

DEPARTMENTAL CLUB · DATA SCIENCE & ANALYTICS

DATAMINDS

P W C · D S · C L U B

*“Empowering Every Student with the Language of Data”*

ABOUT THE CLUB

What is DATAMINDS?

DATAMINDS is the official Data Science Club of the Department of Data Science & Analytics, Patna Women's College (Autonomous). It is an open, student-led platform welcoming all students of the college — regardless of department or prior technical experience.

Our Vision

To make Patna Women's College a hub of data-driven thinking — where every student, irrespective of discipline, is empowered to understand and leverage data for meaningful impact.

Our Mission

Build a college-wide culture of data literacy, provide hands-on exposure to data science tools and real-world datasets, and connect students with industry and research opportunities.

Who Can Join?

Any student from any department — Arts, Commerce, Science, or Management. No technical background required. Structured learning tracks are tailored for every level.

Beyond the Classroom

From Kaggle competitions and hackathons to guest lectures and research projects, DATAMINDS bridges academic learning with real-world industry skills and portfolio building.

KEY OBJECTIVES

What We Stand For

Seven core objectives guide everything DATAMINDS does — from designing workshops to organising competitions.

No.	Area	Objective
01	Data Literacy	Promote hands-on learning and data-driven problem solving across all disciplines.
02	Technical Skills	Build proficiency in Python, R, SQL, Hadoop, and modern data visualisation tools.
03	Emerging Tech	Provide exposure to AI, machine learning, and cloud computing concepts.
04	Collaboration	Encourage collaboration and peer learning among students across departments.
05	Industry Connect	Link students to real-world opportunities through guest sessions and internship referrals.
06	Kaggle & Portfolio	Participate in Kaggle competitions to build practical, portfolio-worthy data science skills.
07	Responsible DS	Promote ethical data practices, privacy awareness, and responsible AI principles.

LEARNING TRACKS

Three Pathways, One Club

Structured tracks ensure every student — from a first-year Arts student to a final-year Computer Science student — finds a meaningful place in DATAMINDS.

Track	Level	Ideal For	Tools & Topics	Outcome
🔍 Explorer	Beginner	Arts, Commerce & Humanities; First-year students of any department	Google Sheets, Tableau Public, Power BI, basic statistics	Confident data literacy; read and question data in everyday life
🔍 Analyst	Intermediate	Science & Commerce students; Second & Third-year learners	Python, R, SQL, EDA, Matplotlib, Seaborn, Kaggle datasets	Kaggle profile, EDA notebooks, visualisation portfolio
🔍 Scientist	Advanced	CS, IT & Mathematics students; Final-year and research-oriented students	Machine learning, Kaggle competitions, capstone projects, research methods	Published notebook/paper, competition medals, internship readiness

ANNUAL CALENDAR

A Year of Learning & Competition

A rich year-round calendar combining workshops, **Kaggle-based competitions** and our flagship **annual DATATHON**.

Month	Activity	Format	Track
Jul	Club Inauguration & Orientation Drive	Open session	All
Aug	Data Literacy Bootcamp — 3-Day Workshop	Workshop	Explorer
Sep	Kaggle Getting Started — Titanic & House Prices Challenge	Kaggle competition	Explorer
Oct	★DATATHON — Annual Inter-College Data Competition	Flagship event, team-based	All
Nov	Kaggle Playground Series — Monthly Competition Sprint	Kaggle competition	Analyst
Nov	Guest Lecture & Career Orientation Session	Expert talk + Q&A	All
Dec	Data Viz Showcase — Kaggle Notebook Exhibition	Visual storytelling	Analyst
Jan	Kaggle Feature Engineering & EDA Workshop	Hands-on lab	Analyst
Feb	Kaggle Team Challenge — Social Impact Hackathon	Team-based, competitive	Analyst+
Mar	Student-led Talks & Kaggle Profile Review	Seminar + portfolio review	All
Apr	Annual Project Showcase & Awards Ceremony	Capstone + celebration	All

Why Join DATAMINDS? — What You Gain

📌 Skill Enhancement Practical training in Python, R, SQL, and modern data visualisation tools.	📌 Industry Readiness Real-world case studies and tools aligned with industry expectations.	📌 Research Orientation Mini-research projects on Census 2011, agricultural & civic datasets.
📌 Competition Profile Build a Kaggle profile with medals, notebooks, and competition history.	📌 Leadership & Teamwork Event planning, peer mentoring, and cross-department collaboration.	📌 Interdisciplinary Learning Data science applied to Economics, Public Health, Agriculture, and more.

LEADERSHIP

Faculty Coordinator

P

Dr. Priyadarshini

Head, Department of Data Science and Analytics
Patna Women's College (Autonomous), Patna University

Faculty
Coordinator

Join DATAMINDS Today

Open to all students of Patna Women's College — no prior experience required.

✉ **Email:** dsclubpwc@gmail.com

📍 **Visit:** Department of Data Science & Analytics, Patna Women's College