

## Department of Computer Science and IT

### About the Department of Computer Science:

The department of Computer Science established in the year 1986. It is the oldest department in the State of Maharashtra and topmost in the SGB Amravati University area. Firstly, undergraduate course was started then post graduate course was added in the year 2007. Keeping pace with the changing scenario it has introduced in 2005 Certificate / Diploma / Advance Diploma in Information & Computer Technology at undergraduate level under UGC's Career Oriented Programs. It has sufficient infrastructural facilities available as per need and latest development in the field like computer science and Information Technology.

- AC server room.
- All Departments are connected with 100 Mbps Internet Optical Fibre line with 09 FTTH Connections.
- College is also having leased line.
- Wi-Fi Facility-Indoor: Wi-Fi facility is available in all Departments and College Campus (Computer science, Commerce, Geology, English, Biochemistry, Biotechnology, M G Study Centre, Chemistry, Physics, Electronics, Library, NRC).
- Around 90% of computers have internet facility.
- Department printers are connected through LAN and Wi-Fi in order to obtain the hard copy.
- Interactive Teaching and learning facility

### Research Activity

- SGBAU, Amravati Recognized Well-equipped Computer Science Research Lab for registered research students.
- The 14 Research Scholars are doing research in research lab.
- Two students awarded Ph.D. Degree from SGB Amravati University, Amravati.
- The faculty Members of the Department and Research Students are actively involved in the research in computer science and more than 150 research article are published in national and international reputed Journals having impact factors and UGC recognized.
- Department has organized National Level Conference having chief guest a renounce Scientist and inventor of Super Computer "Param" Dr. Vijay Bhatkar.

**Location of the Department and area in Campus: (Building: Dnyanyog)**

<b>sq.mts: Location</b>				
<b>*</b>				
<b>Departmental area in sq. mts.</b>	Laboratories	UG - 111.4836	PG - 111.4836	Research - 41.8064
	Space for Faculty Accommodation (Staff room + HOD Cabin) – 37.1612			
	Departmental Store/ Power Room - 5.57418, Server Room - 7.43224			
	Seminar Hall - 185.8061			
	Class Rooms - 185.8061			
	Departmental Library – Included in the Computer Lab			
<b>Total Built up area in sq. mts.</b>	562.0634			

**Link of Departmental Website:** <http://shivajicsakola.in/>

## HOD Cabin

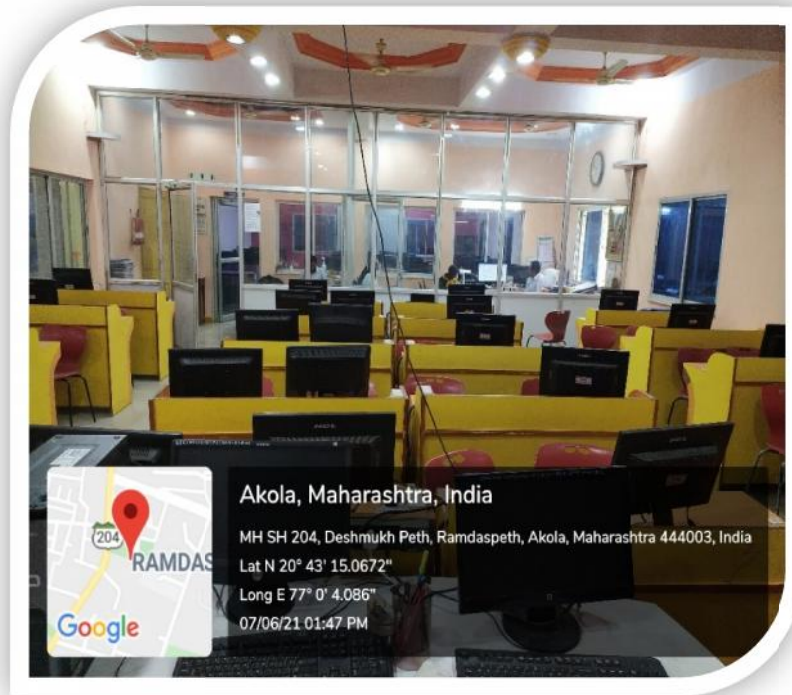


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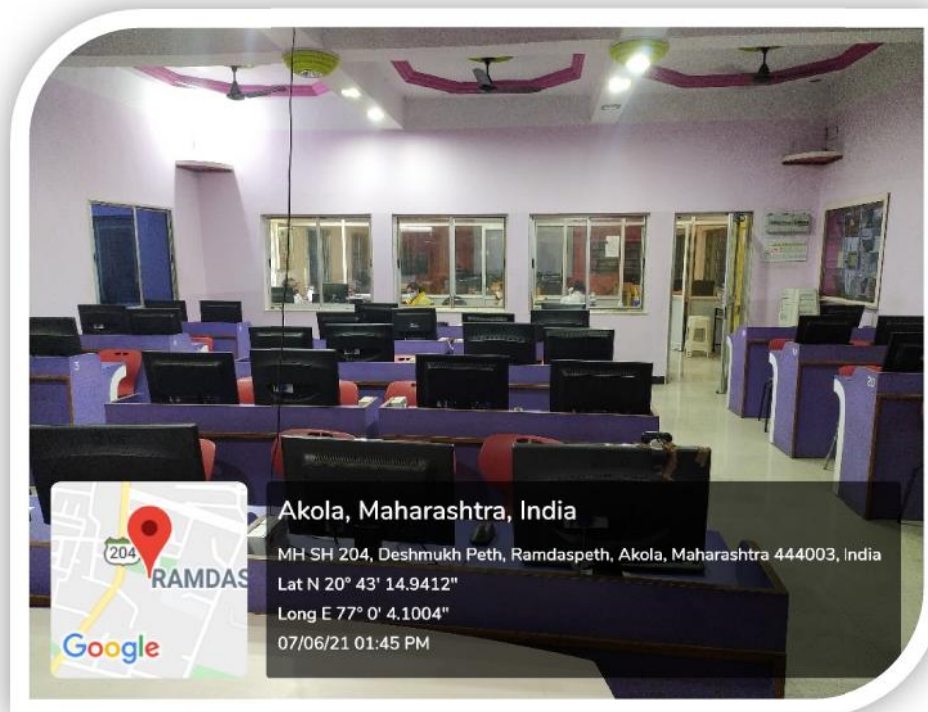
## Staff Room



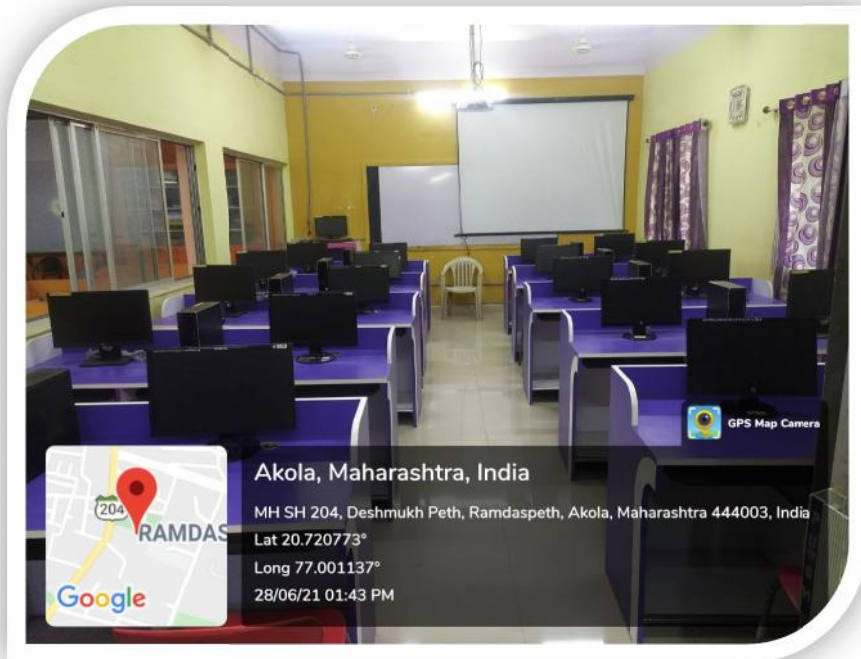
## PG Lab



## UG Lab



## Research Lab



## Departmental Library



## Faculties in Department

- It has total six regular granted qualified teaching faculties
- out of which two are Professors and other are Assistant Professor.
- Three having Ph.D. degree and three are NET/SET qualified.
- Two faculties are recognized as Ph.D. supervisor.
- There are four assistant professors on ad-hoc basis and one is on Clock Hour Basis.
- Three faculty members are registered for Ph.D. in SGBAU, Amravati

Sr. No	Name of Faculty	Designation	Qualification
1	Dr. Vinod M. Patil	Head	Ph.D. , M.Phil. , M.Sc., PGDCS
2	Dr. Dipak N. Besekar	Professor	Ph. D. , M.Phil. , MCA
3	Ms. Rupali S. Kale	Asst. Prof.	M.Sc., NET, SET, GATE
4	Ms. Anita B. Dube	Asst. Prof.	M.Sc., M.Phil. NET, SET, B.Ed.
5	Dr. Santosh M. Chavan	Asst. Prof.	M.Sc., Ph. D.
6	Ms. Mayuri R. Gudade	Asst. Prof.	M.Sc., NET, B.Ed.
7	Dr. Ashish P. Patokar	Asst. Prof.	M.Sc., Ph. D.
8	Mr. Anup Jadhao	Asst. Prof.	MCA, M.Sc. (Computer Science)
9	Mr. Chandrakant R. Mankar	Asst. Prof.	M.Sc. (Computer Science)
10	Mrs. Pooja Shukla	Asst. Prof.	MCA, M.Sc. (Computer Science), B.Ed.

- Faculty members also published their research article in abroad and hold position like session chair and invited talk in abroad and two minor research project also completed funded by UGC.

## Courses Available

Four departments viz Electronics, Physics, Mathematics, Statistics are connected with this department. The department offers 4 subject batches i.e. CEP, CES, CMP, CMS for UG.

Sr. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength
1	Under-Graduate	B.Sc.	3 yrs	HSC Pass	English	130
2	Post-Graduate	M. Sc.	2 yrs	B.Sc./B.C.A. Pass	English	30
3	Ph.D.	Computer Science	3 yrs	M.Sc. + MPET/MPhil/NET/SET	English	16
4	M.Phil.	Nil	Nil	Nil	Nil	Nil

## COP Courses

Sr. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction
1.	Certificate Courses	Career Oriented Program in Information & Computer Technology	06 months	B.Sc. I Appeared	English

**Merit Students**

**SGB AMRAYATI UNIVERSITY PG- EXAMINATION SUMMER 2016  
RANK 1<sup>ST</sup>**



**Ms. Rubeena Parveen Abdul Shakeel**

**UNIVERSITY TOPPER IN M.Sc. (COMPUTER SCIENCE)  
RANK 2<sup>ND</sup>**



**Ms. AMMARA SAMAN AYAZ AHMAD KHAN  
2<sup>ND</sup> TOPPER IN UNIVERSITY  
B.Sc. III SUMMER 2016 EXAM**

**SGB AMRAYATI UNIVERSITY PG- EXAMINATION SUMMER 2017**



**MISS. CHETANA S. BIYANI  
FIRST MERIT IN EXAMINATION SUMMER 2017  
&  
UNIVERSITY 2<sup>ND</sup> TOPPER IN M.Sc. (COMPUTER SCIENCE)**



**SGB AMRAYATI UNIVERSITY PG- EXAMINATION SUMMER 2017**



**MISS. RIYA DHANWANI  
FIFTH MERIT IN M.Sc. (COMPUTER SCIENCE) UNIVERSITY**

**SGB AMRAYATI UNIVERSITY PG- EXAMINATION SUMMER 2019  
M.Sc. (COMPUTER SCIENCE) OF 2017-19  
UNIVERSITY MERITS**



**MISS. SHIVANI BADHE  
5TH MERIT**



**MR. PRASHANT JOSHI  
6TH MERIT**



**MISS. MAITHILI PANDE  
7TH MERIT**

**SGB AMRAVATI UNIVERSITY UG- EXAMINATION  
SUMMER 2019  
B.Sc. (COMPUTER SCIENCE) OF 2016-19  
UG-DEPARTMENT OF COMPUTER SCIENCE  
UNIVERSITY MERITS**



**MISS SARAH KHAN AYYUB KHAN  
8TH MERIT**

**PG DEPARTMENT OF COMPUTER SCIENCE & IT  
SUBJECT: M.Sc. (COMPUTER SCIENCE)  
SUMMER: 2020 EXAMINATION**



**KU. POOJA DHANANJAY DESHMUKH  
UNIVERSITY MERIT RANK: 03  
CGPA: 8.08**

## **Research Publication**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>
Analysis of data privacy service availability and multiple security requirements for protecting total cloud computing system	Dr. V. M. Patil	Smart India vision 2020 Innovations and Computer Application Management & Commerce	2017	2319-4979
IoT would be used to felicitate distant health monitoring and emergency health care system	Dr. V. M. Patil	Smart India vision 2020 Innovations and Computer Application Management & Commerce	2017	2319-4979
Energy efficiency a major aspects of routing protocol for query processing in mobile networks	Dr. V. M. Patil	Smart India vision 2020 Innovations n Computer Application Management & Commerce	2017	2319-4979
Data transmission security challenges in cloud computing as a SaaS model	Dr. V. M. Patil, Ashish A. Patokar	International Journal of Scientific & Engg Research	2016	2.2E+07
Open challenges from the cloud computing adoption perspective	ASHISH A. PATOKAR1, DR. V. M. PATIL2, PROF. S. V. DHOPTÉ3	International Journal of Pure & Applied research in Engg. & Technology	2016	2319-507x
A review of challenges of cryptography technique in cloud computing	Ashish A. Patokar1, Dr. V. M. Patil2	International Association of Scientific Innovation & Research	2016	(ISSN Print)2279-0063 (ISSN Online) 2279-0071.
Efficient analysis of big data by using Hadoop in cloud computing by map reducing	Dr. V. M. Patil	National Conference on Innovative Trends in Science & Engg.(NC-ITSE 16)	2016	2321-8169
An overview of security scenario for 5G network	Dr. V. M. Patil	International Journal of Scientific & Engg Research	2016	2229-5518
Internet of things in an advanced concept of ICT for better human life	Dr. V. M. Patil	International Journal of Pune & Applied Research in Engg & Tech. (IJPRET, Vol 4 (9))	2016	2319-507x
A study of data transmission algorithm for secure data storage by using cloud computing	Dr. V. M. Patil	International Journal on Recent & Innovation Trends in Computing &	2017	2321-8169

		Communiacion		
Role of cloud computing in agricultural sector for economic development in the developing countries	Dr. V. M. Patil	International Conference on Recent Trends in Science & Technology ICRTST	2018	2349-638x
Issues related to data security and privacy in cloud computing	Dr. V. M. Patil	International Journal for Research in Applied Sci. & Engg. Technology (IJRASET)	2018	2321-9653
Energy efficient performance of routing protocols in mobile networks	Dr. V. M. Patil	International Journal on Recent & Innovation Trends in Computing & Communication	2017	2321-8169
“A Framework of Enhanced Cloud Data Security and its Analysis”, 61st IETE Annual Convention 2018 on “Smart Engineering for Sustainable Development” special issue of IJECSCSE ISSN: 2277-9477, pp 183-186.	Dr. V. M. Patil	IJECSCSE , pp 183-186.	2018	ISSN: 2277-9477
“Overview Of Different Approaches Of Web Content Mining Tools And Techniques”, 61st IETE Annual Convention 2018 on “Smart Engineering for Sustainable Development” special issue of IJECSCSE ISSN: 2277-9477, pp 71-75.	Dr. V. M. Patil	IJECSCSE ISSN: 2277-9477, pp 71-75.	2018	ISSN: 2277-9477
“Security Improvement in cloud computing with AES and 3DES Encryption algorithm”, ‘Research Journey’ International E-Research journal, ISSN: 2348-7143, February-2019, pp 278-283. Impact Factor - 6.261.	Dr. V. M. Patil	International E-Research journal	2019	ISSN: 2348-7143

“A Study: Internet of Things Platform and Its Services”, Research Journey’ International E-Research journal, ISSN: 2348-7143, February-2019, pp 305-312. Impact Factor - 6.261.	Dr. V. M. Patil	International E-Research journal	2019	ISSN: 2348-7143
“A Survey on Living with the Internet of Things”, ‘Research Journey’ International E-Research journal, ISSN: 2348-7143, February-2019, pp 189-194. Impact Factor - 6.261.	Dr. V. M. Patil	International E-Research journal	2019	ISSN: 2348-7143
Captcha based information security: A survey	ANITA B. DUBE1, DR. D. N. BESEKAR1, DR. R. J. RAMTEKE2	International Journal of pure & applied seearch in Engg & Technology	2016	ISSN: 2319-507X
Applying classification techniques in e-learning system: An overview	Dr. D.N. Besekar	International Journal of Recent & Innovation Trends in Computing and Communication	2018	ISSN: 2321-8169
Study to review e-learning using data mining & cloud computing	Dr. D.N. Besekar	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2018	ISSN : 2349-638x
Printed Numerical Character Recognition of Ladakhi Script	Dr. D.N. Besekar			
A Study of Comparative Analysis of Machine Learning Classification and Clustering Techniques	Dr. V. M. Patil, Mrs. Rane Seema Vijay	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
Internet of Things (IOT): System Architecture To Analyze Data In Order To Turn Them Into Information Required In Real Time	Dr. V. M. Patil, Neehan Aeman	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
Study On Current Security Issues in Internet Of Things	Ms. U. R. Patil, Dr. Vinod Patil	Aayushi International Interdisciplinary Research Journal	2020	ISSN : 2349-638x

		(AIIRJ)		
Efficient Query Processing in Mobile Databases	Dr. Vinod Patil, Kshitija Patil Dr. Vilas Thakare	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
A Brief survey of Internet of Things And Machine Learning Methods	Dr. V. M. Patil, Ms. Jayshri D. Thorat	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
Survey On Cloud Computing And IOT For Agricultureal Real Time Development In India	Dr. V.M. Patil, A.A. Patokar	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
Survey Paper On On-Line Handwritten Character Recognition Of Devnagri Script	R.S. Kale, Dr. D.N. Besekar	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
A Comparative Study of Image Segmentation Techniques	Ms. A. B. Dube	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
A Survey On Web Mining Concept	Dr. Santosh N. Chavan	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x
Handwritten Character Recognition Techniques on Pali Language: A Survey	Ms. Mayuri R. Gudade, Dr. D. N. Besekar	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2020	ISSN : 2349-638x