

# Department of Computer Engineering (NBA Accredited)



PRAWAH JUNE 2024(7<sup>th</sup> Edition)

## About Department

Department of Computer Engineering at K D Polytechnic, also known as Kilachand Devchand Polytechnic, was established in the year 2001 in Patan, Gujarat. Under the leadership of Shri R.M.Shaikh, the department has been making significant strides in the field of technical education.

With a total intake of 180 students, the Computer Department aims to provide a comprehensive and modern education in the field of computer science and technology. The department is dedicated to equipping students with the necessary skills and knowledge to excel in the ever-evolving field of Computer Engineering.

Department got NBA accreditation till 30/6/2026.

Recognizing the importance of incorporating technology into the learning process, the department actively utilise online teaching-collaborating tools like blogs and you-tube channel created by Faculty . These tools provide a platform for sharing resources, conducting assessments, and engaging in related activities. By leveraging these tools, the department embraces a blended approach to education, combining traditional teaching methods with active learning pedagogy.

The Computer Department at K D Polytechnic places a strong emphasis on contemporary technical education. Students are exposed to a wide range of subjects.

### Vision:

To produce competent diploma engineers through quality education with moral values to meet need of the

### Mission:

- 1) To provide quality education in both theory and practical to solve the problems.
- 2) To encourage students for co-curricular activities.
- 3) Provide exposure to latest technology.
- 4) Transform students into socially responsible and ethical professional.

### PEO:

PEO 1:- Competent with knowledge of Computer Engineering to pursue higher education.  
PEO 2:- Proficient to solve problems that are technically, economically, socially and environmentally acceptable.  
PEO 3:- Efficient team leader, effective communicator and entrepreneur with ethics and moral values.

## Contents

About Department.....	1
Gymkhana Activities .....	2
1. Vibrant Gujarat Global Summit-2024.....	2
2. Mental Health Awareness.....	2
3. Thalassemia Test .....	2
Finishing School .....	3
Training and Placement Activity .....	4
1. Placement Fair .....	4
2. Online course on “Employability Skills: Advanced” .....	4
3. Faculty Training .....	4
3. Grade Test .....	4
ISTE Activities .....	5
1. IoT workshop.....	5
Workshop Organized .....	6
1. Artificial Intelligence Workshop for 2 <sup>nd</sup> Semester.....	6
2. Artificial Intelligence Workshop for 4 <sup>th</sup> Semester.....	6
Expert Lecture Organized.....	7
Introduction to Google Development Student Club.....	7
SSIP Activities.....	8
1. SSIP Awareness Program.....	8
2.POC Approved.....	8
NDLI Club.....	9
1. Creativity Thinking Out Of the Box .....	9
2. Quiz on General Knowledge .....	9
3. Seminar On Entrepreneur skill .....	9
Diploma Admission Awareness .....	10
IMPACT.....	12
Shining Stars (Winter-2023).....	13
Women Development Cell.....	14
1. Seminar on Breast Cancer Awareness.....	14
2. Drawing Competition On Invest in Women: Accelerate Progress .....	14
Creative Corner: .....	15

# Gymkhana Activities

## 1. Vibrant Gujarat Global Summit-2024

The Vibrant Gujarat Summit is a biennial event that aims to position Gujarat as an attractive investment hub and foster partnerships across various sectors. The 10<sup>th</sup> edition of the summit was held from 10-12 January 2024 in Gandhinagar, Gujarat, and was inaugurated by the Honorable Prime Minister, Narendra Modi.

Computer Department students visited Vibrant Gujarat Global Summit-2024 on 13/01/2024.



## 2. Mental Health Awareness

Mental health awareness is a social movement that aims to reduce the stigma around mental illness and improve access to healthcare.

On 18/1/2024 at 2:00 PM To 4:00 PM Mental Health Awareness Seminar is organized by the Gymkhana.

Students participated in this awareness program and got useful information from the resource person.



## 3. Thalassemia Test

On 13/2/2024 Thalassemia Test is conducted for the wellbeing of students. Class Mentors accompany first year students for this test.



# Finishing School

Institute and department has a facility of finishing school from the year 2019 to help final year students to develop their personality.

Finishing School aims at empowering students with various Skill sets in addition to Knowledge that make them Industry ready. Finishing School Trainers enable students to hone their Life Skills, Employability Skills, Functional and Spoken English Skills so as to carve a niche in the competitive and dynamic world

On 12/03/2024 TO 23/03/2024 Finishing School is organized in the institute. Final year 10 Students actively participated in this event.



# Training and Placement Activity

## 1. Placement Fair

The District level placement fair was organized on Dt 29/02/2024 at Govt Eng. College, Patan. The students of dept of Computer Engineering of K D Polytechnic, Patan participated in the placement fair and got exposure to the technical interview sessions. The AM/NS organized the campus interview at the K D Polytechnic, Patan on 12/03/2024 students participated in the interview and gained valuable experience of facing the technical interview.



## 2. Online course on “Employability Skills: Advanced”

The online course on “Employability Skills: Advanced” of 70hrs, offered by Wadhvani Foundation was attended by 130 students and appeared in the certification examination for which they were certified upon scoring more than the eligible criteria. The course helped students in gaining the skills and requirement of preparation for job readiness and skills which enhances the probability of Employability.

The approximately 110 final year students also participated in the online course of “Git” offered by Spoken Tutorial IIT Bombay, and obtained a certificate in technical course. These online courses helped students gaining employability skills and technical skills.

## 3. Faculty Training

21 staff members of the Department of Computer Engineering has participations in 1 week training program, and 28 faculty participations in 2 weeks training program. It includes 11 and 27, 8 weeks and 12 weeks MOOC training respectively. The knowledge upgradation by the faculty members is going to be instrumental in knowledge sharing with the students.

## 3. Grade Test

74 Students from the Department of Computer Engineering participated in Grade Test on 28/03/2024. It is an Employability assessment designed to measure key Factors essential for success in the job market.

# ISTE Activities

## 1. IoT workshop

The ISTE Student Chapter of the Department of Computer Engineering successfully organized a one-day offline workshop on the exciting topic of "Internet of Things (IoT)" on April 26, 2024, from 10:30 am to 04:30 pm. Esteemed speakers Shri. Yuvrajsinh Rajput and Shri Deepak Chaudhary from Bee Robokids Academy, Palanpur, shared their expertise and delivered an insightful session on the applications and potential of IoT technology. The workshop attracted 83 enthusiastic participants, who were actively engaged in learning about the latest advancements in IoT and its practical implications. The event provided a unique opportunity for hands-on experience and inspired participants to delve deeper into the world of IoT.



# Workshop Organized

## *1. Artificial Intelligence Workshop for 2<sup>nd</sup> Semester*

The Department of Computer Engineering organized an engaging offline workshop on May 21, 2024, from 10:30 am to 01:30 pm, titled "Overview of Artificial Intelligence." The session was conducted by Mr. Sachin Barot from Spike Point Infotech Pvt. Ltd., Gandhinagar, who provided an in-depth introduction to the fundamentals and applications of Artificial Intelligence. The workshop was attended by 105 students from the 2nd semester of Computer Engineering, who were keen to explore the rapidly evolving field of AI. Through interactive discussions and expert insights, the participants gained valuable knowledge and inspiration to delve deeper into AI technologies and their practical uses in the industry.



## *2. Artificial Intelligence Workshop for 4<sup>th</sup> Semester*

The Department of Computer Engineering successfully organized an offline workshop on May 21, 2024, from 02:00 pm to 05:30 pm, covering the topic "Overview of Artificial Intelligence." The workshop was conducted by Mr. Sachin Barot from Spike Point Infotech Pvt. Ltd., Gandhinagar, who provided a comprehensive introduction to Artificial Intelligence, highlighting its key concepts, applications, and future potential. The event was attended by 105 enthusiastic 4th-semester Computer Engineering students, who actively participated in the discussions and explored the practical uses of AI in various industries. The workshop offered valuable insights, sparking students' interest in further studies and projects related to Artificial Intelligence.



# Expert Lecture Organized

## *Introduction to Google Development Student Club*

On 11/03/2024, the expert lecture on "Introduction to Google Development Student Club" delivered by Mr. Jaydeep Kuber, GDSC Leader, GEC, Patan provided an enlightening and comprehensive details of Google Developer Student Club. GDSC are community groups for university students interested in growing their knowledge and skills in mobile and web development, machine learning, cloud computing, and other Google technologies. These clubs provide a platform for students to gain hands-on experience by building real-world projects, collaborating with peers, and engaging with local developers. GDSC chapters aim to foster a learning environment where members can develop both technical and soft skills through workshops, hackathons, and mentorship programs led by experienced developers. 47 Student participants of the computer department attended the session and it served as a valuable guide for participants seeking information about GDSC.



# SSIP Activities

## 1. SSIP Awareness Program

SSIP Sensitization program is conducted by Department of Computer Engineering to aware students regarding SSIP2.0 policy, SSIP Projects, Government Initiatives. 109 students of 6<sup>th</sup> semester attended this program on 31/01/2024 at 4:10PM to 5:10PM.SSIP team of the department organized this event.



## 2.POC Approved

Team leader	Enrollment No.	Guide	Project Name	Budget Approved (in Rs.)
Kartavya Joshi	226310307028	Shri. U. V. Patel	Smart Prepaid Printing Service	18,000Rs.
Patel Nikesh Rameshbhai	226310307122	Shri.C. D. Patel	Face Recognition Attendance System	14,000Rs.
Thakker Het H	226310307027	Shri. K. M. Madhu	Fvp Head Tracker	36,000Rs.
Patel Dev	216310307106	Shri. P.J.Joshi	Bird Repellent System	15,000Rs.
Shaikh Adnan	226310307198	Shri. K.D.Prajapati	Electrochromic Goggles	21,000Rs.

# NDLI Club

## 1. Creativity Thinking Out Of the Box

NDLI club, K.D.Polytechnic, Patan had organized Seminar on "Creativity thinking out of the Box" on 15/03/2024. Speaker Was Mr. D.N.Thakkar Lecturer in Electrical Engineering, K.D.Polytechnic, Patan. He had delivered session on creativity thinking and also done activities. There were around 116 staff and students of NDLI club members to attended this seminar.



## 2. Quiz on General Knowledge

NDLI club, K.D.Polytechnic, Patan had organized Quiz on "General Knowledge" on 16/02/2024. Speaker Was Mrs. Nirvruti J. Patel Lectured in Computer Engineering, K.D.Polytechnic, Patan. She had taken Quiz on GK. There were around 105 staff and students of NDLI club members to attend this quiz



## 3.Seminar On Entrepreneur skill

NDLI club, K.D.Polytechnic, Patan had organized seminar on "Entrepreneurship Skill" on 15/02/2024. Speaker Was Dr. Baljit I. Saini Lectured in Computer Engineering, K.D.Polytechnic, Patan. She had given information regarding Entrepreneurship skill . There were around 103 staff and students of NDLI club members to attend this seminar



# Diploma Admission Awareness

Faculty of Computer Engineering department actively participate in Diploma Admission Awareness Program. Under this Program 3067 student got benefit.



Nodal Institute: K.D.POLYTECHNIC, PATAN

Sr	District Name	Taluka	Village Name	School Name	Approximate Distance in Km	Locality	Actual Awareness program held on	No. of Beneficiary	Actual Awareness program conducted by
1	PATAN	CHANASMA	CHANASMA	SHREE K.A.PATEL GIRLS HIGH SCHOOL	18	Urban	11/12/2023	57	Shri A R Dora (Lecturer in Mathematics) Shri U A Patel (Lecturer in Chemistry)
2	PATAN	CHANASMA	CHANASMA	P.P.PATEL HIGHSCHDOL&K.P.PATELHIGH.SEC SCHOOL	18.2	Urban	11/12/2023	68	Shri A R Dora, Lecturer Mathematics Shri U A Patel, Lecturer Chemistry
3	PATAN	CHANASMA	CHAVELI	H.V.PATEL HIGH SCHOOL ,CHAVELI	27.1	Rural	12/12/2023	65	Shri A R Dora, Lecturer Mathematics, Shri M P Patel, Lecturer Mathematics.
4	PATAN	HARU	DUNAVADA	GOVERNMENT SECONDARY SCHDOLDUNAVADA	20	Rural	16/12/2023	168	Shri P M Prajapati, Lecturer Computer Engg, Shri M C Thakore, Lecturer Computer Engg.
5	PATAN	HARU	HARU	SHRI K P HIGHSCHOOL	34	Urban	9/12/2023	308	R S Vaghal(Lecturer EC), D R Dodiya (Lecturer Computer)
6	PATAN	HARU	HARU	MODEL SCHOOL HARU	38.2	Urban			
7	PATAN	PATAN	HANSAPUR	ADARSH NIVASI SHALA (KANYA) V.J.PATAN	3	Urban	13/12/2023	45	Shri D R Rawal, Lecturer Mechanical Engg, Shri V P Choudhary, Lecturer Mechanical Engg, Smt. P P Patankar, Lecturer Applied Mechanics
8	PATAN	PATAN	MANUND	B.K.AMIN HIGH SCHOOL	1	Rural	15/12/2023	25	Shri N J Prajapati, Lecturer Mechanical Engg, Shri A D Patel, Lecturer Mechanical Engg
9	PATAN	PATAN	MATARVADI	SHREE S M DESAI GOPALAK HIGHSCHOOL	3	Urban	21/12/2023	42	Shri C D Patel, Lecturer Computer Engg, Shri P J Joshi, Lecturer Computer Engg
10	PATAN	PATAN	WARDNO-1	SHRI B.D.SARVANIIE VIDHAYALAYA	31	Urban	30/12/2023	150	Shri C N Desai, Lecturer Mechanical Shri SR Modi, Lecturer Mechanical
11	PATAN	PATAN	WARD-NO-10	SHETH V.K.BHUIA HIGH SCHOOL	1.9	Urban	30/12/2023	155	Shri Dr. H R Patel, Lecturer Mechanical Shri H R Patel, Lecturer Mechanical
12	PATAN	PATAN	WARD-NO-10	NOOTAN VINAY MANDIR HIGH SCH	3.7	Urban	20/12/2023	150	Smt N J Patel, Lecturer Computer Engg, Smt P R Sharma, Lecturer Computer Engg, Smt A M Mevada, Lecturer Computer Engg
13	PATAN	PATAN	WARD-NO-11	P.M.PATEL GIRLS H.S. VIDYANAGAR	2.2	Urban			
14	PATAN	PATAN	WARD-NO-4	P.P.G. EXPERIMENTAL SCHOOL	4.1	Urban	28/12/2023	126	Shri Y R Patel, Lecturer Mechanical Shri K S Patel, Lecturer Mechanical

15	PATAN	PATAN	WARD-NO-5	ADARSH VIDYALAYA	13.7	Urban	26/12/2023	360	Shri J P Futeri, Lecturer Mechanical Shri M K Modi, Lecturer Mechanical
16	PATAN	PATAN	WARD-NO-6	SHETH B.M.HIGHSCHOOL	3.7	Urban	16/12/2023	325	Shri C N Desai, Lecturer Mechanical Engg, Shri S R Wode, Lecturer Mechanical Engg.
17	PATAN	PATAN	WARD-NO-9	GYAN MANDIR HIGHSCHOOL	3.3	Urban	16/12/2023	90	Shri B I Saini, Lecturer Computer Engg, Shri Shyju Raju, Lecturer Computer Engg.
18	PATAN	PATAN	WARD-NO-9	ASHISH VIDYALAYA	3.6	Urban	22/12/2023	58	Shri U A Patel, Lecturer Chemistry Shri M P Patel, Lecturer Mathematics
19	PATAN	RADHANPUR	RADHANPUR	NALANDA MADHYAMIK VIDHYALAY	72.3	Rural	12/12/2023	155	Shri N A Patel, Lecturer Computer Engg, Shri M C Thakore, Lecturer Computer Engg.
20	PATAN	RADHANPUR	RADHANPUR	MODEL SCHOOL RADHANPUR	69.8	Urban	12/12/2023	182	Shri N A Patel, Lecturer Computer Engg, Shri M C Thakore, Lecturer Computer Engg.
21	PATAN	SAMI	NAYAKA	SHREE SWAMI SACHCHIDA NANDEH.S.VIDHYALAY	49	Rural	26/12/2023	23	Shri R H Prajapati, Lecturer Mechanical Shri K R Patel, Lecturer Mechanical
22	PATAN	SAMI	SAMI	MODEL SCHOOL SAMI	48.5	Rural	26/12/2023	52	Shri R H Prajapati, Lecturer Mechanical Shri K R Patel, Lecturer Mechanical
23	PATAN	SANTALPUR	LUNICHNA	MODEL DAY SCHOOL LUNICHANA	95.8	Rural	15/12/2023	78	Shri J A Patel, Lecturer Civil Engg, Shri H S Panchal, Lecturer Civil Engg.
24	PATAN	SARASWATI	VAGDOD	MODEL SCHOOL VAGDOD	17.2	Rural	18/12/2023	23	Shri M R Thakkar, Lecturer Computer Engg, Shri K D Prajapati, Lecturer Computer Engg.
25	PATAN	SHANKHESHWAR	MOTICHUNDAR	R.L VAGELA HIGHER POST BASIC SCHOOL	61.3	Rural	11/12/2023	55	Shri M C Thakore, Lecturer Computer Engg, Shri S D Parmar, Lecturer EC Engg.
26	PATAN	SIDHPUR	CHANDRAVATI	UDAY HIGH SCHOOL	21.2	Rural	11/12/2023	72	Shri N A Patel, Lecturer Computer Engg, Shri S D Prajapati, Lecturer Computer Engg.
27	PATAN	SIDHPUR	SIDHPUR	L.S. HIGHSCHOOL	29.1	Urban	16/12/2023	130	Shri S D Prajapati, Shri K D Prajapati
28	PATAN	SIDHPUR	SIDHPUR	T & H.A.ADENWALA SEC & HIGH SEC	29.5	Urban	14/12/2023	128	Shri K M Madhu, Lecturer Computer Engg, Shri Y B Patel, Lecturer Computer Engg.
29	PATAN	SIDHPUR	SIDHPUR	SHETH M.P.HIGHSCHOOL	30.3	Urban	13/12/2023	133	Shri J A Patel, Lecturer Civil Engg, Shri H S Panchal, Lecturer Civil Engg.
30	PATAN	SIDHPUR	SIDHPUR	SHRI SHANTINIKETAN HIGHSCHOOL	30.3	Urban	04/01/2024	65	Shri N. A. Patel, Lecturer Computer Shri S. D. Prajapati, Lecturer Computer

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# IMPACT

IMPACT (Integrated Module of Placement Apprenticeship cum Training) is joint initiative by GKS and SPOKEN TUTORIAL under the direction of DTE. This initiative is formed to give the free access of various technical courses offered by SPOKEN TUTORIAL to the students of Government Degree Engineering and Diploma Engineering Institutes.

The initiative will enlarge the technical skills of students which will be helpful to them in their future placement activities.

Under this initiative, student can avail maximum 2 courses from SPOKEN TUTORIAL per semester. Once student enrolled for the course he/she will get participation certificate and after successful completion of exam he/she will get completion certificate.

Total 449 students got benefit of this program during January to June 2024 period.

Impact Courses Participation		
Course Name	Semester	Students Participated
Git	6	134
Java	4	161
HTML	2	154

# Shining Stars (Winter-2023)

## *Diploma Semester 1*

<b>Sr. No.</b>	<b>Enrolment No.</b>	<b>Name</b>	<b>SPI</b>
1	236310307024	DARJI TIRTH JAYANTIBHAI	9.86
2	236310307096	PATEL DHYAN MAHESHKUMAR	9.62
3	236310307030	GANDHI JANVI HARESHKUMAR	9.29
4	236310307029	DUBEY DIPANSHU KRISHNAKUMAR	9.05

## *Diploma Semester 3*

<b>Sr. No.</b>	<b>Enrolment No.</b>	<b>Name</b>	<b>SPI</b>
1	226310307027	HET HITESHKUMAR THAKKAR	9.52
2	226310307214	THAKKAR SUJAL BHARATBHAI	9.33
3	226310307099	PATEL HETVI ALPESHKUMAR	9.24

## *Diploma Semester 5*

<b>Sr. No.</b>	<b>Enrolment No.</b>	<b>Name</b>	<b>SPI</b>
1	216310307137	DABHI OM NARANBHAI	9.19
2	216310307024	PUROHIT DHRUV DINESHKUMAR	9.14
3	216310307105	RAVAL SHITTALBEN JAYESHBHAI	9
4	216310307072	GOTHI NAMAN DEVDATTBHAI	9

# Women Development Cell

## 1. Seminar on Breast Cancer Awareness



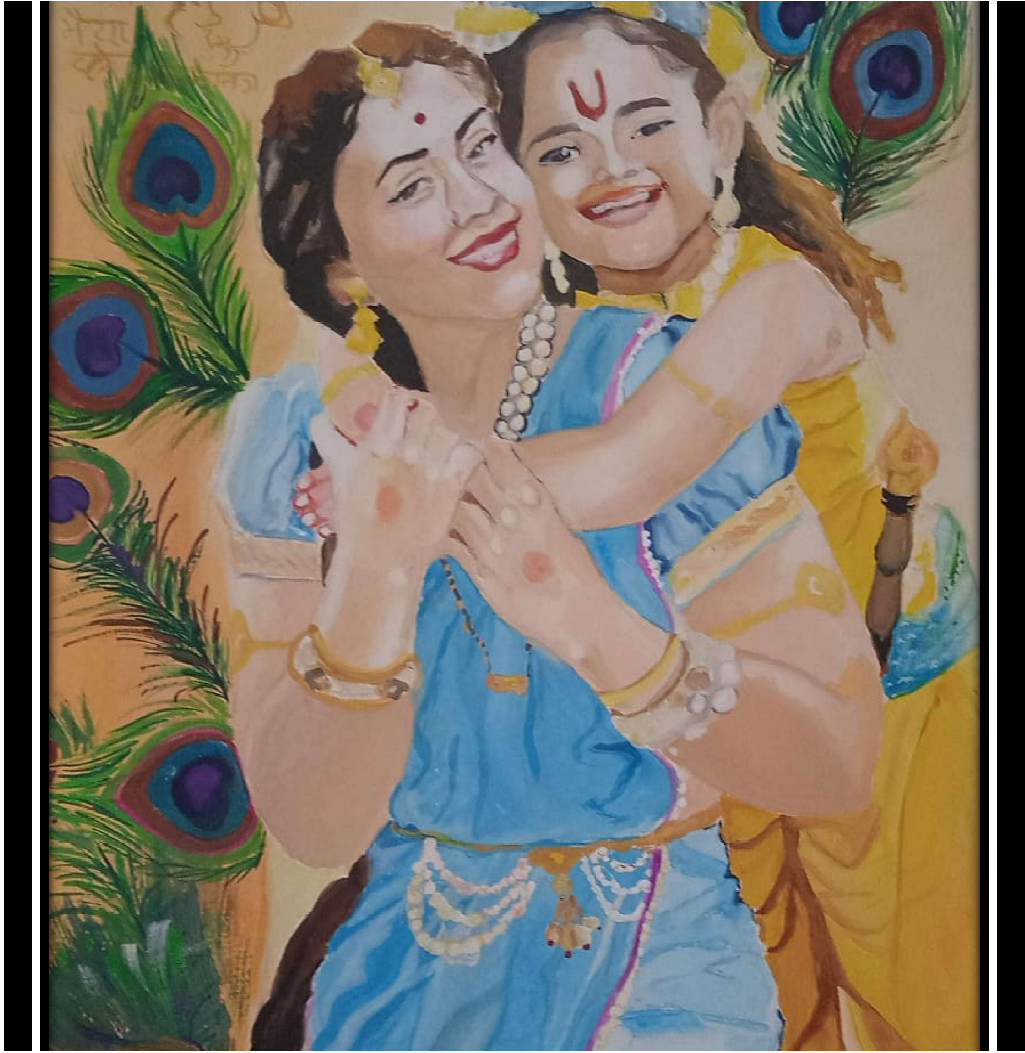
For the benefit of Women in the institute, Women Development Cell organized Seminar on Breast Cancer Awareness on Date 29-2-2024, Time: 11AM, Seminar Hall Department of Computer Engineering. Mrs. Dimpal Patel Project Incharge, Ashirvad Foundation Ahmedabad is resource person for this seminar. The Breast Cancer Awareness Seminar successfully disseminated crucial information on prevention, early detection, and treatment options to attendees. She also highlighted the importance of regular screenings and lifestyle choices in combating the disease. Interactive sessions fostered a supportive environment for 101 participants to share experiences and empower each other. Girls Students of the Institute, Female Faculty Members and WDC cell members attended this valuable session.

## 2. Drawing Competition On Invest in Women: Accelerate Progress

Women Development Cell organized drawing Competition to celebrate women's day on 7-03-2024. This theme emphasizes the critical role of investing in women's education, healthcare, economic empowerment, and leadership development to accelerate progress towards gender equality. Students are appreciated with appreciation certificate for their talent. Miss. Shivangi Brahmhatt student of 2nd semester, Department of Computer Engineering got First Position in this Competition.



## Creative Corner:





## Team Prawah

Dr.B.I.Saini

Mr.K.M.Madhu

Mr.N.A.Patel

Mr.K.D.Prajapati

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<https://sites.google.com/view/computerengineeringdepartment>