



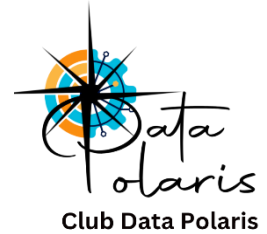
R. C. PATEL
INSTITUTE OF TECHNOLOGY
An Autonomous Institute

Department of Computer Science & Engineering
(Data Science)

Prof. Dr. Ujwala M. Patil
Head of Department

Prof. Dr. J. B. Patil
Director

Club Data Polaris



1. Constitution of Data Polaris Club

The Data Polaris Club was constituted under the Department of Computer Science and Engineering (Data Science) with the aim of creating a vibrant platform where students can explore, learn, and excel in the rapidly evolving domains of Data Science, Artificial Intelligence, and Machine Learning. The club serves as a bridge between classroom learning and real-world applications by encouraging students to participate in technical activities, collaborative projects, workshops, seminars, hackathons, coding competitions, and industry interactions.

The name "**Data Polaris**" is inspired by **Polaris, the North Star**, which has long been recognized as a symbol of guidance, stability, and direction. Similarly, the club strives to guide students throughout their academic journey by providing opportunities to develop technical expertise, analytical thinking, leadership qualities, and teamwork. The club is built on the core values of **Excellence, Collaboration, Innovation, and Inclusivity**. It believes that the best solutions emerge when individuals from diverse backgrounds work together, exchange ideas, and support one another. By promoting an inclusive and growth-oriented environment, Data Polaris empowers students to become confident professionals who are well-equipped to address the challenges of the modern technology landscape.

Vision

To become a center of excellence that nurtures future-ready professionals by fostering innovation, collaboration, and continuous learning in Data Science and Artificial Intelligence, empowering students to make meaningful contributions to society and the technology .

2. Club Coordinator



Prof. Ashish K. Patil

The **Data Polaris Club** is coordinated under the guidance of **Prof. Ashish K. Patil**, whose continuous support and mentorship have been instrumental in the club's growth and success. As the **Club Coordinator**, he provides strategic direction, encourages innovation, and ensures that the club's activities align with the academic objectives of the Department of Computer Science and Engineering (Data Science).

3. Club Inauguration

Date: 08 December 2022

Venue: Auditorium Hall, R. C. Patel Institute of Technology (RCPIT), Shirpur

The **Data Polaris Club** was officially inaugurated on **08 December 2022** at the Auditorium Hall of R. C. Patel Institute of Technology (RCPIT). The inauguration marked the beginning of a student-driven initiative dedicated to promoting knowledge, innovation, and practical learning in the fields of **Data Science, Artificial Intelligence, and Machine Learning**.

To commemorate the launch of the club, **Data Polaris** organized the **Machine Learning Championship** in collaboration with **MachineHack** and **Analytics India Magazine (AIM)**. The championship provided students with an excellent opportunity to apply their machine learning skills to real-world challenges while competing with participants from diverse backgrounds. The event encouraged analytical thinking, problem-solving, and hands-on experience with data-driven technologies.

The successful inauguration laid a strong foundation for the club's future activities and reflected its commitment to fostering technical excellence, innovation, and continuous learning among students.



4. Club Members and Responsibilities

Sr. No.	Name of the Student	Post	Class
1	Bhalkar Vishal Shantilal	Club Head	BTECH CSE (DS)
2	Patil Harshita Radheshyam	Co-Head	BTECH CSE (DS)
3	Patil Deven Kailas	Member	BTECH CSE (DS)
4	Jain Khushal Narendra	Member	BTECH CSE (DS)
5	Chaudhari Tejas Vijay	Member	BTECH CSE (DS)
6	Bhartiya Uday Dineshkumar	Member	BTECH CSE (DS)
7	Patil Sarthak Milan	Member	TY CSE (DS)
8	Borase Vaishnavi Sunil	Member	TY CSE (DS)
9	Borse Rashmi Nandkumar	Member	TY CSE (DS)
10	Desale Jagruti Prashant	Member	TY CSE (DS)
11	Dhangar Rituja Ravindra	Member	TY CSE (DS)
12	Bari Sakshi Anand	Member	TY CSE (DS)
13	Shinde Akash Narendra	Member	TY CSE (DS)
14	Rajput Rohit Kevalsing	Member	TY AIML
15	Patil Nayan	Member	TY AIML
16	Patil Kalesh Uttam	Member	TY AIML
17	Mahirrao Paresh Sunil	Member	SY CSE (DS)
18	Salunkhe Nirbhay Laxman	Member	SY CSE (DS)
19	Pawar Pranil Sanjay	Member	SY CSE (DS)
20	Nikum Parag Krishna	Member	SY AIML

21	Jadhav Sayali Bharat	Member	SY AIML
22	Pinjari Ashna Akbar	Member	SY AIML
23	Patil Nilesh Bhila	Member	SY AIML
24	Rajput Digvijaysing Devendra	Member	SY AIML
25	Badgujar Tanisha	Member	SY AIML
26	Balapure Anand Sunil	Member	SY AIML
27	Sutar Pranav Kishor	Member	SY AIML
28	Mitesh Santosh Chaudhari	Member	TY Computer
29	Lokesh Sachin Chaudhari	Member	SY Computer

5. Events Organized by Data Polaris Club

5.1 Machine Learning Model Deployment Session

Date: 09 November 2024

Venue: Computer Centre, R. C. Patel Institute of Technology, Shirpur

Under the Guidance of: Dr. U. M. Patil (HOD) and Prof. A. K. Patil

Objective

To provide students with practical knowledge of developing, deploying, and integrating Machine Learning models into web applications using Flask.

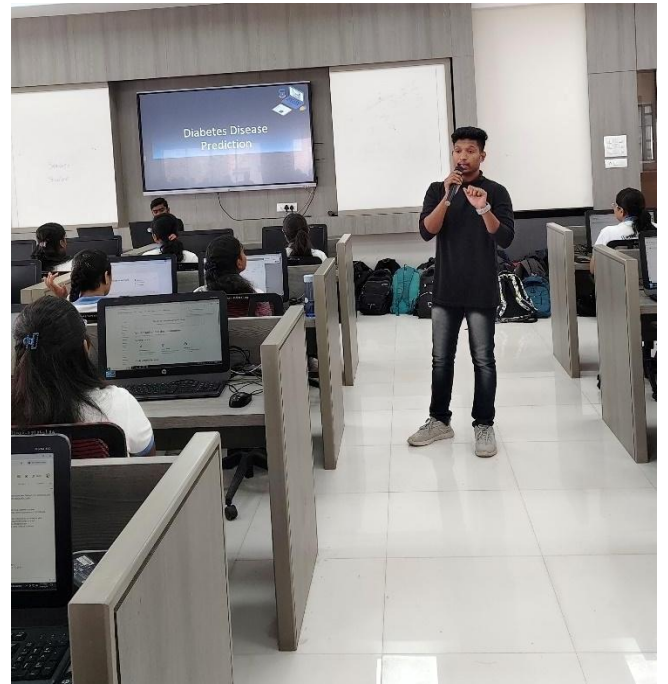
About the Event

The session introduced students to the fundamentals of Machine Learning, model training, evaluation, and deployment. Participants learned how to train machine learning models using real-world datasets, save trained models using Python's Pickle library, and deploy them through Flask-based web applications. Hands-on demonstrations included Diabetes Prediction and Heart Disease Prediction projects, enabling students to understand the complete ML deployment workflow.

Outcome

The session enhanced students' understanding of the complete Machine Learning deployment pipeline and provided valuable hands-on experience in building real-world AI applications using Flask, preparing them for internships, projects, and industry requirements.





Shirpur, Maharashtra, India
9v6h+rf9, Swami Vivekanand Nagar, Shirpur, Shirpur-warwade,
Maharashtra 425405, India
Lat 21.362654° Long 74.878963°
09/11/24 11:06 AM GMT +05:30

5.2 AI Tools Training Session for Shirpur-Varwade Nagar Parishad Employees

Date: 08 April 2025

Venue: Computer Centre, R. C. Patel Institute of Technology, Shirpur

Organized By: Club Data Polaris, Department of CSE (Data Science)

Objective

To enhance the digital skills of Shirpur-Varwade Nagar Parishad employees by introducing them to modern Artificial Intelligence tools for improving productivity, documentation, communication, and day-to-day administrative work.

About the Event

Club Data Polaris organized a hands-on training session on Artificial Intelligence Tools for the employees of Shirpur-Varwade Nagar Parishad. The session focused on demonstrating the practical use of AI-powered applications, including ChatGPT, Google Gemini, Google Docs, Google Sheets (Excel), and Canva. Participants learned how these tools can be used to generate documents, analyze and organize data, prepare presentations, create professional designs, and automate routine office tasks.

Outcome

The session successfully familiarized Nagar Parishad employees with AI-powered productivity tools, enabling them to improve efficiency, automate routine tasks, and enhance the quality of documentation and communication in their daily administrative work.





5.3 Squid Maze

Date: 27–28 February 2025

Venue: RCPIT Campus

Objective

Squid Maze aimed to combine entertainment with technology by evaluating students' teamwork, coding ability, debugging skills, creativity, and logical reasoning through a multi-stage technical competition.

About the Event

Inspired by the globally popular **Squid Game** series, the event was conducted in collaboration with **SkillBhavan** during **Converges 2K25**. Participants progressed through three rounds that included fun physical challenges, programming-based problem-solving, AI-assisted coding tasks, and debugging competitions. The event blended recreational activities with technical assessments, creating an engaging learning environment.

Outcome

Squid Maze received an overwhelming response and successfully encouraged students to develop technical expertise while enjoying collaborative and competitive learning experiences.



