) has successfully completed the online, non-credit Specialization on Deep Learning on coursera. Specialization is designed to prepare learners to participate in the development of cutting-edge AI technology, and to understand the capability, the challenges, and the consequences of the rise of deep learning. Through five interconnected courses, learners develop a profound knowledge of the hottest AI algorithms, mastering deep learning from its foundations (neural networks) to its industry applications.
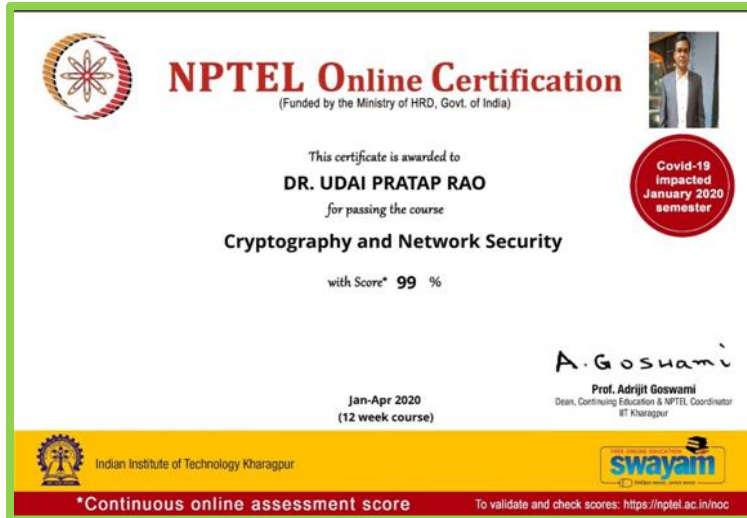
PhD scholar Mr. Dilay Parmar (DS17CO001) under the Supervision of Dr. Udai Pratap Rao secured second prize (Rs. 3000/-) in PhD Forum Poster Demonstration in connection with the 3rd ISEA Internation Conference on Security and Privcacy (ISEA-ISAP 2020) organized by Department of Computer Engineering, IIT Guwahati from 27th Feburary- 1st March 2020.

Dr. D. C. Jinwala, Professor (HAG), Computer Engineering Department, has been appointed as "Professor In-charge International Affairs" by the institute.

Dr. Sankita J. Patel faculty member of department was invited for online special broadcast of a talk on a "Cyber attack and COVID-19" by Akashvani Surat. She was also invited for live phoning program on "Cyber Frauds" by a public service brocaster Doordarshan Ahmedabad (DDGIRNAR). This program was organized for the publice interest and awareness as per the guideline of Meity GOI through Doordarshan.

Dr. Udai Pratap Rao faculty member of department has completed 12 weeks (Jan- April 2020) NPTEL online certification course on Cryptography and Network Security with score of 99%.

Dr. Dipti P. Rana faculty member of department has completed 4 weeks course on "Natural Language Processing" in TensorFlow. Grade Achieved: 96.9%.

Dr. Dipti P. Rana faculty member of department has completed 5 week course on "Social Network Analysis" on coursera on May 12, 2020. Grade Achieved: 91.31%.

Dr. Dipti P. Rana faculty member of department has completed one-week course on "How Google does Machine Learning" in Google Cloud Platform on courser. Grade Achieved: 97.51%.

Alumni Information

The department is deeply saddened to loose one of its alumni Dr. Tanish Zaveri on 6th July, 2020. The unexpected passing of Dr. Tanish Zaveri is a significant loss for the department and the whole research community. Dr. Tanish Zaveri completed his PhD in Computer Engineering from Sardar Vallabhbhai National Institute of Technology, Surat in the year 2010.Our sincere sympathy and condolances to his family. His contribution to the institute and research community could never be forgotten.

Alumni is always a precious resource for the development of the department and the achievement of the alumni becomes a pride for the department. The effort is made to highlight the achievements of the alumni members in the newsletter. In this process, the profile of alumni members with their current designation in the company and passed out batch information are highlighted in the following table.

One of the alumni of the department, Dr. Shailja Patil has been honored by the prestigious award AICTE Visvesvaraya Best Teacher Award 2020. Department congratulate her for this award.

One of such pride moments for the department is that of Mr. Partha Protim Das, IPS. He is IPS officer of Batch 2018 and currently posted at Dibrugarh, Assam.

He is alumni member (U04CO233) of NIT Surat of batch 2004-2008. His interaction with Prime Minister Shir Narendra Modi: https://www.youtube.com/watch?v=OV3uR1fLHKk

Name of Student	Designation	Batch Year	Company Name
Sourabh Varshney	Member Technical	2016 - 2020	D. E. Shaw India Pvt. Ltd.
Mistry Deep Bipinbhai	Software Engineer	2016 - 2020	Gojek
Shreyas Kishorkumar Patel	Engineer	2016 - 2020	Samsung R&D , Delhi
Yash Khatri	Associate Software Engineer	2016 - 2020	Carwale
Meghana Konda	Software engineer	2016 - 2020	Fanatics
Vivek Shah	Software Developer Engineering	2016 - 2020	JP Morgan Chase & Co.
Rakshitkumar Panchal	Software Developer	2016 - 2020	Sify Technology
Animesh Panara	Software developer Engineer	2015 - 2019	Microsoft
Mansi Jain	Associate Software Engineer	2015 - 2019	Optum Global Solutions (United Health Group)
Aakash Vora	Software Engineer	2015 - 2019	J. P. Morgan Chase & Co.
Aksh Patel	Software Development Engineer	2015 - 2019	Mastercard
Himanshu Kantharia	Officer	2014 - 2018	HPCL
Paul Jose	Software Engineer	2014 - 2018	Ugam Solutions
Nupur Atulkumar Modi	Information systems officer	2014 - 2018	Hindustan petroleum corporation limited
Kalavadiya Milankumar Ravjibhai	Deputy Manager	2014 - 2018	Reliance Jio Infocom Ltd
Pravinkumar Tiwari	Software Developer	2014 - 2018	Aasaanjobs Pvt Ltd
Mohit Sharma	Software Engineer	2014 - 2018	Zilingo
Rajul Nahar	Software Engineer II	2014 - 2018	JP Morgan
Sachin Malepati	Software Engineer	2014 - 2018	JP Morgan Chase
Sagar keshri	Software Development Engineer II	2017 - 2018	Oracle
Shreya Pandya	Software developer	2014 - 2018	JP Morgan and Chase
Akash Patel	Software Engineer	2014 - 2018	Soroco India Pvt. Ltd.
Arshit Kajavadara	Software Engineer	2014 - 2018	United Health Group
Suraj Kedia	Regional Head	2004 - 2008	Zomato
Reshma Mamidi	Assistant Manager	2012 - 2016	BPCL
Vasu Dipak Mistry	Software Development Engineer II	2014 - 2018	Mastercard
Gaurav Garg	Head HCM & Research	2004 - 2008	Capital Via Global Research Limited
Partha Pratim Basumatary	Director Strategy	2002 - 2006	EY Parthenon
Ashish Khurana	Senior Manager	2002 - 2006	HSBC

Ankit Thakorbhai Patel	Technical Leader	2002 - 2006	PicusTech Software
Dharmesh Kothari	Vice President	2001 - 2005	Nomura
Rakesh Meshram	Senior java developer	2001 - 2005	JP MORGAN CHASE
Vivek Tempe	Project Engineer	2001 - 2005	Persistent Systems Nagpur
Sarvaiya Girish kalubhai	Team lead	2001 - 2005	Pulse Solutions
Harsh Pasrija	Technical Account Manager	2001 - 2005	Adobe Inc.
Jignesh M. Thummar	Sr. Software Engineer	2001 - 2005	Verizon Media, Inc. (formerly Yahoo! Inc),
Ravindra Chechani	AVP	2001 - 2005	BNY Mellon
Amiras Gandhi	Data Analyst	2001 - 2005	Emetric
Hemant Pandita	Product Head	2001 - 2005	Joulon
Keyur Rana	Professor and Dean-Student Activity Council	1993 - 1997	Sarvajanik College of Engineering and Technology
Dharmesh Rathod	Founder & CEO	1993 - 1997	NASDAR Trading Company
Rutal Mahajan	Assistant professor	2012 - 2014	SN Patel Institute of Technology and Research Center, Umrakh
Bhavesh Kantilal Borisaniya	Assistant Professor (IT Department)	2008 - 2010	Shantilal Shah Engineering College, Bhavnagar
Rutvij H Jhaveri	Assistant Professor	2012 - 2014	Pandit Deendayal Petroleum University
Hemant Suthar	Software Engineer	2017 - 2019	NXP semiconductors
Mamtesh Kumar	Software Engineer	2017 - 2019	PathPartner Technology Pvt. Ltd.
GAMIT NIKUNJ CHUNILAL	Assistant Professor	2006 - 2008	Vishwakarma Government Engineering College, Ahmedabad
Vikani Punitkumar Mansukhlal	Deputy Manager	2010 - 2012	Vodafone India Services Pvt Ltd
Vivaksha Jayesh Jariwala	Associate Professor and HOD	2009 - 2014	Sarvajanik College of Engineering and Technology Surat
Nishant Doshi	Assistant professor	2010 - 2014	PDPU Gandhinagar
Bhavesh Kantilal Borisaniya	Assistant Professor (IT Department)	2011 - 2016	Shantilal Shah Engineering college, Bhavnagar
Ami Tusharkant Choksi	Associate Professor	2009 - 2016	C.C.K.Pithawala College of Engineering & Technology
J Sathish Kumar	Assistant Professor	2015 - 2019	MNNIT Allahabad
Ruchika Gupta	Post doctoral fellow	2014 - 2018	IITG
Modi Chirag Navinchandra	Assistant Professor	2010 - 2014	NIT Goa

Student Achievement

B.Tech. 2nd Year students of SVNIT, U18CO053- Nikhil Kumar Gautam, U18CO071-Sahil Nare, U18CO075-Meet Soni, U18CO014-ParthGarasiya, U18CO063-Yukta Shah and U18EE045-Ashna Kohliawarded winners in Smart India Hackathon (SIH-2020) conducted during 1st August to 3rd August, 2020 under the mentorship of Dr. Balu L. Parne, Assistant Professor, CoED with the prize money of Rs. 1,00,000/- at nodal Center SAGE University, Indore.

Completed 6 Courses on Web Development, Machine Learning, Data science and Machine Learning. Runner up in IOT Workshop at CEV SVNIT(made Smart watch as a project) on June, 2020.	Neel B Majethiya (U19CS014)
2nd position in Code competition held by Association for Computing Machinery (ACM), Surat held in the month of June, 2020.	Krithikha Balamurugan (U19CS076), G.V Sankirtana (U19CS068)
Ujjwal Kumar, Hrishabh Sharma and Aman Mishrafrom the department are selected in the prestigious coding competition Google Summer Code on August, 2020. The department congratulate the selected students.	Ujjwal Kumar (U17CO089) Hrishabh Sharma (U17CO094) Aman Mishra (U17CO112)

PhD Completed

Mr. Bharat Arun Tidke (DS15CO007) defended his PhD thesis titled "Holistic Approaches for Identification and Ranking of Influential Users of Twitter Data" on June-2020. He worked under the supervision of Dr. Rupa G. Mehta, Associate Professor, Computer Engineering Department.

Mr. Nikunj Harsukhbhai Domadiya (DS14CO004) defended his PhD thesis titled "Privacy Preserving Association Rule Mining Approaches for Distributed Healthcare Data" on June-2020. He worked under the supervision of Dr. Udai Pratap Rao, Assistant Professor, Computer Engineering Department.

Expert Lectures

Name of Faculty Member	Title of Lecture	Date of Programe
Prof. Mukesh A. Zaveri	Basics of Machine Learning	29 June 2020 during Five Days Online STTP on Recent Trends in IoTs and Cloud Computing (RT-IoTCC2020, June 29 - July 03, 2020) organized by Department of Computer Engineering, SVNIT, Surat under TEQIP-III
Prof. Mukesh A. Zaveri	Introduction to Internet of Things	29 June 2020 during Five Days Online STTP on Recent Trends in IoTs and Cloud Computing (RT-Io TCC 2020, June 29 - July 03, 2020) organized by Department of Computer Engineering, SVNIT, Surat under TEQIP-III
Dr. Bhavesh N. Gohil	Cloud Computing	29 June 2020 during Five Days Online STTP on Recent Trends in IoTs and Cloud Computing (RT-Io TCC 2020, June 29 - July 03, 2020) organized by Department of Computer Engineering, SVNIT, Surat under TEQIP-III
Dr. Bhavesh N. Gohil	Cloud Computing using AWS	Webinar organized by Department of Computer Application, BMU, Surat, 8th June, 2020

Publications

B.Tech. Student Publications

1 Bharat Tidke, Rupa Mehta, Dipti Rana, Divyani Mittal, Puja Suthar, "A social network based approach to identify and rank influential nodes for smart city", Cybernetic, Emerald, Online, 2020, (SCI)

2 Anya Trivedi, Aashka Trivedi, Sourabh Varshney, Vidhey Joshipura, Rupa Mehta, and Jenish Dhanani, "Similarity Analysis of Legal Documents: A Survey", International Conference On ICT For Sustainable Development, Goa, India,23-24 July 2020,Scopus

3 Bharat Tidke, Rupa Mehta, Dipti Rana, Divyani Mittal, Puja Suthar, A social network based approach to identify and rank influential nodes for smart city, Cybernetic, Emerald, ISSN: 0368-492X, Online, 2020

4 Divyani Mittal, Pooja Suthar, Madhuri Patil, P.G.S Pranaya, Dr. Dipti P. Rana, Mr. Bharat Tidke, Social Network Influencer Rank Recommender Using Diverse Features from Topical Graph, Elsevier Science Direct Procedia Computer Science, Vol. 167, pp. 1861–1871, 2020

5 Dipti P Rana, Simran Bawkar, Mansi Jain, Swati Bothra, Shailesh Baldaniya, "Image Based Fake Tweet Retrieval (IBFTR)", International Conference for Emerging Technology (INCET 2020), Belgaum, India, pp. 1-8, June 2020

6 Vaibhav Agrawal, Aishwarya Agarwal, Shailja Shah, Dilay Parmar and Udai Pratap Rao, "Decentralised Ecosystem for Journalism based on Blockchain", In the proceedings of the International Conference Blockchain Technology (IC-BCT 2019),Springer, pp. 7-19, 2020.

7 Rishipal Yadav, Udai Pratap Rao, Dilay Parmar, Sumedh Nimkarde and Gaurav Jat, "Preserving Location Privacy Using Blockchain", In the proceedings of the International Conference Blockchain Technology (IC-BCT 2019),Springer, pp. 1-5, 2020.

M.Tech. Student Publications

1 Bharat Tidke, Rupa Mehta, Dipti Rana, Hullash Jangir, "Topic Sensitive User Clustering using Sentiment Score and Similarity Measures: Big Data and Social Network", Int. Jou.of Web-Based Learning and Teaching Technologies (IGI),15,2020,34-45.

2 B. Tidke, R. Mehta, D. Rana and H. Jangir, Topic Sensitive User Clustering using Sentiment Score and Similarity Measures: Big Data and Social Network, International Journal of Web-Based Learning and Teaching Technologies (IJWLTT), IGI Global, Vol. 15(2), 2020.

Faculty Journal Publications

1. Dhruti Sharma, Devesh C. Jinwala. "Aggregate Searchable Encryption With Result Privacy." IN: International Journal of Information Security and Privacy (IJISP), Volume 14, Issue 2, pp. 62--82, IGI Global Publications, 2020.

2. Mukti Padhya, Devesh C. Jinwala. "CRSQ-KASE: Key Aggregate Searchable Encryption Supporting Conjunctive Range and Sort Query on Multi-owner Encrypted Data. In: Arabian Journal for Science and Engineering, Article in Press. 2020

3. Unnati S Shah, Sankita J Patel, Devesh C Jinwala, "Constructing a knowledge-based quality attributes relationship matrix to identify conflicts in non-functional requirements." In: Journal of Computational and Theoretical Nanoscience, Volume 17, Issue 1, pp. 122-129. 2020.

4. Shivanshu Mehta, Devesh C Jinwala, Upena Dalal, Dhiren Patel, "Decentralized context aware access control model for internet of things" In: Journal of Computational and Theoretical Nanoscience, Volume 17, Issue 1, pp. 162-171, 2020.

5. Rutal Mahajan and Mukesh Zaveri, "Humor Identification using Affect based Content in Target Text", Journal of Intelligent & Fuzzy Systems, IOS Press, (accepted for publication) April 2020.

6. Jenish Dhanai, Rupa Mehta, Dipti Rana, "Sentiment Weighted Word Embedding for Big Text Data", Web-Based Learning and Teaching Technologies ,2020 (Scopus) (Accepted With Minor Revision).

7. Bharat Tidke, Rupa Mehta, Dipti Rana, Divyani Mittal, Puja Suthar, "A social network based approach to identify and rank influential nodes for smart city", Cybernetic, Emerald, Online, 2020(SCI).

8. Bharat Tidke, Rupa Mehta, Jenish Dhanani, "Multi-Modal Ensemble Approach to Identify and Rank Top-k Influential Nodes of Scholarly Literature Using Twitter Network", Journal of Information Science, SAGE,46,2020,437-458,SCI.

9. Sonal Patil, K. N. Jariwala, Design of a machine learning layer to optimize forgery detection in videos, Journal of Interdisciplinary Mathematics, Volume 23, Issue-1, Apr 2020, Pages 43-52. (ESCI).

10. B. Tidke, R. Mehta, D. Rana and H. Jangir, Topic Sensitive User Clustering using Sentiment Score and Similarity Measures: Big Data and Social Network, International Journal of Web-Based Learning and Teaching Technologies (IJWLTT), IGI Global, Vol. 15(2), 2020.

11 Divyani Mittal, Pooja Suthar, Madhuri Patil, P.G.S Pranaya, Dr. Dipti P. Rana, Mr. Bharat Tidke, Social Network Influencer Rank Recommender Using Diverse Features from Topical Graph, Elsevier Science Direct Procedia Computer Science, Vol. 167, pp. 1861–1871, 2020.

12 More, A.S., ,Rana, D. P., An Experimental Assessment of Random Forest Classification Performance Improvisation with Sampling and Stage Wise Success Rate Calculation, Elsevier Science Direct Procedia Computer Science, Vol. 167, pp. 1711-1721, 2020

13 Ruchika Gupta, Udai Pratap Rao, "Preserving Location Privacy using Three Layer RDV Masking in Geocoded Published Discrete Point Data", World Wide Web, Vol 23. No. 1, pp. 175-206, Springer, 2020.

14 Bhavesh N. Gohil, Dhiren R. Patel, "An improved Grey Wolf Optimizer(iGWO) for Global Engineering Optimization", Journal of Computational and Theoretical Nanoscience, ingenta connect, Volume 17, Number 1, January 2020, pp. 359-362(4), Jan 2020.

15 Swati Kumari and KeyurParmar, Secure and Decentralized Crowdfunding Mechanism Based on Blockchain Technology, International Conference on Paradigms of Computing, Communication and Data Sciences, NIT Kurukshetra, Springer, 2020.

Computer Engineering Department
Sardar Vallabhbhai National Institute of Technology
Ichchhanath, Surat – 395007, Gujarat, India