



NUTAN VIDYA MANDIR EDUCATION SOCIETY'S

**LATE SOW.KAMALTAI JAMKAR MAHILA MAHAVIDYALAYA, PARBHANI**  
**Department of Computer Science**

### **Introduction**

Information Technology has become a favorite choice not only for students but also for their parents, as it opens the roads for abroad. This popularity of IT is also due to its potential of improving the lives of a common man. A byword for smart life, Information technology has been the main catalyst to make the existence of mankind simpler, smoother and easier. In the contemporary world, a man with information has the power to turn the wheels of fortune. In addition to this, IT also challenges the competence of an individual and motivates them to come up with ideas that can transform the structure of human life. The stupendous role of Information Technology is well reflected in multi-national corporations, large-cap, mid-cap and small-cap businesses that involves and in a plethora of works like management of data, inventory, customer relationship, Information Systems, etc.

The most alluring part of this field is that there is no shortage of job options at both entry level and expert level, as the IT sector is expanding by a quantum fold. After completing their B-Tech in IT, students can seek jobs at almost all the major Multinational Corporations (MNCs) like IBM, Microsoft, Cisco, Infosys, etc. Here, some of the job profiles served by candidates after attaining a degree in the IT industry have been highlighted i.e. Computer Programmer, Web Developer, Software Analyst, Software Engineer, Information Security Analyst etc.

### **Establishment**

Parbhani district is known for its rich cultural heritage. **Late Sow. Kamaltai Jamkar Mahila Mahavidyalaya** was established in 1983. The department was established in 2000 on Permanent Non grant basis. After that, as per the demand of students in 2009, the college has started post-graduation course M.Sc. (CS). The department has shown its involvement in all types of academic, co-curricular and extracurricular activities. Many literary programs are being organized by the department. These programs supported students to create their own identity. Department organized Campus interviews for all third year and Post graduate students also organized quiz competition for building reasoning and aptitude ability.

## Objectives of the Department

- ❖ To provide students with up to date technical knowledge & develop the skills needed for a successful start in computer industry.
- ❖ To enable students for developing solutions to problems by utilizing different computer platforms & programming languages.
- ❖ To prepare students for continued learning in a rapidly changing discipline.
- ❖ To design, implement & evaluate a computer based system, process or program to meet desired needs within realistic constraints.
- ❖ To apply computer science principles in a broad range of non-computing application.

## Highlights

- ❖ Outcome Based Education
- ❖ Excellent infrastructure & computing facilities
- ❖ Motivation for Self-learning initiatives
- ❖ Excellent academic results
- ❖ Well defined student counseling and mentoring process
- ❖ Strong focus on placement preparation & continuous assessment
- ❖ Transparency in academic and administrative processes.
- ❖ Best placement opportunities to students.
- ❖ Focus on Programming Hands-On

## Department Faculty

Name of Faculty	Designation	Date of Appointment	Qualification	Specialization	Teaching Experience
Mohammed Khaled	Assistant Professor	2018	M.Sc. Computer Science, M.Sc. Computer Management, B.Ed.	Computer Science, Computer Management	UG: 11 years PG: 13 years
Kulkarni Nikita Nandkumar	Assistant Professor	2019	M.Sc. Computer Science, B.E (Computer Science)	Computer Science	UG: 6 years PG: 5 years
Sharma Kanchan Parthkumar	Assistant Professor	2020	M.Sc. Computer Science	Computer Science	UG: 2 years PG: 2 years
Muli Nakshatra Anilrao	Assistant Professor	2021	M.Sc. Computer Science	Computer Science	UG: 1 years PG: 1 years

## Names of Programmes / Courses offered

<b>BCA First Year 2023-2024</b>		
<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>
<b>First</b>	BCA-101	Fundamentals of Computer Science and Information Technology
	BCA-102	Office Automation
	BCA-103	Programming in C
	BCA-104 A	Element of Statistics
	BCA-104 B	Mathematical Technique In Computer Science (MTCS)
	BCA-105 A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR
	BCA-105 B	Applied English OR Business Communication
	BCA-106	C Programming
	BCA-107	Office Automation
<b>Second</b>	BCA-201	Java Script
	BCA-202	Graphics Design And Content Management Tools
	BCA-203	Web Technology
	BCA-204 A	E-Commerce
	BCA-204 B	Business Accounting With Tally
	BCA-205 A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR
	BCA-205 B	Functional English OR Corporate English
	BCA-206	Java Script
	BCA-207	Web Technology

**BCA Second Year 2023-2024**

<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>
<b>Third</b>	BCA-301	Programming in C++
	BCA-302	Operating System Concepts
	BCA-303	Data Base Management System
	BCA-304 A	Business Application and ERP
	BCA-304 B	Introduction to Multimedia
	BCA-305 A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR
	BCA-305 B	Numerical Aptitude
	BCA-306	C++ Programming
	BCA-307	DBMS
<b>Fourth</b>	BCA-401	Programming in JAVA
	BCA-402	Data Structure and Algorithm
	BCA-403	RDBMS
	BCA-404A	Operational Research
	BCA-404B	Computer Graphics
	BCA-405A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR
	BCA-405B	Logical Reasoning
	BCA-406	JAVA Programming
	BCA-407	RDBMS

<b>BCA Third Year 2023-2024</b>		
<b>Semester</b>	<b>Subject Code</b>	<b>Subjects</b>
<b>Semester-V</b>	BCA-501	System Analysis and Design (SAAD)
	BCA-502	Web Development and PHP Programming
	BCA-503	Mobile Application Development
	BCA-504-A	Computer Network
	BCA-504-B	Cloud Computing
	BCA-505 A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR
	BCA-505-B	Linux Operating System
	BCA-506	Lab- PHP Programming
	BCA-507	Lab- Mobile Application Development
<b>Semester</b>	<b>Subject Code</b>	<b>Subjects</b>
<b>Semester-VI</b>	BCA-601	Software Engineering
	BCA-602	Python
	BCA-603	Project Development activity and Seminar
	BCA-604-A	Windows Programming
	BCA-604-B	Digital Image Processing
	BCA-605 A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental courses OR
	BCA-605-B	Cyber Security
	BCA-606	Lab- Python
	BCA-607	Lab- Windows Programming and DIP

**M.Sc. CS First Year 2023-2024**

<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>
<b>Semester-I</b>	SCMPSC-401	Computer Architecture and Microprocessor
	SCMPSC-402	Python Programming
	SCMPSC-403	Advanced Java
	SCMPSCP- 401	Lab 1: Comp. Arch. and Microp. Lab
	SCMPSCP- 402	Lab 2: Python Lab
	SCMPSCP- 403	Lab 3: Java Lab
	SCMPSE-401	Chose any one A. Data Analysis using Power BI B. Statistical Method C. Web Technology
	SVECR-401	Research Methodology
<b>Semester-II</b>	SCMPSC-451	Mobile Application Development with Kotlin
	SCMPSC-452	Cloud Computing
	SCMPSC-453	NoSQL with MongoDB
	SCMPSCP- 451	Lab 4: Kotlin Lab
	SCMPSCP- 452	Lab 5: Cloud Computing Lab
	SCMPSCP- 453	Lab 6: NoSQL Lab
	SCMPSE-451	Chose any one A. Data Structure B. Software Testing C. PHP and MySQL
	SCMPSOJ- 451	On Job Training , Internship/ Apprenticeship or Field Project

**M.Sc. CS Second Year 2023-2024**

<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>
<b>Semester-III</b>	CS-301	Advance Database Administration
	CS-302	Web Technologies
	CS-303	Data Mining and Data Warehousing
	CS-304 A	Artificial Intelligence
	CS-304 B	Mobile Application Development
	CS-304 C	Research Methodology
	CS-305	Lab-5: Adv Database Admin
	CS-306	Lab-6: Web Technologies
	CS-307A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental OR Intra / Inter School
	CS-307 B	Cyber Security
CS-308	SK-03: Seminar Presentation Activity	

<b>Semester</b>	<b>Course Code</b>	<b>Course Title</b>
<b>Semester- IV</b>	CS-401	Digital Image Processing
	CS-402	Linux Administration
	CS-403	Major Project development Activity
	CS-404 A	Client Server Technology
	CS-404 B	Software Testing Tools
	CS-405	Lab-7: DIP
	CS-406	Lab-8: Based on Elective Subject
	CS-407A	University recognized MOOC (NPTEL / SWAYAM / others) OR Intra / Inter Departmental OR Intra / Inter School OR
	CS-407 B	Logical Reasoning and Quantitative Aptitude
	CS-408	SK-04 : Soft Skills

## Programme Outcomes and Course Outcomes

Name of the Programme	Programme Outcomes
<b>BCA</b>	<p>After completing graduation in BCA, the students will-</p> <p><b>PO 1</b> Implement various programming languages like C, C++, VB.NET and Java construct in the right way.</p> <p><b>PO 2</b> Demonstrate basic technicalities of creating word document creating PowerPoint presentation, design spreadsheet for office use.</p> <p><b>PO 3</b> Define fundamental account concept conventions and terminologies</p> <p><b>PO 4</b> Understand concepts of key areas in computer science</p> <p><b>PO 5</b> Analyse and apply latest technologies to solve problems in the areas of computer applications.</p> <p><b>PO 6</b> Analyse and synthesis computing systems through quantitative and qualitative techniques.</p> <p><b>PO 7</b> Apply technical and professional skills to excel in business.</p> <p><b>PO 8</b> Develop practical skills to provide solutions to industry, society and business.</p>
<b>MSC (Computer Science)</b>	<p>After Completing graduation in M.Sc. Computer Science, the students will-</p> <p><b>PO 1</b> Possess knowledge and understanding of scientific subjects and challenges.</p> <p><b>PO 2</b> Can apply their knowledge and understanding with a professional approach</p> <p><b>PO 3</b> Can use the relevant equipment, technology and software.</p> <p><b>PO 4</b> Can apply their knowledge, understanding and proficiency for resolution in new and unfamiliar situations or in an interdisciplinary context.</p> <p><b>PO 5</b> Use software development tools, software systems, and modern computing platforms.</p> <p><b>PO 6</b> Are capable of integrating knowledge, resolve complex issues and present an opinion based on the available information. <b>PO 7</b> Can apply the methods of the relevant scientific field and/or profession to present, develop and solve projects</p> <p><b>PO 8</b> Understand research and research findings.</p>



Name of the Course	Paper	Course Outcomes
B.C.A I	<b>Fundamentals of Computer Science and Information Technology</b>	<p><b>CO 1</b> To learn basic function of devices like I/O, HDD etc.</p> <p><b>CO 2</b> To Understand the Fundamental of Software and Hardware.</p> <p><b>CO 3</b> Understand the Concept of Operating System and Network.</p>
	<b>Office Automation</b>	<p><b>CO 1</b> Demonstrate oral communications skills such as presentation for an audience, discussions, and debates.</p> <p><b>CO 2</b> Demonstrate writing abilities such as: reports, instructions, and documentation.</p> <p><b>CO 3</b> Exhibits good listening skills when others are speaking, keeping notes, journals.</p>
	<b>Programming in C</b>	<p><b>CO 1</b> Learn how to build by the algorithms for problems.</p> <p><b>CO2</b> Learn how to create pictorial representations of the program.</p> <p><b>CO 3</b> Learn how to apply logic for problems.</p> <p><b>CO 4</b> Enhance their programming skills.</p>
	<b>Elective: Element of Statistics</b>	<p><b>CO 1</b> Have the versatility to work effectively in a broad range analytic, scientific, government and other position.</p> <p><b>CO 2</b> Recognize &amp; appreciate the connection between theory and application.</p> <p><b>CO 3</b> Be lifelong learners who are able to independently expand their statistical expertise when needed.</p>
	<b>Open Elective: Business Communication</b>	<p><b>CO 1</b> Understand and demonstrate Basic English usages for their different purposes.</p> <p><b>CO 2</b> Clear entrance examination and aptitude tests.</p> <p><b>CO 3</b> Write various letters, reports required for professional life.</p>
	<b>JavaScript</b>	<p><b>CO 1</b> Students will be a Front-End website Developer</p> <p><b>CO 2</b> JavaScript ensures student to have a responsive, mobile-first website.</p> <p><b>CO 3</b> It paces up the development process by offering resources such as templates and themes, which can be customized according to the project needs.</p>

	<b>Graphics Design and Content Management Tools</b>	<p><b>CO1</b> Utilize several Flash tools and tactics learned throughout the course to produce an interactive flash based website.</p> <p><b>CO 2</b> Publish flash movies in numerous formats and contexts in a professional and web friendly manner.</p> <p><b>CO 3</b> Know types of databases and how to design them.</p> <p><b>CO 4</b> Plan website by choosing colour schemes, fonts, layouts, and more.</p>
<b>B.C.A II</b>	<b>Web Technology</b>	<p><b>CO 1</b> Understand the enabling technologies for building Internet and Web database applications.</p> <p><b>CO 2</b> Students are able to develop a dynamic webpage by the use of java script and DHTML.</p> <p><b>CO 3</b> Apply the techniques and features of the client/server development languages to construct a database application based on Internet.</p>
	<b>Elective : E-Commerce</b>	<p><b>CO 1</b> Understand the basic concepts and technologies used in the field of management information systems.</p> <p><b>CO 2</b> Have the knowledge of the different types of management information systems. <b>CO 3</b> Understand the processes of developing and implementing information systems. <b>CO 4</b> Be aware of the ethical, social, and security issues of information systems</p>
	<b>Open Elective: Functional English</b>	<p><b>CO 1</b> Understand and demonstrate Basic English usages for their different purposes</p> <p><b>CO 2</b> Clear entrance examination and aptitude tests.</p> <p><b>CO 3</b> Write various letters, reports required for professional life.</p>
	<b>Object Oriented Programming using C++</b>	<p><b>CO 1</b> Apply C++ features to program design and implementation.</p> <p><b>CO 2</b> Explain object-oriented concepts and describe how they are supported by C++ including.</p> <p><b>CO 3</b> Identifying the features and peculiarities of the C++ programming language.</p>
	<b>Operating System</b>	<p><b>CO 1</b> Gain extensive knowledge on principles and modules of operating systems.</p> <p><b>CO 2</b> Understand key mechanisms in design of operating systems modules.</p> <p><b>CO 3</b> Understand process management, concurrent processes and threads, memory management, virtual memory concepts, deadlocks.</p>

<p><b>Database Management System</b></p>	<p><b>CO1:</b> Able to master the basic concepts and understand the applications of database systems.  <b>CO2:</b> Able to construct an Entity-Relationship (E-R) model from specifications and to transform to relational model. <b>CO3:</b> Able to construct unary/ binary/ set/ aggregate queries in Relational Algebra. <b>CO4:</b> Understand and apply database normalization principles.</p>
<p><b>Introduction to Multimedia</b></p>	<p><b>CO1:</b> Student will learn the different content forms of Multimedia such as text, audio, images, animations, video and interactive content.  <b>CO 2</b> Identify and describe the function of the general skill sets in the multimedia industry.  <b>CO 3</b> Identify the basic components of a multimedia project.</p>
<p><b>Numerical Aptitude</b></p>	<p><b>CO 1</b> To assess whether different levels of problem solving ability have any impact on the Mathematical Aptitude. <b>CO 2</b> To find out whether the type of school have any impact on the Mathematical Aptitude. <b>CO 3</b> To find out the relationship of Mathematical Aptitude with the variables like Intellectual and Problem Solving Abilities.</p>
<p><b>Java Programming</b></p>	<p><b>CO 1</b> Understand the concept of OOP as well as the purpose and usage principles of inheritance, polymorphism, encapsulation and method overloading.  <b>CO 2</b> Identify classes, objects, members of a class and the relationships among them needed for specific problem.  <b>CO 3</b> Develop programs using the Java Collection API as well as the Java standard class library.</p>
<p><b>Data Structure</b></p>	<p><b>CO 1</b> Have a comprehensive knowledge of the data structures and algorithms on which file structures and data bases are based.  <b>CO 2</b> Understand the importance of data and be able to identify the data requirements for an application.  <b>CO 3</b> Understand the issues involved in algorithm complexity and performance.</p>

<b>B.C.A III</b>	<b>Relational Database Management System</b>	<p><b>CO 1</b> Master the basic concepts and appreciate the applications of database systems. <b>CO 2</b> Be familiar with a commercial relational database system (Oracle) by writing SQL using the system.</p> <p><b>CO 3</b> Be familiar with basic database storage structures and access techniques: file and page organizations, indexing methods including B_ tree, and hashing.</p>
	<b>Elective: Computer Graphics</b>	<p><b>CO 1</b> Understand the real graphics programming.</p> <p><b>CO 2</b> Understand the API OpenGL <b>CO 3</b> Understand the mathematics basics, mainly linear algebra and implemented by OpenGL and programming language like C.</p>
	<b>Logical Reasoning</b>	<p><b>CO 1</b> Distinguish the basic elements of arguments and recognize the different types of arguments.</p> <p><b>CO 2</b> Identify logical relations among statements; and Analyse logically complex statements into their truth- functional or quantificational components. <b>CO 3</b> Distinguish valid deductive arguments from invalid ones.</p>
	<b>System Analysis and Design</b>	<p><b>CO 1</b> Upon successful completion of this course, you will be able to gather data to analyse and specify the requirements of a system..</p> <p><b>CO 2</b> Design system components and environments &amp; build general and detailed models that assist programmers in implementing a system.</p> <p><b>CO 3</b> It also design a database for storing data, a user interface for data input and output, and controls to protect the system and its data.</p>
	<b>Web Development and PHP Programming</b>	<p><b>CO 1</b> Write PHP script to handle HTML forms.</p> <p><b>CO 2</b> Analyse and solve common web Application tasks by writing PHP program.</p> <p><b>CO 3</b> Analyse and solve various database tasks using PHP language..</p>

<b>Mobile Application Development</b>	<p><b>CO 1:</b> Install and use appropriate tools for Android development, including IDE, device emulator, and profiling tools. <b>CO2:</b> Understand the Android OS architecture. <b>CO3:</b> Understand the Android application architecture, including the roles of the task stack, activities, &amp; services.</p>
---------------------------------------	---

	<b>Computer Network</b>	<p><b>CO 1</b> Learn the need to create a Network.</p> <p><b>CO 2</b> Learn about different layers and protocols present in those layers.</p> <p><b>CO 3</b> Learn to configure the network devices.</p> <p><b>CO 4</b> Learn about IP -Addressing.</p>
	<b>Linux O.S</b>	<p><b>CO 1</b> Make appropriate decisions during the configuration process to create a properly functioning Linux environment.</p> <p><b>CO 2</b> Analyse the need for security measures for a Linux environment.</p> <p><b>CO 3</b> Identify the different uses and advantages of Linux in a business environment in order to participate in discussions regarding network servers and services.</p>
		<p><b>CO 1</b> An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics</p>
	<b>Software Engineering</b>	<p><b>CO 2</b> An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factor.</p> <p><b>CO 3</b> An ability to work professionally in both thermal and mechanical systems areas.</p>
	<b>Python</b>	<p><b>CO1:</b> Upon successful completion of this course, student will be able to</p> <p><b>CO2:</b> Explain basic principles of Python programming language</p> <p><b>CO3:</b> Implement object oriented concepts</p> <p><b>CO4:</b> Implement database and GUI applications</p>

	<b>Project Development activity and Seminar</b>	<p><b>CO 1</b> The aim of the Project work is to acquire practical knowledge on the implementation of the programming concepts studied.</p> <p><b>CO 2</b> develop plans with relevant people to achieve the project's goals</p> <p><b>CO 3</b> Estimate and cost the human and physical resources required, and make plans to obtain the necessary resources</p>
	<b>Digital Image Processing</b>	<p><b>CO 1</b> Review the fundamental concepts of a digital image processing system.</p> <p><b>CO 2</b> Analyse images in the frequency domain using various transforms.</p> <p><b>CO 3</b> Evaluate the techniques for image enhancement and image restoration</p>
	<b>Cyber Security</b>	<p><b>CO1:</b> Analyze and evaluate the cyber security needs of an organization.</p> <p><b>CO2:</b> Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation. <b>CO3:</b> Measure the performance and troubleshoot cyber security systems.</p> <p><b>CO4:</b> Implement cyber security solutions and use of cyber security, information assurance, and cyber/computer forensics software/tools.</p>
<b>M.SC CS I</b>	<b>Computer Architecture and Microprocessor</b>	<p><b>CO 1</b> Describe the architecture and organization of microprocessor along with instruction set format.</p>

		<p><b>CO 2</b> Describe modes and functional block diagram of 8086 along with pins and their functions.</p> <p><b>CO 3</b> Develop assembly language programs using various programming tools. Visit for more Learning Resources.</p>
	<b>Python Programming</b>	<p><b>CO 1</b> Design and Develop applications using Python programming.</p> <p><b>CO 2</b> Design object oriented programs with Python classes.</p> <p><b>CO 3</b> Design and Develop applications connecting with database</p>
	<b>Advanced Java</b>	<p><b>CO 1</b> Create dynamic and interactive web sites and interaction with client and server.</p> <p><b>CO 2</b> Do server side programming with java Servlets and JSP.</p> <p><b>CO 3</b> Implement different data structure using collection framework</p>
	<b>Ele: Web Technology</b>	<p><b>CO 1</b> Develop the modern web pages using the HTML and CSS features with different layouts as per need of applications.</p> <p><b>CO 2</b> Use the JavaScript to develop the dynamic web pages.</p> <p><b>CO 3</b> Use server side scripting with PHP to generate the web pages dynamically using the database connectivity</p>

	<p><b>Mobile Application Development with Kotlin</b></p>	<p><b>CO 1</b> Learning basic concepts of Android development such as activities, intents, layouts, and views.  List different Android components and their roles in app development. <b>CO 2</b> Analyze network requests and responses to integrate remote data sources. Analyzing user feedback and behavior to understand how users interact with the app.  <b>CO 3</b> Create and develop an Android based Application.</p>
	<p><b>Cloud Computing</b></p>	<p><b>CO 1</b> Apply the fundamental concepts in Data centers to understand the tradeoffs in power, efficiency and cost. <b>CO 2</b> Identify resource management fundamentals, i.e. resource abstraction, sharing and sandboxing and outline their role in managing infrastructure in cloud computing.  <b>CO 3</b> Analyze various cloud programming models and apply them to solve problems on the cloud.</p>
	<p><b>NoSQL with MongoDB</b></p>	<p><b>CO 1</b> Demonstrate an understanding of the detailed architecture, define objects, load data, query data and performance tune Column-oriented NoSQL databases.  <b>CO 2</b> Demonstrate an understanding of the detailed architecture, define objects,</p>
		<p>load data, query data and performance tune Key-Value Pair NoSQL databases.  <b>CO 3</b> Evaluate NoSQL database development tools and programming languages.</p>
	<p><b>Ele: Data Structure</b></p>	<p><b>CO 1</b> Ability to analyze algorithms and algorithm correctness.  <b>CO 2</b> Ability to summarize searching and sorting techniques  <b>CO 3</b> Ability to describe stack, queue and linked list operation</p>

	<b>Advance Database Administration</b>	<p>CO 1 Master the basic concepts and appreciate the applications of database systems. CO 2 Be familiar with a commercial relational database system (Oracle) by writing SQL using the system.</p> <p>CO 3 Be familiar with the basic issues of transaction processing and concurrency control.</p>
<b>M.SC CS II</b>	<b>Web Technologies</b>	<p><b>CO1:</b> Students Will be Students are able to develop a dynamic webpage by the use of PHP and java script.</p> <p><b>CO 2:</b> On completion of this course, a student will be able to develop a web application using PHP and java script</p>
	<b>Data Mining and Data Warehousing</b>	<p><b>CO 1</b> Store voluminous data for online processing.</p> <p><b>CO 2</b> Pre-process the data for mining applications.</p> <p><b>CO 3</b> Apply the association rules for mining the data.</p> <p><b>CO 4</b> Design and deploy appropriate classification techniques.</p>
	<b>Mobile Application Development</b>	<p><b>CO 1:</b> Install and use appropriate tools for Android development, including IDE, device emulator, and profiling tools. <b>CO2:</b> Understand the Android OS architecture. <b>CO3:</b> Understand the Android application architecture, including the roles of the task stack, activities, &amp; services.</p>
	<b>Cyber Security</b>	<p><b>CO1:</b> Analyze and evaluate the cyber security needs of an organization.</p> <p><b>CO2:</b> Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation.</p> <p><b>CO3:</b> Measure the performance and troubleshoot cyber security systems.</p> <p><b>CO4:</b> Implement cyber security solutions and use of cyber security, information assurance, and cyber/computer forensics software/tools.</p>
	<b>Digital Image Processing</b>	<p><b>CO 1</b> Review the fundamental concepts of a digital image processing system.</p> <p><b>CO 2</b> Analyse images in the frequency domain using various transforms.</p> <p><b>CO 3</b> Evaluate the techniques for image enhancement and image restoration</p>
	<b>Linux Administration</b>	<p><b>CO 1</b> Make appropriate decisions during the configuration process to create a properly functioning Linux environment.</p> <p><b>CO 2</b> Analyse the need for security measures for a Linux environment.</p> <p><b>CO 3</b> Identify the different uses and advantages of Linux in a business environment in</p>



	<p>order to participate in discussions regarding network servers and services.</p> <p><b>Project Development activity and Seminar</b></p> <p><b>CO 1</b> The aim of the Project work is to acquire practical knowledge on the implementation of the programming concepts studied.</p> <p><b>CO 2</b> develop plans with relevant people to achieve the project's goals</p> <p><b>CO 3</b> Estimate and cost the human and physical resources required, and make plans to obtain the necessary resources</p>
	<p><b>Software Testing Tools</b></p> <p><b>CO 1</b> Various test processes and continuous quality improvement</p> <p><b>CO 2</b> Input space modelling using combinatorial designs</p> <p><b>CO 3</b> Application of software testing techniques in commercial environments</p>
	<p><b>Logical Reasoning and Quantitative Aptitude</b></p> <p><b>CO 1</b> Distinguish the basic elements of Arguments and recognize the different types of arguments.</p> <p><b>CO 2</b> Identify logical relations among statements and Analyse logically complex statements into their truth- functional or quantificational components.</p> <p><b>CO 3</b> Distinguish valid deductive arguments from invalid ones.</p>

## Curriculum Revision (UG and PG)

Sr No.	Class	Revision Year
1	B C A I / MSC CS I	2019
2	B C A II / MSC CS II	2020
3	B C A III	2021
4	MSC CS I	2023

## Curriculum Planning



## virtual Teaching platforms

Name of the Teacher: **Mohammed Khaled**

Innovative Teaching Methods									
Class	Google Classrooms Class code	YouTube link	Google Drive	Google Meet	Google Forms	Teachmint Class code	WhatsApps	Telegram	Other
BCA FY		<a href="https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA">https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA</a>			<a href="https://forms.gle/NdxXoo5oYGqkmh836">https://forms.gle/NdxXoo5oYGqkmh836</a>	<a href="https://www.teachmintapp.com/enroll/438236730/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/438236730/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/DLBp7gsuqnRCate20IDTxA">https://chat.whatsapp.com/DLBp7gsuqnRCate20IDTxA</a>		
BCA SY		<a href="https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA">https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA</a>			<a href="https://forms.gle/Aqw3owZ7XKQbXENC8">https://forms.gle/Aqw3owZ7XKQbXENC8</a>	<a href="https://www.teachmintapp.com/enroll/599967781/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/599967781/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/JGjpAhTF5yzEleL2DEzGDC">https://chat.whatsapp.com/JGjpAhTF5yzEleL2DEzGDC</a>		
BCA TY		<a href="https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA">https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA</a>			<a href="https://forms.gle/57wByc2xuwXUzuvn9">https://forms.gle/57wByc2xuwXUzuvn9</a>	<a href="https://www.teachmintapp.com/enroll/548608464/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/548608464/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/KxG56Y0SxQ12iEgKoDZivT">https://chat.whatsapp.com/KxG56Y0SxQ12iEgKoDZivT</a>		

MSC CS FY		<a href="https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA">https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA</a>			<a href="https://forms.gle/VTNjVD5NtkL68N5S7">https://forms.gle/VTNjVD5NtkL68N5S7</a>	<a href="https://www.teachmintapp.com/enroll/868686040/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/868686040/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/HzOX7mYKeu6K5zc2LIG8t6">https://chat.whatsapp.com/HzOX7mYKeu6K5zc2LIG8t6</a>		
						<a href="https://www.teachmintapp.com/enroll/812388445/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android">source=app?utm_medium=android</a>			
MSC CS SY		<a href="https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA">https://youtube.com/@learnwithkhaledshaz2473?si=8eRIsj49n1ZW_ImA</a>			<a href="https://forms.gle/q8h1JcZNJFoBfC6P7">https://forms.gle/q8h1JcZNJFoBfC6P7</a>	<a href="https://www.teachmintapp.com/enroll/812388445/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/812388445/603e3d46ad3182c75c9cd22d?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/K7V3PCU9M2r2MOkrWi7es0">https://chat.whatsapp.com/K7V3PCU9M2r2MOkrWi7es0</a>		

Name of the Teacher: **Kulkarni Nikita Nandkumar**

Innovative Teaching Methods									
Class	Google Classrooms Class code	YouTube link	Google Drive	Google Meet	Google Forms	Teachmint Class code	WhatsApps	Telegram	Other
BCA FY							<a href="https://chat.whatsapp.com/DLBp7gsuqnRCate20IDTxA">https://chat.whatsapp.com/DLBp7gsuqnRCate20IDTxA</a>		
BCA SY							<a href="https://chat.whatsapp.com/JGjpAhTF5yzEleL2DEzGDC">https://chat.whatsapp.com/JGjpAhTF5yzEleL2DEzGDC</a>		
BCA TY							<a href="https://chat.whatsapp.com/KxG56Y0SxQ12iEgKoDZivT">https://chat.whatsapp.com/KxG56Y0SxQ12iEgKoDZivT</a>		
MSC CS FY						<a href="https://www.teachmintapp.com/enroll/7696082040/62413b49f3196bac17d6cfe6?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/7696082040/62413b49f3196bac17d6cfe6?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/HzQX7mYKeu6K5zc2LIG8t6">https://chat.whatsapp.com/HzQX7mYKeu6K5zc2LIG8t6</a>		
MSC CS SY						<a href="https://www.teachmintapp.com/enroll/809138191/62413b49f3196bac17d6cfe6?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/809138191/62413b49f3196bac17d6cfe6?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/K7V3PCU9M2r2MOkrWi7es0">https://chat.whatsapp.com/K7V3PCU9M2r2MOkrWi7es0</a>		

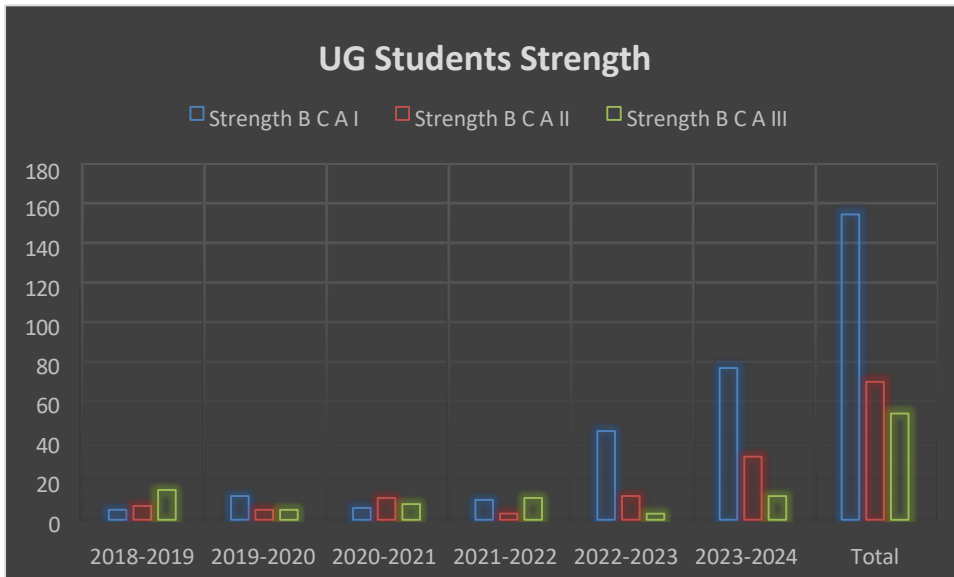
Name of the Teacher: **Sharma Kanchan Parthkumar**

Innovative Teaching Methods									
Class	Google Classrooms Class code	YouTube link	Google Drive	Google Meet	Google Forms	Teachmint Class code	WhatsApps	Telegram	Other
BCA FY						<a href="https://www.teachmintapp.com/enroll/125830238/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/125830238/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/DLBp7gsuqnRCate20IDTxA">https://chat.whatsapp.com/DLBp7gsuqnRCate20IDTxA</a>		
BCA SY						<a href="https://www.teachmintapp.com/enroll/176988017/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/176988017/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/JGjpAhTF5yzEleL2DEzGDC">https://chat.whatsapp.com/JGjpAhTF5yzEleL2DEzGDC</a>		
BCA TY						<a href="https://www.teachmintapp.com/enroll/278377535/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/278377535/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/KxG56Y0SxQ12iEgKoDZivT">https://chat.whatsapp.com/KxG56Y0SxQ12iEgKoDZivT</a>		

MSC CS FY						<a href="https://www.teachmintapp.com/enroll/5140077882/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/5140077882/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/HzOX7mYKeu6K5zc2LIG8t6">https://chat.whatsapp.com/HzOX7mYKeu6K5zc2LIG8t6</a>		
MSC CS SY						<a href="https://www.teachmintapp.com/enroll/446274459/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android">https://www.teachmintapp.com/enroll/446274459/61c3fd3309f69bf3f99b4b1e?utm_source=app?utm_medium=android</a>	<a href="https://chat.whatsapp.com/K7V3PCU9M2r2MOkrWi7es0">https://chat.whatsapp.com/K7V3PCU9M2r2MOkrWi7es0</a>		

## Students Strength (With Graph) (UG)

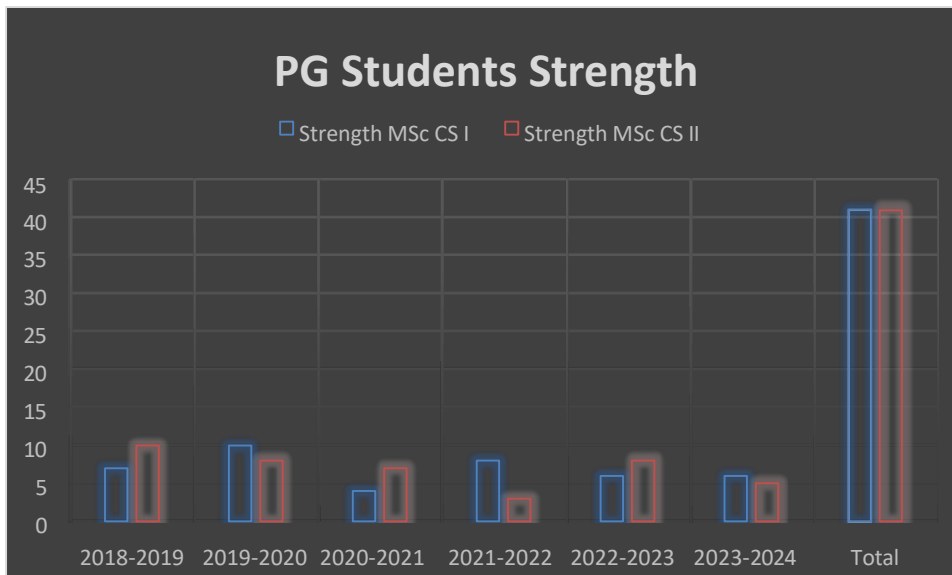
Year	Strength		
	B C A I	B C A II	B C A III
2018-2019	05	07	15
2019-2020	12	05	05
2020-2021	06	11	08
2021-2022	10	03	11
2022-2023	45	12	03
2023-2024	77	32	12
<b>Total</b>	155	70	54





## Students Strength (With Graph) (PG)

Year	St ength	
	MSc CS I	MSc CS II
2018-2019	07	10
2019-2020	10	08
2020-2021	04	07
2021-2022	08	03
2022-2023	06	08
2023-2024	06	05
<b>Total</b>	<b>41</b>	<b>41</b>



### Socio - economic status of the students (UG)

Year	ocio - economic status of the students					
	SC	ST	OBC	OTHER	GENERAL	DIYANGJAN
2018-2019	03	01	02	00	21	00
2019-2020	03	02	03	01	13	
2020-2021	04	00	03	02	16	
2021-2022	02	00	01	02	19	
2022-2023	10	00	07	06	37	00
2023-2024	20	2	19	13	68	

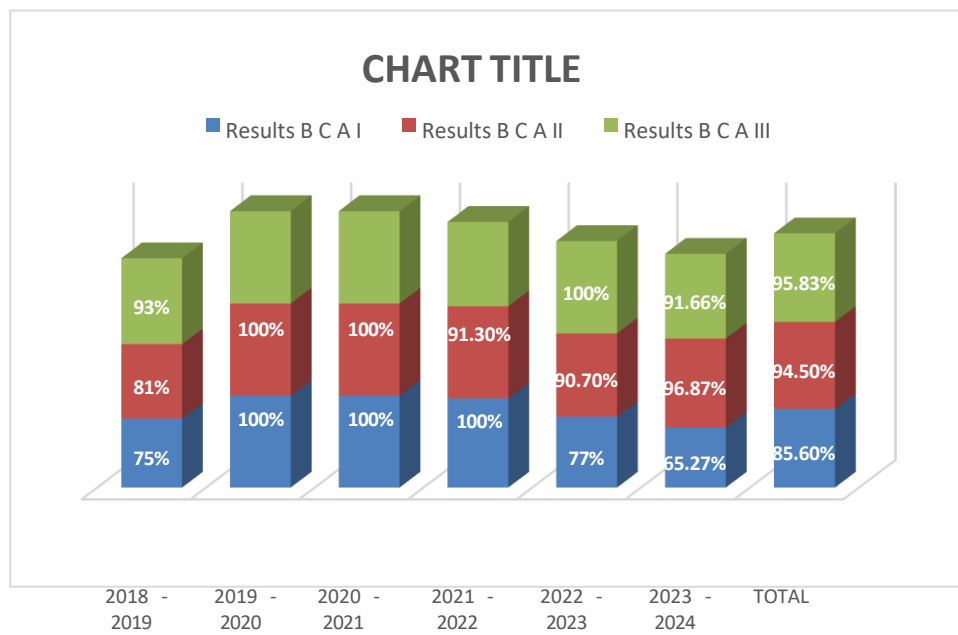
### Socio - economic status of the students (PG)

Year	ocio - economic status of the students					
	SC	ST	OBC	OTHER	GENERAL	DIYANGJAN
2018-2019	01	00	06	03	07	00
2019-2020	02	00	01	01	14	00
2020-2021	00	00	00	00	11	00
2021-2022	01	00	01	01	08	00
2022-2023	01	01	01	01	10	00
2023-2024	1		1	1	8	

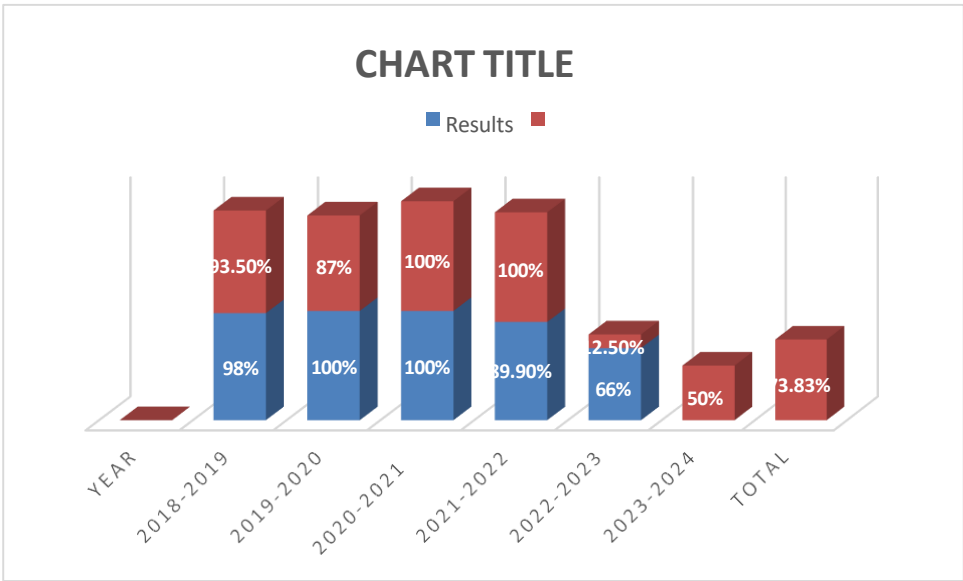
## Attainments

### ❖ Results (With Graph)

	Results		
	B C A I	B C A II	B C A III
<b>2018-2019</b>	75%	81%	93%
<b>2019-2020</b>	100%	100%	100%
<b>2020-2021</b>	100%	100%	100%
<b>2021-2022</b>	97%	100%	91.3%
<b>2022-2023</b>	77%	90.7%	100%
<b>2023-2024</b>	65.27%	96.87%	91.66%
<b>Total</b>	<b>85.6%</b>	<b>94.5%</b>	<b>95.83%</b>



Year	Results	
	M.SC I	M.SC II
2018-2019	98%	93.5%
2019-2020	100%	87%
2020-2021	100%	100%
2021-2022	89.9%	100%
2022-2023	66%	12.5%
2023-2024	66%	50%
<b>Total</b>	<b>86.65%</b>	<b>73.83%</b>



❖ **Activities and Attainments**

<b>Sr. No</b>	<b>Academic Year</b>	<b>Activities</b>	<b>Achievements</b>
1.	2018-19	Fresher Party	
		Poster Presentation	1 <sup>st</sup> Prize: Nahid Shaikh & Shradha Sharma 2 <sup>nd</sup> Prize: Pallavi Subhedar & Vijaya Mahajan
		Reserch Festival 'Avishkar' District level	1 <sup>st</sup> Prize at District Level Avishkar Vijaya Mahajan & Kanchan Zatkawde
		Research Festival 'Avishkar' University level	1 <sup>st</sup> Prize at University Level Avishkar Vijaya Mahajan & Kanchan Zatkawde
		Research Festival 'Avishkar' State level	
		Saree Day	
		Seminar Presentation	
		Farewel Party	
2.	2019-20	E-mail Awerness Program	
		Poster Presentation Program	1 <sup>st</sup> prize: Alfiya Afsha Md.Azim Nasreen Ansar Khan
			2 <sup>nd</sup> prize: Kadam Aarti Annasaheb Sawat Mayuri Ranoji
			3 <sup>rd</sup> prize: Kahat Sheweta Pradip Bhombe Yogita Panditrao
		Quiz Competition	1 <sup>st</sup> prize: Deshpande Prajakta Sanajay
			2 <sup>nd</sup> prize: Sarda Tulsi Madhusudhan
			3 <sup>rd</sup> prize: Bombe Yogita Panditrao
			4 <sup>th</sup> prize: Naik Dipali Chandroba
		Fresher's Party	
		Avishkar research competition (District Level)	1 <sup>st</sup> prize: Alfiya Afsha Nakshatra Muli
2 <sup>nd</sup> prize: Mafruja Begum Aishwarya Kulkarni			
Avishkar research competition (University Level)	2 <sup>nd</sup> prize: Alfiya Afsha Nakshatra Muli		

			<b>2<sup>nd</sup> prize: Mafruja Begum Aishwarya Kulkarni</b>
		<b>Campus Interview</b>	<ol style="list-style-type: none"> <li>1. Alfiya Afsha</li> <li>2. Nasreen Begum</li> <li>3. Yogini Neb</li> <li>4. Vijaya Mahajan</li> </ol>
		<b>Lecture on Personality Development</b>	
		<b>One Week training Program on Basic of Computer</b>	
		<b>Research Festival 'Avishkar' State level</b>	
<b>3</b>	<b>2020-21</b>	<b>Quiz Competition on Bhartiya Sanvidhan Day</b>	
		<b>Quiz Competition on National Science Day</b>	
		<b>Poster Presentation Competition on Republic Day</b>	
		<b>Webinar- Career Opportunities in BSFI Sector</b>	
		<b>Picture Contest</b>	
<b>4</b>	<b>2021-22</b>	<b>One Day State Level Seminar on the occasion of (NCSAM) Cyber Crimes- Challenge Solution</b>	
		<b>Quiz on National Science Day</b>	
		<b>Campus Interview Of ICICI bank</b>	
		<b>Contest On Abbreviations on IT</b>	<b>First Prize Agroya Shital</b> (B.C. A. F.Y.) <b>Third Prize: Agrwal Ritika</b> (B.C.A T.Y)
<b>5</b>	<b>2022-23</b>	<b>Poster Presentation Competition During Educational Week</b>	<b>First Prize :</b> Vaidya Deepali (B.C. A. S.Y.) <b>Second Prize:</b> Shaikh Humera (B.C.A T.Y) <b>Second Prize:</b> Jatti Shrutti (B.C.A F.Y) Rathod Shraddha (B.C.A F.Y) <b>Third Prize: Agrwal Ritika</b> (B.C.A T.Y)

		<p><b>Guest Lecture on Data Security</b></p>	
		<p><b>Lecture on numerical aptitude</b></p>	
		<p><b>Cyber security awareness workshop</b></p>	
		<p><b>Avishkar research competition (District Level)</b></p>	<p><b>2<sup>nd</sup> prize :</b> Shaikh Humera Agrwal Ritika</p>
		<p><b>National science day</b></p>	
		<p><b>Eid e Milan</b></p>	
6	2023-24	<p><b>One day workshop on importance of programming language</b></p>	
		<p><b>Poster presentation competition</b></p>	<p><b>First Prize :</b> Padamawar Sanskruti Swapni (B.C. A. F.Y.) <b>Second Prize:</b> Rode Aishwariya Ashok (B.C.A F.Y)</p>
			<p>Rode Vaibhavi Ashok (B.C.A S.Y.) <b>Third Prize:</b> Kale Pooja Laxmanrao (B.C.A T.Y.) <b>Fourth Prize:</b> Vaidya Deepali Manikrao (B.C.A T.Y.)</p>
		<p><b>Quiz competition</b></p>	<p><b>First Prize:</b> Talekar Priti Ashok (BCA SY) <b>Third Prize:</b> Bhumare Sonu Santosh (BCA SY) <b>Consolation Prize:</b> Vaidya Deepali Manikrao (BCA TY)</p>
		<p><b>Unity in Diversity</b></p>	<p><b>First Prize:</b> Sharma Prajkata Ashok (B.C. A. F.Y.) <b>Second Prize :</b> Raut Manisha Vaijanath (B.C.A F.Y) <b>Third Prize:</b> Tak Pratiksha Rajebhau (B.C.A F.Y.) <b>Fourth Prize:</b> Hulekar Komal Mahendrakumar (B.C.A. F.Y)</p>

## Achievements

Sr. No	Academic Year	Activities	Achievements
01	2018-2019	Reserch Festival 'Avishkar' :District level	<b>1<sup>st</sup> Prize at District Level Avishkar:</b> Vijaya Mahajan & Kanchan Zatkawde
		Research Festival 'Avishkar' :University level	<b>1<sup>st</sup> Prize at University Level Avishkar:</b> Vijaya Mahajan & Kanchan Zatkawde
02	2019-2020	Avishkar research competition (District Level)	<b>1<sup>st</sup> prize:</b> Alfiya Afhsha Nakshatra Muli <b>2<sup>nd</sup> prize:</b> Mafruja Begum Aishwarya Kulkarni
		Avishkar research competition (University Level)	<b>2<sup>nd</sup> prize:</b> Alfiya Afhsha Nakshatra Muli <b>2<sup>nd</sup> prize:</b> Mafruja Begum Aishwarya Kulkarni
03	2022-2023	Avishkar research competition (District Level)	<b>2<sup>nd</sup> prize :</b> Shaikh Humera Agrwal Ritika
		Drawing Competition by Nehru Yuva Kendra (Parbhani)	<b>1<sup>st</sup> prize:</b> Rathod Shraddha <b>2<sup>nd</sup> prize:</b> Syeda Adiba
		Dancing Competition by Nehru Yuva Kendra (Parbhani)	<b>1<sup>st</sup> prize:</b> Insta Stars (BCA Girls)
04	2023-2024	Avishkar research competition (District Level)	<b>1<sup>st</sup> prize:</b> agriculture(shital nand)  <b>2<sup>nd</sup> prize:</b> medicine(rajnandini renge) <b>3<sup>rd</sup> prize:</b> medicine(manisha raut)  <b>2<sup>nd</sup> prize:</b> engineering and technology(sanskruiti padamwar) <b>3<sup>rd</sup> prize:</b> engineering and technology(saima shaikh)
		G-20 quiz competition	<b>1<sup>st</sup> prize:</b> BCA girls



❖ **Conference / Seminar / Workshop organized**

<b>Faculty</b>	<b>University/Regional/ Local</b>	<b>State</b>	<b>National</b>	<b>International</b>	<b>Total</b>
Mohammed Khaled	--	01	--	--	01

❖ **Conference / Seminar / Workshop attended**

<b>Faculty</b>	<b>University/Regional/ Local</b>	<b>State</b>	<b>National</b>	<b>International</b>	<b>Total</b>
Mohammad Khaled	02	02	04	03	11
Nikita Kulkarni	01	--	01	01	03
Kanchan Sharma	01	--	01	--	02

❖ **Research Publication**

<b>Faculty</b>	<b>Peer Reviewed</b>	<b>UGC Care List</b>	<b>Articles /Chapters published in Book</b>	<b>Conference proceedings</b>	<b>News papers</b>	<b>Radio Talks</b>	<b>Total</b>
Mohammed Khaled	--	02	--	--	--	--	02

❖ **Placement of Alumni**

<b>Name</b>	<b>Position held</b>	<b>Contact No</b>	<b>Address</b>
Subehdar Pallavi Manoj	<b>EIS &amp; IOT</b>	9423444022	Pune
Mahajan Vijaya	<b>Network Associate</b>	7264956067	Thane
Syeda Firdouse Syed Farooque	<b>Advisor NVOC</b>	7774006569	Thane
Aarti Annasaheb Kadam	<b>EDI Developer</b>	9156728089	Pune
Adiba Fatema Syed Farooque	<b>Associate Customer Support</b>	9960889644	Pune
Syeda Hajra Fatema Syed Farooque	<b>Sr. Associate Customer Support</b>	7420808581	Pune

❖ **Departmental MOUs**

Sr.no	Name of institutes	Date of MOU
1.	Zoom Technical Institute	05 <sup>th</sup> October 2023
2.	Imperial Skill Development Academy	20 <sup>th</sup> October 2023
3.	Devansh Computer Education	1 <sup>st</sup> September 2023
4.	Wisdom Academy Learn & Grow	17 <sup>th</sup> August 2023

❖ **Faculty Contribution in College / University**

<b>Faculty</b>	<b>College level</b>	<b>University level</b>
<b>Mohammed Khaled</b>	<ol style="list-style-type: none"> <li>1. H.O.D. of Computer Science Department.</li> <li>2. Member of College Admission Committee.</li> <li>3. Member of College Timetable Committee.</li> <li>4. Member of College IQAC Committee.</li> <li>5. Member of NAAC Criterion 7.</li> <li>6. Member of College Placement Cell.</li> <li>7. Member of College Website Repair committee.</li> <li>8. Member of College Competitive Exam Committee</li> <li>9. BOS member of College Diploma/ Certificate course</li> <li>10. Member of College Publicity committee.</li> </ol>	<ol style="list-style-type: none"> <li>1. Research Guide for District, University &amp; State Level Avishkar</li> <li>2. Internal Flying Squad &amp; Supervisor for Winter &amp; Summer Examination</li> <li>3. External Examiner for BCA, BCS &amp; MSC (CS).</li> <li>4. University Papers Assessment and Moderation.</li> </ol>
<b>Kulkarni Nikita</b>	<ol style="list-style-type: none"> <li>1. Member of NAAC Criterion 7.</li> </ol>	<ol style="list-style-type: none"> <li>1. Supervision for Winter &amp; Summer Examination.</li> <li>2. External Examiner for BCA, BCS &amp; MSC (CS).</li> <li>3. University Papers Assessment and Moderation.</li> </ol>
<b>Sharma Kanchan</b>	<ol style="list-style-type: none"> <li>1. Member of NAAC Criterion 3.</li> <li>2. Member of Trip Committee.</li> <li>3. Member of Cultural Committee.</li> </ol>	<ol style="list-style-type: none"> <li>1. Supervision for Winter &amp; Summer Examination.</li> <li>2. External Examiner for BCA, BCS &amp; MSC (CS).</li> <li>3. University Papers Assessment and Moderation.</li> </ol>

## ❖ SWOC Analysis

### Strength

- 1- Peaceful ambiance and infrastructural facilities.
- 2- Student centric and activity based teaching and learning
- 3- The maximum number of students who get through the examination & obtain good positions.
- 4- Well planned teaching process.
- 5- Students are provided training for competitive exams.
- 6- Type of Teacher-Student involvement in academic activities

### Weakness

- 1- Quality newly of the admitted students to courses is below average and majority of them are from rural background.
- 2- The poor socio economic background of many of the students is responsible for poor language competence in English.
- 3- Scholarship is only available for SC/ST castes and not for all.
- 4- Most of the students from surrounding rural area hardly possess updated awareness regarding IT.

### Opportunities

- 1- We have opportunities to offer new courses in IT and ad-hoc Programs.
- 2- Special coaching program for SC/ST & Minority is available in the campus after class hours.
- 3- NET coaching program for students is offered with the support of UGC.
- 4- Staff strength & enterprising nature is a strong opportunity.
- 5- More students can participate in research festival "AVISHKAR" can be increased.

### Challenges:-

- 1- To facilitate students to develop a deeper level of critical and analytical thinking and cultivate in them an endeavoring passion to pursue higher education.
- 2- Lack of proper motivational condition & early marriage are the major challenges in front of girls in area.
- 3- To encourage research aptitude among more and more no. of students.
- 4- Dire need to develop communication and soft skills among students.

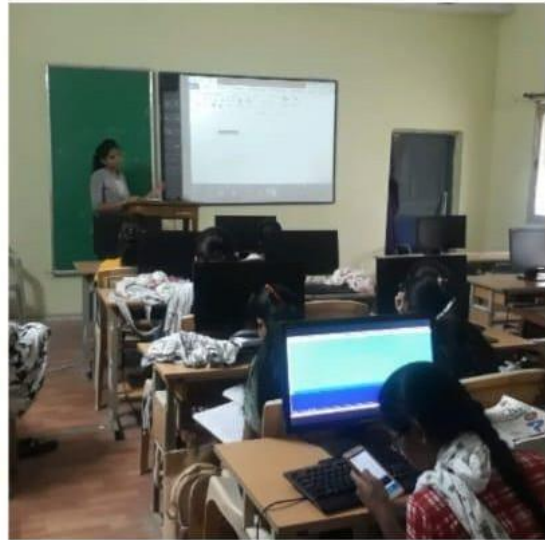
## ❖ Future plans

- Creating opportunities for engagement with employers for placements of students.
- To conduct workshops and seminars for enhancing the technical and communications skills of the students.
- Modifying and enhancing the curriculum to match the demand of industry. Updating teaching techniques in keeping with challenges and demands of the teaching of computer science, being a vibrant field.
- Designing multimedia packages, web-based courses and materials for use in computer laboratory. Undertaking collaborative efforts with other centers in India and Abroad. Augmenting department infrastructural facilities
- To organize International Seminar/Conference/Webinar.

❖ Photos/ Glimpses of the Department



Prize & Awards Distribution 2019-2020



**Students Seminar & Tutorial 2019-2020**



**Campus Interview of ICICI Bank through NIIT & IFBI 2019-2020**



Poster Presentation Competition & Prize Distribution on 15-08-2019





**Fresher's Party for BCA FY & UNIT Test 2019-2020**



Avishkar -2019-2020 (District, University & State Level)



**Traditional Day (Saree Day) 2021-2022**