



JSS Mahavidyapeetha

JSS COLLEGE FOR WOMEN

(AFFILIATED TO THE UNIVERSITY OF MYSORE & RE-ACCREDITED BY NAAC 'A' GRADE WITH CGPA 3.02),

CHAMARAJANAGAR – 571313

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DEPARTMENT OF CHEMISTRY



PROFILE



2024

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ABOUT THE DEPARTMENT

- ◆ The Department of Chemistry was established in the year 1967.
- ◆ The department is housed in the Ground floor of the Science building.
- ◆ Chemistry is one of the major subjects and is sought by many students.
- ◆ The department has been providing quality education in Chemistry.
- ◆ Over the last five years the department has built its reputation as one among the best to the other department.
- ◆ Presently, the department has 03 experienced, qualified and highly dedicated faculty members to mentor and guide the students.
- ◆ The faculty members of the department to upgrade their knowledge by attending orientation courses, refresher courses, seminars and workshops besides Internet and library.
- ◆ The syllabus offered by the department at Undergraduate level is aimed at providing students with a strong foundation of the subject and making them proficient in both theory and practical, so that they are ready to take up higher studies in Chemistry in any reputed institution all over the world.
- ◆ Chalk and board teaching are the primary mode of teaching, chart, models and power point presentation are also used as teaching aids.

- ◆ The department has three well equipped laboratories to provide the needs of the students.
- ◆ The college central library consists of 1707 books with 594 number of titles, 03 Journals/Magazines (Resonance, Current science, Journal of Chemistry and applications) and INFLIBNET services.
- ◆ The department library has 65 books.
- ◆ The department organizes special lecture programs by eminent speakers, e-Quiz and industrial visit to motivate students to take up higher studies and to pursue research in Chemistry.
- ◆ Students are encouraged to develop the habit of self study and use of the library for reference work.
- ◆ Students are encouraged to participate in workshops/Seminars/Conferences/ Exhibition.
- ◆ The department has an **MOU** with Central Institute of Plastic Engineering and technology (**CIPET**) on 06-06-2022.
- ◆ Felicitation of Meritorious students to promote and encourage the students to excel their studies.

~: VISION :~

To provide high quality value based, skill based and career oriented education to meet the global challenges.

~: MISSION: ~

- ◆ To foster creativity in teaching and learning.
- ◆ To build a knowledge base and promote quality initiative.
- ◆ Encourage the students to take up Chemistry Honours.
- ◆ Make the students more perfect in Chemistry

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GOALS OF THE DEPARTMENT

- To provide a broad foundation in chemistry that stresses scientific reasoning and analytical problem solving with a molecular perspective.
- To provide students with the skills required to succeed in graduate school, the chemical industry or professional school.
- To expose the students to a breadth of experimental techniques using modern instrumentation.

OBJECTIVES OF THE DEPARTMENT

- The student will understand the importance of the Periodic Table of the Elements, how it came to be, and its role in organizing chemical information.
- The student will understand the interdisciplinary nature of chemistry and to integrate knowledge of mathematics, physics and other disciplines to a wide variety of chemical problems.
- The student will learn the laboratory skills needed to design, safely conduct and interpret chemical research.
- The student will acquire a foundation of chemistry of sufficient breadth and depth to enable them to understand and critically interpret the primary chemical literature.

PROGRAMMES OFFERED

Scheme	Programme	Courses
CBCS (2018-19)	BSc (PCM) (CBZ)	Physics, Chemistry, Mathematics Chemistry, Botany, Zoology
NEP (2021-22)	BSc (PC) (CB)	Physics, Chemistry Chemistry, Botany

FACULTY PROFILE

Teaching Staff


Sl No	Name	Qualification	Designation	Experience	Specialisation
1	G. Siddaraju	MSc., M.Phil	Principal (till Jan 2024)	32 years	Industrial Chemistry
2	Sowmya M	MSc.,	Asst Professor & HOD	08 years	General Chemistry
3	Tanay Kumar M N	MSc., B.Ed	Asst Professor	06 years	General Chemistry
4	Rashmi R	MSc.,	Asst Professor	04 years	General Chemistry

Non Teaching Staff

Sl No	Name	Qualification	Designation	Experience
1	Nethravathi	PUC	Lab Assistant	06 years

OTHER DUTIES PERFORMED BY THE FACULTY

MEMBERS

Name	Duties	
	Convener	Member
 G Siddaraju Principal (till Jan 2024) HOD (Till July 2022) Experience : 32 Years Email Id : siddarajusiddu1964@gmail.com	<ul style="list-style-type: none"> ➤ Time table Committee ➤ NAAC Committee ➤ Induction Programme ➤ Placement and Guidance cell 	<ul style="list-style-type: none"> ➤ Governing Council Committee ➤ BOE(UG) Chemistry, University of Mysore, Mysuru ➤ School development Board, Kendriya vidyalaya, Chamarajanagar ➤ Kannada Sahitya parishath, Bangalore ➤ JSS Housing Society, Mysuru ➤ JSS Cooperative Society, Mysuru ➤ Sri Gurumalleshwara cooperative bank ,Mysuru ➤ Veerashaiva Naukarara Sanga, Chamarajanagar ➤ Participated in NSS camps ➤ Participated in Academic Enrichment programmes

Details of Refresher courses / Orientation Programs/ Seminar/ Conferences / Webinars / FDP/ Workshop attended:

Sl No	University / Organizing Institution	Program Type (Orientation Program, Refresher Course etc)	Date /Duration (From-To)
1.	St. Philomena's college Mysuru	UGC sponsored seminar	21 & 22 Aug 2009
2.	Indian institute of science Bangalore	Workshop	02 Mar 2010
3.	JSS College for women, Chamarajanagar	UGC sponsored seminar	31 Mar 2010


4.	St. Philomena's college Mysuru	UGC sponsored Two days National Level seminar	21 & 22 Mar 2011
5.	JSS College for women, Chamarajanagar	Workshop	03 Nov 2011
6.	Sri siddaganga college for women, Tumkur	UGC sponsored National level seminar	03 Aug 2013
7.	JSS College for women, Chamarajanagar	Seminar	22 Aug 2013
8.	Sri mahadeshwara Govt. First grade college, Kollegal	UGC sponsored seminar	28 Aug 2013
9.	JSS College for women, Chamarajanagar	Seminar	05 Mar 2014
10.	JSS College, Nanjangud	UGC sponsored Two days National Level seminar	07 & 08 Mar 2014
11.	JSS College for women, Chamarajanagar	Seminar	10 Feb 2015
12.	JSS College for women, Chamarajanagar	State level seminar	08 Mar 2015
13.	JSS College for women, Chamarajanagar	State level seminar	25 Mar 2015
14.	HRDC Mysuru	UGC sponsored National Symposium	29 Feb 2016
15.	JSSCACS, Mysore	UGC sponsored state level seminar	07 Mar 2017
16.	JSSCACS, Mysore	UGC sponsored National Level conferece	23 Mar 2017
17.	JSS College, Gundlupet	National level FDP webinar	22 & 23 June 2020
18.	JSS College for women, Chamarajanagar	National level Quiz competition	08 July 2020
19.	JSS College, Gundlupet	National level FDP webinar	10 July 2020
20.	Vidyavardhaka college of Engineering Mysuru	e-Quiz competition	11 July 2020
21.	Bharathi college bharathinagar Mandya Dist.	e-Quiz competition	15 July 2020
22.	JSS College for women, Saraswathipuram Mysuru	National level webinar	18 Aug 2020
23.	Sarada vilas college Mysuru	Webinar	31 Aug 2020
24.	JSS College for women, Chamarajanagar	Webinar	10 Sep 2020
25.	St. Philomena's college Mysuru	International Webinar	04 & 06 Nov 2020
26.	CIPET-CSTS Mysuru	Internship	11 & 12 Feb 2021
27.	Karnataka science and Technical academy and college education department	Science Exhibition	19 Feb 2021
28.	JSS College for women, Chamarajanagar	e-Quiz competition	09 & 10 Mar 2021
29.	Sarada vilas college Mysuru	webinar	22 May 2021
30.	K.I.E society's S. K Arts college Hubli	National awareness programme	25 May 2021
31.	Sarada vilas college Mysuru	webinar	11 June 2021
32.	K.I.E society's G.I Bagevadi college Nippani	International Webinar	11 June 2021 (02 PM)
33.	JSSCACS, Mysore	webinar	16 June 2021
34.	Collegiate education and Technical education department Govt. of Telangana	Workshop	21 & 22 June 2021

35.	JSS College for women, Chamarajanagar	webinar	20 July 2021
36.	JSS College for women, Chamarajanagar	e-Quiz competition	28 & 29 July 2021
37.	JSS College for women, Chamarajanagar	Workshop For First grade college Staff	07 Sep 2021
38.	JSS College for women, Chamarajanagar	Workshop For Parents and PU Passed Students and PU- College Staff	14 Sep 2021
39.	Vidyavardhaka college of Engineering mysuru	e-Quiz competition	16 to 19 Sep 2021

Details of Research Paper Publications in Journals/Conferences

Sl. No.	Name of the Author	Title of the paper	Name of the Journal	Month /Year	Vol. No & Pg. No.	ISBN / ISSN Number	Impact factor
1.	C Raril / J G manjunath /G Siddaraju / D K Ravishankar / Santhosh fattepur/ LNanjundaswamy/ E Niranjan	Surfactant immobilised electrochemical sensor for the detection of indigotine	Analytical and bio analytical electrochemistry	30 Nov - 2018	Volume -10 no-11	ISSN- 20084226	1.48
2.	G Tigari /J G manjunath /G Siddaraju/ D K Ravishankar	Enhanced electrochemical determination of Riboflavin in Biological and pharmaceutical samples at Poly(arginine) modified carbon paste electrode	Methods and objects of chemical analysis	21 Nov- 2019	Volume-14 No -4	ISSN- 19910290	0.35
3.	C Raril /JG manjunath / G Siddaraju/D K Ravishankar / Santhosh fattepur/ L Nanjundaswamy	Validated Electrochemical method for simultaneous resolution of tyrosine, uric acid and ascorbic acid at polymer modified Nanocomposite paste electrode	Surface engineering and applied electrochemistry	18 Nov- 2019	Volume-56 No-4	ISSN- 10683755	0.87
4.	T Girish / J G manjunath /G Siddaraju/ P A Pushpanjali/ N S	Poly (DL- Valine) Electro Polymerised carbon Nano tube paste sensor for determination	Journal of Electrochemical science and	12 Dec- 2020	Volume-11	ISSN- 18479286	1.15


Prinith /D K Ravishankar	of anti -istamine drug cetirizine	engineering				
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Name	Duties
 <p>Sowmya M Assistant Professor & HOD Experience : 08 years Email Id : sowmyamsow821@gmail. com</p>	<p>Member -</p> <ul style="list-style-type: none"> ➤ Cultural & Election Committee ➤ Electoral literacy club ➤ Alumni association ➤ Redressal cell ➤ Mentor (I BSc) ➤ Criteria-II ➤ Veerashaiva Employees welfare society, Chamarajanagar

Details of Refresher courses / Orientation Programs/ Seminar/ Conferences / Webinars / FDP/ Workshop attended:

Sl No	University / Organizing Institution	Program Type (Orientation Program, Refresher Course etc)	Date /Duration (From-To)
1.	Chamarajanagar	State level Seminar	9 th March 2016
2.	Chamarajanagar	Workshop	29 th September 2016
3.	Chamarajanagar	Science fair programme	23 rd February 2018
4.	JSS College of Arts, Commerce and Science, B N Road, Mysuru	Workshop	6 th March 2018
5.	Chamarajanagar	District level seminar	4 th September 2018
6.	JSS Science and Technology University, JSS Technical Institute Campus, Mysuru	Two day Extension Lecture Programme	27 th December 2018 & 28 th December 2018
7.	JSS College for women, Chamarajanagar	Seminar	4 th September 2018
8.	JSS Technical Institute Campus, Mysuru	Extension lecture programme	27-28 th Dec 2018
9.	St Joseph's First grade college, Mysuru	Webinar	20th to 23 rd June


			2020
10.	Sri Adichunchanagiri college of Arts and commerce, Nagamangala, Mandya	E –Seminar	7 th July2020
11.	M N Degree College Kammagondanahalli, Bangaluru	Webinar	11 th July 2020
12.	St Joseph’s college, Bengaluru	Webinar	11 th July 2020
13.	Gangasheel Mahavidyalaya, Faizullapur, Nawabganj, Bareilly, U.P.India	Webinar	17 th July 2020
14.	JSS College for women, Kollegal	Webinar	22 nd July 2020
15.	JSS College for women, Mysuru	Webinar	4 th August 2020
16.	JSS College for women, Mysuru	Webinar	10 th August 2020
17.	Saradavilas college, Mysuru	Webinar	31 st August 2020
18.	CIPET, Mysuru	Internship programme	11-12 th Feb 2021
19.	JSSCACS, Mysore	Webinar	16 th June 2021
20.	JSS College for women, Mysuru	Webinar	8 th July 2021
21.	Diksoochi and JSSCWC	Webinar	20 th July 2021

Name	Duties
 <p>Tanay Kumar M N Assistant Professor Experience : 6 years Email Id : tanaykumarmn@gmail.com</p>	<p>Member -</p> <ul style="list-style-type: none"> ➤ Placement Cell ➤ Mentor (III BSc) ➤ Criteria-IV

Details of Refresher courses / Orientation Programs/ Seminar/ Conferences / Webinars / FDP/ Workshop attended:

Sl No	University / Organizing Institution	Program Type (Orientation Program, Refresher Course etc)	Date /Duration (From-To)
1.	JSS Science and Technology University, Mysuru	One day International symposium	27 Dec 2017
2.	JSS college for women Chamarajanagar	Science fair Program	23 Feb 2018
3.	JSS College for women, Chamarajanagar	Seminar	04 Sep 2018
4.	JSS Science and Technology University, Mysuru	Two day extension lecture	27& 28 Dec 2018
5.	JSS Science and Technology University, Mysuru	Workshop	28 May 2019
6.	JSS CACS College, Mysuru	UGC sponsored program for enrichment of teachers under CPE scheme	25 Feb 2020
7.	JSS CACS College, Mysuru	UGC sponsored one –day state level seminar	07 Mar 2020
8.	CIPET-CSTS Mysuru	Internship	11 & 12 Feb 2021
9.	JSS College for women, Chamarajanagar	e-Quiz	09 & 10 Mar 2021
10	MIT first MIT first Grade college, Mysore	Workshop	15 Mar 2021
11	JSS CACS College, Mysore	Webinar	16 June 2021
12	St. Joseph first grade college Hunsur	Webinar	18 June 2021
13	JSS College Nanjangud	Webinar	28 June 2021
14	Nabira Mahavidyalaya , Katol	E- Conference	29&30 June 2021
15	JSS College for Women Saraswathipuram, Mysore	Webinar	30 June 2021 & 01 July 2021

16	Maharashtra College of Arts, Science and Commerce Mumbai	Webinar	07 July 2021
17	JSS College for women, Chamarajanagar	e-Quiz competition	28 & 29 July 2021

Name	Duties
 <p>Rashmi R Assistant Professor Experience : 3 years Email Id : rashmipatelshekar@gmail.com</p>	<p>Member -</p> <ul style="list-style-type: none"> ➤ Cultural & Election Committee ➤ Electoral literacy club ➤ Mentor (III BSc) ➤ Criteria-VI

Details of Refresher courses / Orientation Programs/ Seminar/ Conferences / Webinars / FDP/ Workshop attended:

Sl No	University / Organizing Institution	Program Type (Orientation Program, Refresher Course etc)	Date /Duration (From-To)
1.	JSSCACS, Mysuru	Induction Programme	6-7 th Nov 2019
2.	Sri Adichunchanagiri college of Arts and commerce, Nagamangala, Mandya	E –Seminar (national)	7 th July 2020
3.	JSS College for women, Chamarajanagar	E-Quiz	6 th to 8 th July 2020
4.	M N Degree College Kammagondanahalli, Bangaluru	Webinar	11 th July 2020
5.	JSS College for women, Mysuru	Webinar	23 rd July 2020
6.	JSSCACS, Mysore	Webinar	28 th July 2020
7.	JSS College for women, Mysuru	Webinar	10 th August 2020
8.	V.M.K bellihal commerce college, Hungund, India-587118	E-Quiz	30 August 2020

Details of the teaching staffs who has worked in our department in the last five years

SI No	Name	Qualification	Designation	Experience	Specialisation	Duration
1	Mamatha P	MSc., B.Ed	Asst sssProfessor	6 years	Industrial Chemistry	From 2014-2017 2018-2020
2	ShanmukhaRaju M R	MSc., B.Ed	Asst Professor	04 years	General Chemistry	From 2015-2019
3	Praveen Kumar H S	MSc.,	Asst Professor	02 years	General Chemistry	From 2017-2019
4	Kavitha D	MSc.,	Asst Professor	01 year	General Chemistry	From 2019-2020

Non Teaching Staff

SI No	Name	Qualification	Designation	Experience	Duration
1	Veerabhadraswamy	BA	Lab Assistant	years	From 2023

STUDENTS STRENGTH

YEAR	I BSC		II BSC		III BSC		TOTAL STRENGTH
	PCM CBZ	TOTAL	PCM CBZ	TOTAL	PCM CBZ	TOTAL	
2017-18	66	124	56	92	59	85	301
	58		36		26		
2018-19	77	109	63	116	56	88	313
	32		53		32		
2019-20	67	99	75	106	63	116	321
	32		31		53		
2020-21	67	98	61	90	73	102	290
	31		29		29		
2021-22	14	27	66	95	59	88	210
	13		29		29		

RESULT ANALYSIS

The department has maintained a good academic standard and the results in the Examinations have been invariably excellent.

Year of Examination	Semester	Total Appeared	Result Statement				
			Above 60	Above 50	Above 40	Fail	%
Nov/Dec-2017	I SS B.Sc	124	52	45	17	10	91.94%
	III SS B.Sc	92	59	16	07	10	89.13%
	V SS B.Sc	82	50	25	06	01	98.78%
Apr/May 2018	II SS B.Sc	122	62	30	18	12	90.16%
	IV SS B.Sc	90	40	29	11	10	88.89%
	VI SS B.Sc	83	48	25	07	03	96.39%
Nov/Dec-2018	I SS B.Sc	109	50	37	20	02	98.16%
	III SS B.Sc	116	55	32	12	17	85.34%
	V SS B.Sc	88	49	29	01	09	89.77%
Apr/May 2019	II SS B.Sc	107	57	31	14	05	95.32%
	IV SS B.Sc	116	74	30	08	04	96.55%
	VI SS B.Sc	87	40	32	03	12	86.20%
Nov/Dec-2019	I SS B.Sc	98	82	16	-	-	100%
	III SS B.Sc	106	98	04	-	04	96.22%
	V SS B.Sc	116	66	38	05	07	93.96%

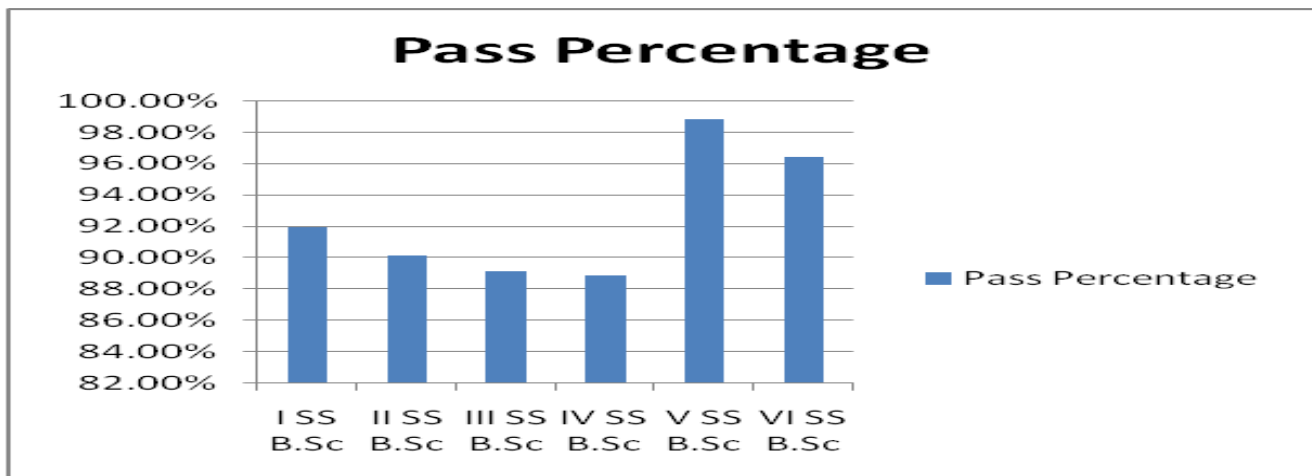
Sept/Oct - 2020	II SS B.Sc	98	-	-	-	-	Promoted
	IV SS B.Sc	106	-	-	-	-	Promoted
	VI SS B.Sc	112	67	30	10	05	95.36%
March - 2021	I SS B.Sc	97	83	13	-	01	98.96%
	III SS B.Sc	89	74	11	-	04	95.50%
	V SS B.Sc (DSE)	101	93	04	-	04	96.03%
	V SS B.Sc (SEC)	64	56	02	-	06	90.62%
Sept/Oct - 2021	II SS B.Sc	97	-	-	-	-	Promoted
	IV SS B.Sc	89	-	-	-	-	Promoted
	VI SS B.Sc	101	91	08	-	02	98.01%
	VI SS B.Sc (SEC)	64	58	-	-	06	90.02%
March/April - 2022	I SS B.Sc	27	14	-	-	13	51.85%
	III SS B.Sc	95	80	12		03	96.84%
	V SS B.Sc (DSE)	88	88	-	-	-	100%
	V SS B.Sc (SEC)	42	41	-	-	01	97.61%
Sept/Oct-	II SS B.Sc	27	16	-	-	11	69.56%

2022	IV SS B.Sc	93	82	09	-	02	97.84%
	VI SS B.Sc	88	54	22	06	06	93.18%
	VI SS B.Sc (SEC)	41	38		-	03	92.68%

2017-18

Sl. No.	Class	Appeared	Passed	Pass Percentage
1.	I SS B.Sc	124	114	91.94%
2.	II SS B.Sc	122	110	90.16%
3.	III SS B.Sc	92	82	89.13%
4.	IV SS B.Sc	90	80	88.89%
5.	V SS B.Sc	82	81	98.78%
6.	VI SS B.Sc	83	80	96.39%

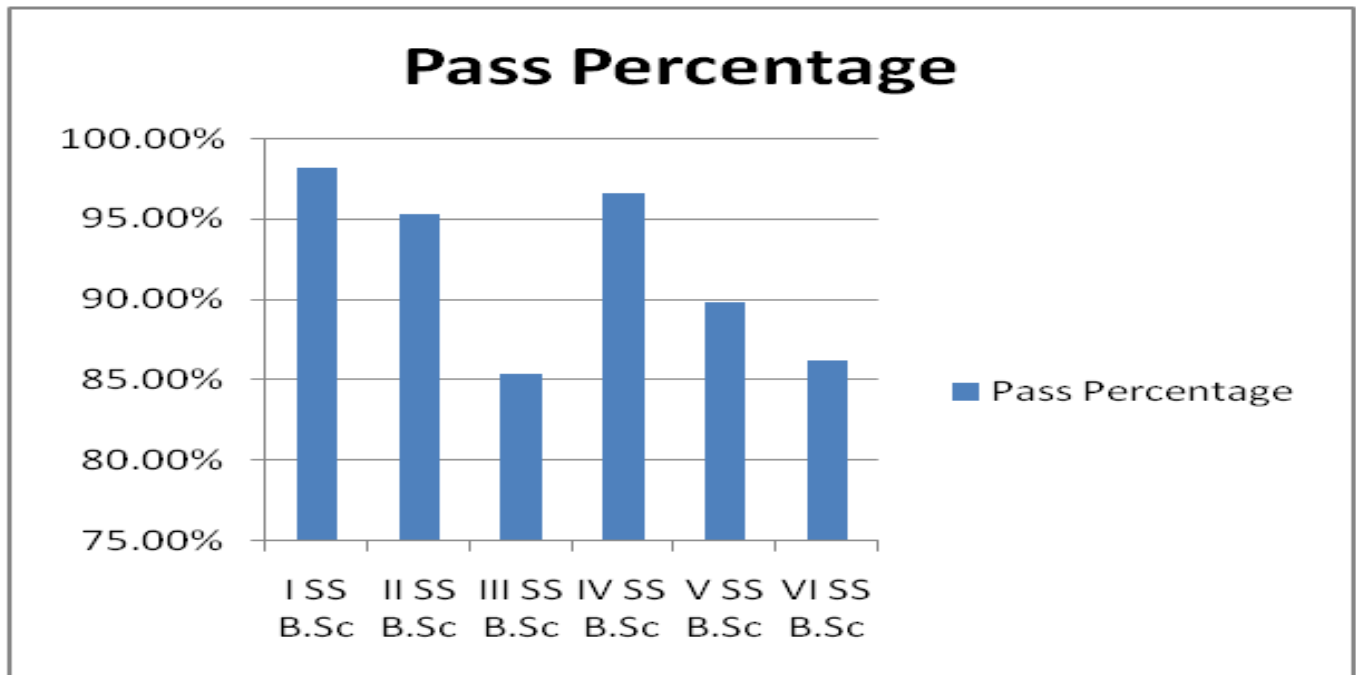
Graphical Representation



2018-19

Sl. No.	Class	Appeared	Passed	Pass Percentage
1.	I SS B.Sc	109	107	98.16%
2.	II SS B.Sc	107	102	95.32%
3.	III SS B.Sc	116	99	85.34%
4.	IV SS B.Sc	116	112	96.55%
5.	V SS B.Sc	88	79	89.77%
6.	VI SS B.Sc	87	75	86.20%

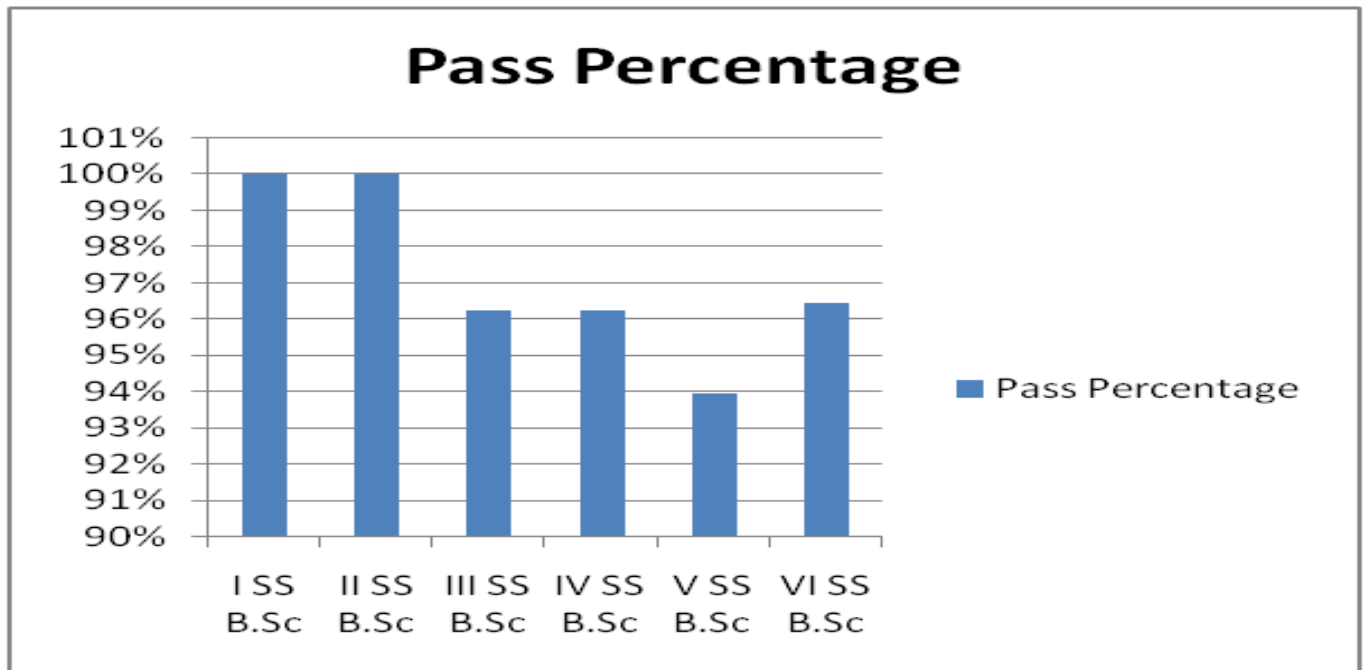
Graphical Representation



2019-20

Sl. No.	Class	Appeared	Passed	Pass Percentage
1.	I SS B.Sc	98	98	100%
2.	II SS B.Sc	-	-	Promoted
3.	III SS B.Sc	106	102	96.22%
4.	IV SS B.Sc	-	-	Promoted
5.	V SS B.Sc	116	109	93.96%
6.	VI SS B.Sc	112	108	96.42%

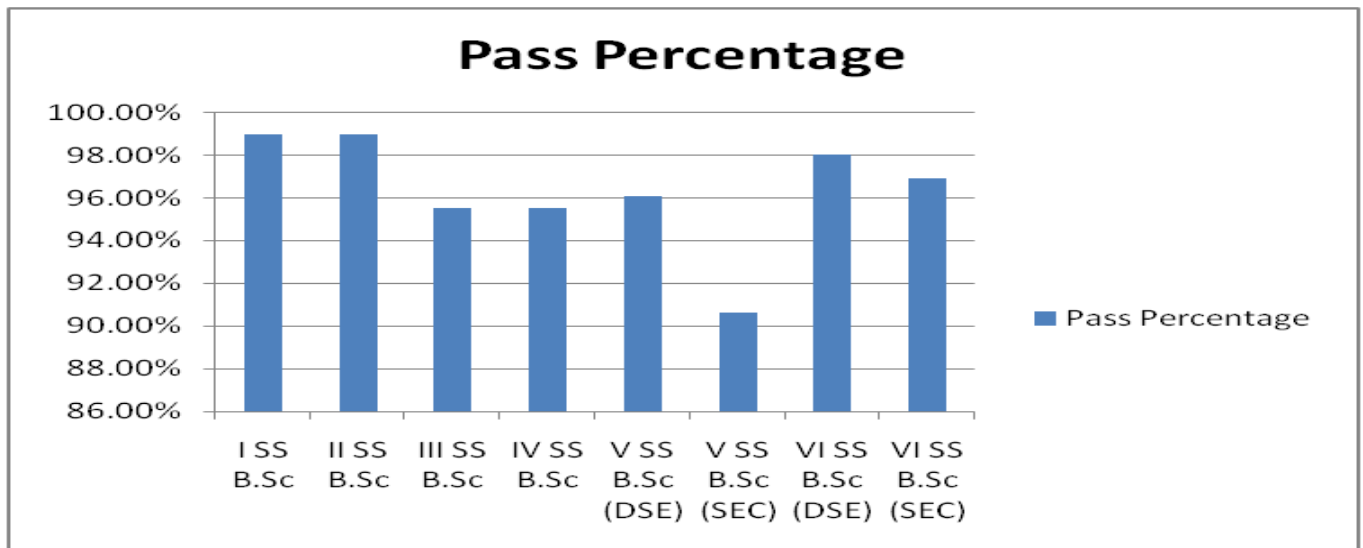
Graphical Representation



2020-21

Sl. No.	Class	Appeared	Passed	Pass Percentage
1.	I SS B.Sc	97	96	98.96%
2.	II SS B.Sc	-	-	Promoted
3.	III SS B.Sc	89	85	95.50%
4.	IV SS B.Sc	-	-	Promoted
5.	V SS B.Sc (DSE)	101	97	96.03%
	V SS B.Sc (SEC)	64	58	90.62%
6.	VI SS B.Sc (DSE)	101	99	98.01%
	VI SS B.Sc (SEC)	64	58	90.62%

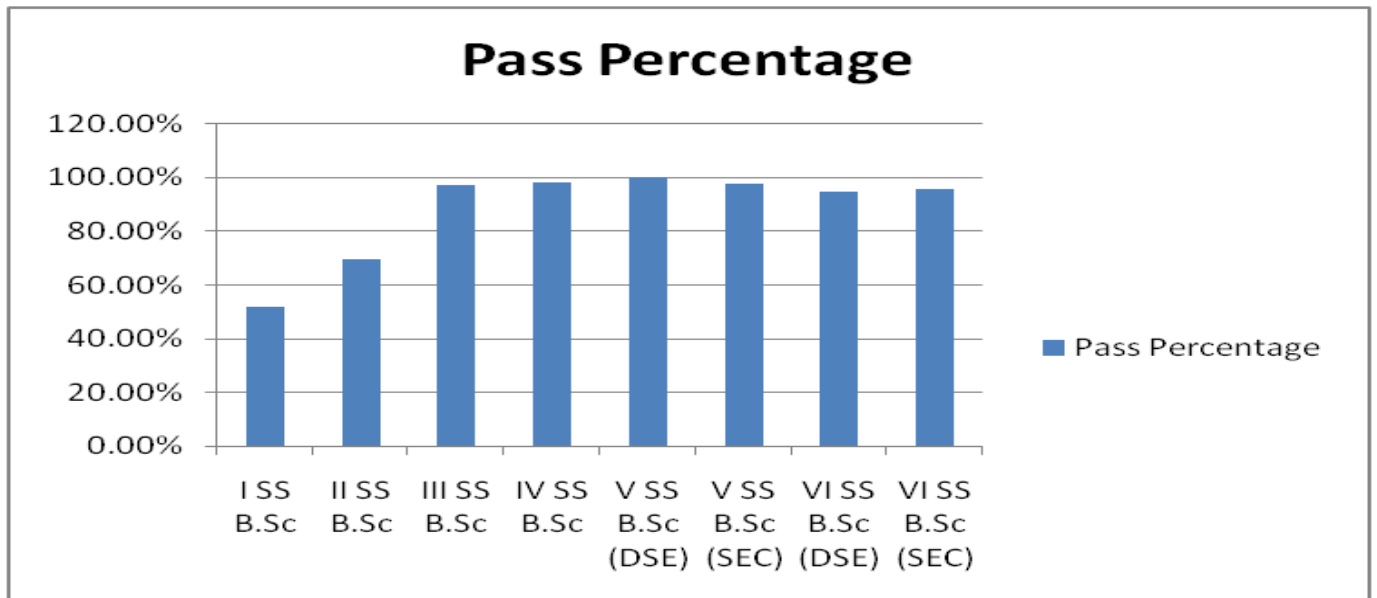
Graphical Representation



2021-22

Sl. No.	Class	Appeared	Passed	Pass Percentage
1.	I SS B.Sc	27	14	51.85%
2.	II SS B.Sc	23	16	69.56%
3.	III SS B.Sc	95	92	96.84%
4.	IV SS B.Sc	93	91	97.84%
5.	V SS B.Sc (DSE)	88	88	100%
	V SS B.Sc (SEC)	42	41	97.61%
6.	VI SS B.Sc (DSE)	88	82	93.18%
	VI SS B.Sc (SEC)	41	38	92.68%

Graphical Representation



STUDENT ACHIEVEMENT

STAR OF THE DEPARTMENT



Our student **Sunain Saba**, won 05 Gold Medals & 07 Cash Prizes in BSc and she is the university topper of the year (2021-22).

Gold Medal in Chemistry

Prof. B S Mahadevappa Endowment Gold Medal (For scoring the Highest Marks in Chemistry I, II & III Year **575/600**)

Cash Prize in Chemistry

1. Prof. H Sankegowda Cash Prize
2. Prof. D Chennegowda Cash Prize
3. Dr. K Suryanarayana memorial Cash Prize (For scoring the Highest Marks in Chemistry III Year)

Gold Medal in BSc

1. Sri Mummadi Krishna Raja Wadiyar Gold Medal (For scoring Highest Marks in B.Sc –2846/3000)
2. The H Ramanuja Iyengar Gold Medal
3. The Alamelammal H Ramanuja Iyenagar Gold Medal

Cash Prize

1. The Lady Mirza Prize
2. Prof J Shashidharprasad Felicitation Committee Cash Prize



STAR OF THE DEPARTMENT



Our student **NISARGA V**, won 03 Gold Medals & 02 Cash Prizes in BSc Chemistry (2022-23).

Gold Medal in Chemistry

1. Prof. B S Mahadevappa Endowment Gold Medal (For scoring the Highest Marks in Chemistry I, II & III Year **564/600**)
2. Prof Syed Ali Gold Medal
3. Shree Ramulu Yashodamma Gold medal

Cash Prize in Chemistry

1. Prof. H Sankegowda Cash Prize
2. Prof. D Chennegowda Cash Prize



YEAR WISE TOPPERS IN CHEMISTRY
FELICITATED BY THE DEPARTMENT



MOULYA V (2017-18)

887/1000



SUJATHA P (2018-19)

905/1000



SAPTHALA J (2019-20)

901/1000



SINDHU K M (2020-21)

535/600



SUNAIN SABA(2021-22)

575/600

INFRASTRUCTURE AND FACILITIES

The Department has **THREE** well equipped Laboratories :

1. Laboratory for Organic Chemistry (28' x 33'sq.ft.)
2. Laboratory for Inorganic Chemistry (28' x 33'sq.ft.)
3. Laboratory for Physical Chemistry (24' x 14.5'sq.ft.)

The Department has **TWO** store rooms for keeping chemicals, equipments and apparatus. There are separate balance room and preparation room attached to the Laboratory. The Department also has a spacious and well equipped staff room.

List of Major Equipments :

1. Colorimeter
2. Abbe's Refractometer
3. Refrigerator
4. Polarimeter
5. Electric Centrifuge
6. Physical Balance
7. Analytical Balance
8. Hot Air Oven
9. Electric Bunsen Burner
10. Distilled Water Plant
11. pH Meter

12. Potentiometer
13. Conductometer
14. Digital Balance
15. UPS (Alternative Power Supply System)

Funding :

Our College Management is quite generous in sanctioning grants for the purchase of chemicals, equipments and other materials required by the Department.

Major equipments for the Department are purchased by the grants sanctioned by the UGC.

TEACHING AND LEARNING METHODS

1. Molecular Models Building Kits
2. Long form of Periodic Table Charts
3. Orbital Structure Chart
4. Optical isomerism
5. Structure of Silicates
6. Manufacture of sugar
7. Manufacture of Cement

The Department is very well known for its cordial teachers-students relationship both in academic & extra-curricular activities matters. Teachers are available to the students in the Department on all working days from 8.55 a.m. to 5.05 p.m. Teachers show as far as possible individual attention to all students in respect of their academic matters and closely watch their performance and progress.

ACTIVITIES CONDUCTED FOR ADVANCED LEARNERS

- Class room Seminars
- Writing Assignments on previous year question papers
- Extra books are issued
- Preparation of their own notes
- Extra guidance to the students about higher studies

OBJECTIVES

- To create more interest in Chemistry
- To motivate the students for higher studies
- To remove the stage fear



Sunain Saba (III BSc)

Topic : Manufacture of Glass



Chamarajanagar, Karnataka, India
SH81, Siddhartha Nagar, Chamarajanagar, Karnataka 571313, India
Lat 11.927432°
Long 76.951113°
07/06/22 12:17 PM

Harshitha (II BSc)
Topic : Nucleic acid



Chamarajanagar, Karnataka, India
WXG2+W57, Siddhartha Nagar, Chamarajanagar, Karnataka 571313, India
Lat 11.927329°
Long 76.950967°
10/01/23 10:03 AM

Bhoomika (I BSc)
Topic : Classification of Organic compound

STUDENTS PROGRESSION

Year	M.Sc	B.Ed	Diplama in Plastic engineering
2017-18	02	08	-
2018-19	09	17	03
2019-20	12	12	-
2020-21	07	08	-
2021-22	21	13	-

BEST PRACTICES OF THE DEPARTMENT

- Motivation of the students towards the Green practices in laboratory.
- Industrial visit.
- Felicitation of Meritorious students.
- Personal counselling and guiding the students for higher studies.

GLIMPSES OF FELICITATION



Felicitating Ms. Sunain Saba for securing 05 gold medals and 07 cash prize awards on behalf of the Management, Principal and Staff at her home.



Felicitation by the department

DEPARTMENT ACTIVITIES

SPECIAL LECTURE PROGRAMME



On 16.08.2018 special lecture programme was organised on the topic **“Spectroscopy – principles and applications”** by **Dr D Channegowda**, Retd. Professor, Department of studies in Chemistry, Manasagangothri, Mysuru.



On the occasion of **“150th anniversary of the periodic table celebration”** **Prof. R.Gururaja.**, Retd. Prof.of Chemistry, Sarada vilas college , Mysuru delivered a lecture on the **“Construction and modification of periodic table”** on 31-08-2019.

INTERNSHIP TRAINING PROGRAMME

Two days Internship programme by Central institute of petrochemicals engineering and technology (CIPET), Mysuru on 11/02/2021 and 12/02/2021 (online mode) on “Opportunities of Plastics and its Technical concepts” for final B.Sc students



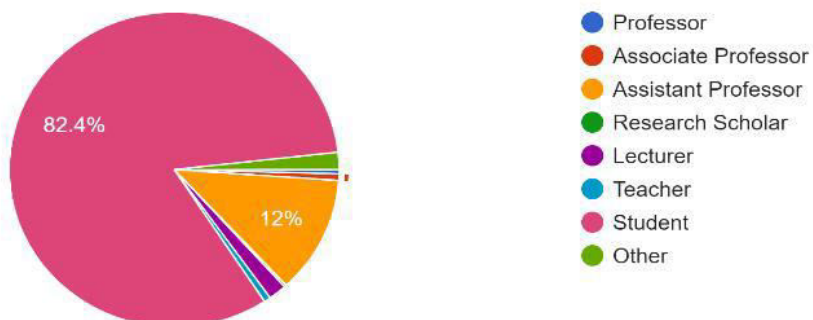
A NATIONAL LEVEL E-QUIZ COMPETITION

A National level E-quiz competition was organized by the Occasion of “World Nature Conservation Day” using Google quiz platform on 28th and 29th of July 2021.

Respondents and participants

Sl.No	Designations	No of participants	Percentage
01	Students	371	82.4
02	Lecturer	08	1.8
03	Assistant professor	54	12
04	Associate professor	03	0.7
05	Research scholar	01	0.2
06	Professors	02	0.4
07	Others	08	1.8
08	Teachers	03	0.7
Total		450	100

Designation
450 responses





JSS MAHAVIDYAPEETHA
JSS COLLEGE FOR WOMEN

Affiliated to the University of Mysore & Re-Accredited by NAAC with 'A' Grade (CGPA 3.02)

Chamarajanagar - 571 313

Ph: 08226222076 | E-mail: jsscwnagar@gmail.com | Website: www.jsscwn.com

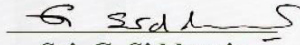


With the Divine Blessings of His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji

Certificate of Participation

This is to Certify that

*has participated in the National Level E-Quiz Conducted by The Department of Chemistry,
JSS College for Women Chamarajanagar On 28th and 29th July 2021 On the Occasion of
"World Nature Conservation Day"*


Sri. G. Siddaraju

Organizing Secretary and HOD


Sri. K. S. Mariswamy

Principal

INDUSTRIAL VISIT



WATER TREATMENT PLANT of Mangala near Chamarajanagar on 04/03/2022



Chamarajanagar milk union limited (CHAMUL), Kuderu on 04/03/2022



Clean solar power plant, Tumkur private limited, KUDERU on 04/03/2022

SPECIAL LECTURE PROGRAMME

On 26/12/2022 our department organized a special lecture programme on “**How to become an inventor**” on 26/12/2022 by Sri Kollegala Sharma, Chief scientist, CSIR-CFTRI, Mysuru.



CLASS ROOM SEMINARS



Aliya samreen (III BSc)

Topic : Expression for moment of inertia



Amulya R (III BSc)

Topic : SN1 mechanism

SWOC ANALYSIS OF THE DEPARTMENT

Strength :

- Experienced staff members
- Good well equipped laboratory facilities
- Maintaining good results

Weakness :

- Limited exposure to industry

Opportunities :

- Good scope for higher studies which are job oriented in research and development, teaching, quality department etc

Challenges

- Decline in the interest of the students towards basic science
- High dropout rate in BSc.

FUTURE PLANS

- To start PG programme
- To start certificate courses
- To Conduct more Industrial visit