TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC GRADE "A" INSTITUTE (CYCLE-2)

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INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085

Ref. No. TIAS/DICT/DS CLUB/2026-27/01 **Date: 18.06.26**

DEPARTMENT OF INFORMATION, COMMUNICATION & TECHNOLOGY

DATA SCIENCE DOMAIN CLUB

Calendar 2026-27

COMMENCEMENT OF ODD SEMESTER 2026-27

S. No.	Date	Activity	Learning Objectives	Course Mapping	Year	CO	BTL	OBE Values	Mulya Pravah	UNSDG Goals	Expected Outcome
1	08-Aug-26	Orientation on Data Science & Analytics	Understand the Data Science ecosystem, applications and career opportunities	**BCA 105,BCA 201,BCA 301,MCA 107**	BCA 1ST Year, BCA 2nd & BCA 3rd Year MCA 1ST Year	CO1	BTL-2 (Understand)	Knowledge	Belongingness	SDG 4, SDG 9	Awareness of Data Science domain and career pathways

2	22-Aug-26	Workshop on Advance Excel	Apply advanced Excel functions, data cleaning, Pivot Tables, and visualization techniques for data analysis.	**BCA 105, MCA 107**	BCA 1ST Year, MCA 1ST Year	CO2	BTL-3 (Apply)	Analytical Skills	Commitment	SDG 9	Students effectively analyze datasets and prepare interactive Excel reports.
3	29-Aug-26	Workshop on Python	Develop Python programming skills for data manipulation, visualization, and problem-solving.	**BCA 201**	BCA 2nd Year, MCA 1ST Year	CO2	BTL-3 (Apply)	Technical Competence	Dedication	SDG 4	Students acquire practical programming skills for data analytics.
4	12-Sep-26	Workshop on Power BI	Design interactive dashboards and business intelligence reports using Power BI.	**BCA 301, MCA 107**	BCA 3rd Year, MCA 1ST Year	CO3	BTL-3 (Apply)	Technical Competence	Integrity	SDG 9	Students create professional dashboards for business decision-making.
5	19-Sep-26	Seminar on Data Science	Explore recent trends, research areas, and real-world applications of Data Science.	**BCA 105, MCA 107**	BCA 1ST Year, MCA 1ST Year	CO1	BTL-2 (Understand)	Innovation	Excellence	SDG 4, SDG 9	Students understand current advancements and opportunities in Data Science.
6	26-Sep-26	Seminar on Predictive Analytics	Understand predictive analytics techniques and machine learning applications.	**BCA 201, MCA 107**	BCA 2nd Year, MCA 1ST Year	CO3	BTL-4 (Analyze)	Problem Solving	Accountability	SDG 9	Students understand predictive modeling concepts and their business applications.

7	03-Oct-26	Seminar on Dashboard Analytics	Understand predictive analytics techniques and machine learning applications.	**BCA 301, MCA 107**	BCA 3rd Year, MCA 1ST Year	CO3	BTL-4 (Analyze)	Problem Solving	Accountability	SDG 9	Students understand predictive modeling concepts and their business applications.
8	17-Oct-26	Excel Expert	Assess understanding Excel	**BCA 105, MCA 107**	BCA 1ST Year, MCA 1ST Year	CO2	CO1, CO2	BTL-4 (Analyze)	Knowledge	Trusteeship	Improved problem-solving and analytical thinking skills.
9	31-Oct-26	Python Challenge	Evaluate knowledge of Python programming,.	**BCA 201, MCA 107**	BCA 2nd Year, MCA 1ST Year	CO2	BTL-4 (Analyze)	Research Orientation	Commitment	SDG 9	Improved problem-solving and analytical thinking skills.
10	14-Nov-26	Data Science Innovation Challenge	Assess practical understanding of Power BI dashboards and business intelligence concepts.	**BCA 301 ,MCA 107**	BCA 3rd Year, MCA 1ST Year	CO3	BTL-5 (Evaluate)	Innovation	Excellence	SDG 9	Students demonstrate competency in BI tools and dashboard interpretation.
SEMESTER END ON 4-12-2026											
COMMENCEMENT OF EVEN SEMESTER 2026-27											
11	30-Jan-27	Workshop on Data Science Career & Research Opportunities Session	Understand research opportunities and career pathways in Data Science	**BCA 212,MCA 108**	BCA 1ST Year, MCA 1ST Year	CO1	BTL-2 (Understand)	Knowledge	Belongingness	SDG 4, SDG 9	Students identify future career paths and research opportunities.

12	06-Feb-27	Python for Data Analytics Workshop	Apply Python programming for data analysis and preprocessing	**BCA 212,MCA 108**	BCA 2nd Year, MCA 1ST Year	CO2	BTL-3 (Apply)	Technical Skills	Commitment	SDG 4	Students gain hands-on experience in Python-based data analytics.
13	20-Feb-27	Workshop Dashboard Design using Power BI / Tableau	Design interactive dashboards for decision making	**BCA 312, BCA 314, MCA 108**	BCA 3rd Year, MCA 1ST Year	CO3	BTL-3 (Apply)	Analytical Skills	Dedication	SDG 9	Students design industry-standard dashboards for data-driven decisions.
14	27-Feb-27	Seminar on Statistical Modelling & Forecasting Workshop	Learn statistical models for prediction and forecasting	**BCA 212,MCA 108**	BCA 1ST Year, MCA 1ST Year	CO2	BTL-4 (Analyze)	Analytical Thinking	Commitment	SDG 4	Students learn statistical methods for prediction and analysis.
15	13-Mar-27	Seminar on SQL for Business Intelligence Competition	Develop SQL-based business intelligence solutions	**BCA 212,MCA 108**	BCA 2nd Year, MCA 1ST Year	CO3	BTL-3 (Apply)	Technical Competence	Integrity	SDG 9	Students strengthen SQL querying and reporting skills.
16	10-Apr-27	Seminar on Business Intelligence & Marketing Analytics Seminar	Understand marketing metrics and business intelligence concepts	**BCA 312, BCA 314, MCA 108**	BCA 3rd Year, MCA 1ST Year	CO2	BTL-2 (Understand)	Business Awareness	Responsibility	SDG 8, SDG 9	Students understand the application of analytics in business strategy.

17	01-May-27	Data Science Project Expo & Research Poster Presentation	Analyze financial datasets for business decisions	**BCA 212,MCA 108**	BCA 1ST Year, MCA 1ST Year	CO4	BTL-6 (Create)	Research, Innovation, Teamwork	Global Citizenship	SDG 4, SDG 9, SDG 17	Confidence in presenting Data Science projects and research outcomes
18	08-May-27	Dashboard Design Competition	Apply analytical approaches for organizational decision making	**BCA 212,MCA 108**	BCA 2nd Year, MCA 1ST Year	CO3	BTL-5 (Evaluate)	Innovation	Excellence	SDG 9	Improved data-driven decision making
19	15-May-27	Big Data Analytics Competition	Develop predictive models using real-world datasets	**BCA 312, BCA 314, MCA 108**	BCA 3rd Year, MCA 1ST Year	CO3	BTL-5 (Evaluate)	Innovation	Excellence	SDG 9	Improved data-driven decision making
SEMESTER END ON 21-05-2027											

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