## **SKSPM'S**

# Bill Gates Institute of Computer Science and Management, Dharashiv-413501



(UGC and AICTE Approved)

**DTE Code: 2702** 

(Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar)



From the Principal's Desk...

"Education is not the learning of facts,

but the training of the mind to think."

**Albert Einstein** 

Welcome to Bill Gates Institute of Computer Science and Management.

As the Principal of the College, I feel honored and privileged to be part of an educational institution where every stakeholder is a learner and every day is an opportunity to learn and discover new things. The Scientific Research long back established that, 'universe is expanding' which holds true even today. And now we say 'world is shrinking'- this also is True! The introduction of global network of internet has turned the whole globe in to a village. Only thing which is emerging fast in the current era is the applications of computers and management skills in the society.

Rapid progress in the area of Info-Tech and Management has brought about huge Leaps in socio-economic and cultural changes and consequently changed education system. The changing educational needs in the last decade have demanded the introduction of various employable courses at graduation and post graduation level. We at our institute focus our attention on overall personality development of the student and provide sound platform to be a successful I.T. / Management professional and a responsible Indian citizen. I am sure that, future will be ours as I.T. is India's Tomorrow.

# Message from Head of the Department (Management Science)

Dear Students,

Science and civilization have made rapid strides especially in recent times and as a result, the world has gone a transformation. But behind all the progress of mankind is the human factor, the human capital – the skills, education and experience which are invaluable and irreplaceable. Several studies into economic growth in advanced countries have confirmed the importance of investment in human capital.

A country's physical capital is of course important ---- natural resources, minerals, dams, forests and industrial establishment. But about three fourths of the income even of advanced countries comes from human skills and the ability of the people, not from land, property rights and other permanent assets. Man exploits these assets through his capacity to create wealth and it is the capacity that makes all the difference between a rich, prosperous and progressive country and a poor and backward one.

India is rich and yet it is poor. It is rich in natural resources, mineral wealth, varied assets, rivers, forests, etc. It has a massive population also. There are lakhs of skilled workers too, but they constitute a small minority. There is no dearth of human capital in this country. As a result of the inadequate utilization of human resources, there is unemployment, illiteracy, malnutrition and poverty. Therefore, the human factor needs to be closely studied in relation to India. Mere numbers contribute very little to real human capital. It is education and training that count. Similarly, expenditure on education and training and improvement of health and research needs to be increased.

It is not only the inadequacy of attention and expenditure on developing human capital that needs to be remedied but it is the all-round development of the human personality, through sustained and concerted efforts that can help ensure the country's salvation. Mahatma Gandhi has said: "There are no two opinions about the fact that intellect rather than riches will lead. Character will count at the crucial time.

I welcome you in the portals of this institution.

Prof. Bagga Ashwinikumar

(Head –Department of Management Science)

# Message from Head of the Department (Computer Science)

It gives us immense pleasure to extend a warm welcome to each of you as you embark on your journey with the Bachelor of Science (Computer Science) program in our College. We are firm believers in delivering education of the highest quality, with technology serving as its driving force.

In our college, we are dedicated to nurturing the latest talents among our students, equipping them with the abilities to confidently confront the challenges posed by globalization and fierce competition. Through innovative education and practical experiences, we prepare our students to excel in a rapidly evolving global landscape.

Our mission in this College is to empower students with the knowledge and skills necessary to thrive in the dynamic landscape of Information Technology and its related fields. Through a culture of hands-on learning, we encourage students to tackle challenging projects and expose them to industry-relevant practices. We are dedicated to impart a high level of knowledge, skills, abilities, attitudes, and beliefs essential for a productive and successful life. Committed to maintaining a balance between theory and practice, we also in still the ability to think critically and communicate effectively.

Our faculty and support staff is dedicated to guide you throughout your academic journey.

You are always welcome, whenever assistance is required with coursework, to seek career advice or any form of personal support. Your success is our top priority, and we are fully committed to providing you with the resources and assistance necessary for your growth and flourishing.

Choosing to join our college is a decision that will broaden your horizons, nurture your personality, and open doors to the very best career opportunities. Thank you for selecting our College.

Once again, welcome to an exhilarating journey that promises both fulfillment and enjoyment.

Dr. Majharoddin Kazi
(Head- Department of Computer Science)

## TENTATIVE ACTIVITIES & ACADEMIC CALENDAR:

Sr. No.	Month	Day / Activity	Date
1.	June	Environment day	5 <sup>th</sup> June
2.		International Yoga day	21st June
3.	July	Commencement of classes (SY, TY)	1 <sup>st</sup> July
4.	v	Induction and Commencement of Classes (FY)	3 <sup>rd</sup> Week
5.	August	International Youth Day	12 <sup>th</sup> August
6.		Independence Day	15 <sup>th</sup> August
7.		University Foundation Day	23 <sup>rd</sup> August
8.	September	Teacher's Day	5 <sup>th</sup> September
9.		Workshop/ Industrial Visit	3 <sup>rd</sup> Week
10.		Engineers Day	15 <sup>th</sup> September
11.		Marathwada Mukti Sangram Diwas	17 <sup>th</sup> September
12.		Workshop on Recent Trends in Business	Last Week
13.		IT Professional Day	3 <sup>rd</sup> Tuesday
14.		Corporate Day– (Ad-Mad Show, Quiz), - (Logo Making)	24 <sup>th</sup> September
15.	October	Parents-Teacher Meeting	1st week
16.		Mahatma Gandhi Jayanti & Swachha Bharat Abhiyan	2 <sup>nd</sup> October
17.		Collage making competition	2 <sup>nd</sup> week
18.		Recycle & Reuse Activity	3 <sup>rd</sup> week
19.	November	Mid-Term Exams	2 <sup>nd</sup> Week
20.		Student's Day	7 <sup>th</sup> November
21.	December	University Exam	2 <sup>nd</sup> Week
22.		World Computer Literacy Day	2 <sup>nd</sup> December
23.	January	University Namawistar Diwas	14 <sup>th</sup> January
24.	February	Chhatrapati Shivaji Maharaj Jayanti	19 <sup>th</sup> February
25.		Workshop on Career counseling	2 <sup>nd</sup> Week
26.		Science Day	27 <sup>th</sup> February
27.	March	Educational Trip	1st Week
28.		International Women's Day	8th March
29.		Water Day – Painting Competition	3 <sup>rd</sup> Week
30.	April	Parents – Teacher Meeting	1st Week
31.		Mid Term Exam	2 <sup>nd</sup> Week
32.		Dr. B. R. Ambedkar Jayanti (Knowledge Day)	14 <sup>th</sup> April
33.		Earth Day	22 <sup>nd</sup> April
34.		Farewell Function	2 <sup>nd</sup> Week
35.		University Exam	3 <sup>rd</sup> Week
36.	May	Maharashtra Din & International Labor Day	1st May

## **About College**

We envision ourselves as one of the leading institutes of higher learning that imparts quality and value-based education to students of the hill state. We aim to nurture an atmosphere of intellectual vigor and moral rectitude in which the youth of the region may find their fulfillment, achieve success and contribute constructively towards the development of nation. Our constant endeavor is to provide a safe, secure and conducive learning environment to the underprivileged students from rural and semi urban areas, particularly girls who aspire for higher education. We strive to educate young minds to be competent, committed and compassionate citizens who respond thoughtfully and responsibly to the challenges of ever-changing world.

The college is committed to provide holistic education that brings transformation of body, mind and spirit. We strive for academic excellence but also focus on engaging our students in co- curricular activities for all round development of the personality. We are dedicated to the cause of empowerment of rural youth and constantly encourage enrolments by providing them with best of infrastructure, learning resources and financial assistance, as and when required. We facilitate ethical higher learning while nurturing a sense of social responsibility, gender sensitivity, environment sustainability and an optimistic outlook towards life.

The courses of BBA, BCA, B. Sc. (CS), and M. Sc. (CS), run under the Bill Gates Institute of Computer Science and Management of Shri Kulswamini Shikshan Prasarak Mandal, Dharashiv and the primary objectives is to establish, manage, operate, maintain and control the imparting of Education in professional, Add-on courses, online courses and its related areas in the college with in aim to develop skilled / professional work force in these areas. So that pupils of rural area can also empower them with the skills of modern world. The entire requisite infrastructure for these courses in the college is established, managed and run by the society on a self-sustain revenue model.

## The Aims and Objectives of the Institute:

- To meet educational demand the population, especially rural population, support professional and career development of individuals by introducing professional courses, Vocational, Add-on and online courses with different fee structure on self- financing basis in the college.
- To enhance the vocational and professional skills among the students, as per the present scenario who join the courses.
- To increase the employability of the youth by introducing innovative and industry based and other skill development courses.
- To prescribe the rules and regulations for the admission of students for various courses with the approval of Maharashtra Govt. / Dr. B. A. M. University.
- To fix and demand such fees and charges as may be laid down in the bye- laws made under the rule of University.

- To impart, undertake, organize and or assist in organization of short term courses, training, workshops, seminars, conferences, lectures and similar courses in ICT, Business Skills, Languages, Humanities, Pure and Applied Sciences, Research methodology etc. in the college and in other places and its extension centers in order to meet the demand of the Industries, Business and Society.
- To establish and maintain laboratories, libraries, placement cells and consultancy and other government services.
- To collaborate with other institutions, associations, societies and universities in and outside the State / Country to achieve similar objectives.
- To promote the interaction between industry and students.
- Dissemination of professional knowledge, cultural education along with promotion of extra co-curricular and sports activities.
- To maintain the quality of teaching in the institution/ college.
- To employ or engage teaching, administrative, academic, technical, ministerial and other supporting staff in accordance with the rules and bye-laws of the society.
- To adopt all publicity measure such as campaigning through media like TV, Radio, Newspaper, Banner, Posters etc. for creating awareness about the programmes for the benefits of the students.
- To render constructive assistance in running and management of the college for the overall development of taught and institution.
- To arrange social functions, seminars, lectures, workshops, personality development camps, on-campus recruitment drives etc.

#### DEPARTMENT OF BUSINESS ADMINISTRATION

The department provides a four-year degree program, split over eight semesters as per NEP-2020 approved by AICTE and affiliated to Dr. B. A. M. University. The course is specially designed to meet the challenges of the rapidly changing business environment in the globalized world of today. The total numbers of seats in BCA is 120 and BBA are 60.

#### DEPARTMENT OF COMPUTER SCIENCE

The department provides a four-year degree program, split over eight semesters as per NEP-2020 and affiliated to Dr. B. A. M. University. The course aims to acquaint and equip the students with the latest knowledge regarding programming and coding, thus preparing them for the highly competitive professional world. The total numbers of seats in B. Sc. (CS) are 120 and a PG Program of two years split over four semesters M. Sc. (CS) are 30.

#### **Affiliation Details**

The courses are affiliated to Dr. B. A. M. University, Chhatrapati Sambhajinagar

Sr. No.	Course Name	Duration	Intake
1.	BBA	4 Years (8 Semester)	60
2.	BCA	4 Years (8 Semester)	120
3.	B. Sc. (CS)	4 Years (8 Semester)	120
4.	M. Sc. (CS)	2 Years (4 Semester)	30

### **Teaching Faculty**

The Departments of Bill Gates Institute of Computer Science and Management, Dharashiv have a highly qualified and Experienced Faculty. Their efforts are complemented by the strong support and patronage of the industry. Apart from being friends, philosopher's and guides to students in their quest for excellence, faculty members contribute regularly to the growing field of computer science and management research through their articles and research papers. The environment of the Departments offers the students a sense of values and mind set, while the daily intellectual stimulation spurs them to excel.

Faculty of BBA and BCA

Sr. No.	Name of Faculty	Qualification
1.	Mr. A. R. Bagga	M. Com.,PGDBM, NET
2.	Dr. S. B. Kale	M. Com. Ph.D
3.	Mr. S. D. Kumbhar	M. Com., MCM
4.	Mrs. A. A. Deshmukh	M. Sc. (CM)
5.	Mrs. J. R. Mundhe	L.L.M.
6.	Mr. S. S. Bhadange	M. Com, DTL

Faculty of B. Sc. (CS) & M. Sc. (CS)

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Sr. No.	Name of Faculty	Qualification	
1.	Dr. M. M. Kazi	M. Sc. (CS), Ph. D. (CS)	
2.	Mr. D. N. Jamale	MCM	
3.	Mr. V. B. Hajgude	MCA	
4.	Mr. I. L. Hannure	M.Sc.(C.S.)	

### **Non-Teaching Staff**

Sr. No.	Name of Faculty	Qualification
1.	Mr. S. Y. Jadhav	M.C.M.
2.	Mr. R. V. Waghe	M.C.M.
3.	Mr. S. T. Mane	M.A.,M.C.M.,B.Ed
4.	Mr. A. A. Pade	B.Com,M.com
5.	Miss. P. Dange	M.Com
6.	Mr. Satish Suryawanshi	B.A.

#### COMMITTEES/ADMINISTRATIVE ASSIGNMENTS

For the better and efficient functioning of the College, following committees are constituted so that the students can get enough time and opportunities to get the assistance well in time. The latest information related to the constitution of committees is also uploaded in the college website. Students can contact the concerned committee Convener/Members as per the requirement.

### ADMINISTRATIVE COMMITTEES FOR THE SESSION:

## 1. Admission Committee:

Sr. No.	Name	<b>Duty Assigned</b>
I	Mr. A. R. Bagga	Convener (BCA & BBA)
II	Dr. M.M. Kazi	Convener (B. Sc. CS & M. Sc. CS)
III	Mr. D. N. Jamale	Member
IV	Mr. V. B. Hajgude	Member
V	Mrs. A. A. Deshmukh	Member
VI	Mrs. P. P. Patil	Member

## 2. Discipline and Anti- Ragging Committee:

Sr. No.	Name	<b>Duty assigned</b>
I.	Prin. Dr. A. M. Razvi	Convener
II	Mr. S. D. Kumbhar	Co-Convener
III	Mr. D. N. Jamale	Member
IV	Mr. S. A. Bhadange	Member
V	Adv. Mrs. J. R. Mundhe	Member
VI	Mrs. S. S. Patil	Member

## 3. Career Guidance, Training and Placement Cell:

Sr. No.	Name	<b>Duty assigned</b>
I	Prin. Dr. A. M. Razvi	Convener
II	Mr. A. R. Bagga	Co-Convener
III	Dr. M. M. Kazi	Member
IV	Mr. D. N. Jamale	Member
V	Mrs. A. A. Deshmukh	Member
VI	Mrs. S. S. Patil	Member
VII	Adv. J. R. Mundhe	Member

## 4. Women Grievances and Redressal cell:

Sr. No.	Name	<b>Duty assigned</b>
I	Mrs. A. A. Deshmukh	Convener
II	Mrs. S. S. Patil	Member
III	Adv. J. R. Mundhe	Member

## **5. Educational Tour/Industrial Visit Committee:**

Sr. No.	Name	<b>Duty assigned</b>
I	Mr. S. D. Kumbhar	Member
II	Mr. I. L. Hannure	Member
III	Mr. F. R. Patel	Member
IV	Miss. S. D. Madake	Member

## 6. University Affairs (Dr. B. A. M. University):

Sr. No.	Name	<b>Duty assigned</b>
I	Mr. R. V. Waghe	Member
II	Mr. S. T. Mane	Member

## 7. Cultural Activities Club:

Sr. No.	Name	Duty assigned
I	Mr. D. N. Jamale	Convener
П	Mr. F. R. Patel	Member
Ш	Miss. S. D. Madake	Member
IV	Mrs. A. A. Deshmukh	Member
V	Mr. R. V. Waghe	Member

## 8. Sports & Fitness Club:

Sr. No.	Name	<b>Duty assigned</b>
I	Mr. S. D. Kumbhar	Member
II	Mr. F. R. Patel	Member
Ш	Mr. S. T. Mane	Member

## 9. Scholarship Committee:

Sr. No.	Name	<b>Duty assigned</b>
I	Mr. R. V. Waghe	Member
II	Mr. A. A. Pade	Member

#### GENERAL ADMISSION RULES FOR SELF-FINANCED COURSES

#### **Seats**

The total numbers of seats in the BBA course is 60, in BCA course are 120, in B. Sc. (CS) course is 120 and in M. Sc. (CS) is 30 and are distributes as under:

Sr. No.	Category	Reserved Seats
1.	Scheduled Castes (SC)	13%
2.	Scheduled Tribes (ST)	7%
3.	Vimukta Jati (VJ-A)	3%
4.	Nomadic Tribes (NT-B)	2.5%
5.	Nomadic Tribes (NT-C)	3.5%
6.	Nomadic Tribes (NT-D)	2%
7.	Special Backward Class (SBC)	2%
8.	Other Backward Class (OBC)	19%
9.	Socially and Educationally Backward Class (SEBC)	10%
10.	Economically Weaker Section (EWS) (within General)	10%
11.	Open (General)	28%

 $<sup>\</sup>ast\ast$  Socially and Educationally Backward Class (SEBC) 10% reservation as per notification dated 27-2-2024 and 26-12-2024

### **Eligibility Criteria**

#### **Bachelor of Computer Application (B.C.A)**

A candidate, who has passed his H.S.C examination from any stream from Maharashtra State Board of Secondary & Higher Secondary Education, Pune, or any other examination equivalent thereto, is eligible to join the First Semester of Bachelor of Computer Application (BCA) Course.

#### ΛR

A candidate who has passed Diploma of Engineering from the Board of Technical Education Govt. of Maharashtra or any other examination equivalent thereto shall be eligible to join the first semester of Bachelor of Computer Application (BCA) Course.

#### **Bachelor of Business Administration (B.B.A)**

A candidate seeking admission to Bachelor of Business Administration (B.B.A) course should have passed Higher Secondary Examination (10+2 stage) or any other equivalent examination thereto. A candidate who has passed 10+2 examination conducted by the Board to Technical Education Maharashtra or equivalent thereto shall also be eligible for admission to this course.

A student who has passed the Minimum Competency Based Vocational Course (MCVC) at 10+2 level shall also be eligible for admission to this course. A student seeking the admission to this course must have obtained at least 40% marks at the qualifying examination.

#### **Bachelor of Science (Computer Science)**

A Candidate must have passed the higher secondary (multipurpose) examination conducted by H.S.C. board Government of Maharashtra with Science / technical subjects Or an Examination of any statutory University and Board recognized as equivalent thereto.

#### OR

A Candidate must have passed examination prescribed at the end of second year of the junior college conducted by the H.S.C. board, Government of Maharashtra with English, Second language, Physics, Chemistry, Mathematics and or Biology or one of the technical subjects prescribed at the said examination as the optional or elective subjects or an examination recognized as equivalent thereto.

#### OR

Candidate have passed vocational course (MCVC) with Computer techniques / I.T. / Electronics.

#### OR

Three years Diploma Couse in engineering conducted by the board of technical Education, Maharashtra State

#### M. Sc. (Computer Science)

#### **Eligibility:**

A Candidate shall be admitted to first year for the Master of Science (Computer Science) in the faculty of science and Technology provided that candidate must pass computer science as one of the optional subjects at B.Sc. level /B.E./ Any other bachelor's Degree in Computer Science of this university or any other university recognized as equivalent there to with minimum of 50% marks (45% of marks for reserved category) In case of vacancies not filled due to non-availability of students with above mentioned criteria, the students with B.Sc. Physics/ Electronics/Mathematics as one of the optional subjects may also be considered for the admission.

#### **Basis of Admission**

The student must fill the Registration form to get admission. The selection process will be on a Merit basis of marks obtained by candidates in the 12<sup>th</sup> Board Examination.

## **Dress Code**

A formal dress implies the cultivation of a special attitude and also adds to personality development.

Dress Code for Boys	Dress Code for Girls
Sky Blue Shirt with Formal Neavy Blue Trousers, Blue Tie, and Formal Black Leather Shoes with Laces and Black Leather Belt.	Punjabi Dress With Sky Blue Top and Neavy Blue Pant with Blue Jacket. Formal Black Leather Shoes and Black Leather Shoes with Strip/ Black formal Bellies Black Socks and.

Note: Dress code is compulsory and strictly to be followed by the students. Violators will be fined Rs.100 per day.

## Curriculum Structure Bachelor of Computer Applications (BCA) Honours Academic Year 2024-2025

## **Semester -I**

				Total Lectures		Scheme o	of Exa	minatio	on
Course Typ	oe	Course Code	Course Tile	(Teaching Lectures /week)	Credits	Max Marks	UA	IA	Min Marks
			DSC : Discip	line Specific Co	ore				
Major-1	DSC-1	BCA101T	Fundamentals of Computer	02 hrs/per week	02	50	30	20	20
(M1)	DSC-1	BCA102P	Fundamentals of Computer-Lab	04 hrs/per week	02	50	30	20	20
Major-2 (M2)	DSC-2	BCA103T	Principles of Management	04 hrs/per week	04	100	60	40	40
Major-3 (M3)	DSC-3	BCA104T	Accountancy-I	04 hrs/per week	04	100	60	40	40
		(	GE/OE : Generic/Open		oose any on	ie)			•
Generic/ Open	GE	BCA105T	A] Operating System-I	02 hrs/per week	02		20	20	
Elective (Choose any one)	Choose /OE-1		B] Computer Hardware-I	02 hrs/per week		50	30	20	20
ully olie)		S	EC : Skill Enhanceme	nt Course (Ch	oose any oi	ne)			
	SEC-1	BCA106T	A] M. S. Office A] M. S. Office- Lab	01 hrs/per					
				week		50			
SEC : Skill				02 hrs/per week					
Enhance ment Course			B] Web Development using HTML B] Web Development using HTML - Lab	01 hrs/per week	02		30	20	20
(Choose any one)	SEC-2	BCA106P		02 hrs/per week					
			AEC, VEC, IKS : (	Common for a	ll Faculty)	1			
AEC, VEC,	AEC -1	BCA107T	English (Common for all the faculty)	02 hrs/per week	02	50	30	20	20
IKS	IKS-1	BCA108T	To offered by University	02 hrs/per week	02	50	30	20	20
				/CEP/CC/RP				,	
OJT/ FP/CEP/ CC/RP	CC-1	BCA109P	Health & Wellness ( Common for all the faculty)	02 hrs/per week	02	50	30	20	20
		1	1	ı	22	550		1	1

## Semester -II

		Course		Total Lectures		Scheme	of Exa	minat	ion
Course Ty	Course Type		Course Tile	(Teaching Lectures /week)	Credits	Max Marks	UA	IA	Min Marks
	DSC : Discipline Specific Core								
Major-1	DSC -4	BCA201T	Programming in C	02 hrs/per week	02	50	30	20	20
(M1)		BCA202P	Programming in C- Lab	04 hrs/per week	02	50	30	20	20
Major-2 (M2)	DSC -5	BCA203T	Business Statistics	04 hrs/per week	04	100	60	40	40
Major-3 (M3)	DSC -6	BCA204T	Accountancy-II	04 hrs/per week	04	100	60	40	40
		(	GE/OE : Generic/Open I		se any one)				
Generic/ Open Gl	GE/	BC A 705 T	A] Operating System- II	02 hrs/per week	02	<b>5</b> 0	20	20	20
Elective ( Choose any one )	ose OE-2		B] Computer Hardware-II	02 hrs/per week		50	30	20	20
uny one)		1	/SE: Vocational Skill C	Courses (Choo	se any one)		<u> </u>		
VSC:	VSC-1		A] E-Business	01 hrs/per week	02		30	20	20
Vocation al Skill Courses		BCA206P	A] E-Business Lab	02 hrs/per week		50			
( Choose any one )	VSC-2		B] Data Structure using C B] Data Structure using C -Lab	01 hrs/per week 02 hrs/per week					
			AEC, VEC, IKS: (0	Common for all	Faculty)				
AEC,	AEC-2	BCA207T	English (Common for all the faculty)	02 hrs/per week	02	50	30	20	20
VEC, IKS	VEC-1	BCA208T	Constitution of India (Common for all the faculty)	02 hrs/per week	02	50	30	20	20
			OJT/ FP/C	CEP/CC/RP					
OJT/ FP/CEP/ CC/RP	CC-2	BCA209P	Yoga Education / Sports and Fitness ( Common for all the faculty)	02 hrs/per week	02	50	30	20	20
			· • • • • • • • • • • • • • • • • • • •		22	550		1	

## **Semester -III**

		C		Total Lectures		Scheme	of Exa	minat	tion	
Course Type		Course Code	Course Tile	(Teaching Lectures /week)	Credits	Max Marks	UA	IA	Min Marks	
			DSC : Disciplin		e					
	DCC #	BCA301T	DBMS	02 hrs/per week	02	50	30	20	20	
Major-	DSC -7	BCA302P	DBMS-Lab	04hrs/per week	02	50	30	20	20	
(Core) Mandatory	DSC -8	BCA303T	OPPS Using C++	02 hrs/per week	02	50	30	20	20	
		BCA304P	OPPS Using C++ - Lab	04hrs/per week	02	50	30	20	20	
Mi	nor (Choos	e any one fro	m each pool of course)	It is from diffe	erent disci	oline of the	same fa	aculty		
Minor	MANI 1	DC A 20 CT	A] Entrepreneurship Development	02 hrs/per week	02	70		20		
	MN-1	BCA306T	A] MIS & DSS	02 hrs/per week		50	30	20	20	
	MN-2	DC 4 207T	B] Functional Management	02 hrs/per week	02	50		20	20	
		BCA307T	B] Mathematics	02 hrs/per week	02	30	30	20	20	
		GE	OE : Generic/Open E	lective (Choo	se any one)					
Generic/O	GE /OE-3	BCA308T	A] Advance Web Development Technology	02 hrs/per week				20		
Elective ( Choose any			B] Digital Electronics	02 hrs/per week	02	50	30		20	
one )			C] Linux	02 hrs/per week						
			VSC : Vocat	tional Skill Courses (Choose any one)						
WVSC:	VSC-3		A] Business Law	01 hrs/per week						
Vocational Skill	VSC -4	BCA309P	<b>B</b> ] Advance Web Tech	01 hrs/per week	02	50	30	20	20	
Courses ( Choose any	VSC-3		A] Business Law- Lab	02 hrs/per week	02	30	30	20	20	
one )	VSC -4		<b>B</b> ] Advance Web Tech -Lab	02 hrs/per week						
		A	EC, VEC, IKS : (C	Common for all	Faculty)					
AEC, VEC, IKS	AEC-3	BCA310T	Modern Indian Language (MIL-1) (Common for all the faculty)	02 hrs/per week	02	50	30	20	20	
			OJT/ FP/C	EP/CC/RP	1					
OJT/	FP	BCA309P	Field Project	04 hrs/per week	02	50	30	20	20	
FP/CEP/C C/RP	CC-3	BCA310P	Cultural Activity / NSS, NCC (Common for all the faculty)	04 hrs/per week	02	50	30	20	20	
			• /		22	550	1	t		

# Semester –IV

		Course		Total Lectures		Scheme o	of Exa	minat	ion
Course Type	Course Type		Course Tile	(Teaching Lectures /week)	Credits	Max Marks	UA	IA	Min Marks
DSC : Discipline Specific Core									
Major-	DSC - 9	BCA401T	Java Programming	02 hrs/per week	02	50	30	20	20
(Core) Mandatory	DSC - 10	BCA403P	Java Programming – Lab	04 hrs/per week	02	50	30	20	20
	DSC - 11	BCA404T	Cost Accountancy	04 hrs/per week	04	100	60	40	40
Mi	nor (Choose	any one from	each pool of course)	It is from diffe	erent discip	oline of the	same fa	aculty	
Minor	MN-3	BCA405T	A] Business Communication A] Life Skills	02 hrs/per week 02 hrs/per week	02	50	30	20	20
Minor	MN-4	BCA406T	B] Quantitative Aptitude B] Event Management	02 hrs/per week 02 hrs/per week	. 02	50	30	20	20
		CF/	OE : Generic/Open E		co ony ono)				
		GE/U	A Advanced	02 hrs/per	se any one)				
Generic/Op en Elective (Choose	<b>GE /OE-4</b> BCA407	BCA407T	Networking  B] Linux Server Management	week 02 hrs/per week	02	50	30	20	20
any one)			C] Data Analytics using MS-Excel	02 hrs/per week					
		SEC	: Skill Enhance Co	ourses (Choos	se any one)				
SEC : Skill	SEC-3	BCA408T	A] RDBMS Using oracle B) Web Services using XML	01 hrs/per week 01 hrs/per week	02	50	30	20	20
Enhance Courses	SEC-4	BCA408P	A] RDBMS Using oracle Lab B) Web Services using XML Lab	02 hrs/per week 02 hrs/per week		30	30	20	20
		AI	EC, VEC, IKS : (C	common for all	Faculty)	T T			
AEC, VEC, IKS	AEC-4	BCA409T	Modern Indian Language (MIL- 2) (Common for all the faculty)	02 hrs/per week	02	50	30	20	20
				CEP/CC/RP					
OFT/	CEP-1	BCA410P	Community engagement and Service	04 hrs/per week	02	50	30	20	20
OJT/ FP/CEP/C C/RP	CC-4	BCA411P	(Fine/ Applied/ Visual/ Performing Arts) (Common for all the faculty)	04 hrs/per week	02	50	30	20	20
					22	550			

## Semester –V

		Course		Total Lectures		Scheme	of Exai	ninatio	on
Course Type	Course Type		Course Tile	(Teaching Lectures /week)	Cre-dits	Max Marks	UA	IA	Min Mark s
			DSC : Discipline						
Major-	DSC -12	BCA501T	Basic of Android	02 hrs/per week	02	50	30	20	20
(Core) Mandatory	DSC -13	BCA503P	Basic of Android Lab	04 hrs/per week	02	50	30	20	20
	DSC -14	BCA504T	Management Accounting	04 hrs/per week	04	100	60	40	40
	DSE	: Discipline S	pecific Elective (Choo	se any one fr	om each po	ol of cours	e)		
	DSE -1	BCA505T	A] Sensors Technology	02 hrs/per week	02	50	30	20	20
DSE: Discipline	DSE -1	BCA506T	A] Software Engineering	02 hrs/per week	02	30	30	20	20
Specific Elective	DSE -2	BCA507P	B] Sensors Technology -Lab	04 hrs/per week	02	50	30	20	20
	DSE -2	BCA508P	B] Software Engineering -Lab	04 hrs/per week	02	50	30	20	20
Mir	or (Choose a	any one from	each pool of course) It		rent discip	oline of the	same fa	culty	
	MN-5	BCA509T	A] Digital Marketing A] Fundamentals of Insurance	02 hrs/per week 02 hrs/per week	02	50	30	20	20
Minor	MN-6	BCA5010 T	B] Fundamentals of Banking B] E-Commerce	02 hrs/per week 02 hrs/per week	02	50	30	20	20
	VSC	: Vocational	Skill Courses (Choo	se any one fro	om each po	ol of course	e)		l.
		BCA511T	A] ASP.NET	02 hrs/per week			- /		
VSC : Vocational Skill	VSC-5		B] Web Development using PHP	02 hrs/per week	02	50	30	20	20
Courses (Choose			A] ASP.NET- Lab	04 hrs/per week					
any one)	VSC -6	BCA512P	B] Web Development using PHP Lab	04 hrs/per week	02	50	30	20	20
		OJT/ FP/C	EP/CC/RP (Choose ei		pool of co	urses)			
OJT/ FP/CEP/C	FP/CEP-		Field Project	04 hrs/per week	02	50	30	20	20
C/RP	2 E	BCA513P	Community engagement and service	04 hrs/per week	02	50	30	20	20
					22	550			

# Semester -VI

		Course		Total Lectures		Scheme	of Exa	minat	ion
Course Type	Course Type		Course Tile	(Teaching Lectures /week) Credits	Max Marks	UA	IA	Min Marks	
			DSC : Discipline	Specific Cor	re				
Major-	DSC -15	BCA601T	Python Programming	02 hrs/per week	02	50	30	20	20
(Core) Mandatory	DSC -16	BCA603P	Python Programming lab	04 hrs/per week	02	50	30	20	20
Mandatory	DSC -17	BCA604P	Marketing Management	04 hrs/per week	04	100	60	40	40
	DSC-18	BCA605T	IKS 2	02 hrs/per week	02	50	30	20	20
	DSE	: Discipline S	pecific Elective (Cho	ose any one fr	rom each p	ool of cours	se)		
	DSE -3	BCA606T	Software Testing	02 hrs/per week	- 02	50	30	20	20
SE: Discipline			Internet of Things (IOT)	02 hrs/per week		30	30	20	20
Specific Elective	DSE -4	BCA607P	Software Testing- Lab	04 hrs/per week	- 02	50	30	20	20
			Internet of Things (IOT)-Lab	04 hrs/per week		30			20
Mir	or (Choose a	ny one from	each pool of courses)	It is from diff	ferent disci	ipline of the	e same f	aculty	7
	MN-7	BCA608T	A] Financial Management	02 hrs/per week	02	50	30	20	20
Minor	1,21 ( )		A] Cyber Law	02 hrs/per week	02	30	30	20	20
	MN-8	BCA609T	B] Company Law	02 hrs/per week	02	50	30	20	20
	17111-0		B] Auditing	02 hrs/per week			30	20	20
		OJT/ FP/C	CEP/CC/RP (Choose	any one from	pool of cou	urses)			
OJT/ FP/CEP/CC /RP	OJT-1	BCA610T	On Job Training	08 hrs/per week	04	100	60	40	40
					22	550			

# Curriculum Structure Bachelor of Business Administration (BBA) Honours Academic Year 2024-2025

#### **Semester-I**

Note: Major M1 (Human Resource Management) M2 (Financial Management) M3 (Marketing) "Office Organization & Management" course with be offered in first semester as GE/OE for students other than Commerce

**Management Faculty** 

Sr.			First Semester		Total	
No.	Course Type	Course Code	Course Name	Credits	Credits	
	Major1 (Core) M1 Mandatory (Human Resource Management)	DSC-1	Principles of Management& OB	4		
1	Major2 (Core) M2 Mandatory (Financial Management)	DSC-2	Fundamentals of Finance	4	12	
	Major3 (Core) M3 Mandatory (Marketing)	DSC-3	Introduction to Marketing	4		
2	Major Electives					
3	Minor					
4	GE/OE (Generic / Open Elective (Choose anyone from pool of courses)It should be chosen compulsorily from the faculty other than that of Major	GE/OE -1		2	2	
5	VSC					
6	SEC (Skill Enhancement Courses) (Choose anyone from pool of courses)	SEC-1.1 SEC-1.2 SEC-1.3	Statistical Analysis Business Communication Office Automation -1	2	2	
7	AEC(Ability Enhancement Courses) (Common for all faculty)	AEC-1	English	2		
8	VEC				1	
9	IKS(Indian Knowledge System) Courses(Common for all faculty)	IKS-1	To be offered by University	2	4	
10	OJT					
11	FP					
12	CEP					
13	CC(Co-curricular Courses) (Common for all faculty)	CC-1	Health & Wellness (To be offered by University)	2	2	
14	RM					
15	RP					
					22	

Note: "Personnel Administration" course with be offered in second semester as GE/OE for students other than Commerce Management Faculty

## Semester -II

Sr.			Second Semester		Total
No.	Course Type	Course Code	Course Name	Credits	Credits
	Major1 (Core)M1 Mandatory (Human Resource Management)	DSC-4	Human Resource Management	4	
1	Major2(Core)M2 Mandatory (Financial Management)	DSC-5	Financial Management	4	12
	Major3(Core)M3 Mandatory (Marketing)	DSC-6	Marketing Management	4	
2	Major Electives				
3	Minor				
4	GE/OE (Generic / Open Elective)(Choose any one pool of courses) It should be chosen compulsorily from the faculty other than that of Major	GE/OE -2		2	2
5	VSC (Vocational Skill Courses) (Choose any one from pool of courses)	VSC-1.1 VSC-1.2 VSC-1.3	Role Play and Simulation Book keeping and Computerized Accounting I.T. Application in Business	2	2
6	SEC				
7	AEC(Ability Enhancement Courses) (Common for all faculty)	AEC-2	English To be Provided by the University	2	
8	VEC(Value Education Courses) (Common for all faculty)	VEC-1	Constitution of India To be Provided by the University	2	4
9	IKS				
10	OJT				
11	FP				
12	CEP				
13	CC(Co-curricular Courses) (Common for all faculty)	CC-2	Yoga education/Sports &Fitness To be provided by the university	2	2
14	RM				
15	RP				
					22

## **Semester -III**

Note: "Retail Management" course with be offered in third semester as GE/OE for students other than Commerce

## **Management Faculty**

Sr.			Third Semester		Total
No.	Course Type	Course Code	Course Name	Credits	Credits
	Major(Core) Mandatory	DSC-7	Employability skills	4	
	Group-A: (Human Resource Management)	DSC-8	Human Factor in Business	4	
1	Group-B: (Finance)	DSC-7	Direct Taxation	4	8
		DSC-8 Financial Modeling		4	
	Group-C: (Marketing)	DSC-7	Behavioral Marketing	4	
		DSC-8	Brand Management		
2	Major. Elective				
	Minor (Choose any one from	MH-1.1	Employability skills		
	pool of courses) Group- A: (Human Resource Management)	MH-1.2	Human Factor in Business	4	
3	Group-B: (Finance)	MF-1.1	Direct Taxation	4	4
		MF-1.2	Financial Modeling	4	
	Group-C: (Marketing)	MM-1.1	Behavioral Marketing	4	
		MM-1.2	Brand Management	4	
4	GE/OE(Generic/Open Elective)(Choose any one from pool of courses) It should be chosen Compulsorily from the faculty other than that of Major	GE/OE-3		2	2
5	VSC (Vocational Skill Courses)(Choose any one from pool of courses)	VSC-2.1 VSC-2.2 VSC-2.3	Job Design & Analysis Fund Flow/ Cash Flow Analysis Market Survey	2	2
6	SEC				
7	AEC(Ability Enhancement Courses) (Common for all faculty)	AEC-3	English/ Hindi/ Marathi	2	2
8	VEC				
9	IKS				
10	OJT				_
11	FP(Field Project)	FP-1	Field Project	2	_
12	CEP				_
13	CC(Co-curricular Courses) (Common for all faculty)	CC-3	Cultural Activity/NSS, NCC	2	4
14	RM				]
15	RP				
					22

## Semester –IV

Sr.			Fourth Semester		Total
No.	Course Type	Course Code	Course Name	Credits	Credits
	Major(Core) Mandatory	DSC-9	Training & Development	4	
	Group-A: (Human Resource Management)	DSC-10	Industrial Relations	4	
1	Group-B: (Finance)	DSC-9	Working Capital Management	4	8
		DSC-10	Banking & Indian Financial System	4	
	Group- C: (Marketing)	DSC-9	Marketing Research	4	
		DSC-10	Digital Entrepreneurship	4	
2	Major Electives				
	Minor (Choose any one from	MH-2.1	Training & Development		
	pool of courses) Group- A : (Human Resource Management)	MH-2.2	Industrial Relations	4	
3	Group-B: (Finance)	MF-2.1	Working Capital		4
3		IVII -2.1	Management	4	4
		MF-2.2	Banking & Indian	4	
		IVII '-2.2	Financial System		
	Group-C : (Marketing)	MM-2.1	Marketing Research	4	
		MM-2.2	Digital Entrepreneurship	4	
4	GE/OE(Generic/Open Elective) (Choose any one from It Should be chosen compulsorily from the faculty other than that of Major	GE/OE-4		2	2
5	VSC				
6	SEC (Skill Enhancement Courses)(Choose any one from pool of courses)	SEC-2.11 SEC-2.2 SEC-2.3	Case Study Analysis Accounting for Managers Applications of social Networking	2	2
7	AEC(Ability Enhancement Courses) (Common for all faculty)	AEC-4	Modern Indian Language (MIL-2)	2	2
8	VEC				
9	IKS				
10	OJT				
11	FP				
12	CEP(Community Engagement Project) (Common for all faculty)	CEP-1	Community Engagement Project	CEP-1	4
13	CC(Co-curricula r Courses) (Common for all faculty)	CC-4	(Fine/ Applied/ Visual/ Performing Arts)	2	
14	RM				_
15	RP				
					22

## Semester -V

C.,			Total			
Sr. No.	Course Type	Course Code	Course Name	Credits	Credits	
	Major(Core) Mandatory Group-A: (Human Resource Management)	DSC-11	Indian Labor Market & Employee Welfare Practices	4		
1		DSC-12	Performance Management System	4		
1	Group-B: (Finance)	DSC-11	Indirect Tax	4	8	
		DSC-12	Banking & Indian Financial System	4		
	Group-C: (Marketing)	DSC-11	Entrepreneurship	4		
		DSC-12	Tourism Management	4		
	Major Electives(Choose	DSE-H-1.1	Knowledge Management			
	anyone from pool of courses) Group-A: (Human Resource Management)	DSE-H-1.2	Human Resource Accounting	4		
2	Group-B: (Finance)	DSE-F-1.1	Merchant Banking & Financial Services	4	4	
		DSE-F-1.2	International Financial Management	7		
	Group-C: (Marketing)	DSE-M-1.1 DSE-M-1.2	Digital Entrepreneurship Rural Entrepreneurship	4		
	Minor (Choose any one from pool of courses)	MH3.1	Indian Labour Market & Employee Welfare Practices	4		
	Group- A : (Human Resource Management)	MH3.2	Performance Management System			
3	Group-B: (Finance)	MF-3.1	Indirect Tax	,	4	
		MF-3.2	Banking & Indian Financial System	4		
	Group-C: (Marketing)	MM-3.1 MM3.2	Entrepreneurship Tourism Management	4		
4	GE/OE					
5	VSC (Vocational Skill Courses)(Choose any one	VSC-3.1 VSC-3.2 VSC-3.3	Business Legislation Optimization Techniques Event Management	2	4	
	from pool of courses)					
6	SEC					
7	AEC					
8	VEC					
9	IKS					
10	OJT		Field Ducies		-	
11	FP(Field Project) CEP(Community Engagement Project) (Common for all faculty)	FP-2/CEP-2	Field Project  Field Project/Community  Engagement Project	2	2 (FP-2/	
13	CC				CEP-2)	
14	RM				1	
15	RP				<u></u>	
					22	

# Semester -VI

Sr.		Sixth Semester		Total	
No.	Course Type	Course Code	Course Name	Credits	Credits
	Major(Core) Mandatory Group-A: (Human	DSC-13	Employee Engagement Practices	4	
	Resource Management)	DSC-14	Training & Development	4	
Í		DSC-15	Employee Quality of Work Life	2	
1	Group-B: (Finance)	DSC-13	Money & Banking	4	10
1		DSC-14	Managerial Economics	4	10
Ī		DSC-15	Budgeting	2	
İ	Group-C: (Marketing)	Group-C: (Marketing) DSC-13 New Product Development			
Ī		DSC-14	Sales Force Management	4	
Ī.		DSC-15	Advertising Management	2	
	Major Electives (Choose anyone from pool of courses) Group-A: (Human Resource Management)	DSEH 2.1	Indian Labor Market	4	
2		DSEH 2.2	Employee Compensation Management		4
Ī	Group-B: (Finance)	DSE-F 2.1	Import Export Procedures	4	
Ī		DSE-F 2.2	Risk Management	7	
Ī	Group-C: (Marketing)	DSEM 2.1	Sustainable Marketing	4	
		DSEM 2.2	Influencer Marketing	•	
l	Minor (Choose any one from pool of courses)	MH-4.1	Employee Engagement Practices		
3	It is from different discipline of the same faculty. Group- A: (Human Resource Management)	MH-4.2	Training & Development	4	4
Ī	Group- B: (Finance)	MF-4.1	Money & Banking	4	
í		MF-4.2	Managerial Economics	4	
ĺ	Group- C: (Marketing)	MM-4.1	New Product Development	4	
	GE/OE	MM-4.2	Sales Force Management		
5	VSC				
6	SEC				
7	AEC				
8	VEC				
9	IKS				
10	OJT(On Job Training)	OJT-1	OJT	4	
11	FP		~v1		1
12	CEP				1 .
13	CC				4
14	RM				1
15	RP				1
	1				22

# Curriculum Structure Bachelor of Science in Computer Science (B. Sc. CS) Honours Academic Year 2024-2025

Structure of B. Sc. Computer Science (Three / Four Years Honors / Honors with Research Degree) Programme with Multiple Entry and Exit Options

BSc (CS) First Year: 1st Semester

Course Type	Course	Course Name	Teaching Scheme (Hrs./Week)		Credits	Total Credits	
• •	Code		Theory	Practical	Theory	Practical	Credits
Major ( Core) M I	DSC- I	Programming in C	2		2		2+2 =
Mandatory	DSC-2	Practical based on DSC-1		4		2	4
Major (Core) M2	DSC-3	DBMS	2		2		
Mandatory	DSC-4	Practical based on		4		2	2+2 = 4
Major (Core) M3	DSC-5	Operating	2		2		
Mandatory	DSC-6	Practical based on		4		2	2+2 = 4
Generic / Open Elective ( GE/OE) (Choose any two from pool of courses) It should be chosen the faculty other than that of Major	GE/OE- I	To be chosen from other faculty	2		2		2
SEC (Skill Enhancement Courses)	SEC-1	A) HTML and CSS B)PC Maintenance	1		1		2
(Choose any one from pool of courses)	SEC-2	Practical's based on SEC-1 A OR Practical's based on SEC-1 B		2			
	AEC-1	English ( Common for all the faculty)	2		2		2+2=
AEC, VEC, IKS	1KS1	Choose any one from pool of courses	2		2		2+2 = 4
OJT/ FP/CEP/CC/RP	CC- I	Health and Wellness ( Carmon for all the faculty)		4		2	2
			13	18	13	09	22

GE/OE-1: Cyber Security (This Course will be available for the students from other faculty)

# BSc (CS) First Year: 2<sup>nd</sup> Semester

Course Type	Course Code	Course Name	(Hrs./V		Credits A		Total Credits
			Theory	Practical	Theory	Practical	
Major ( Core) M i Mandatory	DSC-7	Programming in C++	2		2		2+2=4
·	DSC-8	Practical based on DSC-7		4		2	
Major ( Core) M2 Mandatory	DSC-9	Advanced DBMS	2		2		2+2 = 4
	DSC-10	Practical based on DSC-9		4		2	
Major ( Core) M3 Mandatory	DSC-11	Linux Operating System	2		2		2+2 = 4
·	DSC-12	Practical based on DSC-11		4		2	
Generic / Open Elective (GE/OE) (Choose any two from pool of courses) It should be chosen compulsorily from the faculty other	GE/OE-2	To be chosen from other faculty	2		2		2
VSC ( Vocational Skill Courses)	VSC-I	A) JavaScript B) Basics of Networking	1		1		2
(Choose any one from pool of courses)	VSC-2	Practical's based on VSC-I A OR Practical's based on VSC-I B		2		1	
	AEC-1	English (Common for all the faculty)	2		2		
AEC, VEC, IKS	VEC-1	Constitution of India ( Common for all the faculty)	2		2		2+2 =4
OJT/ FP/CEP/CC/RP	CC2	Yoga Education / Sports and Fitness ( Common for all the faculty)		4		2	2
			13	18	15	09	22

Exit Option : **Award of UG Certificate** in 3 **Majors** with 44 credits and **an additional** 4 **credits of core**NSQF course f Internship OR continue with **Major and** Minor

# Curriculum Structure Master of Science in Computer Science (M. Sc. CS) Honours Academic Year 2024-2025

## M.Sc (CS) Semester I

Course Type	e Type Course Code Course Name		Н	ching rs.	Assi	edits gned	Total Credits
			TH	PR	TH	PR	
	CCS/MJT/500	Introduction to Algorithms: Theory, Practice and Case study	02		02		
	CCS/MJT/501	Data Visualization	02		02		
Discipline	CCS/MJT/502	Sensors and Actuators	02		02		
Specific Courses (Major Mandatory) -	CCS/MJP/500	Practical Based on Introduction to Algorithms: Theory, Practice and Case study		04		02	14
DSC	CCS/MJP/501	Practical Based on Data Visualization		04		02	
	CCS/MJP/502	Practical Based on Sensors and Actuators		04		02	
Skill/ Advance Course	CCS/MJP/50-507	Programming-1	00	04		02	
Discipline	CCS/DSET/520-524	Elective-1"	02		02		02
Specific Electives - DSE	CCS/DSEP/520-524	Elective-1"		04		02	02
Research Methodology	CCS/RMT/530	Research Methodology	04		04		04
		Total	12	20	12	10	22

## M.Sc (CS) Semester II

Course Type	Course Code	Course Name	Teacl Hr	_	Credits Assigned		Total Credits
71			TH	PR	TH	PR	
	CCS/MJT/550	Digital Image Processing & Analytics	02		02		
	CCS/MJT/551	Statistical Machine Learning	02		02		
Discipline Specific	CCS/MJT/552	Microcontroller Programming using Python	02		02		
Specific Courses (Major Mandatory)-	CCS/MJP/550	Practical Based on Digital Image Processing & Analytics		04		02	14
DSC	CCS/MJP/551	Practical Based on Statistical Machine Learning		04		02	14
	CCS/MJP/552	Practical Based on Microcontroller Programming using Python		04		02	
Skill/ Advance Course	CCS/MJP/553-557	Programming-2"	00	04		02	
Discipline Specific	CCS/DSET/570- 574	Elective-2"	02		02		02
Electives - DSE	CCS/DSEP/570 - 574	Elective-2"		04		02	02
On-Job Training	CCS/OJT/590	On-Job Training/ Field Project		04		04	04
		Total	08	24	08	14	22

# M.Sc (CS) Semester III

Course Type	Course Code	Course Name	Teacl Hr	_	Credits Assigned		Total Credits
71			TH	PR	TH	PR	
	CCS/MJT/600	Computer Vision	02		02		
	CCS/MJT/601	Data Mining and Warehousing using python	02		02		
	CCS/MJT/602	Internet of Things (IoT)	02		02		
Discipline Specific	CCS/MJP/600	Practical Based on Computer Vision		04		02	
Courses (Major Mandatory)- DSC	CCS/MJP/601	Practical Based on Data Mining and Warehousing using python		04		02	14
	CCS/MJP/602	Practical Based on Internet of Things (IoT)		04		02	
Skill/ Advance Course	CCS/MJP/603-607	Programming-3"	00	04		02	
P Discipline	CCS/DSET/620-624	Elective-1"	02		02		04
Specific Electives -DSE	CCS/DSEP/620-624	Elective-1"		04		02	
Research Project	CCS/RP/649	Research Project -1		08	04		04
		Total	08	28	12	10	22

# M.Sc (CS) Semester IV

G T	G G 1	G N	Teaching Hrs.		Credits		Total
Course Type	Course Code	Course Name			Assigned		Credits
			TH	PR	TH	PR	
	CCS/MJT/650	Artificial Intelligence	02		02		
	CCS/MJT/651	Data Analytics	02		02		
Discipline	CCS/MJT/652	IoT and Cloud: Concept, Case Study and Application	02		02		
Specific Courses (Major	CCS/MJP/650	Practical Based on Artificial Intelligence		04		02	12
Mandatory) DSC	CCS/MJP/651	Practical Based on Data Analytics		04		02	
	CCS/MJP/652	Practical Based on IoT and Cloud: Concept, Case Study and Application		04		02	
Discipline	CSC/DSET/670 -674	Elective-2#	02		02		04
Specific Electives – DSE	CSC/DSEP/670 -674	Elective-2#		04		02	
Research Project	CSC/RP/699	Research Project -2	00	12		06	06
		Total	08	28	08	14	22

#### **Facilities:**

#### The Library

Our College has a well-equipped Library situated in the college building. College Library offers calm environment for study and reading away from hustle and bustle of the college. Keeping in view the need of modern education system an e-resource center is also created with computers and broadband facility is also available. The library has 3500 books on different subjects to fulfill the need of its users. To nurture the interest among students for current affairs and general knowledge the library has subscribed to 04 newspapers, 06 Journals. The library is computerized and it has Master software for easy management of its resources.

#### **Library Rules:**

- A student must bring his/her library card to get the books issued in his/her name.
- Only two books are issued to a student at a time for a period of 14 days.
- Reference Books/ D Dictionaries/ Newspapers/ Periodicals will not be issued
- If the issued books are not returned by due date, fine at the rate of Rs.1 per book per day will be charged.
- In case of loss or damage of any issued book, it will either be replaced or its payment of present cost will be accepted with permission of Principal.
- Library Card is an important document student must carry every day. In case of loss of Card, an application to the Principal along with payment of Rs 50/-duplicate library-Card will be issued.
- Library Card should be collected from the Librarian as per schedule notified by the librarian.

### **Computer Labs**

Keeping in view the growing importance of computers in professional courses, the college has established two well-equipped computer labs to keep the students abreast with the latest computer knowledge. The computers are Intel machines powered by the latest configuration. Our computer facility offers a wide range of software to cater to various academic needs. You'll have access to the latest Microsoft products, including Microsoft Office Suite, which includes Word, Excel, PowerPoint, and more. For those interested in software development and enterprise solutions, we provide the industry-standard Red Hat Enterprise Edition. The Labs have connectivity with access to the internet. The main computer lab has 40 computers in networking and there is an additional computer lab for students which have 25 computers with internet facility and networking. At the central computer facility, we strive to create an environment that fosters creativity, collaboration, and innovation.

#### **Rules for Computer Lab**

- 1) Lab computers are for academic and research use. Personal e-mailing, chatting and games are not permitted.
- 2) Setting of the computers should not be changed.
- 3) No personal CDs, Pen Drives and Memory Cards are allowed in computer lab.
- 4) Internet facility can be availed with the prior permission of a teacher.
- 5) Accessing prohibited sites may invite penalty or suspension from Lab/ College.

# **Our Infrastructure**



## **Fee structure**

# Fees structure for academic year 2025-26

Particulars\Class	BBA	BCA	<b>B.Sc.</b> ( <b>C.S.</b> )	<b>M.Sc.(C.S.)</b>
Tuition fee	15735	17900	15735	15735
Other Fees	5385	12285	12285	12185
Total Fees per year	21120	30185	28020	27920

# Last year fees structure (for IInd and IIIrd year students)

Particulars\Class	BBA	BCA	<b>B.Sc.(C.S.)</b>	M.Sc.(C.S.)
Tuition fee	15735	17900	15735	15735
Other Fees	5385	12285	12285	14485
Total Fees per year	20335	27235	27235	37485

<sup>\*</sup>Note: Fees may change as per Government & University norms.

#### **CODE OF CONDUCT**

#### The Decision of Principal in all matters will be final and binding.

- 1. Students must be seated in the classrooms before the start of the lecture. No student shall enter the class or knock the door after 5(five) minutes of start of the class.
- 2. No student shall be loitering near the classes once the classes are in progress.
- 3. Regular attendance in the class including guest lecturers is compulsory.
- 4. Use of Mobile Phone is strictly prohibited in the college premises. A student using mobile phone in classroom/lab will be fined Rs.500/- and no exemption will be given in any case.
- 5. Every student will submit assignments; project etc. as per periodic directions.
- 6. Misbehavior, Persistence disobedience, habitual late coming, consumption of drug or liquor in the institute, cheating in the examination and any unbecoming act may invite strict disciplinary action including expulsion from the institute.
- 7. Each student is expected to observe the college dress code strictly.
- 8. Each student is expected to be present regularly in the college. Name will be struck-off if a candidate absentees himself continuously for six days. Candidates can get re-admission after satisfying the Principal.
- 9. No student is permitted to undertake any part time/whole time job during the course of study.
- 10. No student is allowed to put posters in college campus or notice board and to hold assembly in college premises or to address on unauthorized assembly in the college campus.
- 11. Any student making loss to the college property will be penalized and the students concerned will have to replace or get the same repaired at his/her own cost.
- 12. Food, breweries and any type of drink are not permitted in the lab/classrooms.
- 13. Students are not allowed to leave the college campus during teaching hours without prior permission.
- 14. Parents will be intimated about the progress of their ward periodically through report card and personal feedback.
- 15. Every student must always carry with him/her duly completed identity card.

### **Ragging and Anti-Social Activities**

Ragging in institute is strictly banned according to the judgment and directions of the Hon'ble Supreme Court of India, Dr. B.A.M. University and guidelines issued by UGC in this regards. The following guidelines will be observed to prevent incidents of ragging in the institute.

- 1. Every candidate seeking admission will give an undertaking duly printed on the application form that he/she will not indulge in ragging and if found guilty he / she will be liable for punishment. A similar undertaking will be obtained from the parents / guardians of applicant.(Fill Annexure-I and II)
- 2. Anti-Ragging committee has been constituted in the college.
- 3. Whenever a ragging incident is brought to the notice of college authorities, the disciplinary committee will hold an enquiry into the incident.
- 4. If any student is found guilty of ragging after the enquiry then he / she will be punishable accordingly. The punishment may include:
  - i. Expulsion from the College
  - ii. Suspension from the classes
  - iii. Fine with a public apology
  - iv. With holding scholarship or other benefits
  - v. Debarring from the representation in events
  - vi. Suspension or expulsion from hostel or mess
  - vii. Legal proceeding under criminal law shall be initiated

If any student is found guilty of ragging incident occurred in the past then he/she may be expelled from the institution.

RAGGING AND ANTI-SOCIAL ACTIVITIES

This College is committed to a zero tolerance policy towards:

1. Ragging:

Ragging is a punishable offence. Ragging of all kind is strictly banned in the college campus.

Anybody caught indulging in this evil exercise shall face penalty under the law. Act remotely

suggestive of ragging should be reported to the college authorities/to the member of anti-ragging

committee. A student who commits the offence of ragging shall be punishable with imprisonment for

Ragging is a CRIME

a term, which may extend to three years or shall or both.

2. Crime against Women.

3. Consumption of Alcohol in the college premises.

4. Misconduct, Hooliganism in college premises.

5. Possession or use of firearms

6. Possession or use of hallucinogenic

In case the applicant for admission is found to have indulged in ragging/indiscipline if the past or if is

noticed later that he has indulged in ragging, admission shall be refused to him/her or he/she shall be

expelled from the institution forthwith Maharashtra University Act, statutes and ordinances as

amended till date log in to University website <a href="www.bamu.ac..in">www.bamu.ac..in</a> Ordinance Vol. I, II, III) Further, In

pursuance to the judgment of the Hon'ble Supreme Court of India dated 08-05-2009 in Civil Appeal

No. 887/2009 the UGC had notified "Regulations on Curbing the Menace of Ragging in Higher

Educational Institutions, 2009". The students of every educational institution are mandatory to fill the

Affidavit Registration Form for Affiliated Colleges as per the link appended below:

https://www.antiragging.in/affidavit\_affiliated\_form.php