

Department of Computer Engineering (NBA Accredited)



PRAWAH December 2024

(8th 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.

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Gymkhana Activities

1. Tree Plantation@KDP

K.D. Polytechnic College, Patan, organized a tree plantation event on 21/07/2024, with Heads of Departments from various branches and 80 enthusiastic students. The initiative aimed to promote environmental awareness and sustainability. Participants planted saplings, fostering a greener future and reinforcing their commitment to nature conservation and ecological balance.



2. NashaMukti Seminar

K.D. Polytechnic College, Patan, organized a **NashaMukti Seminar** on 12/08/2024, where **115 students** actively participated. The session was led by **Mr. Piyush Dave** from the **District Health Department**, who highlighted the dangers of addiction and the importance of a drug-free life. He discussed the psychological, social, and health impacts of substance abuse and provided guidance on prevention and rehabilitation. The seminar aimed to raise awareness, encourage positive choices, and inspire students to contribute to a healthier, addiction-free society.



3. Independence Day Celebration

K.D. Polytechnic, Patan, celebrated **Independence Day(15/08/2024)** with great enthusiasm. The flag was hoisted by **Shri D.K. Patel**, an upcoming retired employee, and **Laxmabhai Solanki**. Students and faculty participated in patriotic activities, speeches, and cultural performances. The event honored India's freedom struggle, fostering a sense of unity, pride, and respect for the nation.



Diplomadmission Awareness Program

K. D. Polytechnic, Patan has organized more than 28 diploma admission awareness program under the guidance of nodal officer Dr. Chirag Patel, Lecturer of Computer Engg, at different location of Patan district (during 27-11-2024 to 31-12-2024). 40+ Faculty members are involve in the delivering the expert talk in this program. Total2500+ students attend the program..



Training and Placement Activity

1. Online course on “Employability Skills: Advanced”

The online course on “Employability Skills: Advanced” of 70hrs, offered by Wadhvani Foundation was attended by 99 students and they will be appearing in the certification examination for which they will be certified upon scoring more than the eligible criteria during upcoming Academic term 24-25(even term). The course helped students in gaining the skills and requirement of preparation for job readiness and skills which enhances the probability of Employability.

2. Faculty Training

04 staff members of the Department of Computer Engineering has participations in 1 week FDP training program, 13 faculty participations in 8 weeks and 12 weeks MOOC training Programs on Swyam NPTEL respectively. 13 faculty members also participated in the 2 - week Industrial Training which is required for the Career Advancement Scheme. The knowledge upgradation by the faculty members is going to be instrumental in knowledge sharing with the students.

3. FDP on Artificial Intelligence in IoT and Aerial Robotics

An AICTE ATAL Faculty Development Program (FDP) was conducted from December 16 to 21, 2024, focusing on "Artificial Intelligence in IoT and Aerial Robotics". The FDP aimed to enrich faculty members with advanced knowledge and practical insights into the latest developments in technology and their applications. Dr.Jigna.N.Acarya Coordinates this Program.The program included expert sessions, discussions, industrial visit and practical case studies delivered by distinguished professionals and academicians. There were 32 Participants from different reputed institutes of Gujarat. Prof. H. L. Chaudhary(GEC, Patan), Ms A. J. Raval (GPERI, Mevad), Dr. Rajesh Patel(SPCoE, SK Univ, Visnagar), Mr Darshan Patel, (Head Embedded dept, Birgreen Pvt Ltd), Mr Dhvalakumar Vyas(Head Electronics Dept, Bitgreen Pvt Ltd.), and Dr Parth Thakar (Ast Prof, PDEU, Gandhinagar) provided their knowledge in AI, IoT and Aerial robotics to the participants.



Cyber Cell Activities

1. Cyber Safety Awareness Program at V.K.Bhula High School, Patan

K D Polytechnic, Patan design a cyber-club in the institute. Shri Dr. Chirag Patel is working as a coordinator of this club. Shri Naresh Patel is co-coordinator of this club. Under this club, we arrange several program for cyber safety at various school and in our institute. Program is organized by the club. One program is at V. K. Bhula high school in Patan city on date 04-09-2024 Time 11:30 AM. 42 students and 5 teacher present in the event.



2. Cyber Safety Awareness Program at Computer Department, K. D. Polytechnic, Patan

K D Polytechnic, Patan design a cyber-club in the institute. Shri Dr. Chirag Patel is working as a coordinator of this club. Shri Naresh Patel is co-coordinator of this club. Under this club, we arrange several program for cyber safety at various school and in our institute. Two program is organized by the club. One program is at Computer Department, K. D. Polytechnic, Patan on date 07-08-2024 Time 3:00 PM. 147 students and 10 teacher present in the event.



3. Expert Talk at ATAL FDP Organized By K. D. Polytechnic, Patan

Department of Computer Engineering, K D Polytechnic, Patan organised one week ATAL Faculty Development Program during 16-12-2024 to 21-12-2024. On Date 20-12-2024 Dr. Chirag Patel Delivered an expert talk on "Cyber Safety Awareness". Total 30+ candidate attend the session.



Expert Lecture Organized

Web Development Using Wordpress

On 09/10/2024, the expert lecture on "Web Development Using Wordpress" delivered by Mr. Vijay Patel, Zorens Technology, Patan provided with an insightful introduction to WordPress as a powerful Content Management System, tracing its evolution and widespread adoption within the web development community. The discussion seamlessly transitioned into the practical aspects of setting up a WordPress environment, encompassing installation procedures, configuration nuances, and navigation through the user-friendly dashboard. Participants gained essential skills in theme customization, understanding the significance of themes in WordPress development, and the creation of child themes for advanced personalization. The lecture also delved into the strategic use of plugins to extend functionality, emphasizing the importance of responsive design, mobile optimization, and security best practices. Attendees engaged in hands-on learning experiences, exploring advanced customization.



SSIP Activities

1. SSIP Awareness Program for 1st Semester Computer Engineering Students at K.D.Polytechnic Patan

K D Polytechnic, Patan, SSIP Cell conducted an SSIP 2.0 Sensitization Program on 2nd September 2024 at the Department of Computer Engineering. The expert lecture aimed to educate 1st-semester Diploma Computer Engineering students about SSIP 2.0 policies, SSIP projects, and government initiatives. The session, held from 4 PM to 5 PM, was coordinated by Mrs. Baljit Saini and Mr. Y. R. Patel.



2. SSIP Awareness Program for 3rd Semester Computer Engineering Students at K.D.Polytechnic Patan

K D Polytechnic, Patan, SSIP Cell conducted an SSIP 2.0 Sensitization Program on 5th September 2024 at the Department of Computer Engineering. The expert lecture aimed to educate 121 students from the 3rd Semester, Diploma Computer Engineering about SSIP 2.0 policies, SSIP projects, and government initiatives. The session, held from 4 PM to 5 PM, was coordinated by Mr. Shyju Raju. It provided insights into startup support and innovation policies.



3. SSIP Awareness Program for 5th Semester Computer Engineering Students at K.D.Polytechnic Patan

K D Polytechnic, Patan, SSIP Cell conducted an SSIP 2.0 Sensitization Program on 4th September 2024 at the Department of Computer Engineering. The expert lecture aimed to educate 42 students from the 5th Semester, Diploma Computer Engineering about SSIP 2.0 policies, SSIP projects, and government initiatives. The session, held from 4 PM to 5 PM, was coordinated by Mr. Mitesh C. Thakore, Lecturer. It provided insights into startup support and innovation policies.



SSIP Activities

4.SSIP Awareness Program at P.P.G. Experimental School, Patan.

K D Polytechnic, Patan, SSIP Cell conducted an SSIP 2.0 Sensitization Program on 2nd August 2024 at P.P.G. Experimental School, Patan. The expert lecture aimed to educate 103 students about SSIP 2.0 policies, SSIP projects, and government initiatives. The session, held from 4 PM to 5 PM, was coordinated by Mrs. Baljit Saini and Mr. Y. R. Patel. Expert speakers Mrs. B. I. Saini, Mr. Y. R. Patel, and Mr. M. C. Thakore shared valuable insights on innovation and startup support.



5.SSIP Awareness Program at Bhagwati International Public School, Patan

K D Polytechnic, Patan, SSIP Cell conducted an SSIP 2.0 Sensitization Program on 2nd August 2024 at Bhagwati International Public School, Patan. The expert lecture aimed to educate 115 students about SSIP 2.0 policies, SSIP projects, and government initiatives. The session, held from 3 PM to 4 PM, was coordinated by Mrs. Baljit Saini and Mr. Y. R. Patel. Expert speakers Mrs. B. I. Saini, Mr. Y. R. Patel, and Mr. M. C. Thakore shared valuable insights on innovation and startup support.



5. GTU Robotics Club Awareness Workshop

K D Polytechnic, Patan, SSIP Cell organized a GTU Robotics Club Awareness Workshop on 8th August 2024 at the Department of Computer Engineering, Seminar Hall. The workshop aimed to educate 93 Computer Engineering students about GTU Robotics Club and its initiatives. The session, coordinated by Mrs. Baljit Saini and Mr. Y. R. Patel, featured expert speakers Ms. Palak Sathawara, Mr. Pruthvi Patel, Ms. Yashvi Shah, and Ms. Bhavya Pandya, all members of GTU Robotics Club, specializing in Robotics.



Shining Stars (Summer-2024)

Diploma Semester 2

Sr. No.	Enrolment No.	Name	SPI
1	236310307024	DARJI TIRTH JAYANTIBHAI	9.8
2	236310307096	PATEL DHYAN MAHESHKUMAR	9.1
3	236310307030	GANDHI JANVI HARESHKUMAR	9
4	236310307139	PATEL YASHVIBEN CHANDRAKANTBHAI	9

Diploma Semester 4

Sr. No.	Enrolment No.	Name	SPI
1	226310307027	HET HITESHKUMAR THAKKAR	10
2	226310307057	MODI PRINS PARESHKUMAR	9.62
3	226310307099	PATEL HETVI ALPESHKUMAR	9.48

Diploma Semester 6

Sr. No.	Enrolment No.	Name	SPI
1	216310307137	DABHI OM NARANBHAI	10
2	216310307026	PRAJAPATI SHAILESH MAHADEVBHAI	9.78
3	216310307016	SHREYANSH MUKESHKUMAR MEVADA	9.11
4	216310307092	MODI KISHANKUMAR KANTIBHAI	9.11
5	216310307111	RAJPUT VISHVABEN RAJESHJI	9.11

Summer -2024 Result Analysis

SUBJECT CODE	SUBJECT NAME	NO. OF PASS STUDENT	NO. OF FAIL STUDENT	TOTAL STUDENT	SUBJECT RESULT % (DEPT.)	SUBJECT RESULT % (GTU)	OVER ALL PASS STUDENT	OVER ALL RESULT % (DEPT.)
Semester-2								
4300005	Physics	99	54	153	64.71%	50.64%	69	45.10%
4311603	Indian Constitution	153	0	153	100.00%	96.70%		
4320002	Static Web Page Design	133	20	153	86.93%	48.55%		
4320701	Engineering Mathematics	98	55	153	64.05%	96.45%		
4320702	Electronic and Computer Workshop Practice	148	5	153	96.73%	51.72%		
4320703	Basic Object Oriented Programming	93	60	153	60.78%	67.17%		
4300016	Basics of Digital Electronics	117	36	153	76.47%	96.65%		
Semester-4								
4340003	Integrated Personality Development Course	153	1	154	99.35%	95.60%	101	65.58%
4340701	Advanced Object Oriented Programming	121	33	154	78.57%	70.34%		
4340702	Introduction to Software Engineering	117	37	154	75.97%	73.85%		
4340703	Computer Networking	134	20	154	87.01%	80.94%		
4340704	Introduction to Web Development	118	36	154	76.62%	66.35%		
4340705	Modern Practical Tools	147	7	154	95.45%	97.09%		
Semester-6								
4360701	Computer Maintenance and Troubleshooting	132	11	143	92.31%	92.38%	123	86.01%
4360702	Basics of information Security	132	11	143	92.31%	91.88%		
4360703	Fundamentals of IoT	130	13	143	90.91%	92.83%		
4360704	Introduction to NO SQL	140	3	143	97.90%	98.14%		
4360709	Cloud Computing (Elective)	133	10	143	93.01%	93.56%		

Women Development Cell

1. Oral Hygiene Seminar and Check-up Camp



On 21st August 2024, the Women Development Cell of K.D. Polytechnic Patan organized an informative Oral Hygiene Seminar and Check-up Camp to raise awareness about the importance of maintaining good oral hygiene. The event was conducted with the expert guidance of Dr. Niyati Khamar (B.D.S) from Shreeji Dental Clinic, Patan. The event aimed to educate students and female staff about the best practices for oral care, provide preventive dental care tips, and offer free dental check-ups.

The seminar and check-up camp were held in the Seminar Hall of the Department of Computer Engineering, from 03:00 PM to 04:00 PM. A total of 103 Girls participants, and female staff members, attended the event. The seminar featured valuable insights on various aspects of oral health, including proper brushing techniques, the importance of regular dental check-ups, and dietary habits that affect dental health.



Student Achievements:

Brahmbhatt Shivangi Parixitkumar(236310307011) Semester 2nd secured 2nd position in the online Arts and Crafts contest held on econtestguru.com on September 7, 2024. She also received a participation certificate in the National Video Talent Show competition organized by BeyondKlasses in September 2024.



Creative Corner:



A Beautiful Drawing By Brahmbhatt Shivangi Parixitkumar(236310307011),student of 2nd semester ,Department of Computer Engineering



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>