

VEER NARMAD SOUTH GUJARAT UNIVERSITY

**J. P. DAWER INSTITUTE OF INFORMATION
SCIENCE AND TECHNOLOGY
DEPARTMENT OF I.C.T.**

M.Sc. (I.T.)



PROSPECTUS

**Master of Science (Information Technology)
26th – Batch – 2025-2030**

Veer Narmad South Gujarat University

University Campus, Udhna-Magdalla Road, SURAT-395 007, Gujarat, India



The vision of Veer Narmad South Gujarat University is to contribute in the field of Higher Education to deliver best in class knowledge. It foresees to create trained personnel in various branches of literacy keeping nation-building as a major goal. The University is dedicated to uphold eminence in both undergraduate and postgraduate teaching, promoting research and undertaking the requisite extension activities that would extend to all in the society. A semi-urban University located at Surat city, the University has a campus spread over 210 acres. The University, re-accredited 'B++' grade with 2.86 CGPA on 4 Points scale by the National Accreditation and Assessment Council in 2022. The University is committed to the ideal of excellence of the highest order, as evidenced by its constant revision of existing syllabi and continuous addition of new courses. It aims at optimal use of all its resources in creating a knowledge society, where rigorous scholarship and high ethical standards are blended to meet the challenges of the 21st century India.



Dr. Kishorsinh N. Chavda
Vice Chancellor
Veer Narmad South Gujarat University

HONORABLE VICE CHANCELLOR'S MESSAGE

It is a profound privilege to step into the leadership role at Veer Narmad South Gujarat University and become part of its vibrant academic community. I extend a warm welcome to students from diverse backgrounds across the globe as they explore the extensive array of undergraduate and postgraduate programs offered by our esteemed institution. With a legacy spanning over 50 years, our university has consistently empowered graduates to achieve remarkable success on the global stage.

I am particularly delighted to announce the introduction of two pioneering programs in Information Technology: the **M.Sc. IT (5-Year Integrated Program)** and the **M.Sc. ICT (2-Year Postgraduate Program)**. These innovative courses not only enhance our academic portfolio but also address the ever-evolving demands of a technology-driven world. They offer a wealth of opportunities in the dynamic fields of software development and the IT industry, equipping students to excel in leading global tech companies or establish successful entrepreneurial ventures.

I sincerely invite motivated learners to embark on a transformative journey of exploration and knowledge acquisition through these programs. My best wishes go to our dedicated faculty and ambitious students as they strive to achieve their aspirations. Together, let us continue to build an environment that inspires intellectual growth, fosters creativity, and drives innovation within the distinguished framework of our university.



Dr. R. C. Gadhvi
REGISTRAR
Veer Narmad South Gujarat University

HONORABLE REGISTRAR'S MESSAGE

It is a privilege to step into this leadership role at Veer Narmad South Gujarat University. This milestone marks the start of a new chapter for our vibrant academic community, and I warmly welcome students from across the globe as we strive together for academic distinction. With a proud legacy spanning over 59 years, our university has consistently empowered graduates to excel on a global stage, reflecting the high standards of education we uphold. I am delighted to announce the launch of two groundbreaking programs in Information Technology: the **M.Sc. IT (5-Year Integrated Program)** and the **M.Sc. ICT (2-Year Postgraduate Program)**. These additions strengthen our academic offerings and address the ever-evolving needs of the modern, technology-driven world.

These programs serve as gateways to a wealth of opportunities in the dynamic fields of software development and the IT sector. It brings immense satisfaction to see our graduates making their mark in leading tech organizations or establishing successful entrepreneurial ventures.

I extend a heartfelt invitation to inquisitive minds to join us on this transformative educational journey. My best wishes go to our dedicated faculty and aspiring students as they pursue their goals with passion and determination. Together, let us create an environment that nurtures intellectual growth, inspires innovation, and drives excellence within our university's distinguished community.

ABOUT THE DEPARTMENT



Department of I.C.T. runs two courses Master of Science in Information Technology (M.Sc.(I.T.)) and Master of Science in Information and Communication Technology (M.Sc.(I.C.T.)).

M.Sc.(I.T.) is a 5 year integrated course run by V.N.S.G.U., since the year 2000. M.Sc.(I.T.) course combines various facets of computer application, electronics, communication, programming, networking etc. to equip students with skills relevant to industry demand. To get admission in this program, the candidate must have passed HSC from Commerce/ Science / Vocational Stream.

M.Sc.(I.C.T.) is a post graduate course of 2 Years commenced in the year 2005. that is offered to the students of computer graduates of BCA, B.Sc.(Computer Science), B.Sc.(I.T.) & B.E.

The Department is having well qualified 11 permanent faculties out of which 9 (Nine) have Ph.D. Degree in Computer Science, 1 (One) in Electronics and 1 (One) in English. The curriculum of both the courses is well framed keeping in mind the requirements of present-day IT industry. The intensive lab practical and several projects, during the tenure makes the students industry ready IT professionals. To import practical knowledge, the department has 7 labs that includes Embedded systems lab, iOT lab & iOS Lab.

Placement of students in reputed IT companies and several companies owned by the Alumni of the Department bear a testimony to the endeavor and success of the institute.

INFRASTRUCTURE

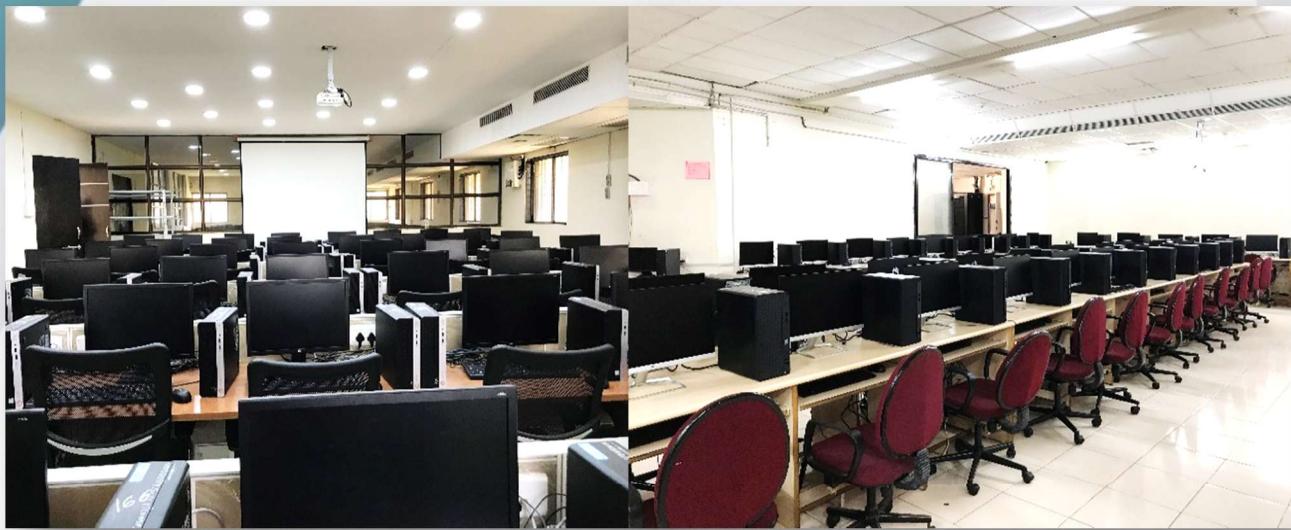
A multi-million-rupee investment is done on the infrastructure which has made the institute as one of the best-equipped educational center of Veer Narmad South Gujarat University offering Degree programs in Information Technology.

GENERAL INFRASTRUCTURE

- Classrooms and Seminar hall with interactive panels**



- Computer Laboratories (Seven)



- Library



- An AMPHI Theatre with a capacity to accommodate 900 people



● Server Room

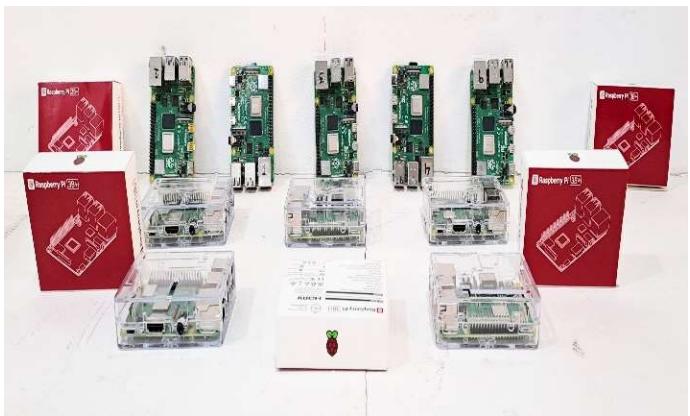


● Canteen



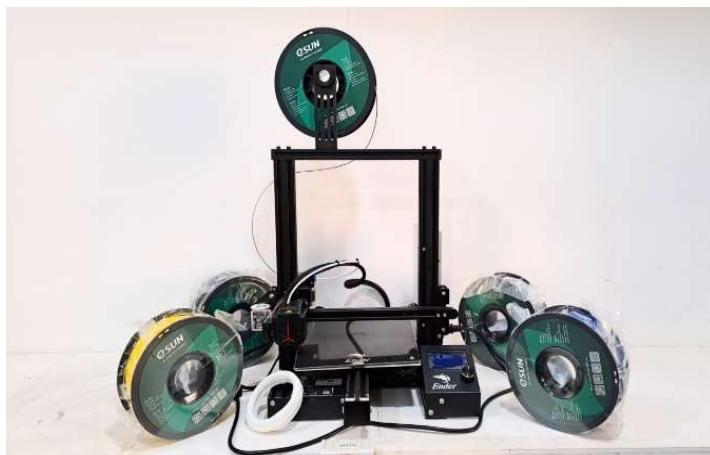
e-Yantra lab

e-Yantra Lab: Enhancing students robotics career through competitions, hands-on skills, real-world problem solving, through innovation network, mastering technical skills for industries through presentation.



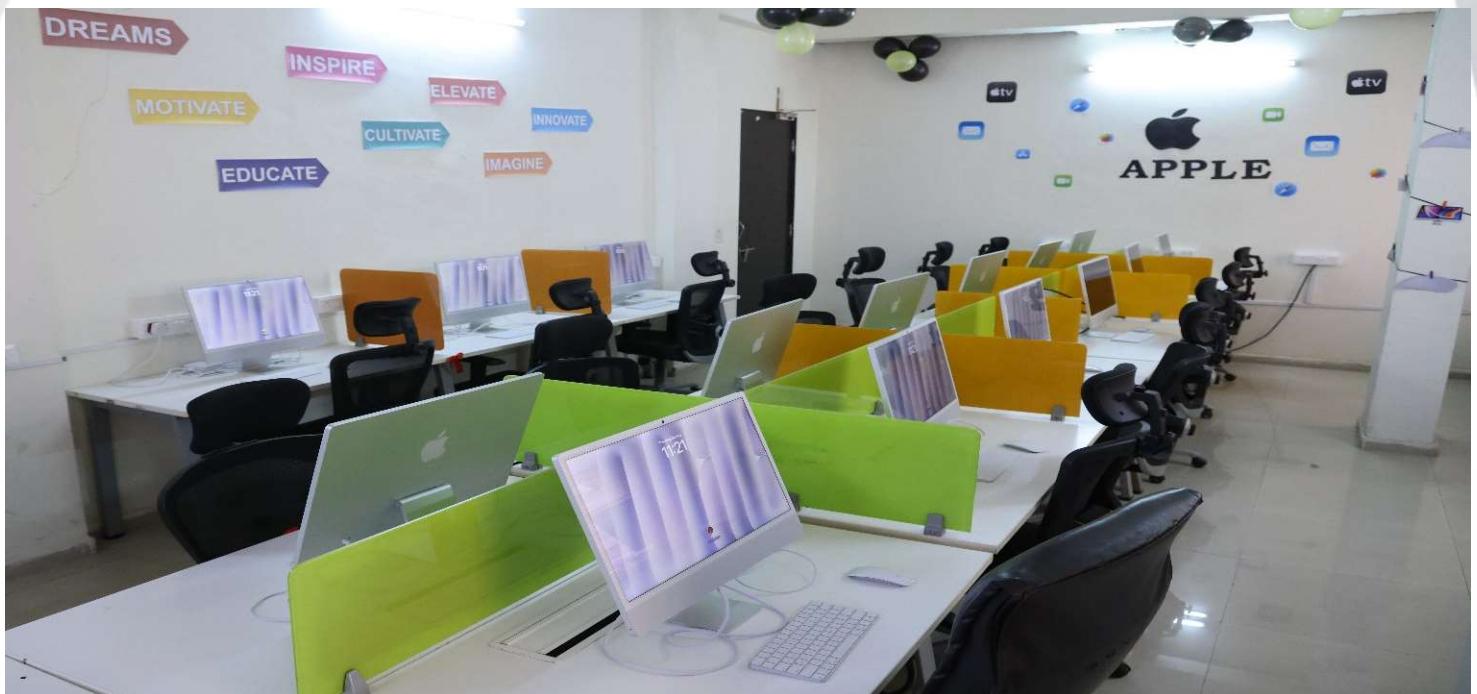
Atal Tinkering Lab(ATL)(modules-1 and 2)

Students are trained to understand the concepts of Science, Technology, Engineering and Math using ATL modules. Students can do hands on practice on different tools and equipment's to implement their innovative ideas about science, electronics, and robotics using different open-source microcontroller boards, sensors and 3D printer. Through ATL modules Student's curiosity, creativity, and imagination are boost up by developing skills like, design mindset, computational thinking, and adaptive learning .etc.



iOS/Apple Lab

Our college features a cutting-edge Apple Lab, designed to enhance learning and innovation. The lab is equipped with 20 iMac desktops, each powered by an M4 Chip processor (2.5 GHz), 16 GB RAM, and 256 GB SSD, delivering reliable performance for diverse academic and research activities. Additionally, the lab includes 16 Mac Mini systems, featuring Intel i5 processors (1.40 GHz), 4 GB RAM, and 500 GB HDD, offering compact yet robust capabilities to support a wide range of computing tasks.



GPU-for AI Research Work

Unleashing AI potential through cutting-edge GPUs for groundbreaking research



❖ Configuration:-

HP Z4 G4 Workstation, Intel® Xeon®

W-2265 CPU@ 3.50 GHZ,

64 GB RAM, 2 TB SSD

OTHER RESOURCES

Resource: Details

Internet: • Fiber Optic Internet Connection

Server: • 1 IBM BladeCenter Blade Server with 3 blades (each with Intel Xeon Processor 2.5 GHz, 16 GB RAM, 900 GB HDD)
• 1 IBM System x3650 M3 Rack Server (with Xeon Processor, 4 GB RAM, 1 TB HDD)

GPU: • 1 HP Z4 G4 Workstation, Intel® Xeon® W-2265 CPU@ 3.50 GHZ, 64 GB RAM, 2 TB SSD

Desktop: • 120 HP (with i7 Processor 2.90 GHz, 16 GB RAM, 1 TB HDD and 500 GB NVME SSD)
• 100 HP (with i7 Processor 3.60 GHz, 8 GB RAM, 1 TB HDD and 500 GB SSD)
• 60 Dell (with i7 Processor 2.70 GHz, 16 GB RAM, 1 TB SDD)
• 15 Dell (with i7 Processor 3.60 GHz, 8 GB RAM, 1 TB HDD and 500 GB SSD)

- 15 Lenovo (with i5 Processor 3.40 GHz, 4 GB RAM, 500 GB HDD and 500 GB SSD)
- 9 Mac (with i5 Processor 2.5 GHz, 4 GB RAM, 500 GB HDD)
- 20 iMac (with M4 Chip, 16 GB RAM, 256 GB SSD)
- 16 Mac mini (with i5 Processor 1.40 GHz, 4 GB RAM, 500 GB HDD)

Panel: • 15 Interactive Panel

Laptop: • 11 Dell (with i7 Processor 2.6 GHz, 8 GB RAM, 1 TB HDD)
• 12 Dell (with i5 Processor 2.4 GHz, 4 GB RAM, 500 GB HDD)
• 1 Mac (with i5 Processor 2.5 GHz, 8 GB RAM, 500 GB HDD)

Storage: • QNAP NASBox (TVS 471-I3-4G) with 4 TB Storage

Software: 1. Microsoft Window 10 License
2. Soul Software

Wi-Fi: • WiFi Campus

UPS: • 2 Uninterrupted Power Supply (40 KVP) with
• 5 - hours battery backup

CCTV: • Most area of the campus covered under CCTV surveillance

-
- Generator:** • For uninterrupted power supply

- Embedded system and IoT Equipment's:**
- Wireless sensor network kit, 3-D printer, Raspberry PI, sensors, GSM and GPS module, Bluetooth module, Node MCU wifi Module, Robotic Arm, Spark V Robot, Fire Bird V Robot, Fire bird-v LPC2148 adapter cards, 8051 microcontroller developer kits, ARM-7 Development kits, Arduino UNO kits, RFID kits, 8086 microprocessor kits etc.

Language Lab



Primary Features & Benefits:

- Know Your Level [KYL] Test
- Vocabulary Builder
- Integrated Course Modules
- Content Delivery
- Lesson Maker
- e Examiner
- Certificates
- User Reports
- e Users
- e Grouper
- eMessenger
- Lab View
- e Assignment
- e Notification

Contents Include:

- Communication Skills: Listening, speaking, Reading ,Writing
- Soft Skills
- Business Communication
- Professional Communication
- TOEFL
- IELTS
- General Knowledge
- Foreign Languages: Spanish, Japanese, Chinese, German.
- Indian Languages: Kannada, Hindi
- General English
- Grammar Pronunciation
- Sounds
- Phonetics
- Situational Conversations
- Oxford Online
- Idioms
- Documentaries and Fiction

Learning Resources - eLibrary

- 32 e-books (E Library : Pearson and McGraw Hill)
 - 3999 physical reference books

This screenshot shows the Pearson eLibrary interface. At the top, there's a navigation bar with links for 'ebooks.library.in.pearson.com/wr/index.html?version=1.0.216.1', 'Apps', 'YouTube', 'Maps', 'Gmail', and 'Discussion'. Below the bar, the Pearson logo and 'eLibrary' are displayed, along with download links for Windows and Mac. A yellow button for '+ Add Book' and a user profile icon are also present. The main area has tabs for 'MY BOOKSHELF' and 'MY LIBRARY', with 'MY LIBRARY' currently selected. It displays 13 books. Each book entry includes the book cover, title, author, an 'Added' button, and a three-dot menu. The books shown are: 'Programming in C' by Kochan, 'Data Structures and Algorithms Using C++' by Akepogu/Palagiri, 'Database Systems Using Oracle: A Simplified Guide' by Shah, 'Introduction to Digital Electronics' by Betty, 'Software Engineering' by Mishra/Mohanty, and 'Object-Oriented Programming with C++' by Sharma.

This screenshot shows the McGraw Hill Express website. The top navigation bar includes links for 'expresslibrary.mheducation.com/product/artificial-intelligence5015462?' and 'Apps', 'YouTube', 'Maps', 'Gmail'. It also shows that the user is logged in to 'Veer Narmad South Gujarat University, Surat'. The McGraw Hill India Express logo is at the top left, and a red 'DOWNLOAD APP' button is on the right. The main content area features a search bar with 'Search' and 'Advanced Search' options, and a large blue search button. Below the search is a book detail section for 'Artificial Intelligence' by Deepak Khemani. The book cover features a brain-like circuit board design. The details provided are: 'Read Online' and 'Read Offline' buttons, a compatibility section for tablets and phones, author 'Khemani', ISBN 13 '9789383286782', published date '2013', and publisher 'Mcgraw Hill'. There are also social sharing icons for Facebook, Twitter, and LinkedIn.

FACULTY PROFILE

Head of the Department Professor

Dr. Pushpal Desai



Designation: Professor
Qualification: Ph.D., MCA
Teaching Experience: 24 Years
Subjects: Operating System, RDBMS
Area of Research: Data Warehouse,
Data Mining

Dr. Devendra Pandey

Assistant Professor



Qualification: Ph.D., MCM
Teaching Experience: 22 Years
Subjects: Computer Network,
Advanced Computer Network,
E-business, Cyber Law
Area of Research: Cloud Computing,
RFID through Network security

Course Co-ordinator M.Sc. (I.C.T.)

Dr. Kamlendukumar Pandey

Assistant Professor



Qualification: Ph.D., MCA, ME, BE,
GSLET Qualified
Industrial Experience: 13 Years
Teaching Experience: 19 Years
Subjects: JavaEE, Cloud Computing (MSA, DevOps)
Area of Research: Sensor Networks,
Micro-Service Architecture, Cloud Computing

Dr. Tejas Shah

Assistant Professor



Qualification: Ph.D., M.Sc. (I.T.),

UGC NET Qualified

Teaching Experience: 20 Years

Subjects: Data Structure, RDBMS,

Software Engineering

Area of Research: Requirement Engineering

Dr. Payal Joshi

Assistant Professor



Qualification: Ph.D., M.Sc. (I.T.), UGC NET Qualified

Industrial Experience: 1 Year

Teaching Experience: 19 Years

Subjects: Open-Source Web Development,

Application Development using Full Stack

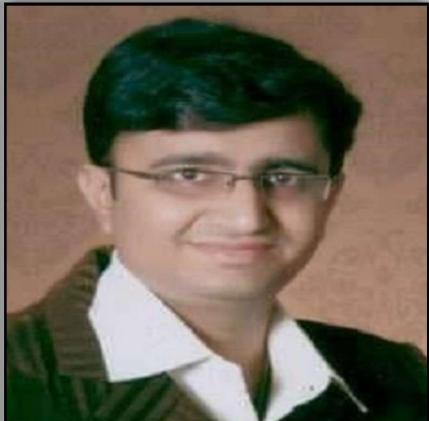
(MEAN Stack), Web Development-1

(XML, JavaScript, JQuery)

Area of Research: Information Retrieval, NLP, Machine Learning

Dr. Dhaval Joshi

Assistant Professor



Qualification: Ph.D., M.C.A., GSET Qualified

Industrial Experience: 1 Year

Teaching Experience: 19 Years

Subjects: Application Development using

.NET Core, C# NET, Cloud Computing

(AWS, Azure, GCP)

Area of Research: Schema Matching,

Data Migration, Cloud Computing, Micro Service Architecture

Dr. Shailesh Chaudhari

Assistant Professor



Qualification: Ph.D., MCA, M.Phil.,
UGC NET, GSET Qualified
Teaching Experience: 21 Years
Subjects: Software Engineering,
Smart Device Computing using(iOS / Android)
Area of Research: Image Processing

Dr. Parul Patel

Assistant Professor



Qualification: Ph.D., M.Sc. (I.T.), GSET Qualified
Teaching Experience: 18 Years
Subjects: C Programming, Information
Security and Applications, Advanced
Computer Network, DBMS
Area of Research: Information Retrieval,
Natural Language Processing, Machine Learning

Dr. Dilber Mehta

Assistant Professor



Qualification: Ph.D. (British Literature),
M.Phil., M.A. (English), B.Ed.
Teaching Experience: 19 Years
Subjects: Communication Skills, Business
Communication Skills, Soft Skills
Area of Research: British Literature and ELT

Dr. Hitesh Lad

Assistant Professor



Qualification: Ph.D., M.Phil., M.Sc. (Electronics)

Teaching Experience: 15 Years

Subjects: Fundamental of Electronics,
Embedded System and Internet of Things,
Microprocessor, Wireless Communication

Area of Research: Embedded Systems,
Internet of Things

Dr. Veena Jokhakar

Assistant Professor



Qualification: Ph.D., M.Sc. (I.T.)

Industrial Experience: 2 Years

Teaching Experience: 15 Years

Subjects: Java, Business Intelligence,
System Analysis and Design,

Python and Data Science

Area of Research: Data Warehouse, Data Mining

ADMISSIONS

CRITERIA

The candidate will be granted admission purely on the merit, based on aggregate marks obtained in HSC / Equivalent Examination. Marks obtained in practical will be inforce in calculate aggregate marks.

TOTAL INTAKE - 240

- 151 Seats are reserved for Science Stream students
- 65 seats are reserved for General Stream (Commerce) students.
- 8 Supernumerary seats are available under Sports Quota.
- 16 Supernumerary seats are available under NRI/NRI sponsored category.

Eligibility

- A candidate who has passed HSC (12th) /Equivalent Examination from Science Stream (A, B, AB Group) or General Stream (Commerce) or Vocational Stream with English as one of the subjects.

M.Sc. (I.T.)

[5 Years integrated Course]

**26th Batch-
2025-2030**

QUOTA / RESERVATION / ALLOTMENT

- Quota / Reservation / Allotment, in-force from time to time as per university norms will be applicable.

Category	Percentage
Schedule Caste (S.C.)	7%
Schedule Tribe (S.T.)	15%
Socially and Educationally Backward Caste (S.E.B.C.)	27%
E.W.S.	10%
Physically Handicapped (PH)	3% (in respective categories)

- 80% seats will be filled in by the applicants who have passed their 12th Standard examination from Gujarat Secondary and Higher Secondary Education Board, Gandhinagar.
- 20% seats will be filled in by the applicants who have passed their 12th Standard examination from Other Board (CBSE, ICSE, etc.).
- Admission on Sports Quota will be given as per the direction of the university. Admission to candidate of vocational stream will be given on the science quota seats. The number of seats for vocational stream candidates will be calculated on the basis of ratio of application received of science stream candidates and vocational stream candidates.
- Kashmir migrants will get admission as per university rules.

Note: University reserve rights to change total intake /Quota / Reservation / Allotment mentioned above.

Documents to be attached with the online application

The Candidate shall submit the self attested copies of the following documents along with the print out of the registration form at the Help Centre.

- ✓ S.S.C. Examination (Std.10th) Mark sheet
- ✓ H.S.C. Examination (Std.12th) Mark sheet
- ✓ School Leaving Certificate, Transfer Certificate or Migration Certificate.
- ✓ Trial Certificate issued by the school.
- ✓ Caste Certificate for a candidate belonging to Scheduled Castes (SC) / Scheduled Tribes (ST) and Socially and Educationally Backward Classes (SEBC) issued by the authority empowered by the Gujarat State Government in this behalf / Certificate of E.W.S. (If Applicable only).
- ✓ Non Creamy Layer (NCL) Certificate of the family, issued after 1st April of The relevant academic year, by the authority empowered by the State Government in this behalf. (If Applicable only)
- ✓ Certificate of Physical Disability, issued and duly signed by the Civil Surgeon / Competent Medical Authority, in case of a Physically Handicapped candidate (If Applicable only).

MERIT LIST

Merit list will be based on aggregate marks obtained by the candidate in HSC Examinations / Equivalent Examination. Marks obtained in practical will be included in calculating aggregate marks. In the event of a tie, the tie will be resolved by following order:

- Comparing percentage of S.S.C. Examination, then
- Comparing Birth date

A candidate, who has passed HSC / Equivalent Examination with more than one attempt is also eligible to apply, however, the candidate will be placed in the merit list after deducting 2% marks per additional attempt.

- University may revise Merit preparation rules and regulations from time to time.

Note: Note: Department timing will be between 8:00 AM to 6:00 PM, depending on the availability of staff members and physical infrastructure. The students taking admission in the course will have to follow the time table decided by the department. Department may offer admission in Morning or Afternoon shifts.

COURSE FEES

- Fee Structure for students who will enroll in Five Year Integrated Course M.Sc.(IT) in the academic year 2025 – 2026.

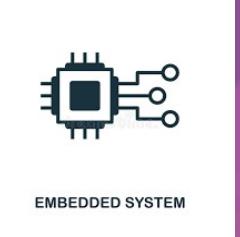
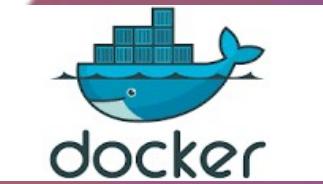
Year / Semester	Fees
B.Sc. (I.T.) Semester 1 to 6	Rs. 21,200/- per Semester
M.Sc. (I.T.) Semester 7 to 10	Rs. 27,300/- per Semester

- NRI / NRI Sponsored Seat – US \$1500 per year.
- Additional fees per semester towards registration fees, library fees, Student union fees, campus development fees, examination fees etc. shall be collected separately as per the university rules.
- An approximate 20% increase in fees will be binding on students enrolling in the academic year 2025-2026.
- Due to limited capacity, hostel accommodations will be available to limited number of students.
- **Note:- University may revise fees from time to time and the students may have to pay fees as per the Gujarat government norms.**
 - Since the process of increasing the fees mentioned in the prospectus is currently underway, there is a possibility of an increase of approximately 20%. Therefore, the increase in fees will be binding on the students who get admission during the academic year: 2025-2026.
 - The university hostel can accommodate a very small number of students. Hostel facilities may not be available to every student who gets admission.

Technologies included as per latest industry trends and requirements



Google Cloud Platform



M.Sc. (I.T.) - 5 Years Integrated Course Structure

SEMESTER – I

IT-1 NEP		
Subject Code	Subject Title	Description
101	Ability Enhancement Course-I(Communication Skills in English)	
102	Mathematics – I	
103	Fundamentals of Computer	Peripherals, Number Systems, OS, Office Tools
104	Fundamentals of Programming using C - I	C Language
105	Practical – 1	Based on 104
106	Skill Enhancement Course-I(Internet and Web Technology)	
107	Value Added Course-I (Bharatiya Knowledge System- An Introduction)	

SEMESTER – II

IT-2 NEP		
Subject Code	Subject Title	Description
201	Ability Enhancement Course-II (Business Communication Skills in English)	
202	Mathematics - II	
203	Fundamentals of Programming using C - II	C Language
204	Introduction to DBMS	
205	Practical – 2	Based on 203
206	Skill Enhancement Course-II(E-Business and Cyber Laws)	
207	Value Added Course – II(Value Education in Bharatiya Knowledge System)	

SEMESTER – III

IT-3 NEP		
Subject Code	Subject Title	Description
301	Ability Enhancement Course-III(IT Business Communication – I)	
302	Fundamental of Electronics	Basic Electronics and Digital Electronics
303	Data Structure	Programming using C
304	Object Oriented Programming	C++
305	Practical – 3	Based on 303, 304
306	Skill Enhancement Course –III(Computer Network)	
307	Value Added Course – 3	

SEMESTER – IV

IT-4 NEP		
Subject Code	Subject Title	Description
401	Ability Enhancement Course-IV (IT Business Communication – II)	
402	Fundamental of Embedded System and IoT	8-bit Microcontroller (8051 core) and 32-bit Microcontroller (ARM core), Sensors, Embedded C Language.
403	C#.NET	Win Form, C#.Net Application
404	RDBMS and NoSQL Databases	Oracle SQL
405	Practical - 4	Based on 402, 403, 404
406	Skill Enhancement Course-IV (Web Development using JavaScript)	
407	Value Added Course – 4	

SEMESTER – V

Subject Code	Subject Title	Description
501	Web Development - II	PHP, MySQL, NoSQL, AngularJS
502	Relational Database Management System - II	Oracle PL/SQL
503	Mobile Application Development	Kotlin Programming Language
504	System Analysis and Design	
505	Financial Accounting and Taxation	Basic Accounting Concepts, GST
506	Practical - 10	Based on 501
507	Practical - 11	Based on 502
508	Practical - 12	Based on 503

SEMESTER – VI

Subject Code	Subject Title	Description
601	Java	Core Java with latest JavaSE
602	ASP.NET	ASP.NET
603	Operating System	
604	Cloud Computing	Basic Cloud Computing Concept
605	Practical - 13	Based on 601
606	Practical - 14	Based on 602
607	Project	

SEMESTER – VII

Subject Code	Subject Title	Description
701	Application Development using Full Stack	MongoDB, Angular, Express, NodeJS
702	Advanced .NET	.Net Core MVC, Web API, Minimal API
703	Software Engineering	Project Management, Design Patterns, Web Engineering and Software Quality Assurance
704	Data Analysis using Python	Python Programming
705	Practical - 15	Based on 701
706	Practical - 16	Based on 702, 704
707	Part Time Project 1	

SEMESTER – VIII

Subject Code	Subject Title	Description
801	Enterprise Java	Java/Jakarta EE on Distribute Architecture for business Logic And REST resources
802	Artificial Intelligence and Machine Learning	Basics of AI, Supervised & Unsupervised Machine Learning Algorithms.
803	Smart Device Computing Using iOS	Swift, Design Patterns
804	Blockchain Computing	
805	Practical - 17	Based on 801
806	Practical - 18	Based on 802 & 803
807	Part Time Project 2	

SEMESTER – IX

Subject Code	Subject Title	Description
901	Internet of Things (IOT)	Raspberry pi and Arduino H/W Platforms, Python Programming for IOT
902	Machine Learning using Python	ML Basics, Python and its ML Libraries, Models and Regression Techniques
903	Cloud Computing	AWS, Azure, Google Cloud, Micro Services, CI/CD, DevOps
904	Business Intelligence	SSIS, SSAS, SSRS, Power BI
905	Practical - 19	Based on 901 and 902
906	Practical - 20	Based on 903 and 904
907	Part Time Project 3	

SEMESTER – X

Subject Code	Subject Title	Description
1001	Project	

- Syllabus mentioned above is subject to change as per University directions.

E-Learning Initiative :



Sr. No.	Name of the Course	Enrolled Students from Semester	Course Badge
1	AWS Academy Introduction to Cloud Semester 1	M.Sc. (IT) 5 th M.Sc. (IT) 6 th M.Sc. (IT) 7 th M.Sc. (IT) 9 th M.Sc. (ICT) 3 rd	A shield-shaped badge with a black border. Inside, the AWS logo is at the top, followed by the word "ACADEMY" in a smaller font. Below that, the text "Introduction to Cloud Semester 1" is centered in a bold, sans-serif font.
2	AWS Academy Introduction to Cloud Semester 2	M.Sc. (IT) 8 th M.Sc. (IT) 9 th M.Sc. (ICT) 3 rd	A shield-shaped badge with a black border. Inside, the AWS logo is at the top, followed by the word "ACADEMY" in a smaller font. Below that, the text "Introduction to Cloud Semester 2" is centered in a bold, sans-serif font.
3	AWS Academy Machine Learning Foundation	M.Sc. (IT) 9 th M.Sc. (ICT) 3 rd	A shield-shaped badge with a black border. Inside, the AWS logo is at the top, followed by the word "ACADEMY" in a smaller font. Below that, the text "Machine Learning Foundations" is centered in a bold, sans-serif font.

Achievements

National Level Teachers Robotics Competition 2024 - Dr. Shailesh Chaudhari and Dr. Hitesh Lad from the Department of ICT secured a winning position in the Grand Finale.



Expert Lecture

Expert Lecture by Mrs. Devanshi Solanki , Mr. Divyesh from Incubation center VNSGU on “University SSIP”.



Expert Lecture

Expert Lecture by Mr. Ankesh Maradia (CEO, Xtreme Thoughts, Surat) on “Azure Data Factory”.



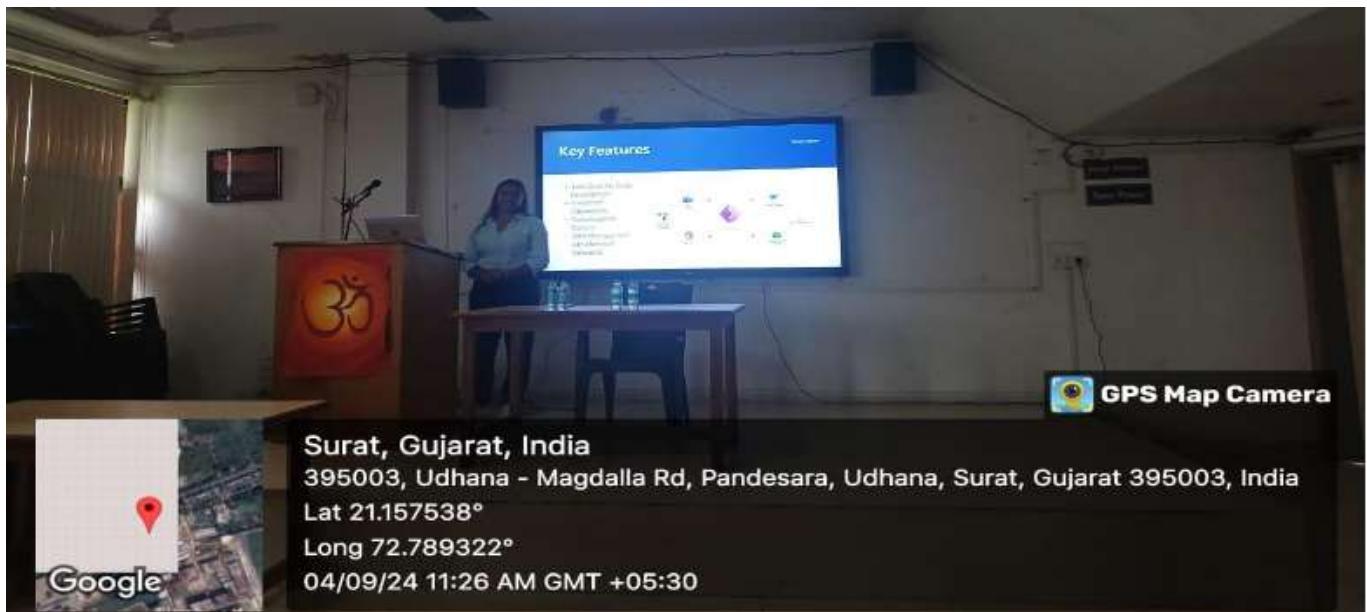
Expert Lecture

Expert Lecture by Mr. Mr. Keyur Patel(Associate Software engineer, Inkey Solutions, Surat) on “Introduction to Power BI, Tabular modelling”



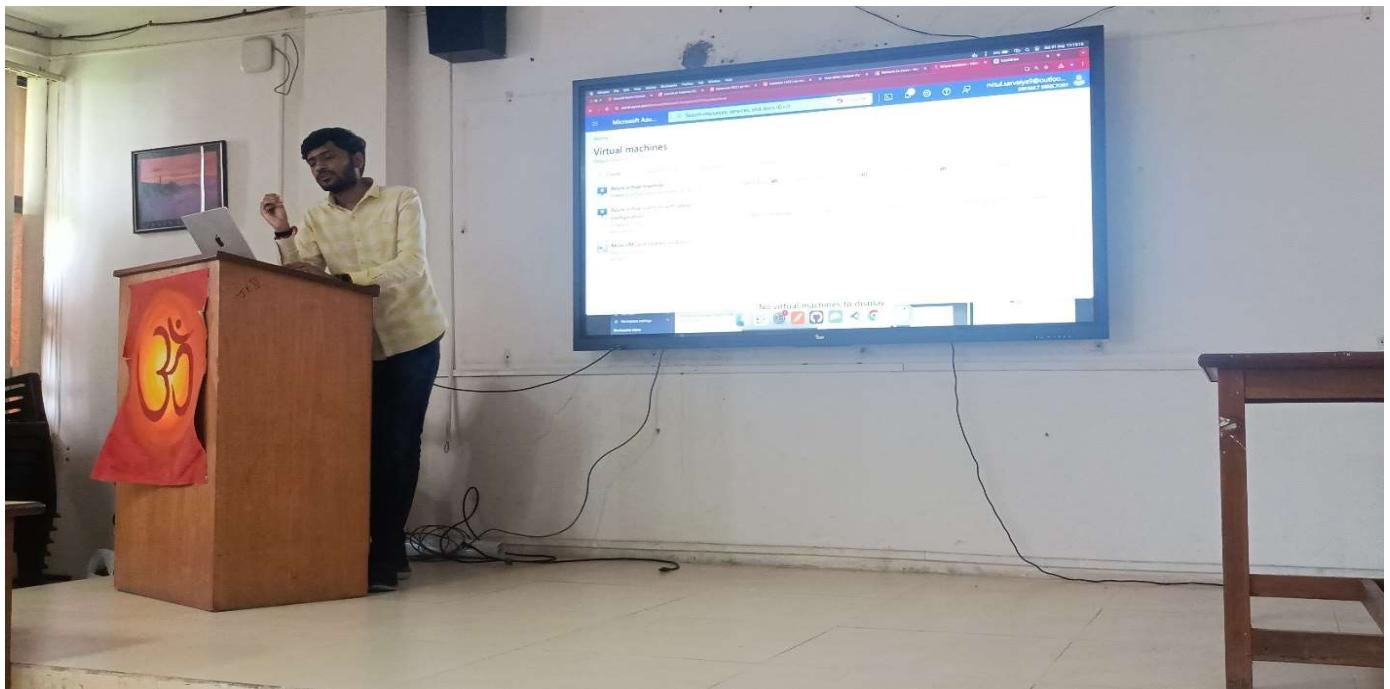
Expert Lecture

Expert Lecture by Ms. Nency Patel(Associate Software engineer, Inkey Solutions, Surat) on “Introduction to Power Platform: Power apps- Canvas and Model driven apps”.



Expert Lecture

Expert Lecture by Mr. Mitul Sarevaiya (Start-Up consultant on Generative AI) on “Azure web services”.



Workshop

Workshop by Dr. Mayur Ghadge, (Senior AI/ML engineer, Narola Infotech, Surat) on “Deep Learning”



Workshop

Workshop on “Python” by Dr. Shailesh Chaudhari & Dr.Hitesh Lad
(Assistant Professor, Dept. of ICT, Surat.)



Tree Plantation Program



Follow us:

A row of icons representing various social media platforms: Instagram, Facebook, Twitter, YouTube, and others.

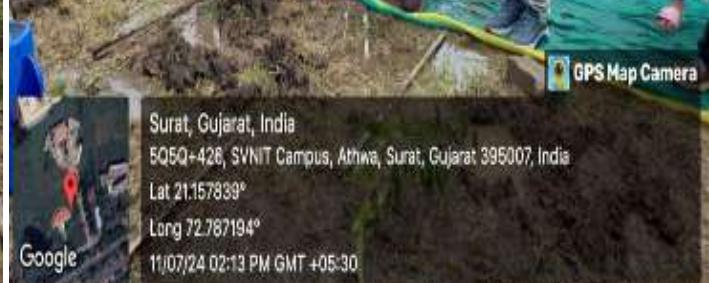
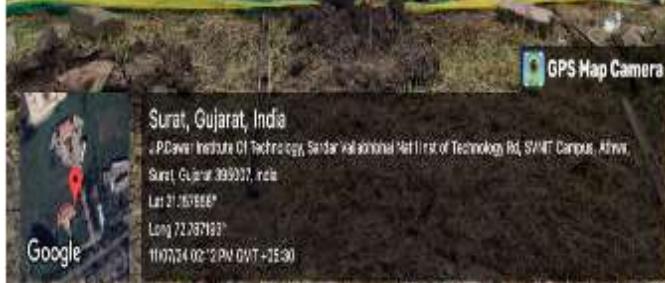
વृक्षारोपण કાર્યક્રમ

સમય: બપોરે 2 કલાકે
તારીખ: 11 જુલાઈ 2024

ડૉ. ડિલોરસિંહ ખોન, ચાયડા
કુલપતિ, વીરનાર્મદ યોદ્ધા સાંજુલ્ય

ડૉ. રમેશાંદુન ગાડવી
કુલસાયિષ, વીરનાર્મદ યોદ્ધા સાંજુલ્ય

સ્થળ: J P Dawar Institute of Information
Technology (Msc IT)



Swachhata hi Seva-Cleanliness Drive



Clubs and its Activities

Our commitment to fostering well-rounded individuals extends beyond the classroom. On 2nd March 2023, the Department of Veer Narmad South Gujarat University, J. P. Dawer Institute of Information Science & Technology, Department of I.C.T, M.Sc. (I.T.), and M. Sc. (I.C.T.) launched a vibrant club scene. Students can now explore their passions and develop valuable skills through clubs like the AI/ML & IoT Club, Indian Knowledge System Club, Cloud Club, and Personality Development Club. This initiative provides a platform for collaboration, knowledge sharing, and personal growth, ensuring a truly enriching academic experience.

1. Personality Development Club:

- To help students develop well-rounded personalities that encompass confidence, communication skills, leadership qualities, and positive self-esteem.
- The club also facilitates online exams for placement preparation and skill improvement, as well as self-learning modules for enhancing foreign language skills.
- Leadership Team: Dr.Dilber Mehta as Mentor, Poojan Gheewala as President, Diksha Jain (VP), and Harsh Virsavelya as Co-ordinator.

Activities:

- Workshops on public speaking, presentation skills, and effective communication.
- Extempore competition to test students' ability to think critically and speak confidently on a random topic.
- Personality enhancement activities to help students improve their overall persona.





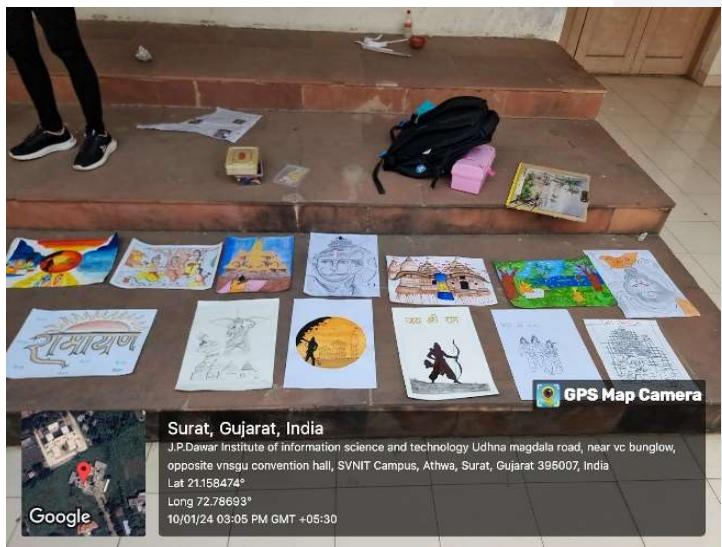
2. Indian Knowledge System Club:

To explore, understand, and appreciate the rich heritage of Indian knowledge systems, encompassing various disciplines like Ayurveda, Yoga, Sanskrit, Vedic mathematics, and philosophy. Leadership Team: Dr .Kamlendu Pandey as Mentor, Sakshi Maisuria as president, Tamanna Shah as vice-president and Jainish Shah as Co-ordinator.

Activities:

- Essay writing on The Enduring Relevance of Ramayana in Modern Times." This prompts students to analyze the timeless values and lessons embedded in the Ramayana.
- Drawing competition with theme "Scenes from the Ramayana." This allows artistic expression of various significant events from the epic.



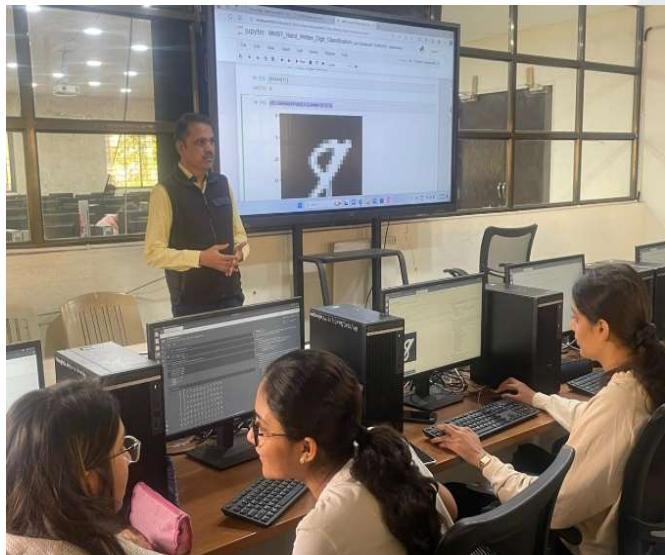
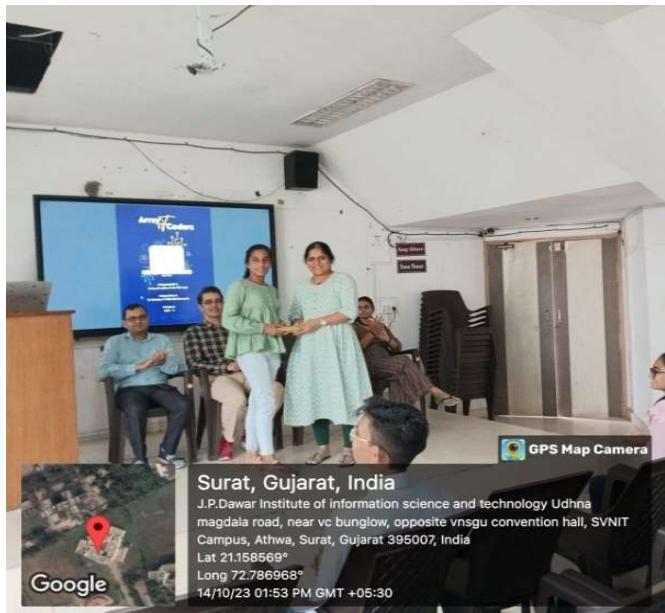


3. AI/ML & IoT Club:

- To create a platform for students interested in Artificial Intelligence (AI) / Machine Learning and Internet of Things (IoT) technologies.
- The club aims to foster learning, collaboration, and innovation in these rapidly evolving fields.
- Leadership Team: Dr. Shailesh Chaudhari and Dr.Hitesh Lad as mentors, Vivek Lakhani as president, Arin Dhimar as vice-president, and Vraj Suratwala, Riya Vesuwala, Rushil Mehta, Vasu Bhuva, Krishna Patel as co-ordinators.

Activities:

- Organize Hackathons where teams compete to develop AI or IoT solutions for specific problems.
- Bermuda Triangle event had successfully combined technical excellence with the development of essential soft skills.
- Machine Learning workshop to enhance student's practical skills and employability.
- Array of coders Knowledge training. Slogan "For the students by the students".
- Workshop and Hands-on session on AI/ML from 04th Jan 2024 to 13th Jan 2024 was conducted by Dr. Shailesh Chaudhari.



4. Cloud Club:

- To provide a platform for students interested in computer science and technology to network, collaborate, and share knowledge.
- To promote awareness and understanding of current trends and advancements in the field of cloud computing.
- Leadership Team: Dr. Dhaval Joshi as mentor, Harsh Gajjar as president, Darshan Kanani as vice-president, and Krishnaya Vesuwala, Darshan Galani, Srushti Bhatt as co-ordinator.
- Leadership Team: Dr. Dhaval Joshi as mentor, Harsh Gajjar as president, Darshan Kanani as vice-president, and Krishnaya Vesuwala, Darshan Galani, Srushti Bhatt as co-ordinator.

Activities:

- The ICT Project Demonstration event showcased innovation and collaboration among students and faculty, fostering knowledge-sharing and creativity. It exemplified the department's commitment to nurturing talent and a collaborative environment.



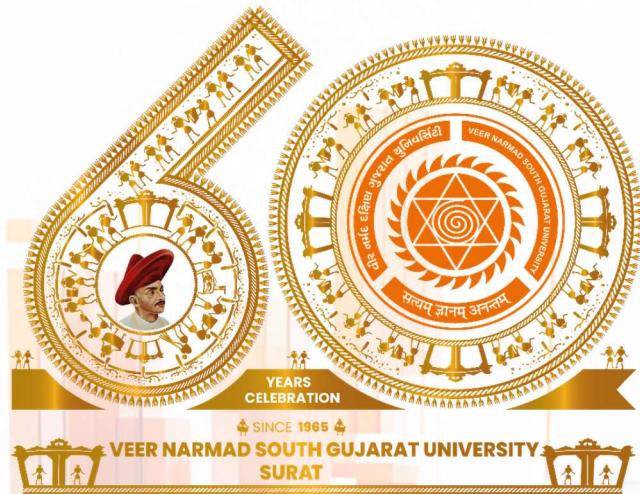
Alumni Entrepreneurs Wall, DICT

Alumni Entrepreneurs Wall

 Company: Ashvi Consulting Services Name: Ganpat Dhameliya Batch: M.Sc. ITI Batch 2005 Email: info@ashviservices.com Website: www.ashviservices.com	 Company: INKEY IT Solutions Pvt. Ltd. Name: Ankit Shah Batch: B.Sc. IT & M.Sc. ITI Batch 2005 Email: ankit@inkeyit.com Website: www.inkeyit.com	 Company: Logowind Name: Nachiket Patel Batch: M.Sc. ITCI Batch 2007 Email: nachiket@logowind.com Website: www.logowind.com	 Company: ACCRETE INFOTECH Name: Roshan Desai Batch: B.Sc. ITI Batch 2014 Email: roshan@accreteinfotech.com Website: www.accreteinfotech.com	 Company: Innovative Iteration Software Solution Name: Pratik Gujarati Batch: M.Sc. ITI Batch 2014 Email: pratik@innovativeiteration.com Website: www.innovativeiteration.com	 Company: CoreScripts Technologies LLP Name: Jatin Prajapati Batch: M.Sc. ITI Batch 2010 Email: jatin@corescripts.com Website: www.corescripts.com	 Company: Quad Softtech Name: Milap Kankotiya Batch: M.Sc. ITI Batch 2008 Email: milap@quadsofttech.com Website: www.quadsofttech.com	 Company: HEY concepts Name: Punit Gajera Batch: M.Sc. ITI Batch 2008 Email: punit@heyconcepts.com Website: www.heyconcepts.com	 Company: Dataio Name: Samarth Mehta Batch: M.Sc. ITI Batch 2015 Email: samarth@dataio.com Website: www.dataio.com	 Company: IT FUTURZ Name: Arpit Shah Batch: M.Sc. ITI Batch 2007 Email: arpit@itfuturz.com Website: www.itfuturz.com	 Company: LINTEL Technologies Pvt. Ltd. Name: Hinal Prajapati Batch: B.Sc. ITI Batch 2003 Email: hinal@linteltech.com Website: www.linteltech.com	 Company: IQINIK SOFTWARE PVT. LTD. Name: Hitesh Thakkar Batch: M.Sc. ITI Batch 2008 Email: hitesh@iqinik.com Website: www.iqinik.com	 Company: ZIPGRID Name: Jaydip Popat Batch: B.Sc. ITI Batch 2003 Email: jaydip.popat@gmail.com Website: www.zipgrid.com
 Company: Wokontech IT Solution Name: Jemish Gopani Batch: M.Sc. ITCI Batch 2015 Email: jemishgopani99@gmail.com Website: www.wokontech.com	 Company: ICED INFOTECH Name: Niral Shah Batch: M.Sc. ITI Batch 2008 Email: niralshah99@gmail.com Website: www.icedinfotech.com	 Company: WebAshlar Name: Anand Agrawal Batch: M.Sc. ITI Batch 2008 Email: anand.agrawal@webashlar.com Website: www.webashlar.com	 Company: XTREME THOUGHTS SoftTech Name: Ankesh Maradi Batch: M.Sc. ITI Batch 2005 Email: ankeshmaradi99@gmail.com Website: www.xtremethoughts.com	 Company: GVM Technologies LLP Name: Anvesh Prajapati Batch: M.Sc. ITI Batch 2012 Email: anvesh.prajapati@gvmtech.com Website: www.gvmttech.com	 Company: GENERATION NEXT Name: Arjun Bhatt Batch: M.Sc. ITI Batch 2008 Email: arjun.bhatt@gennext.com Website: www.gennext.com	 Company: SOFTNDESIS Name: Chirag Lukhi Batch: M.Sc. ITI Batch 2012 Email: chirag.lukhi@softndesis.com Website: www.softndesis.com	 Company: ENGRASS INFOTECH Name: Keyur Limbachiyा Bipin Jain Batch: M.Sc. ITI Batch 2010 Email: limbachiyakeyur@gmail.com Website: www.engrassinfotech.com	 Company: PURE ITES Limited Name: Nilesh Paragi Batch: M.Sc. ITI Batch 2003 Email: nileshparagi99@gmail.com Website: www.pureites.com	 Company: PSK TECHNOLOGY Name: Kirtikumar Avaiya Batch: M.Sc. ITCI Batch 2012 Email: kirtikumar.avaiya@gmail.com Website: www.psktechnology.com	 Company: SAHAJANAND INFOTECH Name: Hardik Kavadiya Batch: M.Sc. ITI Batch 2018 Email: hardik.kavadiya99@gmail.com Website: www.sahajanandinfotech.com	 Company: NirmanLab Name: Milan Savaliya Batch: M.Sc. ITI Batch 2016 Email: mlsavaliya99@gmail.com Website: www.nirmanlab.com	

Alumni Entrepreneurs Wall

 Company: Softpulse Infotech Name: Rahul Bhise Sandip Harkhani Batch: M.Sc. ITI Batch 2010 Email: rahulbhise99@gmail.com Website: www.softpulseinfotech.com	 Company: DAVS Name: Rekhank Solanki Batch: M.Sc. ITI Batch 2010 Email: rekhank.solanki99@gmail.com Website: www.davssoft.com	 Company: Forum Marfatia Digital Marketing Training Name: Forum Marfatia Batch: M.Sc. ITCI Batch 2013 Email: forummarfatia99@gmail.com Website: www.forummarfatia.com	 Company: Winter Infotech Name: Romit Gabani Batch: M.Sc. ITCI Batch 2011 Email: romit.gabani99@gmail.com Website: www.winterinfotech.com	 Company: Inventam Name: Harin Desai Ishani Desai Batch: M.Sc. ITI Batch 2015 Email: harin.desai99@gmail.com Website: www.inventam.com	 Company: WebOsmotic Name: Upal Jain Batch: M.Sc. ITI Batch 2006 Email: upal.jain99@gmail.com Website: www.webosmotic.com	 Company: Omtec Web Name: Tarang Patel Batch: M.Sc. ITCI Batch 2007 Email: tarang.patel99@gmail.com Website: www.omtecweb.com	 Company: Jaiminini Software Name: Patel Nilam Batch: M.Sc. ITI Batch 2006 Email: patel.nilam99@gmail.com Website: www.jaiminini.com	 Company: Metanoia Infotech Name: Nehal Patel Batch: M.Sc. ITI Batch 2018 Email: nehal.patel99@gmail.com Website: www.metanoiainfotech.com	 Company: StackApp Infotech Name: Dodiya Nihar Batch: M.Sc. ITI Batch 2017 Email: dodiyanihar99@gmail.com Website: www.stackappinfotech.com	 Company: InfoWeb Solution Name: Sunny Chelli Batch: M.Sc. ITCI Batch 2008 Email: sunny.chelli99@gmail.com Website: www.infoweb-solution.com	 Company: HANDS TOGETHER Tech Name: Sagar Bhatt Batch: M.Sc. ITCI Batch 2011 Email: sagar.bhatt99@gmail.com Website: www.hands-together.com	 Company: PAR EXCELLENCE IT Solutions Name: Jitesh Prajapati Batch: M.Sc. ITCI Batch 2007 Email: jitesh.prajapati99@gmail.com Website: www.par-excellence.com
 Company: i-Pangram Digital Services LLP Name: Jaykishan Vansadawala Batch: M.Sc. ITI Batch 2006 Email: jaykishan.vansadawala99@gmail.com Website: www.ipangram.com	 Company: Design The Dots Name: Zebin Raja Batch: M.Sc. ITI Batch 2010 Email: zebin.raja99@gmail.com Website: www.designthedots.com	 Company: GOUP TECHNOLOGIES Name: Sandip Shirasula Puran Topiwala Batch: M.Sc. ITI Batch 2011 Email: sandip.shirasula99@gmail.com Website: www.gouptechnologies.com	 Company: SolwinInfotech LLP Name: Sanjay Dabholiya Batch: M.Sc. ITCI Batch 2007 Email: sdabholiya99@gmail.com Website: www.solwininfotech.com	 Company: V2WEB Solutions Name: Hastimal Shah Batch: M.Sc. ITI Batch 2008 Email: hastimal.shah99@gmail.com Website: www.v2websolutions.com	 Company: GENISYS Name: Siddharth Sarafle Ashish Rana Jignesh Pandas Batch: M.Sc. ITI Batch 2016 Email: siddharth.sarafle99@gmail.com Website: www.genisys.com	 Company: BHARATECH LABS Name: Moiz Palitanawala Batch: B.Sc. ITI Batch 2014 Email: moiz.palitanawala99@gmail.com Website: www.bharatech-labs.com	 Company: Webby Infotech Name: Kuldeep Shah Batch: M.Sc. ITI Batch 2008 Email: kuldeep.shah99@gmail.com Website: www.webbyinfotech.com	 Company: LOGOTECH BARCODE Name: Rajiv Batra Batch: M.Sc. ITCI Batch 2007 Email: rajiv.batra99@gmail.com Website: www.logotechbarcode.com	 Company: Beyond Byte Solution Name: Piyush Saraf Batch: M.Sc. ITI Batch 2008 Email: piyush.saraf99@gmail.com Website: www.beyondbytesolution.com	 Company: DigiEn Infosoft LLP Name: Urvi Adhvaryu Batch: M.Sc. ITI Batch 2010 Email: urvi.adhvaryu99@gmail.com Website: www.digieninfosoft.com	 Company: APP GAMBIT Name: Dhaval Nagar Batch: M.Sc. ITI Batch 2006 Email: dhaval.nagar99@gmail.com Website: www.appgambit.com	



**J. P. Dawer Institute of Information Science & Technology,
Department of Information and Communication Technology,
Veer Narmad South Gujarat University,
Opp. VNSGU Convention Hall, Near V.C. Bungalow,
Udhna Magdalla Road,
Surat - 395 007, Gujarat, [India]**

Email:

**itoffice@vnsgu.ac.in [For M.Sc. (I.T.) Course],
ictoffice@vnsgu.ac.in [For M.Sc. (I.C.T.) Course]**

Mobile :

95123 58030, 95123 58031

Website:

www.vnsgu.ac.in