Counselling Schedules for Academic year 2025-2026

School of Computer Science

UGP04: B.Sc. Data Science [2025 Pattern]

SN	Name of Programme	Programme Code	Level of Programme	Modes employed by the institution to provide academic counseling services for theory courses	Modes employed by the institution to provide academic counseling services for Practical/ Project courses	Year	Semester
1	Bachelor of Science (Data Science) [2025 Pattern]	UGP04	UG	1. Face to Face Counselling 2. Online Counselling 3. Recorded Video Lectures 4. Printed and Digital Self Learning Material (SLM) 5. Interactive Discussion Forums 6. WhatsApp group and email counselling support 7. Learning Management System 8. Workshops/ Seminars and Revision Sessions	1. Face to Face Laboratory sessions 2. Demonstration Based Learning 3. Online Practical Counseling 4. Recorded Practical Counseling 5. Lab Manuals and Project Guidelines 6. Case Studies 7. Field Study / Industry exposure **8.** Mentor Guided Project Supervision	First	I & II

Note:

- Each counselling session and practical session is conducted for a duration of two hours, ensuring adequate academic engagement and interaction.
- The University centrally prepares the counselling and laboratory schedules by specifying the topics to be covered and the corresponding months of delivery, thereby maintaining uniform academic standards across all Study Centres.
- The University develops and provides Self-Learning Materials (SLM) designed in a learner-centric format. These materials serve as the primary academic resource and support independent study alongside counselling sessions.
- Learner Support Centres (LSC's) are granted operational flexibility to schedule the day and time of counselling and laboratory sessions in consultation with learners, based on local convenience. Accordingly, some Learner Support Centres conduct sessions on weekdays, while others organize them on weekends.
- Audio-visual learning resources developed by the University are hosted on the official University YouTube channel. Learners are provided the flexibility to access these resources for self-paced learning and revision.
- Learner Support Centres and counsellors integrate appropriate web-based educational resources into counselling sessions to enrich the learning experience whenever necessary.
- Learners are encouraged to undertake guided self-study using SLM, digital resources, textbooks, and reference materials recommended by counsellors and Study Centres.

B.Sc. (Hons) (Data Science) (2025 pattern) [UGP04]

Course Code	Category	Course Name	Theory/ Practical /Project	Contact (HRS)	Credit Points	Assessment Type	Passing Marks
Semester1							
DSCC101	Major	Python for Data Science	Theory	60	4	CA(12/30) + EE(28/70)	40/100
DSCC102	Major	Lab: Python for Data Science	Practical	15	2	CA(10/25) + EE(10/25)	20/50
	OE	Choose from OE list (Appendix F)					
	OE	Choose from OE list (Appendix F)					
DSCV101	VSC	Advance Excel	Practical	15	2	CA(10/25) + EE(10/25)	20/50
DSCS101	SEC	Fundamentals of Programming	Practical	15	2	CA(10/25) + EE(10/25)	20/50
AECL101	AEC	Listening and Speaking Skills	Theory	30	2	CA(6/15) + EE(14/35)	20/50
VECD101	VEC	Introduction to Constitution of India	Theory	30	2	CA(6/15) + EE(14/35)	20/50
IKSK104	IKS	भारतीय ज्ञान परंपरेच्या अनुशंगाने विज्ञान व तंत्रज्ञान	Theory	30	2	CA(6/15) + EE(14/35)	20/50
	CC	Choose from CC list (Appendix G)					
					22	Total	220/550
Semester 2							
DSCC103	Major	Foundation of Statistics	Theory	60	4	CA(12/30) + EE(28/70)	40/100
DSCC104	Major	Lab: Foundation of Statistics	Practical	15	2	CA(10/25) + EE(10/25)	20/50
IOTM101	Minor	Fundamentals of IoT	Theory	30	2	CA(6/15) + EE(14/35)	20/50
	OE	Choose from OE list (Appendix F)					
	OE	Choose from OE list (Appendix F)					
DSCS102	SEC	Digital Marketing	Practical	15	2	CA(10/25) + EE(10/25)	20/50
DSCV102	VSC	Web Technology	Practical	15	2	CA(10/25) + EE(10/25)	20/50
AECL102	AEC	Reading and Writing Skills	Theory	30	2	CA(6/15) + EE(14/35)	20/50
VECD102	VEC	Environmental Studies	Theory	30	2	CA(6/15) + EE(14/35)	20/50
	CC	Choose from CC list (Appendix G)					
					22	Total	220/550
Award of UG Certificate in the Faculty of Computer Science – Data Science (Level 4.5) with 44 credits and an additional 4 credits core NSQF course/Internship OR Continue with Major and Minor							

Semester 3							
DSCC201	**Major**	**Database Management System**	**Theory**	**60**	**4**	**CA(12/30) + EE(28/70)**	**40/100**
DSCC202	**Major**	**Vedic Mathematics**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
DSCC203	**Major**	**Design and Analysis of Algorithms**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
IOTM201	**Minor**	**IoT Hardware and Software**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
IOTM202	**Minor**	**Lab: Microcontrollers**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
	OE	**Choose from OE list (Appendix F)**					
DSCV201	**VSC**	**Lab: DBMS**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
AECL201	**AEC**	श्रवण आणि संभाषण कौशल्ये	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
DSCF201	**FP**	**Mini Project**	**Practical**	**15**	**2**	**CA(20/50)**	**20/50**
	CC	**Choose from CC list (Appendix G)**					
					22	**Total**	**220/550**
Semester 4							
DSCC204	**Major**	**Mathematics for Data Science**	**Theory**	**60**	**4**	**CA(12/30) + EE(28/70)**	**40/100**
DSCC205	**Major**	**Data Visualization & Modelling**	**Theory**	**60**	**4**	**CA(12/30) + EE(28/70)**	**40/100**
IOTM203	**Minor**	**Networking and Connectivity**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
IOTM204	**Minor**	**Lab: IoT Network**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
	OE	**Choose from OE list (Appendix F)**					
DSCS201	**SEC**	**Lab: Data Visualization**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
AECL202	**AEC**	वाचन आणि लेखन कौशल्ये	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
DSCG201	**CEP**	**Community Engagement Programme**	**Practical**	**15**	**2**	**CA(20/50)**	**20/50**
	CC	**Choose from CC list (Appendix G)**					
					22	**Total**	**220/550**
Award of UG Diploma in the Faculty of Computer Science - Data Science (Level 5.0) with 88 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor							
Semester 5							
DSCC301	**Major**	**Artificial Intelligence**	**Theory**	**60**	**4**	**CA(12/30) + EE(28/70)**	**40/100**
DSCC302	**Major**	**Machine Learning & Deep Learning Algorithms**	**Theory**	**60**	**4**	**CA(12/30) + EE(28/70)**	**40/100**
DSCC303	**Major**	**Lab: Machine Learning and Deep Learning**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
IOTM301	**Minor**	**IoT Data Management and Analytics**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
IOTM302	**Minor**	**Lab: IoT Data Management**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**

DSCV301	**VSC**	**R Programming**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
DSCF301	**FP**	**Field Project**	**Practical**	**15**	**2**	**CA(20/50)**	**20/50**
Elective Course Select Any one (DSCC304 & DSCC305) OR (DSCC306 & DSCC307)							
DSCC304	**Major (Elective)**	**Software Engineering**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
DSCC305		**Lab: Software Engineering**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
OR							
DSCC306	**Major (Elective)**	**Game Development (Pygame)**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
DSCC307		**Lab: Game Development (Pygame)**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
					22	**Total**	**220/550**
Semester 6							
DSCC308	**Major**	**Big Data Analytics**	**Theory**	**60**	**4**	**CA(12/30) + EE(28/70)**	**40/100**
DSCC309	**Major**	**Cloud Computing**	**Theory**	**60**	**4**	**CA(12/30) + EE(28/70)**	**40/100**
DSCC310	**Major**	**Lab: Big Data Analytics**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
IOTM303	**Minor**	**Industrial IoT**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
IOTM304	**Minor**	**IoT Project**	**Project**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
DSCO301	**OJT**	**OJT Project**	**Project**	**30**	**4**	**CA(20/50) + EE(20/50)**	**40/100**
Elective Course Select Any one (DSCC311 & DSCC312) OR (DSCC313 & DSCC314)							
DSCC311	**Major (Elective)**	**Business Analytics**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
DSCC312		**Lab: Business Analytics**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
OR							
DSCC313	**Major (Elective)**	**Core Java**	**Theory**	**30**	**2**	**CA(6/15) + EE(14/35)**	**20/50**
DSCC314		**Lab: Core Java**	**Practical**	**15**	**2**	**CA(10/25) + EE(10/25)**	**20/50**
					22	**Total**	**220/550**

Note: For CC (Co-curricular Courses) Learner will select options of his/her choice from Health and Wellness; Yoga; Sprots and Fitness; Cultural Activities; Fine Arts; Applied Arts; Visual Arts; Performing Arts; NSS; NCC. For more details refer Appendix G.

SUBJECT : Counselling Schedules for Academic year 2025-2026

School of Computer Science

UGP04_B.Sc. Data Science

Semester I:

Monday to Friday (Theory Counselling Sessions):

Time Slot	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 AM – 10:00 AM	DSCC101: Python for Data Science	AECL101: Listening & Speaking Skills	DSCC101: Python for Data Science	VECD101: Constitution of India	IKSK104: Indian Knowledge System
10:00 AM – 11:00 AM	VECD101: Constitution of India	DSCC101: Python for Data Science	IKSK104: Indian Knowledge System	AECL101: Listening & Speaking Skills	DSCC101: Python for Data Science
11:00 AM – 12:00 PM	OE (Theory)	OE (Theory)	DSCC101: Python for Data Science	OE (Theory)	DSCC101: Python for Data Science

Saturday & Sunday (Lab Sessions and Tests):

Time Slot	Saturday	Sunday
9:00 AM – 11:00 AM	DSCC102: Lab – Python for Data Science	DSCV101: Advanced Excel (Lab)
11:30 AM – 1:30 PM	DSCS101: Fundamentals of Programming (Lab)	Weekly Test / Practical Evaluation

Weekly Test Courses (B.Sc. Data Science – Semester I):

Course Code	Course Title
DSCC101	Python for Data Science
AECL101	Listening and Speaking Skills
VECD101	Introduction to Constitution of India
IKSK104	Indian Knowledge System
OE	Open Elective - I
OE	Open Elective - II

Semester II:

Monday to Friday (Theory Counselling Sessions):

Time Slot	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 AM – 10:00 AM	DSCC103: Foundation of Statistics	AECL102: Reading & Writing Skills	DSCC103: Foundation of Statistics	VECD102: Environmental Studies	IOTM101: Fundamentals of IoT
10:00 AM – 11:00 AM	VECD102: Environmental Studies	DSCC103: Foundation of Statistics	IOTM101: Fundamentals of IoT	AECL102: Reading & Writing Skills	DSCC103: Foundation of Statistics
11:00 AM – 12:00 PM	OE (Theory)	OE (Theory)	DSCC103: Foundation of Statistics	OE (Theory)	DSCC103: Foundation of Statistics

Saturday & Sunday (Lab Sessions and Tests):

Time Slot	Saturday	Sunday
9:00 AM – 11:00 AM	DSCC104: Lab – Foundation of Statistics	DSCV102: Web Technology (Lab)
11:30 AM – 1:30 PM	DSCS102: Digital Marketing (Lab)	Weekly Test / Practical Evaluation

Weekly Test Courses (B.Sc. Data Science – Semester II):

Course Code	Course Title
DSCC103	**Foundation of Statistics**
IOTM101	**Fundamentals of IoT**
AECL102	**Reading and Writing Skills**
VECD102	**Environmental Studies**
OE	**Open Elective - I**
OE	**Open Elective - II**