

Polytechnic Reader and Web Addict's Hotspot PRAWAH (6th Edition December-2023)



DEPARTMENT OF COMPUTER ENGINEERING
K.D.POLYTECHNIC PATAN, GUJARAT

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.

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,

Head Message



Welcome to the Department of Computer Engineering. The Department of Computer Engineering strives for Excellence in teaching and learning and ethical professional development. We are proud to have State-of-the-art laboratories and technical staff to support our academic program. We have well balanced and innovative teaching-learning atmosphere and qualified and well experienced dedicated academic staff. The students here are encouraged to participate in co-curricular and Extra-curricular activities for personal development. There are many careers paths for Computer Engineers. They are essential in Government agencies, Private and Public sector undertaking to complete various Mega Projects.

Mr.R.M.SHAIKH

H.O.D

Department of Computer Engineering

Vision

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

Mission

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

Program Educational Objectives

The diploma holders will be:

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

Program Outcome

Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

Program Specific Outcome

After the completion of the program, in future students will be able to have

- ✚ An ability to analyses, design, develop and test software using different programming language
- ✚ An ability to setup, analyses, design and troubleshoot network and computer hardware issues.

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Sr. No.	NBA Procedure	Status
1	NBA Application File No.: 20-147-2021-NBA Application No:6297	06/12/2023 05/01/2022
2	Student Faculty Ratio (SFR)	24.51
3	Self-Appraisal Report (SAR) filled by Computer Engineering Department Updated SAR	23/03/2022 16/06/2023
4	Mock NBA visit conducted for Computer Engineering Program	14/02/2023
5	Dates of NBA Visit	20/10/2023 21/10/2023 22/10/2023
6	Team of NBA Visit Prof. Syed Tariq Jilani	----- Chairperson
	Prof. Shashikant Ghumbre	Computer Expert
8	Marks Obtained by Computer Engineering Department in NBA Visit	635/1000
9	Final Status of NBA Accreditation of Computer Engineering Program	Got NBA Accreditation Till 30/6/2026

Mr. Vijay Patel of Zorens Technology, Patan, delivered an expert lecture on "Web Development Using WordPress" on September 15, 2023 at 11 AM to 12:30PM. The session covered WordPress fundamentals, installation, theme customization, plugin usage, and hands-on advanced customization, providing 118 participants with a comprehensive skill set for web development success.



Mr. Manav Patel' deliver expert session on September 22, 2023, from 2:50 am to 4:30 pm, 86 students explored version control excellence using Git and GitHub. Covering Git fundamentals, branching, merging, and GitHub collaboration, the lecture enhanced participants' skills for efficient code management in the software engineering landscape.



On October 6, 2023, from 3:00 pm to 4:00 pm, Mr. Dhruv Patel from SPCE, Visanagar, delivered an expert lecture on "Social Cyber Security Awareness" at the Seminar Hall. With 35 student participants, the session highlighted social engineering vulnerabilities and provided practical strategies for recognizing and thwarting cyber threats. The lecture underscored the importance of ongoing user education and collective defense against evolving cyber risks.



On December 14, 2023, from 1:00 pm to 2:00 pm, Mr. J. B. Patel from Government Polytechnic, Himmatnagar, delivered an expert lecture on "A Comprehensive Guide to Ergonomics Excellence". With 69 student participants, the session emphasized ergonomic principles for creating optimal work environments, promoting employee well-being, and enhancing overall workplace productivity.



On July 21, 2023, during the recess time of K. D. Polytechnic, Patan, 102 students and all faculty members joined hands in a Tree Plantation event in the college garden. This collective effort aimed to nurture nature, fostering a greener campus for a healthier planet.



On July 29, 2023, from 6:00 am to 6:30 pm, 62 students visited SEMICON India 2023 held at Mahatma Mandir, Gandhinagar. This visit promises an immersive experience, showcasing innovative gadgets and smart machines.



Gymkhana of K. D. Polytechnic, Patan was organized Essay writing on 2-8-2023 on G20/Y20 among the students. 24 Students participated in the event very enthusiastically and expressed their thoughts in the form of essay. Students enjoyed fully during event.



On 2-8-2023 Gymkhana of K. D. Polytechnic, Patan organized Seminar on Y20 for the students. 42 Students participated in the event very enthusiastically and expressed their thoughts in the seminar. Students enjoyed fully during event.



On 15-8-2023 the Azadi ka Amrut Mahotsav Samapan Program for Independence Day Celebration is a grand finale, a culmination of patriotic festivities. 94 Students participated in this program



On 21-9-2023 Rangoli Competition is organized for Students. 39 Students participated in this program



On 22-9-2023 Prize Distribution Ceremony is organized for Students.All Studentss participated in this program .The atmosphere is charged with anticipation as winners step forward to receive their well-deserved honours.



On 27-10-2023 Navratri Festival is celebrated.All Students participated in this with happiness and joy.



52 Students visited Start up conclave – 2023, Gandhinagar On 8-12-2023 .Government of Gujarat organized this conclave



16 students from Department of Computer Engineering participated in the regional round of the New India Vibrant Hackathon 2023 on 4th Nov 2023 at Ganpat University, Kherva, Mehsana.

One team (TM000367) was selected for the Grand Finale of the “New India Vibrant Hackathon 2023 on 4th Nov 2023” held on 25th Nov 2023 at PDEU, Gandhinagar.



SSIP Awareness program is organized for students to aware them regarding SSIP2.0 policy, SSIP Projects, Government Initiatives



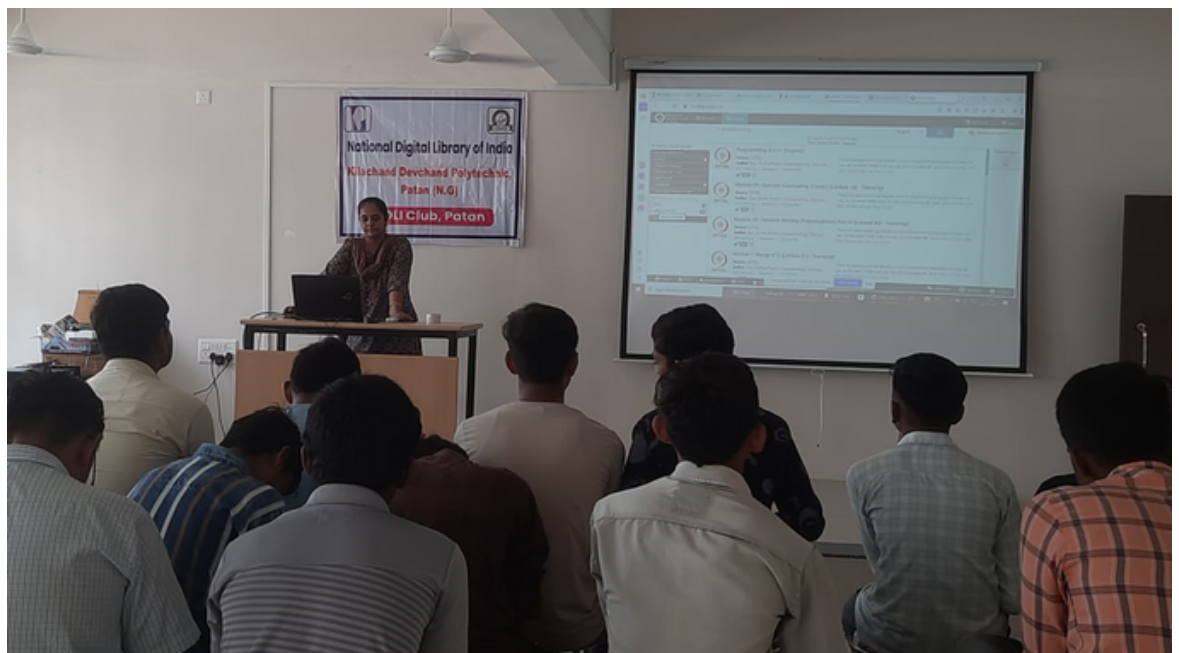
07 Lecturers from Department of Computer Engineering participated as Expert Jury in the regional round of the New India Vibrant Hackathon 2023 on 4th Nov 2023 at Ganpat University, Kherva, Mehsana.



Women Development Cell organized Seminar on Cyber Security Awareness on Date 6-9-2023, Time: 11AM, Seminar Hall Department of Computer Engineering. Mr.C.D.Patel Lecturer Computer Engineering (Cyber Volunteer) is resource person for this seminar. He discusses various cyber security threats, cyber-crimes and cyber laws. He also give security tips to women against online threats. 81 Students of Computer Department, Female Faculty Members and WDC cell members attended this valuable session.



NDLI club, K.D.Polytechnic,Patan had organized seminar on "NDLI User Awareness". Speaker Was Dr. J.N.Acharya Lectured in computer Engineering Department, K.D.Polytechnic, Patan. She had given information regarding Services of NDLI and NDLI Club. There were around 106 staff and students of NDLI club members to attend this seminar.



Programme	Date of Faculty Development Program	Name of Faculty	No. of days	Venue
Ethical Hacking	Jan-Apr 2023	Shyju Raju	12 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Chiragkumar Dilipbhai Patel	4 Weeks	SWAYAM (MOOC)
Soft Skills	Jul-Oct 2023	Jigna Navnitlal Acharya	12 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Paraskumar Jayeshbhai Joshi	4 Weeks	SWAYAM (MOOC)
Soft Skills	Jul-Oct 2023	Baljit Indersingh Saini	12 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Mayurkumar Rajeshbhai Thakkar	4 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Nareshkumar Ambalal Patel	4 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Satishkumar Dungarbhai Prajapati	4 Weeks	SWAYAM (MOOC)
The Joy of Computing using Python	Jul-Oct 2023	Satishkumar Dungarbhai Prajapati	12 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Kaushik Dhulabhai Prajapati	4 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Piyush Manharbhai Prajapati	4 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Kaushalkumar Mukeshkumar Madhu	4 Weeks	SWAYAM (MOOC)
Privacy and Security in Online Social Media	Jul-Oct 2023	Shyju Raju	12 Weeks	SWAYAM (MOOC)
Soft Skills	Jul-Oct 2023	Nirvruti Jayantilal Patel	12 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Divyesh Rameshchandra Dodiya	4 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Yagneshkumar Rameshbhai Patel	4 Weeks	SWAYAM (MOOC)
Python for Data Science	Jul-Aug 2023	Mitesh Chhaganji Thakore	4 Weeks	SWAYAM (MOOC)
Social Media Tools and Graphic Design for Logistic Management	17-Jul-2023 to 21-Jul-2023	Nareshkumar Ambalal Patel	1 Week	NITTR, BHOPAL (Online)

Programme	Date of Faculty Development Program	Name of Faculty	No. of days	Venue
Social Media Tools and Graphic Design for Logistic Management	17-Jul-2023 to 21-Jul-2023	Mitesh Chhaganji Thakore	1 Week	NITTTR, BHOPAL (Online)
Curriculum Design for Holistic and Multidisciplinary Education	24-Jul-2023 to 28-Jul-2023	Paraskumar Jayeshbhai Joshi	1 Week	NITTTR, BHOPAL
ICT - Tools for Teaching Learning	31-Jul-2023 to 04-Aug-2023	Nirvruti Jayantilal Patel	1 Week	NITTTR, BHOPAL (Online)
TQM and Six Sigma for Engineering Institutions	07-Aug-2023 to 11-Aug-2023	Kaushik Dhulabhai Prajapati	1 Week	NITTTR, BHOPAL
Climate Change and Disaster Risk Reduction: Making Sustainability a Way of Life	07-Aug-2023 to 11-Aug-2023	Piyush Manharbhai Prajapati	1 Week	NITTTR, BHOPAL
Induction Programme Phase-2	11-Sep-2023 to 22-Sep-2023	Divyesh Rameshchandra Dodiya	2 Weeks	NITTTR, AHMEDABAD
Cyber Threat Intelligence and Digital Forensics	12-Sep-2023 to 16-Sep-2023	Kaushalkumar Mukeshkumar Madhu	1 Week	GTU, CHANDKHEDA
Social Media Tools and Graphic Design for Logistic Management	17-Jul-2023 to 21-Jul-2023	Mitesh Chhaganji Thakore	1 Week	NITTTR, BHOPAL (Online)

Training Taken By Faculty

Programme	Date of Faculty Development Program	Name of Faculty	No. of days	Venue
Social Media Tools and Graphic Design for Logistic Management	17-Jul-2023 to 21-Jul-2023	Mitesh Chhaganji Thakore	1 Week	NITTTR, BHOPAL (Online)
Curriculum Design for Holistic and Multidisciplinary Education	24-Jul-2023 to 28-Jul-2023	Paraskumar Jayeshbhai Joshi	1 Week	NITTTR, BHOPAL
ICT - Tools for Teaching Learning	31-Jul-2023 to 04-Aug-2023	Nirvrti Jayantilal Patel	1 Week	NITTTR, BHOPAL (Online)
TQM and Six Sigma for Engineering Institutions	07-Aug-2023 to 11-Aug-2023	Kaushik Dhulabhai Prajapati	1 Week	NITTTR, BHOPAL
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Sr. No.	Name of Company	No. of Students
1	Ammann India Pvt. Ltd.	1
2	Balief Corporation	2
3	Bhumi Industries	1
4	Devnandan Renewable Energy Pvt. Ltd.	1
5	Ei. Engineer & Licensed Contractor	2
6	Eltech Control Industries	2
7	Excel Enterprise	1
8	GEW Electropower Project Pvt. Ltd.	2
9	Gujarat Power Engineering & Research Institute	1
10	Harsha Engineers International Private Limited	2
11	Jhon Energy Ltd.	5
12	Kisan Submersible Pumps Pvt. Ltd.	1
13	Power Electro Systems	1
14	Servo Control System	2
15	Shagun Industries	1
16	Smile Sun Energy	1
17	Mahakali Electric Service	1
18	Swami Energy	4
19	D. R. Enterprise	2
20	Topsun Energy Ltd.	1
21	Vanshka Enterprise	6
22	Wanakbori Thermal Power Station (Guj. State Ele. Co. Ltd.)	1
Total No. of Students-41 Total No. of Companies-22		

Sr. No.	Name of Company	No. of Students
1	AIS TECHNO LABS PVT. LTD.	3
2	AKASH TECHNO LAB	4
3	ARSOFT, BEAMING STAR IT VISION FOUNDATION	2
4	BRAINYBEAM INFO-TECH PVT LTD.	7
5	Coding junior	1
6	CODING PRO	23
7	DOLPHIN WEB SOLUTION PVT. LTD.	1
8	FLU SOCIAL - DIGITAL MARKETING	9
9	GUJARAT FLUROCHEMICALS LTD.	1
10	GUJARAT TECHNOLOGICAL UNIVERSITY	1
11	HEALTRIX HEALTHCARE INNOVATION PVT. LTD.	1
12	INFIXZON TECHNOLOGIES	3
13	INFOLABZ IT SERVICES PVT. LTD	24
14	INSTANOMIC	1
15	INSYNC CORP	43
16	JPAR TECH & CONSULTANCY	1
17	KACHHUA SOLUTIONS PVT LTD	2
18	NIVAAN INFOTECH	5
19	SILVERLINES COMPANY, SILVERWING TECHNOLOGIES PVT.LTD	2
20	SNAPFIX	7
21	TOPS TECHNOLOGIES, VERSION UP, VP ITLabs	3
22	WEBLOGYSHERE PVT LTD (WLS)	1
23	YIION SYSTEMS	10
24	ZORNES INFOTECH PVT.LTD	9
Total No. of Students-163 Total No. of Companies-28		

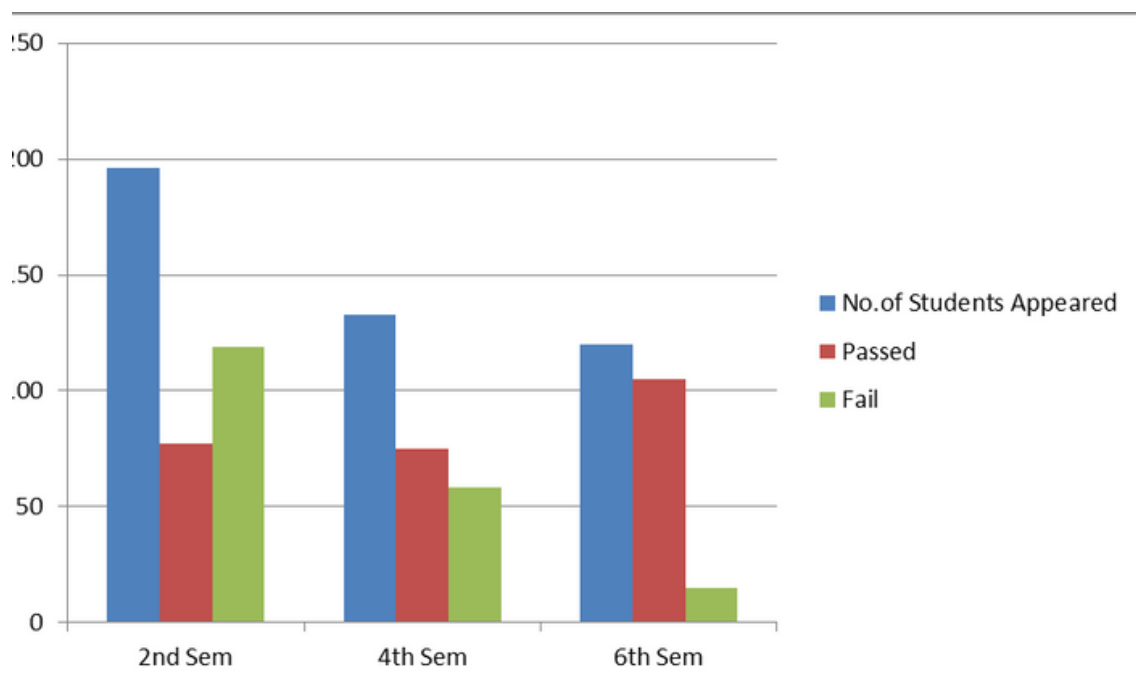
Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student
1	226310307099	PATEL HETVI ALPESHKUMAR	9.55	FIRST
2	226310307027	HET HITESHKUMAR THAKKAR	9.5	SECOND
3	226310307063	NASRIVALA KRISH TARUNBHAI	9.4	THIRD

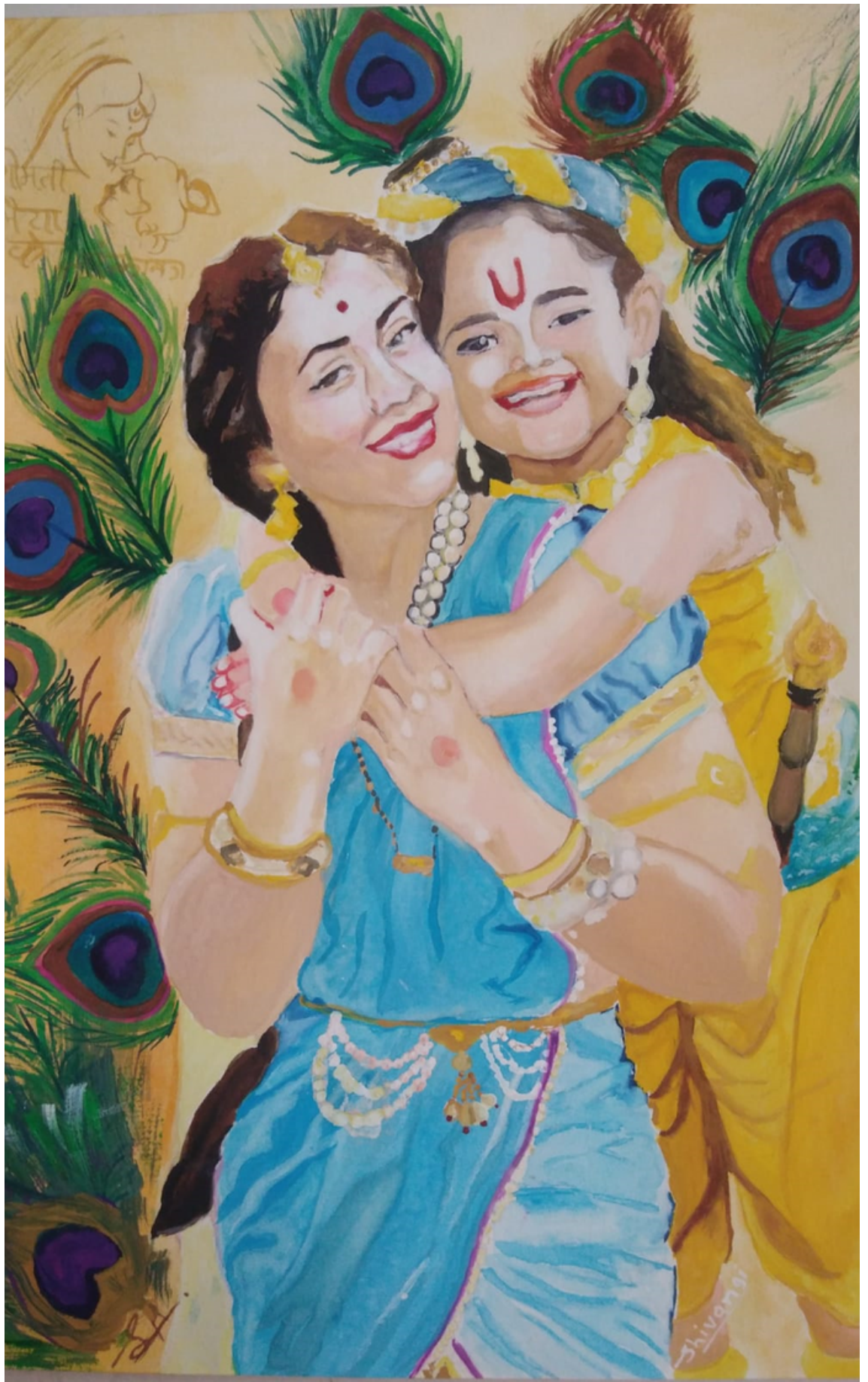
Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student
1	216310307026	PRAJAPATI SHAILESH MAHADEVBHAJ	9.38	FIRST
2	216310307115	PRAJAPATI KAVYKUMAR KANUBHAI	9.24	SECOND
3	216310307044	HUSAIN MEMON	9.19	THIRD

Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student
1	206310307095	VYAS VISHVA PRAFULCHAND RA	10	FIRST
2	206310307094	THAKKAR AAYUSHI MANOJKUMAR	10	SECOND
3	206310307089	DARJI PRINCE KANUBHAI	10	THIRD

Result Analysis Summer-2023

Sr. No.	Semester	No. of Students Appeared in Exam.	No. of Students Passed in Exam.	No. of Students Failed in Exam.	Result in %
1	2nd	196	77	119	39.29
2	4th	133	75	58	56.39
3	6th	120	105	15	87.50





Brambhatt Shivangi Parixitkumar, a first-semester student (236310307011), has crafted a captivating religious sketch that exemplifies artistic brilliance.



Team Prawah

Teacher Editor

Dr.B.I.Saini

Mr.K.M.Madhu

Mr.N.A.Patel

Mr.K.D.Prajapati

Student Editor

Mevada Janvi S. (Semester-5)

Darji Rivanshi K(Semester-5)

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