



## Sant Gadge Baba Amravati University Amravati

**R. A. Arts, Shri M. K. Commerce & Shri S. R. Rathi Science Mahavidyalaya, Washim.**

**Department of Computer Science**

**Profile of the Department**

**Session: 2019-20 to 2023-24**

### **Index**

1. Vision Mission Objectives of the College:

**Vision:**

Creating the foundation upon which our young generation can build, shape, sharpen and add value to their intellectual and human potential.

**Mission:**

By imparting quality education with discipline in an increasing array of fields to the students in rural background, we can envisage population problem that is not a weakness but strength. Evolving institutional environment conducive to the creation and use of leading edge knowledge and skills.

Improving attitudes and habits of our learning community

**Objectives:**

Pursuit of excellence and drive for outstanding performance.

2. List of teachers along with Faculty profiles of all teachers (including Fulltime CHB). (Separate File Folder Attached)

**List of teachers from 2019-20 to 2023-24**

Sr. No.	Name of the Teacher	Date / Year of Appointment
1.	Mr. G. P. Gawali	23-03-2016
2.	Mr. A. M. Thakur	15-07-2022
3.	Mr. P. M. Ingle	15-07-2022
4.	Mr. N. S. Laddha	15-07-2023
5.	Miss. S. S. Dalal	15-07-2024
6.	Miss. P.P. Waghmare	09-07-2024
7.	Miss. M. A. Kashte	09-07-2024
8.		

3. Academic Dairies of previous five years:

Academic Diaries of all the Teaching Staff members are available in the Department.

4. Class wise syllabus (Provide Links only) (Previous five years)

- Faculty of Humanities- Link of Arts Faculty Syllabus: <https://sgbau.ac.in/Syllabus/ArtFaculty.aspx>
- Faculty of Commerce & Management- Link of Syllabus: <https://sgbau.ac.in/Syllabus/CommerceFaculty.aspx>
- Faculty of Science & Technology- Link of Syllabus: <https://sgbau.ac.in/Syllabus/Science.aspx>

5. Syllabus Reviews (Previous five years)

- Syllabus Reviews of all the Teaching Staff members are available in the Department

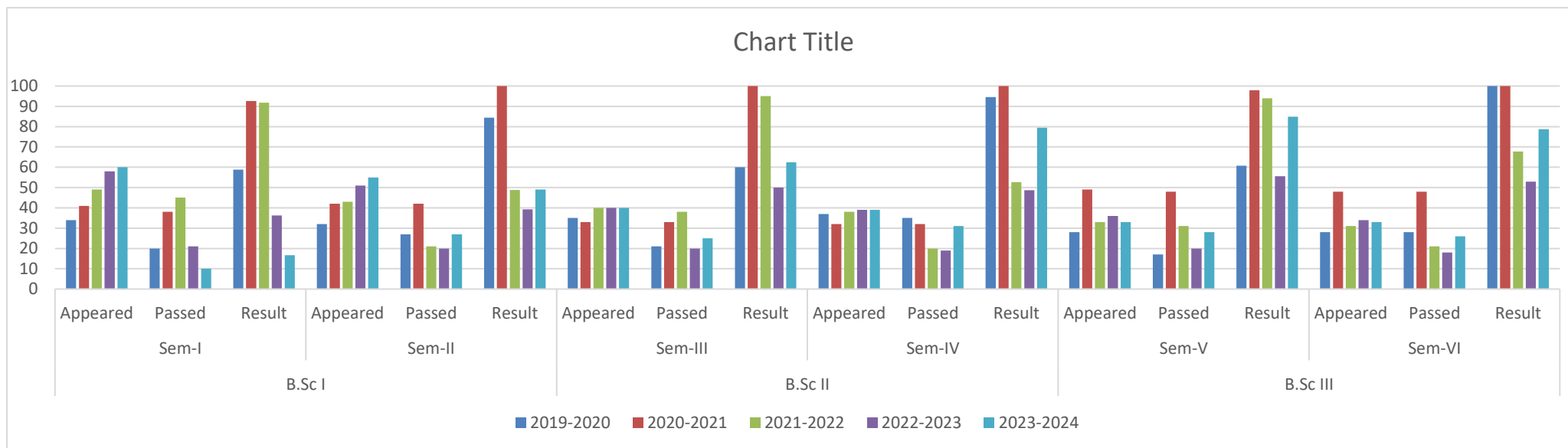
6. Number of students admitted in previous five years. (Attached Separate Folder)

Sr. No.	Class	Subject	2019-20			2020-21			2021-22			2022-23			2023-24		
			Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
1.	B. Sc. I	Computer Science	15	20	35	18	24	42	33	27	60	29	34	63	28	32	60
2.	B. Sc. II	Computer Science	20	15	35	14	16	30	16	23	39	19	21	40	11	31	42
3.	B. Sc. III	Computer Science	12	17	29	33	16	49	13	19	32	14	22	36	16	18	34

7. Results of previous five years with Graph: (Attached Separate File)

**University Results From 2019 To 2024**

Sr. No	Year	B. Sc I						B. Sc II						B. Sc III					
		Sem-I			Sem-II			Sem-III			Sem-IV			Sem-V			Sem-VI		
		A	P	R	A	P	R	A	P	R	A	P	R	A	P	R	A	P	R
1	2019-2020	34	20	58.82	32	27	84.37	35	21	60	37	35	94.59	28	17	60.71	28	28	100
2	2020-2021	41	38	92.68	42	42	100	33	33	100	32	32	100	49	48	97.96	48	48	100
3	2021-2022	49	45	91.83	43	21	48.83	40	38	95	38	20	52.63	33	31	93.94	31	21	67.74
4	2022-2023	58	21	36.20	51	20	39.21	40	20	50	39	19	48.72	36	20	55.56	34	18	52.94
5	2023-2024	60	10	16.66	55	27	49.09	40	25	62.5	39	31	79.49	33	28	84.85	33	26	78.78



8. University Notifications and List of Students: ranking in Distinction/Merit /Awards (Attached Separate File/Folder)

9. List of Research Publications by faculty (last 5 years)

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
						Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list
A Review on Cyber Security and cyberattacks	G.P. Gawali	Computer Science	Vidyawarta	Sep 2021	23199318	<a href="https://www.vidyawarta.com/">https://www.vidyawarta.com/</a>	<a href="https://rac.ac.in/uploads/A%20Review%20on%20Cyber%20Security%20and%20cyberattacks.pdf">https://rac.ac.in/uploads/A%20Review%20on%20Cyber%20Security%20and%20cyberattacks.pdf</a>	A Review on Cyber Security and cyberattacks
Review of Attacks on Physical Objects and Their Counter measures in WSN of IoT Framework	C. R. Mankar Dr. Prof. V. M. Patil G. P. Gawali	Computer Science	ijsrcseit	March 2023	2456-3307	<a href="http://www.ijsrcseit.com">www.ijsrcseit.com</a>	<a href="https://ijsrcseit.com/home/issue/view/article.php?id=CSEIT239732">https://ijsrcseit.com/home/issue/view/article.php?id=CSEIT239732</a>	Review of Attacks on Physical Objects and Their Counter measures in WSN of IoT Framework
Survey of Authentication Framework for the Physical Objects in WSN of IoT	C. R. Mankar Dr. Prof. V. M. Patil G. P. Gawali	Computer Science	ijsrcseit	May-June-2023	2456-3307	<a href="http://www.ijsrcseit.com">www.ijsrcseit.com</a>	<a href="https://ijsrcseit.com/paper/CSEIT23903116.pdf">https://ijsrcseit.com/paper/CSEIT23903116.pdf</a>	Survey of Authentication Framework for the Physical Objects in WSN of IoT
A Study of Authentication, Authorization mechanism for Physical Object in Wireless Sensor network of IoT	C.R.Mankar G.P. Gawali Dr.V.M.Patil	Computer Science	National Conference On Emerging Trends In Computational Science And Technology	2024	ISBN 13:978-81-19435-61-6		<a href="https://rac.ac.in/uploads/A%20Study%20of%20Authentication.pdf">https://rac.ac.in/uploads/A%20Study%20of%20Authentication.pdf</a>	A Study of Authentication, Authorization mechanism for Physical Object in Wireless Sensor network of IoT
BMFA: Biometrics based multi-factor authentication mechanism in wireless sensor network of IoT	C.R.Mankar G.P. Gawali Dr.V.M.Patil	Computer Science	ideal	March 2024	<b>2319-359x</b>	<a href="https://sjifactor.com/">https://sjifactor.com/</a>	<a href="https://rac.ac.in/uploads/BMFA.pdf">https://rac.ac.in/uploads/BMFA.pdf</a>	BMFA: Biometrics based multi-factor authentication mechanism in wireless sensor network of IoT
Overview of IoT Architecture Networking Technologies and Its Applications	G.P. Gawali C.R.Mankar Dr.V.M.Patil	Computer Science	AIP Conference Proceeding	Awaited		<a href="https://pubs.aip.org/aip/acp">https://pubs.aip.org/aip/acp</a>	Scopus	Overview of IoT Architecture Networking Technologies and Its Applications

2. As per data template of SSR : 3.3.2

*Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five year*

*Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five year*

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Calendar Year of publication	ISBN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	G.P. Gawali	Fundamentals of IT and C Programming					2019	978-93-87273-47-9	R. A. College, Washim	Dnyanpath Publication
2	G.P. Gawali	HANDBOOK ON C LANGUAGE					2021	978-93-5526-916-4	R. A. College, Washim	Dnyanpath Publication
3	G.P. Gawali	Fundamentals of Computer and C Programming					2022	978-93-94661-36-3	R. A. College, Washim	Dnyanpath Publication
4	G.P. Gawali	E-Commerce					March 2023	978-93-94661-84-4	R. A. College, Washim	Dnyanpath Publication
5	G.P. Gawali	.Net Technologies and C#					February 2024	978-81-19435-65-4	R.A. College, Washim	Dnyanpath Publication Amravati
6	A. M Thakur	Structured Programming Paradigms					2023	978-93-94661-50-9	R. A. College, Washim	DnyanPath Publication
7	A. M Thakur	Core Java Programming					2023	978-81-19435-98-2	R. A. College, Washim	DnyanPath Publication
8	A. M Thakur	.Net Technologies and C#					2024	978-81-19435-65-4	R.A. College, Washim	DnyanPath Publication

1. As per data template of SSR : 3.3.1 (Research Papers published in Journals)

10. List of Awards and recognition received by faculty (last five years)

NIL

11. List of Faculty who has attended National and International Seminars/ Conferences (last five years)

Sr No.	Name of Teacher	Name of Conference	Date of Conference
1	G.P. Gawali	MS-DEED Level 1 Online Workshop on Introduction to Innovative Pedagogies for UG Teachers	14-16 December 2021
2	G.P. Gawali	International Interdisciplinary Virtual Conference on Recent Advancements in Computer Science, Management and Information Technology RACSMIT 2023	15 <sup>th</sup> March 2023
3	G.P. Gawali	Recent Trends in Humanities, Commerce and Sciences-2024	10 <sup>th</sup> March 2024
4	G.P. Gawali	Emerging Trends in Computational Science and Technology	22 March 2024
5	G.P. Gawali	4 <sup>th</sup> International Conference on Innovation in IoT, Robotics and Automation (IIRA 4.0)	15 <sup>th</sup> , 16 <sup>th</sup> March 2024
6	A.M. Thakur	Recent Advancements in Science and Technology	10 <sup>th</sup> February 2024

12. Details of Workshops / Seminars / Conferences organized (Last five years)-

<b>Sr. No.</b>	<b>Title of the Conference / Workshops / Short Term Course</b>	<b>Name of the Department &amp; Coordinator / Convener</b>	<b>Duration / Date</b>	<b>Number of Participants</b>
1	One-Day Workshop on Preparation of Eco-friendly Ganesh Idol	Dept of CS Mr.G.P.Gawali	1 Day	500
2	Workshop on "Effective Use of Computer in Academic and Administrative Work"	Dept of CS Mr.G.P.Gawali	1 Day	35
3	Workshop on Zoom,Google Meet and Google Classroom, Video Recording for Teachers	Dept of CS Mr.G.P.Gawali Mr.S.L.Mapari	1 Day	45
4	Workshop on E-documentation and uploading documents on college website	Dept of CS Mr.G.P.Gawali	1 Day	36
5	Dell Future Workspace Skills Training Program	Dept of CS Mr.G.P.Gawali	4 Days	
6	Workshop on Uses of Advanced Technology in Administrative Work	Dept of CS Mr.G.P.Gawali	1 Day	40
7	"Empowering Academia: Unleashing the Power of Computers in Education and Administration"	Dept of CS Mr.G.P.Gawali	1 Day	68
8	Workshop on Career Counselling and Personality Development	Dept of CS Mr.G.P.Gawali	1 Day	
9	One day Workshop on Research Methodology	Dept of CS Mr.G.P.Gawali	1 Day	17

13. Number of teachers engaged in consultancy and the revenue generated - NIL

14. Number of Ongoing Minor/ Major Research Projects and its total outlay - NIL

15. Research Projects completed during last five years & its total outlay (Collect Project Reports and publications thereon) - NIL

16. Number of inventions and patents - NIL

17. List of students registered for Ph. D. /On-going / Awarded (Registration Letters / Notifications awarded) - NIL

18. List of Books / Journals in the Departmental Library, if any

Sr. No.	Title of the Book	Writer	Publisher

19. List of Equipment's-

Sr. No	Name of Equipment	Description	Quantity
1	Desktop	Intel I3 10 <sup>th</sup> Gen 10100F 3.6 GHZ, 8 GB RAM, 128 GB SSD, 1 GB Graphics Card, Finger Keyboard and Mouse, with LG 18.5" Monitor.	14
2	Desktop	Intel I3 10 <sup>th</sup> Gen 10100 3.6 GHZ, 8 GB RAM, 256 GB SSD, 2 GB Graphics, Finger Keyboard and Mouse, with Enter 22" Monitor.	15
3	Desktop	Intel I3 10 <sup>th</sup> Gen 10100 3.6 GHZ, 8 GB RAM, 256 GB SSD, 2 GB Graphics, Finger Keyboard and Mouse, with HCL 15" Monitor.	06
4	Printer	LBP 2900	1
5	Printer	HP Leaser Jet P1505	1
6	Projector	Zebronics <i>pixa Play 29 (1)</i> , <i>pixa play-17(2)</i>	3
7	Scanner	HP Scanner	1
8	Web Camera	LW- IC500 USB 2.0	1
	<b>TOTAL</b>		<b>42</b>

20. Reports of Industrial / Excursion Tour / Field visits etc. – Nil



21. List of Activities conducted by the department (Curricular, Co-curricular and Extra-curricular etc.)

Sr. No.	Name of the Activity	Date	Number of Participants
1	Inauguration of Computer Science Association	07/02/2020	
2	Workshop on Effective Use of Computers in Academic and Administrative Work	15/12/2019	35
3	One-Day Workshop on Preparation of Eco-friendly Ganesh Idol	29/08/2019	500
4	Workshop on Zoom, Google Classroom, Google Meet for Teachers	21-08-2020	45
5	“Workshop on e-documentation and uploading documents on College Website”	14-11-2021	36
6	Inauguration of Computer Science Association	17/12/2021	
7	Poster Competition: "Life During Pandemic	17/12/2021	42
8	Inauguration of Computer Science Association	24/03/2024	
9	Dell Future Workspace Skills Training Program	21 to 24 October 2022	
10	Workshop on usage of Advanced Technology in Administrative work	15/09/2022	40
11	"Empowering Academia: Unleashing the Power of Computers in Education and Administration"	20/12/2023	68
12	“Workshop on Handling Management Information Systems (MIS) for Data Collection and Management”	15/09/2023	19
13	Career Counselling and Personality Development Workshop	10/01/2024	143
14	Inauguration of Computer Science Association	09/10/2023	
15	Farewell	19/04/2024	83
16	Dance Competition	19/04/2024	08
17	Alumni Lecture	19/04/2024	83
18	Nature Photography Competition	19/04/2024	20
19	Workshop on Research Methodology for PG Students of CS	05/11/2023	17

22. List of Certificate Courses with Details (As per the Guidelines of IQAC):

<b>Year</b>	<b>Name of the Department</b>	<b>Title of the Certificate Course</b>	<b>Name of the Participated Students</b>
2019-20	Department of Computer Science	Certificate course in Python Programming	Info available in separate file/Folder
2019-20	Department of Computer Science	Certificate course in Software Testing	Info available in separate file/Folder
2021-22	Department of Computer Science	Certificate course in Python Programming	Info available in separate file/Folder
2021-22	Department of Computer Science	Certificate course in Software Testing	Info available in separate file/Folder
2022-23	Department of Computer Science	Certificate course in Python Programming	Info available in separate file/Folder
2022-23	Department of Computer Science	Certificate course in Software Testing	Info available in separate file/Folder
2023-24	Department of Computer Science	Certificate course in Python Programming	Info available in separate file/Folder
2023-24	Department of Computer Science	Certificate course in Software Testing	Info available in separate file/Folder

23. Record (As per the Guidelines of IQAC) of Projects given to the students:

<b>Year</b>	<b>Class</b>	<b>Number of students submitting projects</b>
2022-23	B. Sc III Sem V and Sem VI	32+32 = 64
2023-24	B. Sc III Sem V and Sem VI	33+33 = 66

24. Record (As per the Guidelines of IQAC) of Advanced & Slow Learners:

<b>Year</b>	<b>Class</b>	<b>Number of Identified Slow learners</b>	<b>Number of Identified Advanced learners</b>
2019-20	B. Sc I CPS	12	23
2021-22	B. Sc I CPS	20	11
2022-23	B. Sc I CPS	19	13
2023-24	B. Sc I CPS	26	9

Keep the record of remedies for Advanced and Slow Learners:

Remedial Coaching, Group Discussions, Separate Assignments for Advanced and Slow Learners, Organized Competitions and Activities, Book Bank, Question Bank facility, Involvement in College Committees, Seminars, Guest-lectures, Assigning Special Projects to Advanced learners etc.

25. Record (As per the Guidelines of IQAC) of Bridge Course:

- Record of Bridge Course details of the session 2021-22, 2022-23 & 2023-24 is available in the department.

26. Record (As per the Guidelines of IQAC) of Student Teacher Mentor Scheme

- Record of Student Teacher Mentor Scheme details of the session 2021-22, 2022-23 & 2023-24 is available in the department.

27. Record of Higher Education (Attached Separate File)

Year	Name of student who enrolled for higher education	Program graduated from	Year of graduation	Name of institution joined	Name of program admitted to
2019	Trupti K. Kabra	B. Sc CS	2019	Swami Vivekanand College Washim	M.Sc. CS
2020	Nidhi S. Rawane	B. Sc CS	2020	Swami Vivekanand College Washim	M.Sc. CS
	Radhika U. Lahoti	B. Sc CS	2020	Swami Vivekanand College Washim	M.Sc. CS
	Suraj Rajkumar kanhed	B. Sc CS	2020	Swami Vivekanand College Washim	M.Sc. CS
2021	Pragati Prashant Waghmare	B. Sc CS	2021	Savatribai Phule Pune University	M.Sc. CS
	KU.N. A. LONSUNE	B. Sc CS	2021	Dept. of CS SGBAU, Amravati	M.Sc. CS
	KU N G DESHMUKH	B. Sc CS	2021	Dept. of CS SGBAU, Amravati	M.Sc. CS
	Y. S. BORALKAR	B. Sc CS	2021	Swami Vivekanand College Washim	M.Sc. CS
2022	Bhavika Kamlakar More	B. Sc CS	2022	SSSKR Innani College Karanja	M.Sc. CS
	Akash Kisan Katare	B. Sc CS	2021	Savatribai Phule Pune University	M.Sc. CS
2023	Gauri Madhav Jahagirdar	B. Sc CS	2023	D. Y. Patil College, Pune.	M. C. A
	Punam Pandhari kankal	B. Sc CS	2023	R.A.College,Washim	M. Sc CS
	Jayashri Pramodrao Wagh	B. Sc CS	2023	R.A.College,Washim	M. Sc CS
	Aishwarya Anil Aprukar	B. Sc CS	2023	R.A.College,Washim	M. Sc CS
	Dnyaneshwar Sanjay Chandanshiv	B. Sc CS	2023	R.A.College,Washim	M. Sc CS
	Adash S Gawali	B. Sc CS	2023	R.A.College,Washim	M. Sc CS
	Akash P Surve	B. Sc CS	2023	R.A.College,Washim	M. Sc CS

28. Record of Placement (Attached Separate File)

Year	Name of student who has been placed	Program graduated from	Year of graduation	Name of the employer with contact details	Pay package at appointment (In INR per annum)

29. Record of Students Qualifying NET, SET, SLET, GATE. JAM and Competitive Examinations



**Signature by the Head of the Department**