



**K.B. JOSHI INSTITUTE  
OF INFORMATION  
TECHNOLOGY**  
KARVE NAGAR, PUNE 411051

# PROSPECTUS

## 2021-22



Bachelor of Computer  
Applications(B.C.A.)

B.Sc Information Technology  
(B.Sc.IT)

M.Sc. Computer Science  
(M.Sc. CS)

Rama Purushottam Vidya Sankul, 5<sup>th</sup> Floor, Karvenagar, Pune-52

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Website: <https://maharshikarvebcapune.org/>

## Top Reasons to join K.B Joshi Institute

- Placement Assistance in MNCs (Infosys, Wipro, TCS, Cognizant Zensar) Training for Placements (Aptitude and Technical)
- MOUs with top IT Companies, NGOs for skill improvement Qualified and Trained Staff
- State of the Art Infrastructure Internet Facility
- Hostel Facility
- Bank, ATM in Samstha's Campus
- Medical Dispensary (24X7) In Samstha Campus
- Special efforts by College for all round development! of Students
- Special training to students for Current IT trends, Communication skills etc.
- Round the year Workshops/ Seminars/ Expert lectures on various topics
- Result oriented (Our students are toppers in University Merit List)
- E-Learning using Online Platform
- Free Wi-Fi Facility
- Placement Assistance in MNC's
- Students are Toppers in University Merit
- Spacious Classroom
- Well equipped Computer labs with Internet
- Rich Library, Qualified Staff



## About SNDT Women's University

SNDT Women's University is the first Women's university in India as well as in South-East Asia. The University was founded by Maharshi Dr. Dhondo Keshav Karve in 1916 for a noble cause of Women's Education. The first five women graduated in 1921 from this University. The University Headquarters is in Churchgate Campus, Mumbai and the other two campuses of this University are at Juhu, Mumbai and Karve Road, Pune.

## Vision

Today we visualise the SNDT Women's University as a world class university that continually responds to the changing social realities through the development and application of knowledge. The purpose of such engagement will be to create an inclusive society that promotes and protects the dignity, equality, social justice and human rights for all, with special emphasis on empowerment of women.

## Mission

SNDT Women's University is committed to the cause of women's empowerment through access to education, particularly higher education, through relevant courses in the formal and non-formal streams. Further the university is committed to provide a wide range of professional and vocational courses for women to meet the changing socio-economic needs, with human values and purposeful social responsibility and to achieve excellence with "Quality in every Activity"

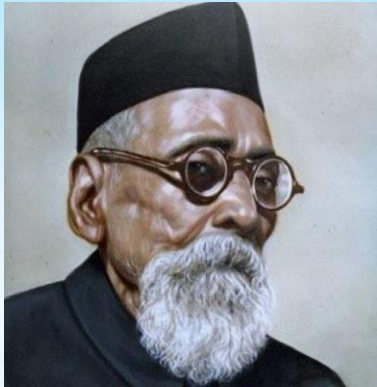
## Motto

An Enlightened Woman is a Source of Infinite Strength





## About Maharshi Karve :



Bharat Ratna Maharshi Karve funded 'Samstha' with the Objective of uplift, emancipation and education of women who formed a major section of socially downtrodden. Dr.karve dedicated his whole life for this humanitarian cause with great determination and courage. For his sacrifice and dedicated social work and his contribution to the noble cause he was awarded 'Bharat Ratna' the highest national award.



## About Maharshi karve Stree Shikshan Samstha :

The 125-years-old parent body has been committed to "Empowerment of Women through Education". The Institution works relentlessly towards educating the women and thereby making them self-reliant. The Samstha was established in 1896 by the great visionary and social worker Bharat Ratna Maharshi Dhondo Keshav Karve to provide shelter to destitute women. Maharshi Karve Stree Shikshan Samstha, Pune has branches all over Maharashtra in India and more than 35,000 girl students are learning in these institutions. Over the period of last 125 years, the Institution has grown like a banyan tree and at present it runs 65 educational and other units under its umbrella. These units are located at Pune, Satara, Wai, Ratnagiri, Nagpur, Kamshet and Vasai. All these units are meant exclusively for girls or women. We also have hostel and medical facilities for students and working women and old age home for senior citizens.

The Institution offers education from Kindergarten, Pre-Primary, Primary, Secondary, Higher Secondary schools to Higher Education Colleges. At present the Institution runs higher education units like, Engineering, Architecture, Management, Nursing, Fashion Technology, Vocational Training Institute, Laser Technology & Applications, Jewelry Design, etc. With the changing trends in the jobs market, the courses like Data Science, Artificial Intelligence, Machine learning, laser technology, Automotive Mechatronics are also planned in near future. MKSSS strives hard to develop women into truly performing citizens in today's globalization era.



K. B. Joshi Institute of Information Technology established in the year 2003. Joshi Foundation has given generous donation for the construction of the Institute in the name of Pioneering businessman Late. K. B. Joshi who was founder member of several trade groups and trade association including Maharashtra Chamber of Commerce.

Our meticulous thinking in framing up the curriculum, state of art infrastructure with innovative back-up, interactive exposure to the key happenings in the world of IT, makes our students understand the contemporary and future scenario. They are ready to meet pre-requisites of IT world. The Institute is basically interested in issues related to women in IT. It is committed to develop young women IT professionals for the avenues opened up due to tremendous growth of IT sector in every field of Business and day life



### **Vision**

“Empowerment of Women through IT Education”

### **Mission**

“To develop competent young women IT professionals with capability to contribute effectively in the challenging IT environment”.

### **Objectives**

To provide skilled manpower to industry by imparting quality education to women in IT field

Serving the community by educating girl students who are poor, needy, socially and economical weaker

Educating women on health, sports and cultural aspects along with academics to face the challenging environm





Campus :



## Infrastructure Facilities :

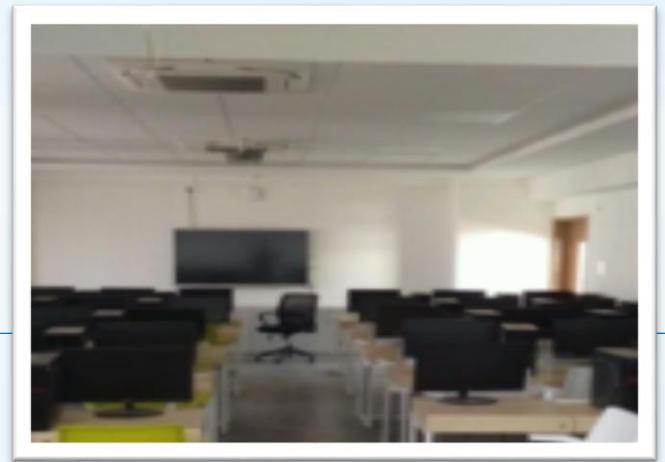
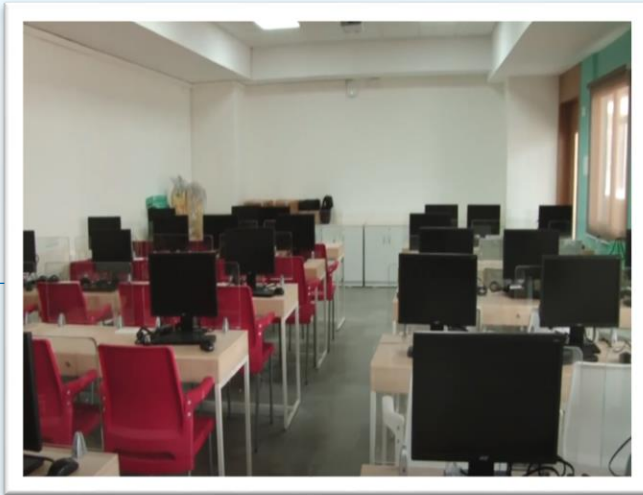
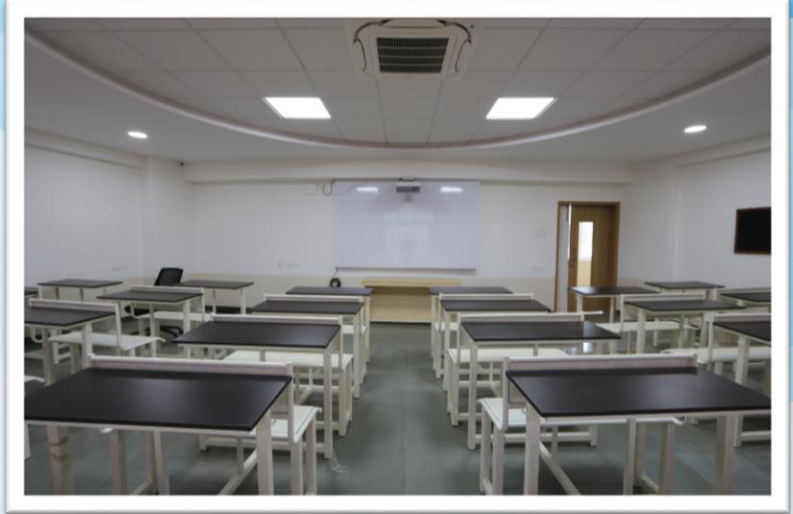
### Class Room

"Education to innovate for Tomorrow"

#### Furnished Classrooms with Presentation aids.

The Institute has well planned lecture halls and syndicate rooms. The halls are airy and well lit.

Each hall has the latest audio - visual teaching aids like Computer, LCD projectors, speakers etc.



### Computer Lab :

#### COMPUTER LAB: "DIVE INTO TECHNOLOGY"

The state of art hub of the institute possesses round the clock facility with the latest hardware, software and networking solutions. High speed internet access round the clock. The lab is equipped with all the required licensed software. Here, learning acquires the implementation mode and students come close to practicality.

### Library:

#### The Library: "Intellect to innovate"

Library is a place in which educational materials such as Books, Periodicals, Projects, Question Banks are kept for learning, reading and references which offers the students a whole reading scope of their choice, thus helping them acquire the knowledge on a wide range of topics. The literary and artistic material such as Magazines, Newspapers, dictionaries etc. are available in the library.





# UG Courses

## BCA (Bachelor of Computer Applications)

Is three years' full time course which is perfect mix of system and application software's. Course code latest trends in Information Technology & aims at developing young IT professionals with IT skills.

### Eligibility:

A candidate for being eligible for admission to the three year course leading to the degree of Bachelor of Computer Applications must have passed the Higher Secondary School Certificate (Std. XII) examination conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education with 45% marks (40% for candidates belonging to Reserved category) with the following subjects :- (from any stream).

- English
- Any one of the Modern Indian Languages or Modern Foreign Languages or any classical Language or Information Technology/ Any four subjects carrying 100 marks each.

OR

- English
- Any one vocational subject carrying 200 marks
- Any three subjects carrying 100 marks each.

OR

Must have passed the Higher Secondary School Certificate (Std. XII) examination with the Minimum Competency based vocational courses (MCVC) conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education.

- English
- Any one of the Modern Indian Languages or Modern Foreign Languages or any classical Language or Information Technology
- General Foundation Course.
- Any one subject carrying 300 marks from among the Minimum Competency based vocational courses prescribed by the Higher Secondary School Certificate examination from time to time.

OR

Must have passed an examination of other Board or Body Recognized as equivalent thereto.

OR

- Must have passed any three year Government recognized Diploma programme.

### Opportunities after B.C.A.

- Can enrol for M.B.A. or M.C.A.
- Become Data scientist
- Software Engineer
- System Analyst
- Network Administrator
- Web developer
- Database manager
- IT Support in BPO/KPO





# B.Sc. Information Technology(B.Sc.IT)

Is three years' full time course which is perfect mix of system and application software's. Course code latest trends in Information Technology & aims at developing young IT professionals with IT skills.

## Eligibility:

A candidate for being eligible for admission to the three year course leading to the degree of Bachelor of Science must have passed the Higher Secondary School Certificate (Std. XII) examination conducted by the different Divisional Boards of the Maharashtra State Board of Secondary and Higher Secondary Education with the following subjects : -

### English

Any one of the Modern Indian Languages or Modern Foreign Languages or any classical Language or Information Technology

Any four Science subjects carrying 100 marks each.

OR

### English

Any one vocational subject carrying 200 marks

Any three Science subjects carrying 100 marks each

OR

Must have passed an examination of any other recognised Board or Body Recognized as equivalent. Students who have not done Mathematics at 12 th Std. are needed to take a bridge course in Mathematics and pass in a university conducted test before Semester I examination.

## Opportunities after B.Sc.(IT)

Some of the opportunities after B.Sc.(IT) are listed below

- Application Programmer.
- Information Technologist.
- Computer Information Specialist.
- Database Administrator.
- Enterprise Information Office.
- Graphic Designer.
- Hardware & Network Expert.
- Information Architect.
- Software Engineer



# M.Sc. Computer Science

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## Eligibility

- A Science Graduates in BSc.(Physics), BSc. (Maths.), BSc (Elect.), BSc.(IT), B.Sc.(CS) or BCA or any engineering graduate in allied subject from the recognized university with an aggregate marks not less than 50% (Open Category) and 45%(Reserved category).
- Mathematics at 12th Level or 100 marks mathematics studied at graduation level is minimum requirement.

## Job Roles After M.Sc Computer Science

After M.Sc Computer Science, a candidate can choose to work for different job roles. The job roles can be chosen based on the knowledge, skills and interest.

- Computer Network Architect
- Data Scientist
- Web Designer
- Software Consultant
- Computer Engineer
- Computer System Analyst
- Information Security Manager
- Assistant Professor



## Hostel: "Home away From Home"

Safe and comfortable hostel is available at Sir David Sasson Hostel Complex.

Facilities at Hostel	
<ul style="list-style-type: none"><li>• Well arranged rooms with good ventilation, furniture and fan</li><li>• Study table and chair in each room</li><li>• High Security</li><li>• Trained and Qualified Staff</li><li>• 24 Hours medical facility</li></ul>	<ul style="list-style-type: none"><li>• 24 hours hot water facility</li><li>• Water coolers on each floor</li><li>• Television, Newspaper, Magazines etc.</li><li>• Generator Backup</li><li>• Spacious Dining Halls</li></ul>



## Health Club: "Commit to be fit"

Physical fitness is given equal importance for a sound mind resides in a sound body. The Samstha has a play ground with facilities for jogging, cricket, basketball, kabaddi, khokho, etc. The campus also has a Dhyam Mandir for meditation purposes. The Tejswini Health Club provides all the modern fitness equipment's. It also provides training in Yoga and Aerobics. The Institute's building provides facilities for indoor games like Carom, Chess and Table-tennis etc.



## Other

Banks, ATM, Post Office, Doctors, Medicals outside college campus.

## Distinguished Qualified Staff

The professors at KBJIIT are qualified and trained through workshops and seminars. They frequently participate in Faculty Development Programs (FDPs), Conferences for knowledge updates as well as in co-curricular activities for motivating students. They contribute in overall development of College. Teachers at KBJIIT make use of latest ICTs for teaching to students.





# CULTURAL



# Placement



Placement is that time of the year when students move out of the wonderful cocoon that the college has created to develop and nurture them, into full-grown butterflies - ready to take on the world with their skills.

The Placement Cell of K.B.Joshi Institute of Information Technology has had another fruitful year of placements which saw various companies approach us in their hunt for fresh talent for their organizations

Since last 10 Years, College is conducting pool campus placement drive for BCA and B.Sc. students under SNTD Women's University, Mumbai and Savitribai Phule Pune University. College is acting as an interface between Companies and Placement ready students.

## Preparation of Placement

Placement training session for students and it include aptitude preparation, Mock Interviews, Team, Building, Resume Building, Leadership Management, Group Discussion, Aptitude at work etc.

## Top Recruiting Companies





## 1.TCS -

Aptitude and soft skill training



## 2.Cognitive Exchange California, USA

- Enhance key life skills (Communication, Organization & Leadership)
- Conduct speech & debate program
- To form "Speech & Debate Club"
- This program will conduct with the help of 'Goto meeting Application'
- Debate Competition: To check the improvement in Communication Skill, Body Language and Soft Skills

## 3. Quick Heal



- Internship certificate to students
- Online certification to staff and students
- Earn and Learn Program



eClerx



**Python, Communication Skills,  
R Programming**





# COLLEGE EVENTS AT A GLANCE



ANNUAL SOCIAL GATHERING



ORIENTATION PROGRAM



PRIZE DISTRIBUTION



INDUSTRY INSTITUTE MEET



CYBER SECURITY SUMMIT



CYBER SECURITY SUMMIT



UNIVERSITY CENTENNIAL YEAR TORCH RELAY



YOGA DAY



# Additional Academic Input

**Mathematics Bridge:** College organizes bridge course on Mathematics for the students who are Arts and Commerce at 12th Students. This helps them to cope with Mathematics subject of curriculum.

**Accounts Bridge:** College organizes bridge course on Mathematics for the students who are Arts and science at 12th Standard. This helps them to cope with accounts subject of curriculum.

**CSI Membership:** Our Institute is member of Computer Society of India where students get monthly CSI Magazines. CSI arranges many guest lectures, seminars on current trends where eminent IT expert's guides which benefits our students.

**Communication Skills:** Additional Academic Input: Training of English communication is given

to FYBCA students. It helps student to improve their language skill in terms of Speaking and Writing.

**Aptitude Preparation:** Under pre-placement Initiative college conducts Aptitude & Personal Interview training for TYBCA students. It helps student to crack aptitude test & clear Interview during placement drive.

**Foreign Language:** With the globalization of Indian economy, Multinational companies coming to India and more and more companies going for joint ventures abroad - the job scenario for those proficient in foreign languages have opened up. With the association of Sumati Deshmukh Institute of Foreign Languages for Women college conduct Japanese and German language training.

## Anti-ragging Committee

- Ragging is strictly prohibited in K.B.Joshi Institute of Information Technology.
- Any student indulging in any kind of ragging will be liable to punish in accordance with "UGC"
- Regulation on curbing the menace of ragging in higher educational institutions, 2009", constituted by the University Grants Commission.
- The punishment under these regulations includes rustication from the institute and / or prosecution under Criminal Act.

## Women's Grievance Cell Against Sexual Harassment

- As per the directives given by Supreme Court, Samstha has formed Committee for "Anti Sexual Harassment" (CASH)"

## Grievance Redressal Cell

- Grievance Redressal Cell is formed as per UGC guidelines for students.

## National Service Scheme (NSS)

College conducts various activities under NSS.

- To promote women empowerment from leading lady personalities, PPT Competition on "Dynamic Top Leading lady Personalities in India" was Organized.
- To create awareness about Swami Vivekanand's thoughts, PPT competition was organized on Notional Youth Day.





# Essential of Refund Fees

- The students should submit written application on plain paper for cancellation of admission(with the date ) along with the original fee receipt.
- Purpose of the cancellation should be clearly stated in the application.
- The application should be signed by the Head of the Department
- The application should be "inwarded" by the Department office.

Time of withdrawal	Condition of withdrawal	Refund of Tuition Fees	Refund of Other Fees	Refund of Deposit Charging	of Processing Fees
Application for withdrawal submitted before starting of the program or before close of admission process, whichever is earlier		75% of the Tuition Fees to be refunded	75% of the Fees to be refunded	All deposit to be refunded	Rs. 1,000/-
Application for withdrawal submitted after starting of the program or after close of admission process, whichever is earlier	The seat failing vacant is filled by admission of another candidate	50% of the Tuition Fees to be refunded	50% of the Fees to be refunded	All deposit to be refunded	Rs. 1,000/-
	The seat remains vacant even after closure of admission process	Entire fee will be forfeited	Entire fee will be forfeited	All deposit to be refunded	





# Documents

## **Documents to be Submitted for Application BCA and B.Sc. IT**

1. Photocopy of Marksheet of XII.
2. Photocopy of College Leaving Certificate for XIIth passed.
3. Caste Certificate, if applicable.

## **Documents to be Submitted for Application M.Sc. CS**

1. Photocopy of Mark List of XII.
2. Photocopy of College Leaving Certificate for XIIth passed.
3. Last Year Marksheet
4. Caste Certificate, if applicable.
- 5.

## **Documents required at the time of admission**

1. Marksheet and Passing Certificate of SSC (Original & True Copy)
2. Marksheet of HSC (Original & True Copy)
3. Original Degree Marksheet
4. Leaving Certificate of previous College (Original)
5. Photocopy of UID (Adhar Card)
6. Gap Certificate (Original), if applicable
7. Migration Certificate for students who have migrated from other statutory University or Boards, if applicable (Original)
8. Marriage Certificate, if applicable
9. Certificate of active/retired military services, if applicable
10. Certificate of Kashmiri migrant, if applicable
11. Certificate of Physical handicapped, if applicable
12. Caste Certificate and Caste Validity Certificate, if applicable
13. Recent Photographs - five copies

## **Freeship, Scholarship by Social Welfare Department**

Fee concession for Schedule Caste (SC)/Schedule Tribe (ST) is available as per Government Rules. Students have to submit following documents for availing Freeship/ Scholarship under SC/ST categories (Documents required at the time of admission)

1. Marksheet and Passing Certificate of SSC (Original & True Copy)
2. Marksheet of HSC (Original & True Copy)
3. Leaving Certificate of previous College (Original)
4. Photocopy of UID (Adhar Card)
5. Gap Certificate (Original), if applicable
6. Photocopy of Caste Certificate
7. Photocopy of Caste Validity Certificate
8. Income Certificate (Original, approved by Tehsildar only)
9. Bank Pass Book of Student (Front page having A/c No., IFSC Code etc.)



# Syllabus

## BCA SEMESTER-I

Code	Subject
1101	Business and technical communication Skills
1102	Problem Solving using C
1103	Web Programming
1104	Computer Fundamentals and Operating System
1105	Office Automation Tools
1201	Problem Solving using C Lab
1202	Web Programming Lab

## BCA SEMESTER-II

Code	Subject
2101	Environmental science & RTI
2102	Programming Methodology and C++
2103	Database Management System
2104	Mathematics I
2105	Principles & Practice of Accounting
2201	Programming Methodology and C++ Lab
2202	Database Management System Lab

## BCA SEMESTER-III

Code	Subject
3101	Data structures
3102	JAVA Programming
3103	Mathematics II
3104	Computer Organisation & Architecture
3201	Data structures Lab
3202	JAVA Programming Lab

## BCA SEMESTER-IV

Code	Subject
4101	Python Programming
4102	Introduction to Microprocessor
4103	Computer Networks
4104	Software Engineering
4201	Python Programming Lab
4202	Introduction to Microprocessor Lab

## BCA SEMESTER-V

Code	Subject
5101	Mobile Application
5102	Artificial Intelligence
5103	Cyber Security
5104	Multimedia and Application
5105	Elective1-Management Information System
5106	Elective 2 - Search Engine Optimization
5107	Elective 3 - Data Analysis and Visualization
5108	Mobile (Android) Application Lab

## BCA SEMESTER-VI

Code	Subject
6101	Cyber Laws and Intelligent Property Rights.
6102	Data Warehousing & Data Mining
6103	IOT
6104	Elective 1 - Machine Learning
6105	Elective 2 - Block Chain Technology
6106	Elective 3 - Big Data & Cloud Computing
6107	Project



# BSc(IT)

## BSc(IT) SEMESTER-I

Code	Subject
1101	Communication Skills
1102	Problem Solving using C
1103	Introduction to IT & Operating Systems
1104	Mathematics-I
1105	Principles & Practices Of Accounts
1201	Problem Solving using C Lab
1202	UNIX/LINUX- Operating Systems Lab

## BSc(IT) SEMESTER-II

Code	Subject
2101	Environmental science
2102	Programming Methodology and C++
2103	Data Structures using 'C'
2104	Mathematics II
2105	Technical Writing
2201	Programming Methodology and C++ Lab
2202	Data Structures using 'C'

## B.Sc(IT) SEMESTER-III

Code	Subject
3101	Database Management Systems
3102	JAVA Programming
3103	Computer Networks
3104	Computer Organisation & Architecture
3201	Database Management Systems Lab
3202	JAVA Programming Lab

## B.Sc.(IT) SEMESTER-IV

Code	Subject
4101	Advance Java
4102	Python Programming
4103	Data Warehousing and Data Mining
4104	Software Engineering
4201	Advance Java Lab
4202	Python Programming Lab

## B.Sc(IT) SEMESTER-V

Code	Subject
5101	Mobile Application Development
5102	Internet of Things
5103	Internet Security
5104	Green Computing
5105	Elective 1 - Software Testing
5106	Elective 2 – Digital Marketing
5107	Elective 3 – Network Programming
5201	Mobile Application Development Using Android- Lab

## B.Sc.(IT) SEMESTER-VI

Code	Subject
6101	Intelligent Property Rights and Cyber Laws
6102	Enterprise Resource Planning
6103	Ethical Hacking
6104	Elective 1 - Machine Learning
6105	Elective 2 - Block Chain Technology
6106	Elective 3 - Cloud Computing
6201	Project





# Master of Science (Computer Science)

## MSc-CS SEMESTER-I

Code	Subject
1101	Operating Systems
1102	Software Engineering and Project Management
1103	Data Structures and Analysis of Algorithm
1104	Cyber Security
1105	Data Communications and Networking
1201	Operating Systems Lab
1202	Data Structures and Algorithm Lab

## MSc-CS SEMESTER-II

Code	Subject
2101	Web Technology
2102	Computer Organization and Architecture
2103	Database Management Systems
2104	Design & Analysis of Algorithms
2105	Elective-I
2201	Web Technology Lab
2202	Database Management Systems Lab

## MSc-CS SEMESTER-III

Code	Subject
3101	Object Oriented Programming with Java
3102	Dataware housing and Data Mining
3103	Research Methodology
3104	Mobile Application Development using Android Programming
3105	Elective-II
3201	Java Lab
3202	Android programming lab

## MSc-CS SEMESTER-IV

Code	Subject
4101	Research Seminar
4102	Internship-Project

Elective-I	Elective-II
1. Software Testing and Tool	1. Image Processing
2. Big Data Analytics	2. Digital Forencics
3. Computer Graphics	3. Geographical Information Systems
4. Enterprise Resource Planning	4. Internet of Things
	5. Multimedia Applications



## Our Committee Members

Maharshi Karve Stree Shikshan Samstha

President : Smt.Smita Ghaisas

Chariman: Shri. Ravindra Deo

Vice- Chairman: Smt. Vidya Kulkarni

Secretary: Dr. P.V.S. Shastry

### Constitution of CDS

Chairperson of the management  
Committee -  
Secretary -  
Head of the Department -  
College Teaching Staff -  
  
College Non-teaching staff -  
Education -  
Industry -  
Social -  
Coordinator Internal Quality Assurance -  
President and Secretary of the College -  
Students Council-  
Principal of the College -

### Members

Smt. Vidya Kulkarni  
  
Dr. Madhuri Khambete  
Asst.Prof. Rupali Saraf  
Asst.Prof.Kalyni Namjoshi  
Asst.Prof. Aparna Kale  
Asst.Prof.Asawari Sawant  
  
Shri.Girish Moghe  
Dr.Kishor Desarda  
Shri Atul Nagras  
Shri Prabhakar Sonpatki  
Asst.Prof. Rupali Saraf  
Akshata Bedarkar SYBCA  
  
Dr. Swati Sayankar



“Women Education and National Development are closely related”.

- Maharshi Karve



Maharshi Karve Stree Shikshan Sanstha's

**K. B. Joshi Institute of Information Technology**

Karvenagar



## *The Great Visionary*

**Bharat Ratna Maharshi Dhondo Keshav Karve,**  
popularly known as Maharshi Karve  
was born on 18 April 1858 in Sheravli (Ratnagiri Dist.)

**One Lamp Lights another. Doing so does not grow less Luminous!!!**