

GOVERNMENT POLYTECHNIC JAMANGAR



DEPARTMENT OF COMPUTER ENGINEERING



EDITOR
MS. PAYAL V. PATEL

STUDENT'S TEAM
VAIBHAV MAKWANA
(COMPUTER ENGINEERING SEMESTER 4TH)

TEACHING ACTIVITIES
AT COMPUTER ENGG.
DEPARTMENT

VISION, MISSION
PEOS, PSOS

DAY CELEBRATION IN
COMPUTER ENGG.
DEPARTMENT

PRINCIPAL'S MESSAGE



Shree. A. M. PATEL

It has always been our belief that every student has an unending pool of talent that needs to be fostered. A proper care and guidance will help the students to develop right attitude, values and practices that enable each individual to excel in future.

The main focus of our Institution is to empower students with sound knowledge, wisdom, passion for innovation and latest know-how in cutting-edge technologies to experience and face the challenges of Industry 4.0 in a highly networked global perspective.

Computers have become an inherent part of our routine life. No department or business can be thought of being fully functional and automated without the use of computers. Our department provides a platform for the students to enhance their employability skill which helps us in achieving our objective of preparing students for a successful career.

MESSAGE FROM HOD

It is a pleasure to head the Department of Computer Engineering in Government Polytechnic Jamnagar. We are a team of experienced and motivated faculty members who are in process of tuning the young engineers through innovative teaching-learning process. Highly motivated students and researchers are our strong team members too, who are always eager to grab the opportunity to upgrade their skills.



Shree. C. G. Ajudiya

MISSION OF THE DEPARTMENT

M1: To inculcate into students practical skills.

M2: To facilitate students with suitable environment to develop their logical and analytical skills

M3: To make available modern technology and related tools for hands-on experience.

M4: To inculcate interpersonal skills and ethical values into the students so that they can become successful professionals.

VISION OF DEPARTMENT

TO BECOME A CENTRE OF EXCELLENCE AND GENERATE COMPETENT PROFESSIONALS IN THE FIELD OF COMPUTER ENGINEERING FOR THE BETTERMENT OF THE NATION AND SOCIETY AT LARGE.

PSOs

PSO 1 : ABLE TO DEVELOP COMPUTER SOFTWARE SUCH AS WEB APPLICATIONS AND DESKTOP APPLICATIONS USING APPROPRIATE TOOLS.

PEOs

PEO1 : Pursue higher education in engineering to enhance knowledge and skills gained in diploma.

PEO2 : Develop career as professional in software industry, networking, database administration etc.

PEO3 : Develop innovative and entrepreneurial attitude in order to start an enterprise.

Tree Plantation

Tree Plantation Drive by Government Polytechnic Jamnagar on July 18, 2024, Government Polytechnic Jamnagar organized a Tree Plantation Drive, reinforcing its commitment to environmental sustainability and ecological balance. The event witnessed enthusiastic participation from students, faculty, and staff, who collectively planted a variety of saplings across the campus. The drive aimed to promote awareness about the importance of green cover and inspire the community to take proactive steps toward conserving nature. By emphasizing sustainable practices, the initiative reflects the institution's dedication to creating a healthier and greener environment for future generations.



Disaster Management Seminar and Training

The NSS Unit of Government Polytechnic Jamnagar successfully organized a two-day seminar and training program on Disaster Management on July 31 and August 1, 2024. The event aimed to equip students and staff with essential knowledge and practical skills to effectively respond to emergencies and natural calamities. Expert speakers and trainers conducted interactive sessions, demonstrations, and hands-on activities to enhance participants' understanding of disaster preparedness, mitigation, and recovery. This initiative reflects the institution's commitment to building resilience and fostering a culture of safety within the community.



Har Ghar Trianga

On August 12, 2024, Government Polytechnic Jamnagar proudly participated in the Har Ghar Tiranga campaign, an initiative to foster patriotism and unity among citizens. Students, faculty and staff came together to hoist the national flag at their homes and the campus, symbolizing collective pride and respect for the tricolor. The event included speeches, cultural programs and activities highlighting the significance of the Indian flag and its role in uniting the nation. This initiative showcased the institution's dedication to instilling a sense of national pride and belonging in its community.



Independence Day Celebration-Competitions

Government Polytechnic Jamnagar marked Independence Day with vibrant celebrations on August 13 and 14, 2024. The events featured a Singing Competition showcasing patriotic songs and a Rangoli Competition with creative designs reflecting India's heritage. The activities brought students together in a spirit of unity and national pride, making the occasion memorable.



Independence Day Celebration-Competitions



Government Polytechnic Jamnagar

Rangoli competition

Date : 13-08-2024



13-08-2024
3.00 PM to 4.30 PM
Reporting time : 2.30 PM
At. Seminar Hall



Guideline for Rangoli competition

- રંગોળી માટેની તમામ સામગ્રી ઘરેથી લઈને આવવાની રહેશે.
- રંગોળી માટેની થીમ : 15 ઓગસ્ટ ભારતીય સ્વતંત્રતા દિવસ.
- રંગોળી માટેનો સમય 1 કલાક અને 30 મિનિટનો રહેશે.
- રંગોળી માટે એક ટીમની અંદર ત્રણ વિદ્યાર્થીઓ નું ગ્રુપ બનાવી શકશે.

Coordinator:

Shri S N Colarwala
Shri H H Shah
Shri N V Khanpara



Government Polytechnic Jamnagar

Singing competition

Date : 14-08-2024



14-08-2024
4.00 PM to 5.00 PM
Reporting time: 3.30 PM
At. Seminar Hall



Singing competition

- સિંગિંગ કોમ્પિટિશન માટેની થીમ દેશભક્તિ ના ગીતો ઉપરની રહેશે.
- સિંગિંગ કોમ્પિટિશન દરમિયાન ગીતો ગાવાની સાથે બેગાઉન્ડમાં "karaoke" મ્યુઝિક પણ રાખી શકાય છે.

Coordinator:

Shri S P Gori
Shri K M Shaikh



Independence Day Celebration

Government Polytechnic Jamnagar celebrated Independence Day on August 15, 2024, with great enthusiasm. The celebration began with the hosting of the national flag by the college principal, along with the department heads, faculties and students. The ceremony was filled with patriotic spirit and the principal's speech focused on the importance of freedom and the role of citizens in building the nation. The event helped strengthen unity and pride among all those present, making it a memorable day for everyone.



National Space Day Celebration-Elocution Competition

GOVERNMENT POLYTECHNIC JAMNAGAR CELEBRATED NATIONAL SPACE DAY WITH AN ELOCUTION COMPETITION ON 23-08-2024. THE EVENT SAW ENTHUSIASTIC PARTICIPATION FROM STUDENTS WHO SPOKE ON VARIOUS TOPICS RELATED TO SPACE EXPLORATION, TECHNOLOGY, AND THE IMPORTANCE OF SPACE RESEARCH. THE COMPETITION PROVIDED A PLATFORM FOR STUDENTS TO SHOWCASE THEIR KNOWLEDGE AND EXPRESS THEIR THOUGHTS ON THE ADVANCEMENTS IN SPACE SCIENCE. THE EVENT HELPED RAISE AWARENESS ABOUT SPACE EXPLORATION AND ITS SIGNIFICANCE IN SHAPING THE FUTURE OF TECHNOLOGY AND INNOVATION.



IBM Skills Build Platform

ON SEPTEMBER 3, 2024, THE COMPUTER DEPARTMENT OF GOVERNMENT POLYTECHNIC JAMNAGAR ORGANIZED TWO SESSIONS ON THE IBM SKILLSBUILD PLATFORM. THE SESSIONS FOCUSED ON ENHANCING STUDENTS' SKILLS IN AREAS LIKE CLOUD COMPUTING, ARTIFICIAL INTELLIGENCE AND DATA ANALYSIS, PROVIDING VALUABLE INSIGHTS AND HANDS-ON LEARNING. THIS INITIATIVE AIMED TO EQUIP STUDENTS WITH INDUSTRY-RELEVANT SKILLS AND PREPARE THEM FOR FUTURE CAREERS IN TECHNOLOGY.



Teacher's Day Celebration 2024

THE COMPUTER DEPARTMENT OF GOVERNMENT POLYTECHNIC JAMNAGAR CELEBRATED TEACHER'S DAY ON SEPTEMBER 5, 2024, TO HONOR THE DEDICATION AND HARD WORK OF FACULTY MEMBERS. STUDENTS ORGANIZED VARIOUS ACTIVITIES, INCLUDING SPEECHES AND PERFORMANCES, TO EXPRESS THEIR GRATITUDE AND APPRECIATION FOR THEIR TEACHERS' GUIDANCE AND SUPPORT. THE CELEBRATION HIGHLIGHTED THE IMPORTANT ROLE OF EDUCATORS IN SHAPING STUDENTS' LIVES AND FOSTERING A SPIRIT OF LEARNING AND GROWTH. IT WAS A DAY FILLED WITH RESPECT, JOY AND ADMIRATION FOR THE TEACHERS.







Semicon India-2024

GOVERNMENT POLYTECHNIC JAMNAGAR PARTICIPATED IN A LIVE VIDEO CONFERENCE WITH THE HON'BLE PRIME MINISTER DURING THE SEMICON INDIA 2024 EVENT. THE SESSION PROVIDED AN INSIGHTFUL OVERVIEW OF INDIA'S ADVANCEMENTS AND OPPORTUNITIES IN SEMICONDUCTOR TECHNOLOGY. STUDENTS AND FACULTY HAD THE PRIVILEGE TO HEAR THE PRIME MINISTER'S VISION FOR MAKING INDIA A GLOBAL HUB FOR SEMICONDUCTOR MANUFACTURING AND INNOVATION. THE EVENT INSPIRED PARTICIPANTS TO EXPLORE EMERGING OPPORTUNITIES IN THIS CRITICAL SECTOR, EMPHASIZING ITS IMPORTANCE FOR TECHNOLOGICAL SELF-RELIANCE AND ECONOMIC GROWTH.



Self-Defense Training for Girl Students

THE WOMEN'S DEVELOPMENT CELL (WDC) OF GOVERNMENT POLYTECHNIC JAMNAGAR ORGANIZED A THREE-DAY SELF-DEFENSE TRAINING PROGRAM FOR GIRL STUDENTS FROM SEPTEMBER 23, 2024. A TOTAL OF 80 STUDENTS ENTHUSIASTICALLY PARTICIPATED IN THE TRAINING, WHICH AIMED TO EMPOWER THEM WITH ESSENTIAL SELF-DEFENSE TECHNIQUES AND BOOST THEIR CONFIDENCE. THE PROGRAM FOCUSED ON PRACTICAL SKILLS TO ENSURE SAFETY IN CHALLENGING SITUATIONS, FOSTERING A SENSE OF STRENGTH AND INDEPENDENCE AMONG THE PARTICIPANTS.



Self-Defense Training for Girl Students



Expert Lecture on Cybercrime and POCSO ACT



THE WOMEN'S DEVELOPMENT CELL (WDC) OF GOVERNMENT POLYTECHNIC JAMNAGAR ORGANIZED AN EXPERT LECTURE ON CYBERCRIME AND THE POCSO ACT ON SEPTEMBER 25, 2024, TO RAISE AWARENESS AMONG STUDENTS ABOUT ONLINE SAFETY AND CHILD PROTECTION LAWS. THE SESSION FOCUSED ON CYBER THREATS, DIGITAL SECURITY, AND LEGAL PROVISIONS UNDER THE POCSO ACT. THE EXPERT SPEAKER PROVIDED VALUABLE INSIGHTS INTO RECOGNIZING AND PREVENTING CYBERCRIMES, ENSURING RESPONSIBLE DIGITAL BEHAVIOR, AND UNDERSTANDING LEGAL RIGHTS. THE SESSION AIMED TO EMPOWER STUDENTS WITH KNOWLEDGE TO STAY SAFE IN THE DIGITAL WORLD AND PROMOTE A SECURE ONLINE ENVIRONMENT.

Swachhata Abhiyan 4.0 and 'Ek Ped Maa Ke Naam' Program

ON SEPTEMBER 26, 2024, GOVERNMENT POLYTECHNIC JAMNAGAR ACTIVELY PARTICIPATED IN SWACHHATA ABHIYAN 4.0, ALL NSS FACULTY MEMBERS, OTHER FACULTIES AND STUDENTS HAVE PARTICIPATED IN THE FOLLOWING EVENT. A DISTRICT-LEVEL CLEANLINESS DRIVE IN COLLABORATION WITH JAMNAGAR MUNICIPAL CORPORATION (JMC), FOCUSING ON PUBLIC SPACES LIKE THE INCOME TAX BUILDING AND GREEN BELT AREAS. ON THE SAME DAY, THE INSTITUTE ALSO TOOK PART IN THE 'EK PED MAA KE NAAM' PROGRAM, A DISTRICT-LEVEL INITIATIVE ATTENDED BY THE MAYOR, COMMISSIONER AND OTHER DIGNITARIES. OVER 150 NSS VOLUNTEERS JOINED THESE EFFORTS, PROMOTING CLEANLINESS, ENVIRONMENTAL CONSERVATION, AND COMMUNITY INVOLVEMENT.



Coastal Drive for Swachhata Abhiyan

ON OCTOBER 1, 2024, THE NSS UNIT OF GOVERNMENT POLYTECHNIC JAMNAGAR ORGANIZED A COASTAL DRIVE FOR SWACHHATA ABHIYAN AT BALACHADI BEACH, IN COLLABORATION WITH THE FOREST DEPARTMENT AND COAST GUARD. THE EVENT AIMED TO CLEAN THE BEACH AND RAISE AWARENESS ABOUT THE IMPORTANCE OF PRESERVING COASTAL ECOSYSTEMS. FACULTIES, STUDENTS AND VOLUNTEERS ACTIVELY PARTICIPATED IN THE CLEANUP DRIVE, CONTRIBUTING TO MAINTAINING A CLEAN AND HEALTHY ENVIRONMENT WHILE FOSTERING A SENSE OF RESPONSIBILITY TOWARD NATURE CONSERVATION. 22 STUDENTS WERE SELECTED FROM COMPUTER DEPARTMENT IN THE FOLLOWING EVENT.



Coastal Drive for Swachhata Abhiyan



Vanya Prani Saptah Ujavni

ON OCTOBER 3, 2024, THE NSS UNIT OF GOVERNMENT POLYTECHNIC JAMNAGAR CELEBRATED VANYA PRANI SAPTAH UJAVNI (WILDLIFE WEEK) WITH A SERIES OF ACTIVITIES AIMED AT RAISING AWARENESS ABOUT WILDLIFE CONSERVATION. IN COLLABORATION WITH ENVIRONMENTAL EXPERTS, THE EVENT INCLUDED GUEST LECTURES, AWARENESS PROGRAM ETC. ALL STUDENTS ACTIVELY PARTICIPATED, FOSTERING A SENSE OF RESPONSIBILITY TOWARD PROTECTING WILDLIFE AND THEIR HABITATS. THE EVENT SUCCESSFULLY INSPIRED THE CAMPUS COMMUNITY TO TAKE ACTION IN PRESERVING NATURE.



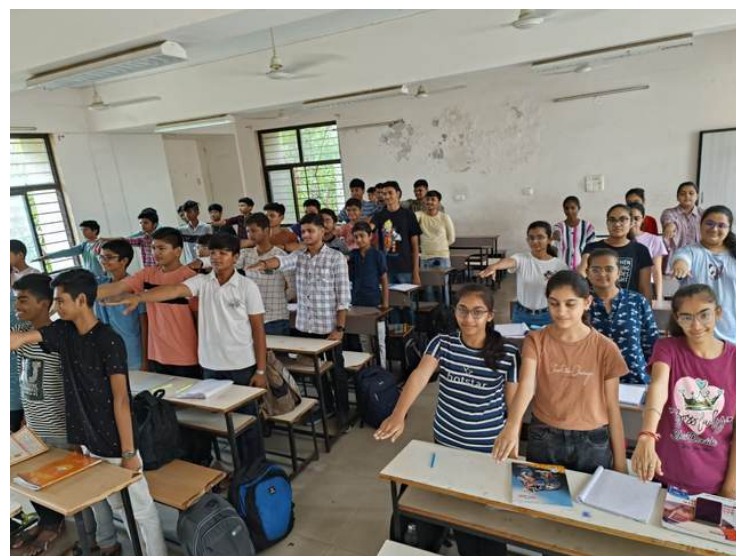
Navratri Celebration

ON OCTOBER 9, 2024, NAVRATRI WAS CELEBRATED WITH GREAT ENTHUSIASM AT THE MP SHAH COLLEGE GROUND. THE EVENT FEATURED TRADITIONAL DANCE PERFORMANCES, INCLUDING GARBA AND DANDIYA, CREATING A VIBRANT ATMOSPHERE FILLED WITH ENERGY AND JOY. STUDENTS, FACULTIES AND OTHER MEMBERS CAME TOGETHER TO CELEBRATE THE FESTIVAL, PAYING TRIBUTE TO THE DIVINE FEMININE ENERGY. THE EVENT HIGHLIGHTED THE SPIRIT OF UNITY, CULTURE AND TRADITION, WITH PARTICIPANTS ENJOYING THE CULTURAL FESTIVITIES IN FULL SWING.



Viksit Bharat Sapath Vidhi

ON OCTOBER 9-10, 2024, GOVERNMENT POLYTECHNIC, JAMNAGAR ORGANIZED VIKSIT BHARAT SAPATH VIDHI WITH GREAT ENTHUSIASM. STUDENTS AND FACULTIES CAME TOGETHER TO PLEDGE THEIR COMMITMENT TO INDIA'S PROGRESS. THE EVENT FEATURED INSPIRING SPEECHES AND FOSTERING A SENSE OF UNITY AND RESPONSIBILITY. ALL PARTICIPANTS TOOK AN OATH TO CONTRIBUTE TO THE NATION'S DEVELOPMENT, MAKING THE OCCASION BOTH MEANINGFUL AND MEMORABLE.



Menstrual Awareness & Kit Distribution

ON NOVEMBER 22, 2024, GOVERNMENT POLYTECHNIC, JAMNAGAR ORGANIZED A MENSTRUAL AWARENESS & KIT DISTRIBUTION PROGRAM TO PROMOTE HEALTH AND HYGIENE AMONG STUDENTS. THE SESSION INCLUDED INFORMATIVE DISCUSSIONS ON MENSTRUAL HEALTH, BREAKING TABOOS AND ENCOURAGING OPEN CONVERSATIONS. SANITARY KITS WERE DISTRIBUTED TO RAISE AWARENESS ABOUT PROPER MENSTRUAL CARE. THE INITIATIVE AIMED TO EDUCATE AND EMPOWER STUDENTS, FOSTERING A SUPPORTIVE AND INFORMED COMMUNITY.



Digital Arrest Scams



IN TODAY'S WORLD, MOST OF US RELY ON TECHNOLOGY FOR COMMUNICATION, BANKING, SHOPPING, AND WORK. WHILE IT MAKES LIFE EASIER, IT ALSO OPENS THE DOOR TO SCAMS. ONE OF THE GROWING CYBER THREATS IS DIGITAL ARREST SCAMS—A TYPE OF FRAUD WHERE CRIMINALS TRICK PEOPLE INTO BELIEVING THEY ARE UNDER INVESTIGATION OR ABOUT TO BE ARRESTED FOR BREAKING ONLINE LAWS. THESE SCAMS PREY ON FEAR AND CONFUSION, TARGETING BOTH TECH-SAVVY INDIVIDUALS AND THOSE LESS FAMILIAR WITH THE INTERNET. LET'S DIVE INTO HOW THEY WORK AND HOW TO STAY SAFE.

WHAT ARE DIGITAL ARREST SCAMS?

A DIGITAL ARREST SCAM HAPPENS WHEN SOMEONE RECEIVES A FAKE MESSAGE, CALL OR EMAIL CLAIMING THEY'VE COMMITTED A DIGITAL CRIME. THE SCAMMER PRETENDS TO BE A GOVERNMENT OFFICER, LAW ENFORCEMENT OR A CYBERSECURITY AGENT AND DEMANDS MONEY, PERSONAL INFORMATION OR ACCESS TO DEVICES TO "RESOLVE" THE ISSUE.

FOR EXAMPLE:

YOU MIGHT GET AN EMAIL SAYING YOUR IP ADDRESS WAS INVOLVED IN ILLEGAL ACTIVITIES LIKE HACKING OR DOWNLOADING PIRATED CONTENT.

YOU MIGHT GET A CALL FROM SOMEONE PRETENDING TO BE A POLICE OFFICER, WARNING YOU THAT AN "ARREST WARRANT" HAS BEEN ISSUED IN YOUR NAME.

THESE SCAMS OFTEN USE TECHNICAL TERMS TO SOUND CONVINCING, EVEN THOUGH THE CLAIMS ARE COMPLETELY FAKE.

HOW DO THESE SCAMS WORK?

FAKE EMAILS OR MESSAGES:

SCAMMERS SEND EMAILS WITH OFFICIAL-LOOKING LOGOS, CLAIMING THEY ARE FROM LAW ENFORCEMENT, A COURT, OR A CYBERSECURITY AGENCY.

THE MESSAGE MAY HAVE A SENSE OF URGENCY LIKE:

"YOU HAVE 24 HOURS TO RESPOND."

"FAILURE TO PAY WILL RESULT IN YOUR ARREST."

SCARE TACTICS OVER CALLS

THE SCAMMER PRETENDS TO BE A POLICE OFFICER OR GOVERNMENT AGENT, CLAIMING YOUR DEVICE HAS BEEN TRACKED FOR ILLEGAL ACTIVITIES. THEY MIGHT SAY, “TO AVOID ARREST, PAY A FINE IMMEDIATELY.”

WHY DO PEOPLE FALL FOR THESE SCAMS?

- FEAR: THE THOUGHT OF GETTING ARRESTED SCARES PEOPLE INTO ACTING QUICKLY.**
- LACK OF AWARENESS: MANY PEOPLE DON'T KNOW HOW LAW ENFORCEMENT WORKS OR WHAT DIGITAL LAWS APPLY.**
- RUST IN AUTHORITY: SCAMMERS EXPLOIT THE TRUST PEOPLE HAVE IN GOVERNMENT AND POLICE.**

RECENT HIGH-PROFILE CASES

IN A RECENT INCIDENT, A PROMINENT DOCTOR BASED IN NOIDA, WAS TARGETED BY SCAMMERS POSING AS OFFICIALS FROM THE TELECOM REGULATORY AUTHORITY OF INDIA (TRAI), AS PER REPORTS. THE FRAUDSTERS ACCUSED HER OF USING HER PHONE NUMBER TO DISTRIBUTE ILLEGAL CONTENT. UNDER DURESS, DOCTOR TRANSFERRED RS 60 LAKH BEFORE REALISING THE SCAM.

IN A SIMILAR CASE INVOLVED A 72-YEAR-OLD WOMAN FROM SOUTH DELHI, WHO WAS DECEIVED BY SCAMMERS IMPERSONATING POLICE PERSONNEL. THE FRAUDSTERS EXTORTED RS 83 LAKH FROM HER BY FABRICATING A LEGAL ISSUE REQUIRING IMMEDIATE PAYMENT.

TO AVOID FALLING VICTIM TO THE “DIGITAL ARREST” SCAM:

- VERIFY CALLER IDENTITY: ALWAYS CONFIRM THE IDENTITY OF INDIVIDUALS CLAIMING TO BE FROM OFFICIAL AGENCIES**
- AVOID IMMEDIATE PAYMENTS: DO NOT TRANSFER MONEY BASED ON UNSOLICITED CALLS OR VIDEO REQUESTS.**
- SEEK HELP: CONTACT LOCAL AUTHORITIES OR TRUSTED INDIVIDUALS IF YOU RECEIVE SUSPICIOUS COMMUNICATIONS**
- PROMPT REPORTING TO CYBERCRIME AUTHORITIES IS ESSENTIAL TO PREVENT FURTHER VICTIMISATION AND ASSIST IN LAW ENFORCEMENT EFFORTS**
- REPORT SUSPICIOUS CALLS TO THE CYBERCRIME HELPLINE NUMBER 1930 OR THROUGH THE WEBSITE WWW.CYBERCRIME.GOV.IN.**

**EDITED BY
-VAIBHAV MAKWANA
SEM-4
COMPUTER DEPARTMENT**



CONTACT INFORMATION

**COMPUTER ENGINEERING DEPARTMENT
GOVERNMENT POLYTECHNIC, JAMNAGAR
VALSURA ROAD, PO. BEDI, JAMNAGAR
DIST: JAMNAGAR - 361009
STATE: GUJARAT, INDIA**

WEBSITE:

1. <http://www.gpjm.cteguj.in/programs/detail/205>
2. <https://gpjcomp.wordpress.com/>

EDITOR

It is my privilege and honor as the Editor-in-chief for the newsletter of Computer Department at Government Polytechnic, Jamnagar.

The main agenda of the newsletter is to provide insights of department like academics and other activities happening at department. Some knowledge regarding current technology etc.

-MS. PAYAL V. PATEL

**LECTURER,
COMPUTER DEPARTMENT**