YEAR PLAN – 2024-2025

1. DEPARTMENT PROFILE

The Department of computer science offers two courses BCA and Msc CS. The program focuses on theoretical computer science as well as software and application development. Department has well qualified and vibrant faculty dedicated for the betterment of the students. Our vision is to mold quality computer science professionals to the ever-changing needs of the industry. The department has provided a well-equipped computer lab with latest computer softwares. The department has the latest infrastructure facilities with high speed Internet, advanced software labs and seminar halls equipped with LCD projectors. Apart from the syllabus we planned for various programs for the upliftment of our students. The key goals of each programs are described below.

2. TEACHING FACULTY

NAME OF FACULTY	DESIGNATION	QUALIFICATION	EXPERIENCE
Mr.Sudheesh S	Assistant Professor and Head Of Dept	MCA	12
Ms.Swapna O	Assistant Professor	MCA	14
Ms.Suhaila M P	Assistant Professor	MCA	10
Mr.Deepesh V P	Assistant Professor	MCA	11
Ms.Reshma	Assistant Professor in Mathematics	MSc	11

3. Class Tutors

Program	Semester	Class Tutor
BCA	5th and 6th	Ms. Suhaila M P
	3rd and 4th	Mr. Deepesh V P
	1st and 2nd	Ms. Swapna O

4. Academic calendar

(COLLEGE CALENDER)

5. WORKLOAD

SEMESTER	1	2	3	4	5	6
COMMON COURSES	14 Hours (English & Second Language)	14 Hours (English & Second Language)	8 hours (Computer science)	8 hours (compu ter science)		
CORE COURSE (COMPUTER SCIENCE)	3 hours	3 hours	7 hours	7 hours	20 hours	19 hours
COMPLEMEN TARY	4 hours (compute r science) 4 hours(mathemat ics)	4 hours(mathemat ics) 4hours (commerc e)	5 hours (mathemat ics) + 5 hour (Computer Science)	10 hours (comput er science)		
OPEN COURSE/ ELECTIVE COURSE /project					Open course -3 hours+pro ject -2 hours	Elective- 4hours+pr oject -2 hours

6. VARIOUS PROGRAMES PLANNED FOR THE ACADEMIC YEAR 2024-25

- ORIENTATION PROGRAM

Orientation marks a successful beginning of a college session as it assures the new students that they made a good decision in their college choice. It also helps students prepare for a successful career with clear vision about what lies ahead and what can be achieved at the end of their courses. An orientation program helps students to familiarize with their surroundings and expectations, establishing a sense of feeling comfortable and accustomed. These newfound feelings typically allow the students to be confident and lead them to a greater probability of success.

- LECTURE SERIES(LECTURA)

The purpose of the Lecture Series is to share the vast and interesting knowledge of various topics related to our subjects. Lectures can be specifically organized to meet the needs of students on the latest trends and technology. Lectures can present large amounts of information. The greatest part of hosting learning lecture series is that many other scholar learning actioners, and scholar-practitioners enjoy the opportunity to pass on their wisdom to a new generation.

- ADD ON COURSES(STEP)

Add-On courses not only assist in enhancing grades but also assist in toying with the idea of a particular career path. Add-on courses provide the essential skill set that one needs to reach their goal faster in an efficient manner. Along with College certificates certifications (ASAP, NPTEL)are a great way for students to quickly study for a specific subject or career. Upon completion of a college certificate program, students generally receive a certificate of completion.

- EXPLORE WITH EXPERTS

Social interaction plays an important role in learning. Interacting with other people has proven to be quite effective in assisting the learner to organize their thoughts, reflect on their understanding, and find gaps in their reasoning. It is a known fact that just theoretical knowledge is not enough for making a professional career. It go beyond academics and it is excellent exposure for students to attain a practical perspective of the world of work. These interactions help to tackle the doubts and concerns that students usually have about the industry. It gives them in-depth knowledge about what they can expect and how they have to groom themselves to achieve success.

- CAREER GUIDANCE

Career Guidance is a counselling program designed to help students choose the right career path based on their educational and professional choices. It is a qualitative and quantitative assessment of the knowledge, skills, information, and experience to identify career options available. Career guidance will help the students to fulfill their aspirations by setting up realistic goals. As mentioned earlier, career choice will determine the future of the students not only by providing them their dream job but also by providing them a better future with job satisfaction.

- WORKSHOP

A workshop may introduce a new idea, inspire participants to further explore it on their own, or may illustrate and promote actual process practice. It is a great way to teach hands-on skills as it gives learners an opportunity to try out new methods and fail in a safe environment. Practical work can in fact facilitate learning in the classroom. Using a practical activity can help structure a lesson and improve engagement and knowledge retention.

- EXTENSION PROGRAM

The extension program represents a remarkable collaboration between college students and society, offering invaluable services that enrich communities and promote social welfare. Through this initiative, students harness their skills, knowledge, and passion to address pressing needs and contribute meaningfully to society. Whether through

volunteer work, mentorship programs, or community outreach projects, the extension program not only enhances the learning experience for students but also fosters a culture of empathy, civic engagement, and positive social change. By leveraging the collective power of education and service, extension exemplifies the transformative potential of student-driven initiatives in building stronger, more inclusive communities.

7. Curriculum Implementation and enrichment

Action Plan:

(a) Academic calendar
(b) Execution of Time Table and Workload
(c) Improve Learning Outcome
(d) Inclusion of employability, skill development add on courses
(e) Inclusion of professional ethics, Gender equality, human values, environment and sustainability
(f) Value added programs/ registering students in certificate/online courses (SWAYAM, NPTEL)
(g) Industrial Visits, student projects, study Tour

SI.No	Activity	Proposed Dates	Participants
1	Department Meeting	Twice in every month	Department faculties
2	Time Table and Workload Confirmation (Odd and Even Semesters)	June and October 2024	Department faculties
3	External Add On Course (Minimum 3)	September2024, December 2024 and February 2025	IIIBCA, IBCA and II BCA Respectively
4	Internal Add On Course(Minimum 3)	August 2024, October and January 2025	IIIBCA, II BCA and I BCA
5	Classes on Legal Awareness(1 Class)	December 2024	All BCA Students
6	Classes on IPR (1 Class)	December 2024	All BCA Students
7	Audit Courses	December 2024, January 2025, February 2025, March 2025	Odd Semester (1,3) and Even semester (2,4)
8	NPTEL SWAYAM Course	November 2024	Registration by IBCA and enrolling new course
9	Industrial Visit	November 2024	II BCA
10	Study Tour	December 2024	III BCA

8. Teaching Learning and Evaluation

Action Plan:

(a) Innovative Teaching process – (Experiential learning, participative learning, problem solving methodology)
(b) ICT enabled tools
(c) Programs to cater to differential learning needs of students (bridge course/ tutorial system/special classes (methods to treat slow learners and advanced learners)
(d) PTA Meeting

SI.No	Activity	Title of the program	Proposed Dates	Participants
1	Student Seminars		August 2024	III BCA
			September 2024	II BCA
			December 2024	I BCA
2	ICT enabled teaching			All students
3	Bridge Course		August 22, 2024	I BCA
4	Slow Learners Class		June 2024	IIBCA and IVBCA
			Auguest2024, February 2024	III BCA, V BCA
				IBCA, VI BCA
5	PTA MEEETING	Semester Registrtion, Open House & General PTA Meeting	July 2024	III BCA V BCA
			August 2024	I BCA
			September 2024	IVBCA VI BCA
			February 2025	II BCA

9. Research, Innovation and Extension

Action Plan:

a) Publications, books.
b) Workshops, seminars conducted
c) Awards and recognition (to the department or individual teachers)
d) Collaborations
e) MoUs

SI.No	Activity	Title of the program	Proposed Dates	Participants
1	Publication of chapters of students in international journals		February 2025	III BCA & Faculties

2	Workshops as part of Add On Programs			August 2024	IIIBCA
				January 2025	IIBCA
3	Seminars session by students	Lectura		July	IIIBCA
				September	IIBCA
				November	And
				January	I BCA
4	Seminar session by External Faculties	Explore with experts		Augest	IIIBCA
					IIBCA
					And
					I BCA
	Seminar /Workshop Session by Internal Faculties	Project directions		June	IIIBCA
6	Extension Program	e-VidyaPaadam 2 PSC registration		July November	IIIBCA IIBCA
7	MoU: Minimum 2 MoUs expected to complete			September January	

10. Student Support

Action Plan:

(a) Capacity development and skill enhancement activities
(b) Guidance for career counselling (seminars, classes etc)
(c) Support to student progression (higher studies/placement)

SI.No	Activity	Proposed Dates	Participants
1	Presentation Guide	August	III BCA, II BCA
2	Placement Orientation	September	III BCA
3	Carrier Guidence	January	III BCA

11. Faculty Empowerment

Action Plan:

(a) Attending FDP, orientation programs, refresher courses

(b) Professional development programs

(c) Monthly report by the faculties

(d) Attending International/National conference/ Workshop/ Seminar

SI.No	Activity
1	Fdp by college
2	Fdp by other institutions
3	Confernce attending

12. Institutional Values and social responsibilities

Action Plan:

(a) Celebrating day observation

(b) Extension Activity

SI.No	Activity	TITLE	Proposed Dates	Participants
	Extension Activity Minimum 2 extension acivities planning with the active participation of bca students	e-VidyaPaadam 2 PSC registration	July November	IIIBCA IIBCA
	DAY OBSERVATION			
	JUNE 21 – INTERNATIONAL YOGA DAY	YOGA DAY	JUNE 13	IIIBCA IIBCA
	JUNE 30 –WORLD SOCIAL MEDIA DAY	SOCIAL MEDIA DAY	JUNE 30	IIIBCA IIBCA
	JULY 17 - WORLD EMOJI DAY	EMOJI DAY	JULY 17	IIIBCA IIBCA
	AUGUST 1 – WORLD WIDE WEB DAY	WEB DAY	AUGUST 1	IIIBCA IIBCA
	AUGUST 19 – WORLD PHOTOGRAPHY DAY	PHOTOGRAPHY DAY	AUGUST 19	IIIBCA IIBCA I BCA

SEPTEMBER 5 – TEACHERS DAY	TEACHERS DAY	SEPTEMBER 5	IIIBCA IIBCA I BCA
OCTOBER 29 – NATIONAL INTERNET DAY	INTERNET DAY	OCTOBER 29	IIIBCA IIBCA I BCA
NOVEMBER 30 – NATIONAL COMPUTER SECURITY DAY	NATIONAL COMPUTER SECURITY DAY	NOVEMBER 27	IIIBCA IIBCA I BCA
DECEMBER 22 - NATIONAL MATHEMATICS DAY	MATHEMATICS DAY	DECEMBER 19	IIIBCA IIBCA I BCA
JANUARY 15 – WIKIPEDIA DAY	WIKIPEDIA DAY	JANUARY 15	IIIBCA IIBCA I BCA
FEBRRUARY 28 – NATIONAL SCIENCE DAY	NATIONAL SCIENCE DAY	FEBRRUARY 28	IIIBCA IIBCA I BCA
MARCH 14 –PI DAY	PI DAY	MARCH 14	IIIBCA IIBCA I BCA

COURSE TEMPLATE

FIRST YEAR

AUGUST:

1. ORIENTATION PROGRAM

SEPTEMBER:

2. LECTURA I

OCTOBER:

3. BASIC PROGRAMMING STRATEGIES

4. EXPLORE WITH EXPERTS

5. HARDWARE AND NETWORKING WORKSHOP (2 DAYS)

NOVEMBER:-

  6. MS OFFICE PACKAGES

  7. POWER HOUR

 DECEMBER:-

  8. EXTENSION PROGRAM

 JANUARY:-

  9. SKILL DEVELOPMENT   COMMUNICATION SKILL

FEBRUARY:-

  9. LECTURA

EXTERNAL:-

ASAP, NPTEL

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SECOND YEAR

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JULY:-

1.LECTURA1

AUGUST:-

2.EXTENSION PROGRAM

  3. EXPLORE WITH EXERTS

SEPTEMBER

  4.   LECTURA2

OCTOBER

  5. HARDWARE AND NETWORKING WORKSHOP

NOVEMBER:-

  6. POWER HOUR
  7. LECTURA 3

DECEMBER:-

  8. EXTENSION PROGRAM

JANUARY:-

  9. LECTURA 4

EXTERNAL

 ASAP, NPTEL

THIRD YEAR

JUNE:-

1. PROJECT DIRECTIONS THROUGH SDLC

JULY:-

2. PLACEMENT ASSISTANCE PLATFORM
3. LECTURA 1

AUGUST:-

4. EXTENSION PROGRAM
5. EXPLORE WITH EXERTS

SEPTEMBER

6. LECTURA 2

OCTOBER

7. HARDWARE AND NETWORKING WORKSHOP

NOVEMBER:-

8. POWER HOUR
9. LECTURA 3

DECEMBER:-

10. EXTENSION PROGRAM

JANUARY:-

11. LECTURA 4

FEBRUARY:-

12. CAREER GUIDANCE – [FEBRUARY -15]

EXTERNAL

ASAP,ICT ACADEMY