

PARUL UNIVERSITY

R/Notification-1406/2024-25

Office of the Registrar
December 17, 2024

NOTIFICATION

Sub: Syllabus of Minor Subjects to be offered to students of BCA (Hons.) and B.Sc.IT (Hons.) Degree programmes

Ref: (i) Proceedings of the Eighteenth Meeting of the Governing Body held on December 2, 2024

(ii) Orders of the Provost

PREAMBLE:

Dean, Faculty of IT and CS proposed syllabus of Minor Subjects to be offered to students of BCA (Hons.) and B.Sc.IT (Hons.) Degree programmes during the Eighteenth Meeting of the Governing Body held on December 2, 2024 which was approved by the Governing Body. Hence, the Order.

ORDER:

The following Minor Subjects shall be offered to students of BCA (Hons.) and B.Sc.IT (Hons.) Degree programmes

List of Subjects for Minor: Cybersecurity and Forensic

Sr. No.	Sem	Subject Title	Credit(s)
1	1	Basics of Cyber Security and Forensic (Theory)	4
2	1	Advanced Cyber Security and Forensic (Theory)	4
3	4	Foundations of Cybersecurity and Information Assurance (Theory)	3
4	4	Foundations of Cybersecurity and Information Assurance (Practical)	1
5	5	Cyber Threat Intelligence and Analysis (Theory)	3
6	5	Cyber Threat Intelligence and Analysis (Practical)	1
7	5	Cyber Security in Mobile, Cloud, and IoT (Theory)	3
8	5	Cyber Security in Mobile, Cloud, and IoT (Practical)	1
9	6	Fundamentals of Cyber Forensics (Theory)	3

10	6	Fundamentals of Cyber Forensics (Practical)	1
11	7	Advanced Cyber Investigations and Social Engineering (Theory)	3
12	7	Advanced Cyber Investigations and Social Engineering (Practical)	1
13	8	Advanced Cyber Forensics Investigations (Theory)	3
14	8	Advanced Cyber Forensics Investigations (Practical)	1

List of Subjects for Minor: Artificial Intelligence and Machine Learning

Sr. No.	Sem	Subject Title	Credit(s)
1	1	Artificial Intelligence and Machine Learning - I (Theory)	3
2	1	Artificial Intelligence and Machine Learning-I (Practical)	1
3	2	Artificial Intelligence and Machine Learning-II (Theory)	3
4	2	Artificial Intelligence and Machine Learning-II (Practical)	1
5	4	Data Science and Analytics (Theory)	3
6	4	Data Science and Analytics (Practical)	1
7	5	Computer Vision Using OPENCV (Theory)	3
8	5	Computer Vision Using OPENCV (Practical)	1
9	5	Deep Learning and Neural Network (Theory)	3
10	5	Deep Learning and Neural Network (Practical)	1
11	6	Introduction to Data Science and Analytics (Theory)	3
12	6	Introduction to Data Science and Analytics (Practical)	1

13	7	Advanced Image Processing using Python (Theory)	3
14	7	Advanced Image Processing using Python (Practical)	1
15	8	Text Analytics(Theory)	3
16	8	Text Analytics (Practical)	1

Dean, FIT & CS is requested to arrange to upload syllabus of Minor Subjects to be offered to students of BCA (Hons.) and B.Sc.IT (Hons.) Degree programmes on MIS.

By Order


Registrar

To,

Dean, Faculty of IT & CS and Principal, PICA

Copy to,

- 1) The Controller of Examinations
- 2) Director (IQAC)
- 3) PUMIS Coordinator

Submitted to,

- 1) The President
- 2) The Provost