

Syllabus

<u>SEMESTER</u>	<u>LINK</u>
2 nd Semester	https://drive.google.com/file/d/1HYJX-uGKWT3Waa5F5pdUzqseA6qarfdH/view?usp=drive_link
3 rd Semester	https://drive.google.com/file/d/1O-hwC5rBi5X4Sjxg1LMjOpIBeYsRR9fU/view?usp=drive_link
6 th Semester	https://drive.google.com/file/d/1_8zOrWikLrutrDYdUj7Q-U1syz_rKFjH/view?usp=drive_link

Question Pattern

Full Marks	Credit	Question Type	Questions to Attempt	Marks per Questions	Marks	Question Option
70 (Theory)	3	Short	5 question	2	5X2=10	8
		Long	6 question	10 (Maximum marks of One question is 5)	6X10=60	9
30 (Practical)	4	Long	1 question from group	15	15X2=30	Gr:-A:8 Gr:- B:8
30 (Theory)	3	Short	5 question	2	5X2=10	8
		Medium	2 question	5	2X3=10	4
		Long	1 question	10 (Maximum marks of One question is 5)	1X10=10	2

Sec & Vac Courses

SEMESTER	Sec	Vac
2 nd	Web Technologies	Indian Constitution
3 rd	PYTHON (Practical)	

BOS MEETING INFORMATION

Duration	Date	Major Issue
01 hours	24.04.2024	<ul style="list-style-type: none">➤ Syllabus Structured and detailed syllabus The Chairman's widened all esteemed members of BoS into the first meeting held on 24-04-24 Members discussed various aspects of the BCA (UG Honours) Syllabus The Syllabus of First Year Consisting of two Semesters were prepared. Bath Structure and detailed Syllabus has been designed by the members and the same was unanimously accepted by all members.➤ The members unanimously suggested to organize value added and Skill development courses to be conducted by the department.
01 hours	28.09.2024	<p>Selection of paper setter for semester-I UG (NEP)</p> <ul style="list-style-type: none">➤ The committee prepared the paper setter of all courses of semester I BCA (Attached as Annexure I).➤ Selection of Moderators for 1st Semester UG (NEP)➤ The Moderators (Board of Moderators) are selected unanimously.➤ Selection of Examiner for 1st Semester UG (NEP). Examiners for all papers both theory and practiced both are unanimously selected by the committee.➤ The Committee unanimously recommended to tone initiative for preparing the 3rd Semester Syllabus as early as possible.

Duration	Date	Major Issue
01 hours	16.04.2025	<ul style="list-style-type: none"> ➤ Prepare a list of paper setters examine of BCA 2nd Semester-2025. ➤ Discussion regarding the syllabus of BCA 3rd and 4th semester. ➤ The Committee unanimously recommend and prepares a new list of paper setter, practical examiner, and Theory paper examine of BCA 2nd Semester – 2025 ➤ The Committee also agree to following the proposed syllabus of BCA 3rd and 4th semester and recommended to propose two groups (i) Data Science and (ii) AI & ML.

Class Routine-2025(2nd-3rd-6th)
Department of B.C.A

Day	Sem	10.15am-11.15am	11.15am-12.15pm	12.15pm-1.15pm	1.15pm-2.15pm	2.15pm-3.15pm	3.15pm-4.15pm
MON	2nd		← Math (S.S.) →		← OS Lab (ND) →		
	3rd		← Architecture Lab(S.S.H) →		Math (S.S)	Architecture Th (P.G.B)	
	6th		← Cloud Lab (P.G.B) →		← Graphics (Th) S.S.H →		
TUE	2nd		Math (S.S)	IC (M.B)	← DS Lab (P.D) →		← Web Technology (Th)(S.S.H) →
	3rd	← DS Lab (ND) →		MDC	Architecture Th (P.G.B)	Python (S.S.H)	← DS Th(PD) →
	6th	Project(P.G.B)	Cloud (Th) (P.G.B)	Graphics (Th) (S.S.H)	SE (Th) (A.S.A)	← SE Lab (N.D) →	
WED	2nd	← Web Technology Lab (P.G.B) →		IC (M.B)	← OS (Th) (A.S.A) →		← DS (Th) (P.D) →
	3rd		← Math (S.S) →		← DS Lab (N.D) →		
	6th	Project (P.D)	SE (Th) (A.S.A)	← Graphics Lab (P.D) →		Cloud (Th) (P.G,B)	← SE LAB (N.D) →
THURS	2nd	← Java Lab (N.D) →		← Java (Th) (S.S.H) →		← OS Lab (A.S.A) →	
	3rd		DS(Th)(P.D)	MDC	← Architecture Lab (N.D) →		
	6th		Seminar (A.S.A)	← Project →			← →
	BMLT			← BMLT 2 nd (A.S.A + P.D) →			
FRI	2nd		← DS LAB (P.D) →		← Java Lab (P.G.B) →		Java (Th) (A.S.A)
	3rd		Architecture Th (P.G.B)	Algorithm (A.S.A)	← Python Lab (P.D) →		English
	6th	Grand Viva (A.S.A)	← Project →			← →	
	BMLT			← BMLT 6 th (N.D) →			
SAT	2nd	← Web Design Lab (P.G.B) →		OS (Th) (A.S.A)	Aptitude & Reasoning (D.G)		
	3rd		MDC	Python Lab (P.D)			
	6th	Project (A.S.A)	SE (Th) (A.S.A)	Seminar (P.G.B)	← →		

1. **Dr. Amita Samanta Adhya (A.S.A) (Class : 15)**
2. **Mr. Prasanta Dutta (P.D)(Class : 17)**
3. **Mrs. Piyali Ghosh Bhowmick (P.G.B) (Class : 15)**
4. **Mrs. Sriparna Sharongi (S.SH) (Class : 09)**
5. **Ms. Nabarupa Das (N.D) (Class : 15)**

Project Details(6th semester students)

1. Stock market prediction using Machine Learning.
2. Machine Learning based personalized learning system (chatbot).
3. Traffic sign classification using CNN Model.
4. Climate impact on crop production prediction.
5. Multiple diseases diagnosis prediction using Machine Learning.
6. Aspect based sentiment analysis using Machine Learning.
7. Emotion recognition using facial gestures using deep learning.
8. Solar energy production prediction using Machine Learning.
9. Ai based fake news prediction using Machine Learning.

Staff Profiles

Teacher's Name	Designation	Qualification	Specialization
Dr. Amita Samanta Adhya	SACT1	MCA,NET,SET,P.hd	Cryptography
Mr. Prasanta Dutta	SACT1	M.Sc,Net, P.hd(persuing)	Soft Computing
Mrs.Piyali Ghosh Bhowmik	SACT2	M.Sc, P.hd(persuing)	Image Processing
Mr. Supriya Ghosh	SACT2	M.C.A	Image Processing
Mrs.Nabarupa Das	Assistant Professor(Contractual)	M.Sc,Net	Image Processing
Mrs.Sriparna Sarangi	Guest Faculty	M.Sc,Net	Image Processing
Mr. Partha Adhikary	Non Teaching		

List of Publications(Prasanta Dutta)

1. A modified ACO with K-Opt for restricted covering salesman problems in different environments ,**Soft Computing**, <https://doi.org/10.1007/s00500-022-06978-0> (SCI JOURNAL impact factor:3.1).
2. Coordination of Cyclic crossover and Bat Algorithm for the Travelling Salesman Problems in Different Environments A Simulation Approach,**International Journal of Uncertainty,Fuzziness and Knowledge-Based Systems**,Vol. 31, No. 6 (2023) 975, DOI: <https://10.1142/S0218488523500447> (SCI JOURNAL impact factor:1.0).
3. A perturbation based modified BAT algorithm for priority based covering salesman problems,**Journal of Intelligent & Fuzzy Systems**, Volume 44, Issue 3,Pages 3825 - 3849, <https://doi.org/10.3233/JIFS-220396> (SCI JOURNAL impact factor:1.7).
4. A Novel Heuristic for the Generalized Traveling Salesman Problems With Imprecise Cost Matrices, **New Mathematics and Natural Computation** ,DOI: <https://10.1142/S1793005726500432> (ESCI JOURNAL).
5. A heuristic with multiple search strategies for an IoT-enabled smart emergency medical service. **Int. j. inf. tecnol.** (2025). <https://doi.org/10.1007/s41870-025-02507-y>(Scopus Indexed).

International Seminar and conference Presentation

1. A modified ACO with K-Opt for restricted covering salesman problems in different environments ,presented in the two-day interational seminar on ”**Mathematics and Computing, Present Perspective**” , Mahisadal Raj College,Mahisadal.
2. A heuristic to solve the tsps using multiple perturbation techniques: an application to emergency medical service ,presented in **International Conference on Data Science and Communication (ICTDsC 2024)** November 21- 22, 2024 at Siliguri Institute of Technology, Sukna, West Bengal, India.
3. A heuristic with multiple search strategies for the GTSPs in different environments , in the**International Conference on Intelligent Systems and Security (ICISS 2024)** during December 20-22, 2024 at Indian Institute of Engineering Science and Technology (IIST), Howrah, West Bengal 711103

List of Publications(Amita Samanta Adhya)

1. **Hierarchical Visual Secret Sharing Scheme using Steganography**, *Mathematics and Computing*, 2015, Springer, Volume 139, ISBN: 978-81-322-2452-5, [DOI: http://10.1007/978-81-322-2452-5_25] (International).
2. **An Optimal Algorithm to Find Minimum k-hop Connected Dominating Set of Permutation Graphs**, *Asian European Journal of Mathematics*, 2021, World Scientific, ISSN: 1793-5571, [DOI: <http://10.1142/S1793557121500492>] (International).
3. **Minimum r-Neighbourhood Covering Set of Permutation Graphs**, *Discrete Mathematics, Algorithms and Applications*, 2021, World Scientific, ISSN: 1793-8309, [DOI: <http://10.1142/S1793830921500816>] (International).
4. **Computation of Minimum d-hop Connected Dominating Set of Trees in O(n) Time**, *Journal of Algebra Combinatorics Discrete Structures and Application*, 2022, Volume 9(3), ISSN: 2148-838X (International).
5. **Edge-Vertex Domination on Interval Graphs**, *Discrete Mathematics, Algorithms and Applications*, 2023, World Scientific, ISSN: 1793-8309, [DOI: <http://10.1142/S1793830923500155>] (International).

International Seminar and conference Presentation

1. **An Optimal Algorithm to Find Minimum k-hop Connected Dominating Set of Permutation Graphs**, presented in the two-day international seminar on "*Systematic Approach to Modern Sciences and its Philosophical Impacts*", organized by Bajkul Milani Mahavidyalaya in collaboration with Prabhat Kumar College.
2. **Computation of Minimum d-hop Connected Dominating Set of Trees in O(n) Time**, presented in the international seminar on "*Mathematics and Computing: Present Perspective*", organized by Mahishadal Raj College.

Departmental Meeting

<u>Date</u>	<u>Agenda</u>
<u>11/09/2024</u>	<p style="text-align: center;"><u>Syllabus Discussion and Routine Creation</u></p> <p>A departmental meeting was held on 11th September 2024 to discuss the syllabus distribution and class routine for the new semester. The following resolutions were made:</p> <ul style="list-style-type: none">➤ Syllabus for all subjects was reviewed and distributed among faculty members.➤ Each faculty was assigned specific modules/topics based on expertise.➤ A draft class routine was prepared and approved with minor adjustments.➤ Faculty agreed to follow the routine strictly and coordinate in case of changes.➤ A copy of the finalized syllabus and routine will be shared with all students.
<u>08/04/2025</u>	<p style="text-align: center;"><u>Freshers' Ceremony 2025</u></p> <p>A meeting was held on 8th April 2025 to plan the Freshers' Ceremony. It was resolved that: The event will be held on 08/04/2025 at software lab starting at 3.30 p.m.</p> <ul style="list-style-type: none">➤ A committee with faculty and student coordinators will manage the event.➤ Duties such as decoration, anchoring, and hospitality were assigned.➤ A tentative budget of 12000 was approved.➤ The program will include a welcome, cultural performances, and interaction sessions.➤ Meeting concluded with a call for active participation to make the event a success.

Lesson Plan

2nd Semester Syllabus - Topic Wise Class Allotment (With Teachers)

CC103: Mathematics Foundation to Computer Science – II

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Mathematical Logic	10	Sanjay Sahoo
2	Group Theory	10	Sanjay Sahoo
3	Numerical Methods	10	Sanjay Sahoo
4	Interpolation and Numerical Integration	10	Sanjay Sahoo
5	Linear Programming	10	Sanjay Sahoo

CC104: Data Structures

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Data Structures, Arrays, Structures	10	Prasanta Dutta
2	Stack and Queue	10	Prasanta Dutta
3	Linked List	10	Prasanta Dutta
4	Trees	10	Prasanta Dutta
5	Graphs and Searching/Sorting Algorithms	10	Prasanta Dutta

CC104(P): Data Structures Lab

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Data Structures, Arrays, Structures	10	Prasanta Dutta
2	Stack and Queue	10	Prasanta Dutta
3	Linked List	10	Prasanta Dutta
4	Trees	10	Nabarupa Das
5	Graphs and Searching/Sorting Algorithms	10	Nabarupa Das

CC105: Operating System

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Operating Systems	10	Amita Samanta Adhya
2	Process Management	10	Amita Samanta Adhya
3	Memory Management	10	Amita Samanta Adhya
4	File and I/O Management	10	Amita Samanta Adhya
5	Deadlock and Security	10	Amita Samanta Adhya

CC105(P): Operating System(Lab)

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Operating Systems	10	Amita Samanta Adhya
2	Process Management	10	Amita Samanta Adhya
3	Memory Management	10	Amita Samanta Adhya

4	File and I/O Management	10	Amita Samanta Adhya
5	Deadlock and Security	10	Amita Samanta Adhya

SEC102: Object Oriented Programming using Java

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Java Programming	6	Piyali Ghosh Bhowmik
2	Classes and Objects	6	Piyali Ghosh Bhowmik
3	Inheritance and Interfaces	6	Piyali Ghosh Bhowmik
4	Exception Handling and Packages	6	Sriparna Sarangi
5	Multithreading and Applet Programming	6	Sriparna Sarangi

SEC102(p): Object Oriented Programming using Java

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Java Programming	6	Piyali Ghosh Bhowmik
2	Classes and Objects	6	Piyali Ghosh Bhowmik
3	Inheritance and Interfaces	6	Piyali Ghosh Bhowmik
4	Exception Handling and Packages	6	Sriparna Sarangi
5	Multithreading and Applet Programming	6	Sriparna Sarangi

SEC103(T+P): Web Technologies

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Internet and Web Programming	6	Piyali Ghosh Bhowmik
2	HTML and CSS	6	Piyali Ghosh Bhowmik
3	JavaScript	6	Piyali Ghosh Bhowmik
4	PHP Programming	6	Piyali Ghosh Bhowmik
5	MySQL and Dynamic Web Applications	6	Sriparna Sarangi

VAC102: Indian Constitution

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Preamble, Features, Fundamental Rights and Duties	3	Mithun Banarjee
2	Directive Principles, Union and State Government	3	Mithun Banarjee
3	Judiciary and Amendment Process	3	Mithun Banarjee
4	Local Self-Government and	3	Mithun Banarjee

	Election Commission		
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3rd Semester Syllabus - Topic Wise Class Allotment (With Teachers)

BCAMJ03: Computer Architecture

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Basics of Digital Logic and Gates	6	Piyali Ghosh Bhowmik
2	Boolean Algebra and Simplification	6	Piyali Ghosh Bhowmik
3	Combinational and Sequential Circuits	6	Piyali Ghosh Bhowmik
4	Memory Organization	6	Piyali Ghosh Bhowmik
5	CPU and Instruction Cycle	6	Piyali Ghosh Bhowmik

BCAMJ03(P): Computer Architecture Lab

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Basics of Digital Logic and Gates	6	Sriparna Sarangi
2	Boolean Algebra and Simplification	6	Nabarupa Das

3	Combinational and Sequential Circuits	6	Nabarupa Das
4	Memory Organization	6	Nabarupa Das
5	CPU and Instruction Cycle	6	Nabarupa Das

BCAMJ04: Discrete Mathematics

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Set Theory and Relations	6	Sanjay Sahoo
2	Functions and Recursion	6	Sanjay Sahoo
3	Graph Theory	6	Sanjay Sahoo
4	Logic and Proof Techniques	6	Sanjay Sahoo
5	Combinatorics and Permutations	6	Sanjay Sahoo

BCASEC03: PYTHON (Practical)

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Basics of Python	6	Prasanta Dutta
2	Control Structures and Loops	6	Prasanta Dutta

3	Functions and Modules	6	Prasanta Dutta
4	File Handling	6	Prasanta Dutta
5	Object-Oriented Python	6	Prasanta Dutta

BCAMIN03: Data Structure and Algorithm

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Data Structures	6	Prasanta Dutta
2	Arrays, Linked Lists	6	Prasanta Dutta
3	Stack, Queue, and Recursion	6	Prasanta Dutta
4	Trees and Graphs	6	Amita Samanta Adhya
5	Searching and Sorting Algorithms	6	Amita Samanta Adhya

BCAMIN03: Data Structure and Algorithm Lab

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Data Structures	6	Prasanta Dutta
2	Arrays, Linked Lists	6	Prasanta Dutta

3	Stack, Queue, and Recursion	6	Prasanta Dutta
4	Trees and Graphs	6	Prasanta Dutta
5	Searching and Sorting Algorithms	6	Prasanta Dutta

6th Semester Syllabus - Topic Wise Class Allotment (With Teachers)

BCACC13T: Computer Graphics

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Graphics	6	Amita Samanta Adhya
2	2D Transformations	6	Amita Samanta Adhya
3	3D Transformations	6	Amita Samanta Adhya
4	Clipping and Viewing	6	Amita Samanta Adhya
5	Interactive Graphics Systems	6	Amita Samanta Adhya

BCACC13T: Computer Graphics Lab

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Graphics	6	Prasanta Dutta

2	2D Transformations	6	Prasanta Dutta
3	3D Transformations	6	Prasanta Dutta
4	Clipping and Viewing	6	Prasanta Dutta
5	Interactive Graphics Systems	6	Prasanta Dutta

BCACC14T: Software Engineering and Project Management

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Software Development Life Cycle (SDLC)	6	Nabarupa Das
2	Requirements Analysis	6	Nabarupa Das
3	Design Models and Architecture	6	Sriparna Sarangi
4	Testing and Maintenance	6	Sriparna Sarangi
5	Project Planning & Management	6	Sriparna Sarangi

DSE-03 Option (b): Cloud Computing

Serial No	Topic Name	Allotted Classes	Teacher Name
1	Introduction to Cloud Computing	6	Piyali Ghosh Bhowmik
2	Cloud Service Models (IaaS, PaaS, SaaS)	6	Piyali Ghosh Bhowmik
3	Virtualization & Deployment Models	6	Piyali Ghosh Bhowmik
4	Cloud Security	6	Nabarupa Das
5	Case Studies and Applications	6	Nabarupa Das

Mentorship Record

2nd Semester

Roll No	Name	Teacher's Name
BCA001	ABHIJIT MAITY	Prasanta Dutta
BCA002	ANANYA BERA	Prasanta Dutta
BCA003	ANIMESH JANA	Prasanta Dutta
BCA004	ANKITA SAMANTA	Prasanta Dutta
BCA005	ANWESHA CHAUDHURI	Prasanta Dutta
BCA006	BABITA SINGHA	Prasanta Dutta
BCA007	BARSHA SHYAMLI	Prasanta Dutta
BCA008	DEBASMITA RAY	Prasanta Dutta
BCA009	DIP KUMAR MANDAL	Amita Samanta Adhya
BCA010	DIPTI SINGHA	Amita Samanta Adhya
BCA011	ISHIKA KHATUN	Amita Samanta Adhya
BCA012	KOYEL JANA	Amita Samanta Adhya
BCA013	KRISHANU DUARY	Amita Samanta Adhya
BCA014	LIPIKA DEY	Amita Samanta Adhya
BCA015	MAHADEB RANA	Amita Samanta Adhya
BCA016	MOUMITA MAITY	Piyali Ghosh Bhowmik
BCA017	MOUMITA ROY	Piyali Ghosh Bhowmik
BCA018	NEELANJAN KAJLI	Piyali Ghosh Bhowmik
BCA019	PARTHA GHOSH	Piyali Ghosh Bhowmik
BCA020	PARTHA PRATIM MONDAL	Piyali Ghosh Bhowmik
BCA021	PEALI DOLUI	Piyali Ghosh Bhowmik
BCA022	PIJUS MANDAL	Piyali Ghosh Bhowmik
BCA023	PIKU DOLAI	Nabarupa Das
BCA024	PIYALI DOLAI	Nabarupa Das
BCA025	PRITI PATRA	Nabarupa Das
BCA026	PRIYANKA PANDIT	Nabarupa Das
BCA027	PUJA MISHRA	Nabarupa Das
BCA028	RAJU KHATUA	Nabarupa Das
BCA029	RITWIK BASU	Nabarupa Das
BCA030	SANDIP KUMAR DEY	Nabarupa Das
BCA031	SARBANI SAREN	Nabarupa Das
BCA033	SOUGATA DAS	Sriparna Sharagi
BCA034	SOUMITA ROUTH	Sriparna Sharagi
BCA035	SREYA BERA	Sriparna Sharagi
BCA036	SUMAN SANTRA	Sriparna Sharagi
BCA037	SUSMITA SING	Sriparna Sharagi
BCA038	SWARUPANANDA DAS	Sriparna Sharagi
BCA040	TANUSHREE MANNA	Sriparna Sharagi
BCA041	TARAKNATH MAITY	Sriparna Sharagi
BCA042	TINKU SHIT	Sriparna Sharagi

3rd Semester

Roll No	Name	Teacher's Name
BCA001	ANKIT BALA	Prasanta Dutta
BCA002	ANWESHA BEPARY	Prasanta Dutta
BCA003	ANWESHA GANGULY	Prasanta Dutta
BCA004	ARNAB KOLAY	Prasanta Dutta
BCA005	BATAKRISHNA DOLAI	Prasanta Dutta
BCA007	BINOY KUMAR BERA	Prasanta Dutta
BCA008	BRISTI DAS	Prasanta Dutta
BCA009	CHANDRIMA SASMAL	Prasanta Dutta
BCA010	DIPSIKHA MAITY	Amita Samanta Adhya
BCA011	ESHANI BHATTACHARYA	Amita Samanta Adhya
BCA012	FATEMA KHATUN	Amita Samanta Adhya
BCA013	MD ASIF ALAM	Amita Samanta Adhya
BCA014	MEHEK SK	Amita Samanta Adhya
BCA015	MEHERAJ KHAN	Amita Samanta Adhya
BCA016	MOULI RANI MAITY	Amita Samanta Adhya
BCA017	MUKTA DAS	Piyali Ghosh Bhowmik
BCA018	PAYEL BHOWMICK	Piyali Ghosh Bhowmik
BCA019	RAJESH DOALI	Piyali Ghosh Bhowmik
BCA020	RETISHA KHATIK	Piyali Ghosh Bhowmik
BCA021	RIKTA GHOSH	Piyali Ghosh Bhowmik
BCA022	RINKI PRADHAN	Piyali Ghosh Bhowmik
BCA023	RUDRANI BERA	Piyali Ghosh Bhowmik
BCA025	SHRUTI SHAW	Nabarupa Das
BCA026	SILPI MUKHERJEE	Nabarupa Das
BCA027	SK ADIL HASAN	Nabarupa Das
BCA028	SOMENATH MISHRA	Nabarupa Das
BCA029	SOURAV MODAK	Nabarupa Das
BCA031	SOUVIK MAHATA	Nabarupa Das
BCA032	SRABANI BAG	Nabarupa Das
BCA033	SUBHADIP PAUL	Nabarupa Das
BCA035	SUDIPA BERA	Nabarupa Das
BCA036	SUPARNA DAS	Sriparna Sharagi
BCA037	SUSMITA OJHA	Sriparna Sharagi
BCA039	TUHIN KUMAR MAJI	Sriparna Sharagi
BCA040	MOUPRIYA DHARA	Sriparna Sharagi
BCA041	ABIR MANDAL	Sriparna Sharagi
BCA042	AKASH LATUA	Sriparna Sharagi
BCA043	DIP PATRA	Sriparna Sharagi
BCA044	SILKI BHATTACHARYA	Sriparna Sharagi
BCA045	SWAPNA PATRA	Sriparna Sharagi
BCA046	DEBASIS ROY	Sriparna Sharagi

6th Semester

Roll No	Name	Teacher's Name
BCA0001	ANUSHRI SENAPATI	Prasanta Dutta
BCA0002	BANAMALI JANA	Prasanta Dutta
BCA0004	GOBINDA PATRA	Prasanta Dutta
BCA0006	JOYASHRI PRATIHAR	Prasanta Dutta
BCA0008	SAMPA MANNA	Prasanta Dutta
BCA0010	SK SAJID AKTAR	Prasanta Dutta
BCA0011	SOUMEN PAL	Prasanta Dutta
BCA0012	SOUVIK MALAKAR	Prasanta Dutta
BCA0015	SUMIT JANA	Amita Samanta Adhya
BCA0017	TANAY DHARA	Amita Samanta Adhya
BCA0019	ANUPAM MIDYA	Amita Samanta Adhya
BCA0020	ARPITA PARIA	Amita Samanta Adhya
BCA0021	BABAI SAHOO	Amita Samanta Adhya
BCA0022	KOYEL MANNA	Amita Samanta Adhya
BCA0024	MOUMITA MANNA	Amita Samanta Adhya
BCA0025	NAFISA PARVIN	Piyali Ghosh Bhowmik
BCA0026	PRASANTA GHANTA	Piyali Ghosh Bhowmik
BCA0028	PUJA KARAK	Piyali Ghosh Bhowmik
BCA0029	SANANDA DAS	Piyali Ghosh Bhowmik
BCA0032	SIDDHARTHA MANDI	Piyali Ghosh Bhowmik
BCA0034	SOURAV PAL	Piyali Ghosh Bhowmik
BCA0035	SUBHANKAR SHIT	Piyali Ghosh Bhowmik
BCA0036	SUBRATA MONDAL	Nabarupa Das
BCA0037	SUBRATA PARAMANIK	Sriparna Sharagi
BCA0038	SUCHARITA SAMANTA	Sriparna Sharagi
BCA0039	KRISHNENDU SAMANTA	Sriparna Sharagi

5-Year Departmental Development Plan

Year 1: Foundation & Curriculum Modernization

Goals:

- Revise syllabus to include trending technologies (AI, Data Science, Cybersecurity).
- Start basic coding clubs and student mentorship programs.
- Introduce project-based learning in core courses.

Requirements:

- Academic committee for curriculum update.
 - Budget for lab equipment and software licenses.
 - Training for faculty in updated tools (e.g., GitHub, Python, R).
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Year 2: Industry Linkage & Skill Building

Goals:

- Sign MoUs with tech companies for internships, training, and guest lectures.
- Start offering certification-oriented electives (AWS, Google Cloud, Python, etc.).
- Organize coding contests, hackathons, and technical seminars.

Requirements:

- Industry partners and guest speakers.
 - Dedicated placement/training officer.
 - Access to online platforms like Coursera, NPTEL.
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Year 3: Research & Innovation

Goals:

- Encourage mini-research projects and paper publications by students/faculty.
- Establish a departmental Research and Innovation Cell.
- Host intercollegiate tech fests or innovation challenges.

Requirements:

- Research fund or seed grant.
 - Access to academic journals and digital libraries.
 - Collaboration with research labs or universities.
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Year 4: Expansion & Advanced Labs

Goals:

- Upgrade infrastructure (IoT Lab, AI Lab, Cloud Computing Lab).
- Introduce PG diploma programs or specialized certificate courses.
- Implement ERP or digital department management system.

Requirements:

- Funding for lab expansion and hardware procurement.
 - Partnerships with ed-tech platforms.
 - Trained technical support staff.
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Year 5: Outcome Assessment & Accreditation

Goals:

- Apply for NAAC/NBA accreditation or ISO certification.
- Track alumni success and placement records.
- Publish an annual departmental report and academic magazine.

Requirements:

- Dedicated Quality Assurance Cell (IQAC).
 - Data on graduate outcomes, publications, and employer feedback.
 - Portal for alumni and industry interaction.
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