

GOVERNMENT COLLEGE BHADRACHALAM

BHADRACHALAM, BHADRADRI KOTHAGUEM (DIST)-507111

TELANGANA STATE



DEPARTMENT OF CHEMISTRY

PROFILE



INDEX

S.No	Topic Name	Page No
1	History of the Chemistry Department	3
2	Vision & Mission	6
3	SWOC analysis	7
4	Teaching Faculty & Their profiles	8-22
5	Curricular Aspects (Criteria-I)	23-47
6	Teaching Learning & Evaluation (Criteria-II)	48-87
7	Research, Consultancy & Extension (Criteria-III)	88-100
8	Infrastructure & Learning Resources (Criteria-IV)	101-104
9	Student support & Progression (Criteria -V)	105-111
10	Governance Leadership and Management (Criteria-VI)	112-121
11	Institutional Values, Best Practices (Criteria-VII)	122-125
12	Significant Achievements	126
13	Action Plan	126

History of the Chemistry Department:

Our Bhadrachalam town, an abode of Lord Sri Rama, is situated 40km away from the district headquarters, viz., Bhadradri Kothagudem. It used to have educational facilities up to the +2 level until 1980. Recognizing the need to integrate the tribes of the agency area into society, where they are in large numbers and have very low living standards, the government of Andhra Pradesh permitted the establishment of a government degree college with two facilities, namely, B.A. and B.Com., in 1980. Owing to the persistent efforts of local elites, nongovernment organizations, and philanthropists, the government of Andhra Pradesh realized the need of introducing B.Sc. under the science stream and initially permitted two combinations of electives, viz. mathematics, physics, chemistry, and botany, zoology, chemistry, with the intake of strength of students 30&30 respectively in 1989. Consequent of this decision, the department of chemistry was established in a temporary facility provided by the Govt. junior college, Bhadrachalam, and continued until 1995. The Government of Andhra Pradesh sanctioned Rs 14.00 lakhs for the construction of the building on the new campus, and the department started its functioning, in its own single laboratory in 1995.

The enrolment of students increased year after year, and it has become necessary to strengthen the laboratory facilities. The college administration approached the district collector, Khammam, and was able to convince the authorities with regard to the growing demand for education. With the result, the college received Rs 35 lakhs from the funds of the district collector and constructed buildings. The department of chemistry has four well equipped laboratories (2006) provided with uninterrupted power, catering to the educational needs of 844 students studying chemistry, which is about 20 percent of the total number of students. enriching our laboratory by providing lab equipment worth Rs 1 lakh in 1997 Originally, there were only three faculty members in the department until 2001. Having in view the enormous strength of students, the government of Andhra Pradesh is pleased to sanction two more teaching posts in 2002. The department is still understaffed in comparison to the work load of the faculties. The department of tribal welfare has been permitted to appoint two more guest faculties (non sanctioned posts), keeping in mind the fact that the majority of students belong to the exclusively ST community. The department of tribal welfare makes every effort to pay honoraria at the rate of Rs 7,500 per month from its own funds. The department is very grateful to ITDA Bhadrachalam for providing the department with a faculty retiring room and all its facilities. As a result, the department has grown from humble beginnings to become one of the largest departments in institutions.

The department has grown phenomenally with time and academic development. The department of chemistry has four well-equipped laboratories provided with uninterrupted power, catering to the additional needs of about 350 students studying chemistry subjects, which is about 30% of the total strength of the institution. The department has been offering an M.Sc. in organic chemistry with a strength of 30 since 2011.

The members of the faculty are specialized in various fields such as organic synthesis, inorganic chemistry, analytical chemistry, and physical chemistry.

Highlights of the department

- The department has five Lecturers.
- One of Lecturer have Ph.D., Three Lecturers are pursuing Ph.D., and all of them have rich teaching experience.
- In addition to the regular teaching aids, ICT (Google classroom, You Tube channels and Google site) tools are used regularly in teaching learning process.
- Department has four well equipped laboratories to conduct practical.
- Department has a departmental library with reference books, question banks, study materials, previous question papers etc., which are kept for student "usage.
- Department organizing field trips relevant to the subject.
- Study projects, certificate courses, assignments are given to the students.
- Student seminars, PPT preparation, quizzes and group discussion.

Vision:

- To impart theoretical and Practical knowledge to the students and to inculcate scientific temper among the students.
- To enhance employability skills to the students to get good positions in Academic Field, Industry, Private and Public Sectors.

Mission:

- Encourage students towards research, allotting them project works based on local and regional needs.
- Conduct Field Trips to impart practical industrial knowledge.
- To enhance employability skills to the students to get good positions in Academic Field, Industry, Private and Public Sectors.

SWOC

Strengths:

- Dedicated, well experienced and qualified teaching Faculty
- We are conducting P.G. coaching classes
- Organizing Career Guidance & Counseling Programmes

Weakness:

- Entry level knowledge of students in chemistry is very low.
- Non availability of research labs.
- Lab space is inadequate as compared to the strength.

Opportunities:

- Students are Encouraged towards Higher Education & Research, Teaching,

Government Jobs &Pharmaceutical Industries.

Challenges:

- Early Marriages of Girls Students

FACULTY PROFILE

S.No	Name	Qualification	Specialization	Experience
1	D.BHADRAIAH	M.Sc., (PhD)	Organic Chemistry	34
2	D.VEERANNA	M.Sc.,	General Chemistry	12
3	Dr. V. RAGHA SUMA	M.Sc., M.Phil., Ph.D	Chemistry	19
4	N. HIMAJA	M.Sc., SET	Organic Chemistry	13
5	B. SUDHAKAR RAO	M.Sc.,	Organic Chemistry	14

FACULTY PROFILE

NAME : D. BHADRACHALAM
 FATHERS NAME : PENTACHALAM
 DATE OF BIRTH : 14/05/1965
 ADDRESS: H.No.: 3-1-166 SAMITHI
 SINGARAMMANUGURU
 DESIGNATION : LECTURER IN CHEMISTRY CHEMISTRY
 QUALIFICATION : M.Sc, (PhD).
 DATE OF FIRST JOINING : 28-08-2006
 TEACHING EXPERIENCE : 34 YEARS FOR UG LEVEL
 FIRST JOINING COLLEGE : SR GOVT.A&S COLLEGE, KOTHAGUDEM
 PRESENT WORKING COLLEGE : GDC BHADRACHALAM
 RELIGION : HINDU
 NATIONALITY : INDIAN
 LANGUAGE KNOWN : TELUGU & ENGLISH
 EMAIL : bhadrachalam14@gmail.com
 MOBILE : 9440556598

ACADEMIC QUALIFICATIONS

DEGREE	YEAR OF PASSING	UNIVERSITY	PERCENTAGE OF MARKS	REMARKS
M.Sc. (Chemistry)	1987	OSMANIA UNIVERSITY, HYD	61	First Division
B.Sc. (MPC)	1985	OSMANIA UNIVERSITY, HYD	66	First Division

ATTENDED FACULTY DEVELOPMENT PROGRAM

1. Attended and successfully completed NCC pre commission course from 22 nov 2004 to 19 feb 2005
2. Participated in the refresher course form July 18, 2008 to aug 7, 2008
3. Participated in the republic day parade 2008 conducted by the government of Andhra Pradesh under the argis of this college
4. Attended the 6-day orientation programme for the teachers of U.G colleges from 21-11-2011 to 26-11-2011
5. Attended and has successfully completed the NIC, Thodipuzha conducted by 18 Kerala Bn NCC Muvattupuzha from 19 dec 2009 to 30 dec 2009
6. Participated in the “workshop on physics practical’s at under graduate level held on 26 th and 27 th of February 2013
7. Received letter of appreciation
8. Received appreciation certificate ⁴ from kothagudem club Balothsav from 07-11-2014 to 09-11-2014
9. Attended the all india bihar (gaya) held at gaya region from 3 dec 2014 to 10 dec 2014
10. Participated a paper entitled “emerging trends and challenges in chemical research “in association with Indian institute of chemical technology Hyderabad, & royal society of chemistry London on 18 th & 19 th dec 2015
11. Participated in national integration camp at nagrota from 15th oct 2016 to 26 oct 2016
12. Participated in balothsav from 10-11-2016 to 13-11-2016
13. Received best ANO Award certificate of 26 th NCC day celebrations, Warangal group from 2016 to 2017
14. Participated in the national seminar on “the role of chemistry in human health and environment held on 27 th and 28 th January 2017
15. Participated in national integration camp-I of NCC directorate gujarath at Rajkot from 24 aug 2017 to 04 sep 2017
16. Participated as a member exhibit the titled JUDGE on the focal theme “Innovation for sustainable development organized on 28 th to 30 th nov 2017
17. Acted as supervisor for the student study project entitled “minerals available in fruits “on 30 th dec 2017
18. Received certification of appreciation for creating awareness to the LIC agents and customers on 7 th sep 2019

19. Successfully completed the training programme orientation programme for public servants in the context of Telangana from 20-01-2019 to 23-01-2019
20. Received the certificate of appreciation on 5th sep 2019 on teachers' day
21. Participated and presenting a paper titled "enhancement of hardness of low alloy steel" on 18th and 19th dec 2020
22. Participated and presenting a paper titled "effects of plasma nitriding on tool steel" on 18th and 19th dec 2020
23. Presented a paper entitled "effects of plasma nitriding on tool steel" on 8th and 9th mar 2021
24. Participated in international E-conference on molecules to materials for sustainability in XXI century held on 8th and 9th mar 2021
25. Successfully completed the training programme orientation on SDG-4 quality education for principals of govt degree college of CCE from 07-04-2021 to 09-04-2021
26. Participated in the two-week online workshop on "thin film and nanomaterials (IWTN-2021) from GITAM institute Vishakhapatnam from 09-08-2021 to 20-08-2021
27. Participated in the one-day workshop on quality enhancement practices in government degree colleges in telangana state on 20th sep 2021
28. Participated in the five-day faculty development program from 20-24 dec 2021 on rural academic leadership conducted by mahatma Gandhi national council of rural education (MGNCRE)
29. Participated in emerging trends in chemical and material science research (ETCMSR-2022) held on 25th and 26th feb 2022 organized by department of chemistry
30. Received "BEST TEACHER" award from acharya educational trust Bhadrachalam.

FACULTY PROFILE

NAME: : D. VEERANNA
 FATHERS NAME : D. HARI
 DATE OF BIRTH : 15-04-1986
 ADDRESS : SHANTHI NAGAR COLONY,
 BHADRACHALAM
 DESIGNATION : ASSIST.PROF. OF CHEMISTRY
 QUALIFICATION : M.Sc., NET, (PhD).
 DATE OF FIRST JOINING : 26-12-2011
 TEACHING EXPERIENCE : 11 YEARS FOR UG AND PG LEVEL
 FIRST JOINING COLLEGE : SR & BGNR GOVET. ARTS AND SCIENCE
 COLLEGE, KHAMMAM
 PRESENT WORKING COLLEGE : GOVERNMENT DEGREE COLLEGE
 BHADRACHALAM
 RELIGION : HINDU
 NATIONALITY : INDIAN
 LANGUAGE KNOWN : TELUGU & ENGLISH
 EMAIL : dsveeranna@gmail.com
 MOBILE : 9492115216

ACADEMIC QUALIFICATIONS

DEGREE	YEAR OF PASSING	UNIVERSITY	PERCENTAGE OF MARKS	REMARKS
M.Sc. (Chemistry)	2007	UNIVERSITY OFHYDERABAD	62%	First Division
B.Sc. (MPC)	2004	UNIVERSITY ARTS AND SCIENCE COLLEGE HANMKONDA	65%	First Division

ATTENDED FACULTY DEVELOPMENT PROGRAM

1. Participated in a Refresher Course from 02.07.2013 to 23.09.2013 organized by Osmania University Hyderabad.
2. Participated in a 35th Orientation Programme from 04.01.2018 to 31.01.2018 organized by MANUU, Hyderabad
3. Participated in Online “Short Term Course on Science and Technology of Yoga and Meditation” organized by UGC- HRDC Hyderabad from 09.08.2021 to 14.08.2021
4. Participated in Online “Short Term Course on Sustainable Development Goals” organized by UGC- HRDC Hyderabad from 13.12.2021 to 18.12.2021
5. Participated in Online Refresher Course from 20.01.2022 to 03.02.2022 organized by Osmania University Hyderabad

FACULTY PROFILE

NAME : Dr. V. RAGHA SUMA
 FATHERS NAME : V. VENKATESWARA RAO
 DATE OF BIRTH : 17-11-1978
 ADDRESS: H.No : 9-1-94/1A, MEDICAL COLONY,
 BHADRACHALAM 507111
 DESIGNATION : LECTURER IN CHEMISTRY
 QUALIFICATION : M.Sc., MPhil, Ph.D.
 DATE OF FIRST JOINING : 24-09-2003
 TEACHING EXPERIENCE : 19 YEARS FOR UG LEVEL
 FIRST JOINING COLLEGE : GDC BHADRACHALAM, BHADRADRI
 KOTHAGODEM
 PRESENT WORKING COLLEGE : GDC BHADRACHALAM, BHADRADRI
 KOTHAGODEM
 RELIGION : HINDU
 NATIONALITY : INDIAN
 LANGUAGES KNOWN : TELUGU & ENGLISH
 EMAIL : sumasrinivasarao@gmail.com
 MOBILE : 9989209575

ACADEMIC QUALIFICATIONS

DEGREE	YER OF PASSING	UNIVERSITY	PERCENTAE OF MARKS	REMARKS
M.Sc. (Chemistry)	2001	OSMANIA UNIVERSITY	71%	First Division with Distinction
B.Sc. (BZC)	1999	KAKATIYA UNIVERSITY, WARANGAL	80%	First Division with Distinction

ATTENDED FACULTY DEVELOPMENT PROGRAMMES

1. Participated in Two-Day National level online Faculty Development Program on “EMBEDDED IOT TECHNOLOGY” from 12 -06-2020 to 13-06-2020 by St.Joseph’s Degree College,Kurnool,A.P.
2. Participated in Three days Faculty Development Program “Image Processing Segmentation and Neural Network,Health Awareness,Design Thinking” for Innovation from 13-06-2020 to 15-06-2020 by Matoshri Pratishtan Group of Institutions.
3. Participated in One Week National level online Faculty Development Programme on “Transforming Education with Industry 4.0” from 15-06-2020 to 20-06-2020 by Jaypee University of Information Technology, Himachal Pradesh.
4. Participated in a Two- Week National level online “Faculty Development Program on “Skill Development and Competency Enhancement for College Teachers” from 17.06.2020 to 30.06.2020 organized by Government Degree College, Parkal.
5. Participated in a One Week National level online Faculty Development Programme on “Digital Teaching Tools” from 29.06.2020 to 05.07.2020 organized by Government City College, Hyderabad.
6. Participated in a One Week National level online Faculty Development Programme on “Cyber Security” from 19-06-2020 to 24-06-2020 by Shreyas Institute of Engineering and Technology,Hyderabad
7. Participated in a One Week National level online Faculty Development Programme on “Tools for Online Teaching Learning and Evaluation” from 01-07-202 to 06-06-2020 by School of Mathematical Science Swamy Ramanand Teerth Marathwada,University,Nanded
8. Participated in a One Week National level online Faculty Development Programe on “Sustainability of Institutions of Higher Learning in the context of COVID-19: Challenges &Perspectives” from 06-07-2020 to 11-07-2020 by Government Degree College, Narasampet.
9. Participated in a One Week National level online Faculty Development Programe on “PYTHON3.4.3” from 16-07-2020 to 22-07-2020 by SPOKEN TUTORIALS PROJECT IIT, BOMBAY Organised by BJR Government Degree College, Hyderabad.
10. Participated in a fifteen Days National level online Faculty Development Programe on “Hurdles and Solutions in Research in Avenues”from 13-07-2020 to 26-07-2020 by TARA Govt.Degree College, Sangareddy, Telangana.
11. Participated in a One Week National level online Faculty Development Programe on “ICT & Online

12. Teaching Tools” in Higher Education Institutions.from 26-07-2020 to31-07-2020 by Pingle Govt.Degree College,Women,Warangal.

13. Participated in a Five-Day National level online Faculty Development Programe on “RESEARCH METHODOLOGY” From 27-07-2020 TO 31-07-2020 by Malla Reddy Engineering College for Women, Secunderabad.

14. Participated in a One Week National level online Faculty Development Programe on “The Role of a Teacher in Nation Building” from 03-08-2020 to 09-08-2020 by Keshav Memorial Institute of Commerce and Science,Hyderabad .

15. Participated in a Four Day National level online Faculty Development Programe on “Performing Experiments on Virtual Labs from 10-08-2020 to 14-08-2020 by BABA FARID College of Engineering and Technology,Pune.

FACULTY PROFILE

NAME : N. HIMAJA

FATHERS NAME : PITCHAIAH

DATE OF BIRTH : 08-04-1985

ADDRESS : H.No.: 6-9-152,
RAGHAVENDRA
COLONY, HYD. ROAD, NALGONDA

DESIGNATION : LECTURER IN CHEMISTRY

QUALIFICATION : M.Sc, SET

DATE OF FIRST JOINING : 09-11-2009

TEACHING EXPERIENCE : 13 YEARS FOR UG LEVEL

FIRST JOINING COLLEGE : GDC(W)SIDDIPET

PRESENTWORKING COLLEGE : GDC BHADRACHALAM

RELIGION : HINDU

NATIONALITY : INDIAN

LANGUAGE KNOWN : TELUGU & ENGLISH

EMAIL : nimmalavijaya32@gmail.com

MOBILE : 9177540368

ACADEMIC QUALIFICATIONS

DEGREE	YEAR OF PASSING	UNIVERSITY	PERCENTAGE OF MARKS	REMARKS
M.Sc. (Chemistry)	2007	KAKATHIYA UNIVERSITY	68%	First Division
B.Sc. (BZC)	2005	OSMANIA UNIVERSITY,	63%	First Division

ATTENDED FACULTY DEVELOPMENT PROGRAM

1. Participated in the One Week Faculty Development workshop on “TEACHING AND LEARNING CHEMICAL SPECTROSCOPY THROUGH HANDS ON EXPERIENCE” organized by NIT, Warangal.
2. Participated in Webinar on the topic NMR SPECTROSCOPY, Organized by andra mahila sabha at OU, HYD.
3. Participated in a One Week workshop on “A RE-ORIENTATION TO THE RESTRUCTURED CBCS CURRICULUM” organized by department of chemistry at OU, HYD.
4. Participated in One Week National Level Faculty Development Programme on “Capacity Building & Skill Enhancement for Higher Education Teachers” from 20.07.2020 to 25.07.2020 organized by Indira Priyadarshini Govt. Degree College for Women, Nampally, Hyderabad.
5. One day National seminar on” THE ROLE OF SCIENCE AND TECHNOLOGY IN CONFRONTING ENVIRONMENTAL ISSUES” organized by NTR Govt.degree college,Mahabubnagar

FACULTY PROFILE

NAME : V. VANI
 FATHERS NAME : V. MEGHASHYAM
 DATEOFBIRTH : 20-06-1989
 ADDRESS : H. No: 1-6-284, A -COLONY
 RAMAGUNDAM, PEDDAPALLY (dist)
 DESIGNATION : LECTURER IN CHEMISTRY
 QUALIFICATION : M.Sc., SET
 DATE OF FIRST JOINING : 03-12-2012
 TEACHING EXPERIENCE : 10YEARS FOR UG LEVEL
 FIRST JOINING COLLEGE : SR&BGNR GDC, KHAMMAM
 PRESENT WORKING COLLEGE : GDC BHADRACHALAM, BHADRADRI
 KOTHAGODEM
 RELIGION : HINDU
 NATIONALITY : INDIAN
 LANGUAGES KNOWN : TELUGU & ENGLISH
 EMAIL : vanidevasani111@gmail.com
 MOBILE : 8328383285

ACADEMIC QUALIFICATIONS

DEGREE	YEAR OF PASSING	UNIVERSITY	PERCENTAGE OF MARKS	REMARKS
M.Sc. (Chemistry)	2011	OSMANIA UNIVERSITY, HYD	84	First Divisionwith Distinction
B.Sc. (MPC)	2009	KAKATIYA UNIVERSITY	91	First Division with Distinction

ATTENDED FACULTY DEVELOPMENT PROGRAM

1. Participated in a One Week National level online Faculty Development Program on “Cyber Security” from 19-06-2020 to 24-06-2020 by Shreyas Institute of Engineering and Technology, Hyderabad.
2. Participated in a One Week National level online Faculty Development Program on “Sustainability of Institutions of Higher Learning in the context of COVID-19: Challenges & Perspectives” from 06-07-2020 to 11-07-2020 by Government Degree College, Narasampet.
3. Participated in a one week online short-term course on Developments in Advanced Drug Delivery systems and Drug Discovery to treat Life threatening from 22-06-2020 to 27-06-2020 by UGC HRDC, Hyderabad.
4. Participated in a Two- Week National level online “Faculty Development Program on “Skill Development and Competency Enhancement for College Teachers”” from 17.06.2020 to 30.06.2020 organized by Government Degree College, Parkal.
5. Participated in a One Week National level online Faculty Development Program on “Digital Teaching Tools” from 29.06.2020 to 05.07.2020 organized by Government City College, Hyderabad.
6. Participated in one day workshop on Pharmaceutical as Generic Elective course on 29-02-2020 organized by government degree college, Kukatpally, medchal.

FACULTY PROFILE

NAME : B.SUDHAKAR RAO
 FATHERS NAME : B.PULLAIAH
 DATEOFBIRTH : 13-06-1985
 ADDRESS : H. No: 3-34/A, KALAKOTA
 BONAKALLU MANDALAM , KHAMMAM DIST)

DESIGNATION : LECTURER IN CHEMISTRY
 QUALIFICATION : M.Sc., B.Ed. , M.Li.Sc
 DATE OF FIRST JOINING : 02-01-2009
 TEACHING EXPERIENCE : 14YEARS FOR UG LEVEL
 FIRST JOINING COLLEGE : GDC, NELAKONDAPALLI
 PRESENT WORKING COLLEGE : GDC BHADRACHALAM, BHADRADRI
 KOTHAGODEM

RELIGION : HINDU
 NATIONALITY : INDIAN
 LANGUAGES KNOWN : TELUGU & ENGLISH
 EMAIL : sudhakar8513@gmail.com
 MOBILE : 9640271748

ACADEMIC QUALIFICATIONS

DEGREE	YEAR OF PASSING	UNIVERSITY	PERCENTAGE OF MARKS	REMARKS
M.Sc. (Chemistry)	2009	SR&BGNR COLEGE ,KHAMMAM	61	First Divisionwith Distinction
B.Sc. (MPC)	2005	KAKATIYA UNIVERSITY	73	First Division with Distinction

ATTENDED FACULTY DEVELOPMENT PROGRAM

1. Participated in a One Week National level online Faculty Development Program on “Cyber Security” from 19-06-2020 to 24-06-2020 by Shreyas Institute of Engineering and Technology, Hyderabad.

2. Participated in a One Week National level online Faculty Development Program on “Sustainability of Institutions of Higher Learning in the context of COVID-19: Challenges & Perspectives” from 06-07-2020 to 11-07-2020 by Government Degree College, Narasampet.

3. Participated in a one week online short-term course on Developments in Advanced Drug Delivery systems and Drug Discovery to treat Life threatening from 22-06-2020 to 27-06-2020 by UGC HRDC, Hyderabad.

4. Participated in a Two- Week National level online “Faculty Development Program on “Skill Development and Competency Enhancement for College Teachers”” from 17.06.2020 to 30.06.2020 organized by Government Degree College, Parkal.

5. Participated in a One Week National level online Faculty Development Program on “Digital Teaching Tools” from 29.06.2020 to 05.07.2020 organized by Government City College, Hyderabad.

6. Participated in one day workshop on Pharmaceutical as Generic Elective course on 29-02-2020 organized by government degree college, Kukatpally, medchal.

Criteria I: CURRICULAR ASPECTS

We follow the syllabus framed by the Kakatiya University, Warangal. From the academic year 2016-17 Choice Based Credit System (CBCS) has been introduced in the curriculum by university. As per the almanac of the university every semester has 15 weeks of instruction period and 60 to 90 instruction hours per semester including 30 hours of practical classes. A revised CBCS syllabus has been implemented from 2019-20 academic year and we follow the same.

At the beginning of even and odd semester departmental semester plan prepared by the department and individual semester plans are prepared by the faculty members. Apart from the regular Curriculum department of chemistry organized awareness programmes on the importance of Chemistry. Department of chemistry prepared sanitizer by students and distributed sanitizer to each department in the college. Department of chemistry involved in NCC, NSS & Eco club & AEC, WEC/ICC.

PROGRAMMES

Group	Medium
MPC	EM
MPC	TM
MCCS	EM
BZC	EM
BZC	TM
SBC	TM
SBC	EM

Curricular Planning and Implementation**Curriculum 2019-20****Paper-I****Unit-I: (Inorganic Chemistry):**

1.Chemical Bonding, 2.P-BlockElements

Unit-II (Organic Chemistry)

1.Structural Theory in Organic Chemistry, 2. Acyclic Hydrocarbons

Unit-III (Physical Chemistry)

1.Atomic structure and elementary quantum mechanics, 2. Gaseous State, 3. Liquid State and Solutions

Unit-IV (General Chemistry)

1.General Principles of Inorganic Qualitative Analysis, 2. Isomerism, 3. Solid State Chemistry

Paper-II:**Unit-I (Inorganic Chemistry)**

1.P-Block Elements, 2. Chemistry of Zero group elements, 3. Chemistry of d-block elements

Unit-II (Organic Chemistry)

1.Halogen Compounds, 2. Hydroxy Compounds and ethers,3. Carbonyl Compounds

Unit-III (Physical Chemistry)

1.Electrochemistry

Unit-IV (General Chemistry)

1.Theory of Quantitative Analysis, 2. Stereoisomerism, 3. Dilute Solution & Colligative Properties

Paper-III**Unit-1 (Inorganic Chemistry)**

1.Chemistry of f-block elements, 2. Co-ordination Compounds-I, 3. Metal carbonyls and Organometallic Chemistry

Unit-II (Organic Chemistry)

1.Carboxylic acids and derivatives, 2. Nitro hydrocarbons, 3. Amines, Cyanides and Isocyanides

Unit-III (Physical Chemistry)

1.Thermodynamics-I, 2. Thermodynamics-II

Unit-IV (General Chemistry)

1.Evaluation of analytical data, 2. Carbanions, 3. Phase Rule

Paper-IV

Unit-I (Inorganic Chemistry):

1.Co-ordination Compounds-II, 2. Bio inorganic Chemistry

Unit-II (Organic Chemistry)

1.Carbohydrates, 2. Amino acids and proteins, 3. Heterocyclic Compounds

Unit-III (Physical Chemistry)

1. Chemical Kinetics, 2. Photochemistry

Unit-III (General Chemistry)

1.Theories of bonding in metals, 2. Carbanions, 3. Colloids & Surface Chemistry

Paper-V

Unit-I Molecular spectroscopy

1. Rotational spectroscopy, 2. Infra-red spectroscopy, 3. Electronic spectroscopy

Unit-II NMR and Mass Spectrometry

Proton Magnetic Resonance Spectroscopy, 2. Mass Spectrometry

Unit-III Separation techniques-I

Solvent Extraction, 2. Separation techniques-II, 3. Column Chromatography

Paper-VI

Unit-I

Drugs introduction and Terminology

Unit-II

Enzymes and Receptors

Unit-III

Synthesis and Therapeutic Activity of Drugs

Unit-IV

Molecular Messengers, Vitamins and Micronutrients

**ACADEMIC FLEXIBILITY
PAPERS & CREDITS**

S. No	PAPER	Title of the Paper	Theory Credits	Practical al Credits	Total l Credits
1	I	Inorganic, Organic, Physical, General Chemistry	4	1	5
2	II	Inorganic, Organic, Physical, General Chemistry	4	1	5
3	III	Inorganic, Organic, Physical, General Chemistry	4	1	5
4	IV	Inorganic, Organic, Physical, General Chemistry	4	1	5
5	V	Molecular Spectroscopy, Separation Techniques	4	1	5
6	VI	Introduction and Terminology, Molecular messengers, Vitamins and Micronutrients	4	1	5

FACULTY WISE WORK LOAD:

S. No	Name of The Faculty	Theory (Hours)	Practical (Hours)	TOTAL
1	D.BHADRAIAH	8	15	23
2	D.VEEERANNA	12	12	24
3	Dr. V. RAGHA SUMA	12	12	24
4	VANI	12	12	24
5	HIMAJA	12	12	24
			Grand Total	115

TIME TABLE

GOVERNMENT DEGREE COLLEGE, BHADRACHALAM									
TIME TABLE FOR THE ACADEMIC YEAR 2021-22 (B.Sc PHYSICAL SCIENCES & LIFE SCIENCE)									
GROUPS: MPC, MPCS, MCCS, BZC & SBC									
WEEK	YEAR	PERIOD-1	PERIOD-2	PERIOD-3		PERIOD-4	PRACTICALS		
		9.30-10.30	10.30-11.30	11.30-12.30		1.00-1.50PM	1.50-4.20PM		
MON	B.Sc -I YEAR	ENG	MAT/BOT	TEL		CSC	III A-PHY	II A - CHE	I B - CSC
	B.Sc -II YEAR	CHE/CSC	PHY/ZOO	MAT/BOT		ENG			
	B.Sc -III YEAR	MAT/BOT	CHE/CSC	WRM	L	TEL			
TUES	B.Sc -I YEAR	ENG	MAT/BOT	TEL	U	CSC	III B-PHY & III C-PHY	II C - CHE	I C - CSC
	B.Sc -II YEAR	CHE/CSC	PHY/ZOO	MAT/BOT	N	ENG			
	B.Sc -III YEAR	MAT/BOT	CHE/CSC	WRM	C	TEL			
WED	B.Sc -I YEAR	ENG	PHY/ZOO	CHE	H	CSC	II A -PHY	I A - CHE	III B-CSC & III D-CSC
	B.Sc -II YEAR	CHE/CSC	SEC-1	MAT/BOT		ENG			
	B.Sc -III YEAR	MAT/BOT	CHE/CSC	PHY/ZOO	B	TEL			
THU	B.Sc -I YEAR	ENG	PHY/ZOO	CHE	R	CSC	II B -PHY	I B - CHE	III C - CSC
	B.Sc -II YEAR	CHE/CSC	SEC-1	MAT/BOT	E	TEL			
	B.Sc -III YEAR	MAT/BOT	CHE/CSC	PHY/ZOO	A	ENG			
FRI	B.Sc -I YEAR	TEL	PHY/ZOO	CHE	K	MAT/BOT	I A - PHY	III A - CHE	II B - CSC
	B.Sc -II YEAR	PHY/ZOO	SEC-2	LIBRARY		TEL			
	B.Sc -III YEAR	WRM	LIBRARY	PHY/ZOO		ENG			
SAT	B.Sc -I YEAR	TEL	PHY/ZOO	CHE		MAT/BOT	I C - PHY	III D - CHE	II C - CSC
	B.Sc -II YEAR	PHY/ZOO	SEC-2	LIBRARY		TEL			
	B.Sc -III YEAR	WRM	LIBRARY	PHY/ZOO		ENG			

Student Performance and Learning Outcomes

COURSE OUT COMES:

SEMESTER I, PAPER I, 4 Credits

The students will learn the following

- CO 1: Inculcate industrial applications of carbides, silicones, acidity and reactivity of boron Compounds.
- CO 2: Overview of periodic table and P block elements.
- CO 3: Detail understanding of various compounds of elements of p-block and theoretical knowledge to perform semi micro analysis i.e Identification of inorganic salts
- CO 4: Understand the concept of nature of chemical bond
- CO 5: Understand alkanes, alkenes, alkynes, understand the aromaticity of organic Compounds
- CO 6: Understand the concept of stereochemistry. Understand different types of reaction Mechanism

SEMESTER II, PAPER II, 4 Credits

The students will learn the following

- CO 1: Understand reactivity and structures of oxides, oxy acids, structures of inter halogen compound zero group elements, d –block elements
- CO 2: Understand the structure and chemical bonding and behavior in aryl, alkyl halides, alcohols, phenols and carbonyl compounds
- CO 3: Understand the theories and laws of electrochemistry, electrolytic cells, electrochemical cells applications batteries industry. Conductometric titrations, emf etc.
- CO 4: Volumetric analysis, and gravimetric analysis. estimation of carbonate, bicarbonate, copper etc.

SEMESTER III, PAPER III, 4 Credits

The students will learn the following

CO 1: Understand the chemistry of f-block elements, complex compounds, metal carbonyls and Organo metallic compounds and their applications.

CO 2: Understand the chemistry of carboxylic acids and their derivatives, active methylene compounds and nitro compounds. Industrial and research importance. Importance of carbanions –I

CO 3: Understand the thermodynamics of chemical reactions, phase rule.

CO 4: Laboratory synthesis of some organic compounds.

SEMESTER IV, PAPER IV, 4 Credits

The students will learn the following

CO 1: Student able to understand the reaction mechanism of inorganic complexes, inert and labile nature, bio inorganic chemistry Student able to understand the reaction mechanism of inorganic Complexes, inert and labile nature, bio inorganic chemistry i.e importance of micro and macro nutrients in human. Theories of bonding in met

CO 2: Student able to understand the chemistry and reactions of carbohydrates, amino acids and Hetero cyclic compounds. Their importance in medical and biological fields. Importance of carbanions –II

CO 3: Student able to understand the the chemistry and reactions of carbohydrates, amino acids and Hetero cyclic compounds. Their importance in medical and biological fields. Importances of carbanions –II

CO4: Functional group analysis.

SEMESTER V, PAPER V

The students will learn the following

CO 1: Students are able to determine the functional groups present in molecule structure by applying infrared

CO 2: Students can explain the maximum absorption wavelength by of molecules using UV Spectroscopy and can find out the chemical environment of molecule from chemical shift values of NMR Spectroscopy

CO 3: Students are able to separate the compounds from the given mixture by solvent extraction method and separation techniques.

CO 4: Students determine the concentration of KMnO_4 Solution by using Colorimetry

SEMESTER V, PAPER VI, INSTRUMENTAL METHODS OF ANALYSIS

The students will learn the following

- | | |
|--------|---|
| CO – 1 | Understand the principle & methods of solvent extraction |
| CO -2 | Classify the chromatography techniques |
| CO – 3 | Analyze the factors affecting chromatography |
| CO – 4 | Understand the principle & methods of Column Chromatography and ion exchange chromatography |
| CO – 5 | Elucidate HPLC |
| CO – 6 | Understand the laws of photochemistry |
| CO – 7 | Understand the principles of Potentiometry & Voltammetry |

SEMESTER VI, PAPER VII

The students will learn the following

- CO- 1 Elucidate the ligand substitution reactions
- CO -2 Describe the trans effect
- CO – 3 Applications of HSAB principles
- CO - 4 Understand the Biological significance of essential elements
- CO - 5 Understand the Classification, nomenclature of Carbohydrates, and structure elucidation of glucose & Fructose
- CO – 6 Understand the methods of synthesis of α -amino acids & physical properties.
- CO - 7 Evaluate the structures of peptides
- CO - 8 Illustrate the different types of systems using thermodynamics.
- CO - 9 Calculate the various kinds of Energy.
- CO - 10 Understand the principle, rules of PMR & Mass spectrometry
- CO - 11 Compare the entropy changes of different processes

SEMESTER VI, PAPER VII, Medicinal Chemistry

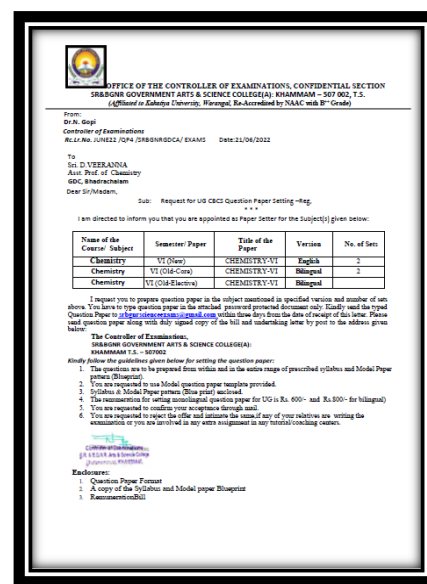
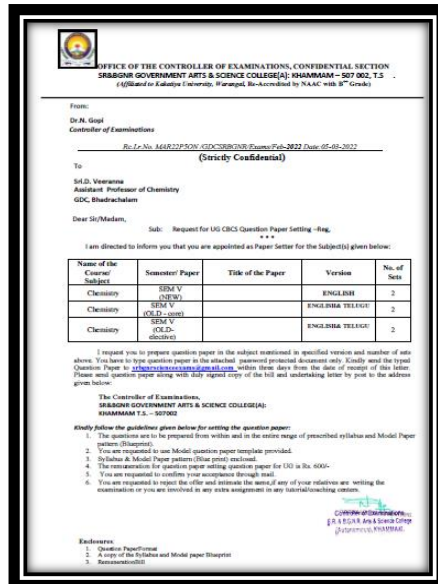
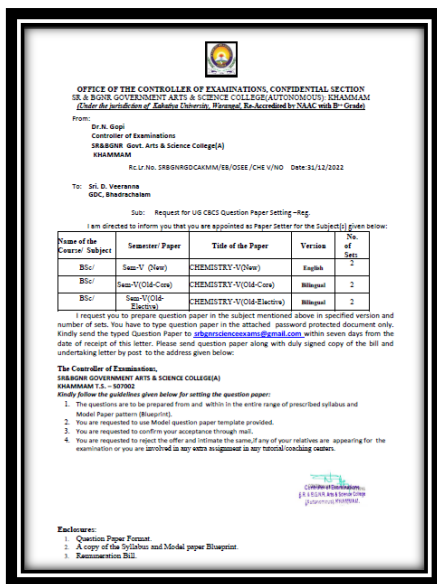
- CO - 1 The students will learn the following
Remember the terminology of medicinal chemistry & classification of drugs
- CO - 2 Describe the ADME
- CO - 3 Determine the rate of enzymatic reactions
- CO - 4 Illustrate the mechanism of Drug action
- CO - 5 Describe the Drug action - receptor theory
- CO - 6 Discuss about Chemotherapeutics
- CO - 7 Describe about Hormones & Neurotransmitters
- CO - 8 Classify the vitamins
- CO - 9 Discuss about the deficiency disorders & remedy of Vitamins
- CO - 10 Describe about the Micronutrients (Na, K, Ca, Cu, Zn & I)

CURRICULAR PLANNING AND IMPLEMENTATION

1. Academic council/BoS of Affiliating university



2. Setting of question papers for UG/PG programs



ACADEMIC YEAR: 2022-2023 ACTION PLAN

June	<ul style="list-style-type: none"> • Admissions & campaign • Telangana state formation • Departmental meeting • Drug day
July	<ul style="list-style-type: none"> • Quiz • Q/A session • Assignments • Study project
August	<ul style="list-style-type: none"> • Guest Lectures
September	<ul style="list-style-type: none"> • Remedial teaching • Ozone day celebrations
October	<ul style="list-style-type: none"> • Assignment • Field trip • Student seminar
November	<ul style="list-style-type: none"> • National level seminar
December	<ul style="list-style-type: none"> • Jignasa Student study project
January	<ul style="list-style-type: none"> • Assignment • Certificate course
February	<ul style="list-style-type: none"> • Remedial teaching • Practical exams • National science day • Student seminar
March	<ul style="list-style-type: none"> • Water day • Annual theory exam
April	<ul style="list-style-type: none"> • P.G.coaching

**DEPARTMENTAL ACTIVITIES
2016-2017 (OZONE DAY CELEBRATIONS)**



2017-2018 (WORLD DRUG DAY)



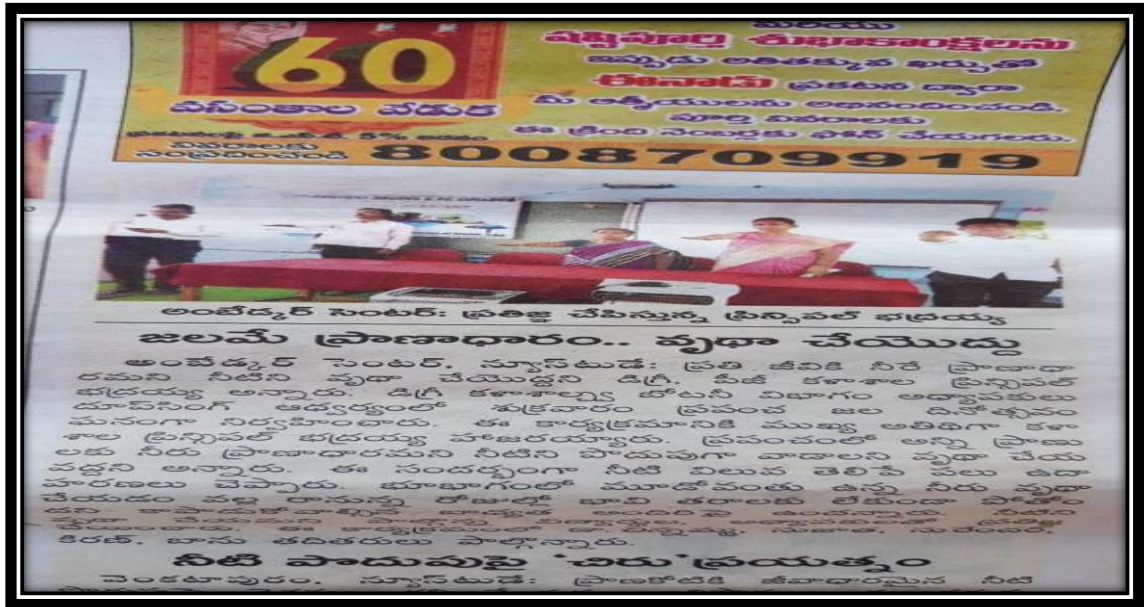
2017-2018 (WORLD OZONE DAY)



2018-2019 (WORLD OZONE DAY)



2018-2019 (INTERNATIONAL WATER DAY)



2019-2020 (INTERNATIONAL OZONE DAY)




అంతర్జాతీయ ఓజోన్ దినం 16-09-2019

అక్షర సంగ్రామం(టాన్) :

భద్రాచలం ప్రభుత్వ డిగ్రీ కళాశాల రసాయన శాస్త్ర విభాగం ఆధ్వర్యంలో "ఓజోన్ దే" నిర్వహించడం జరిగినది.

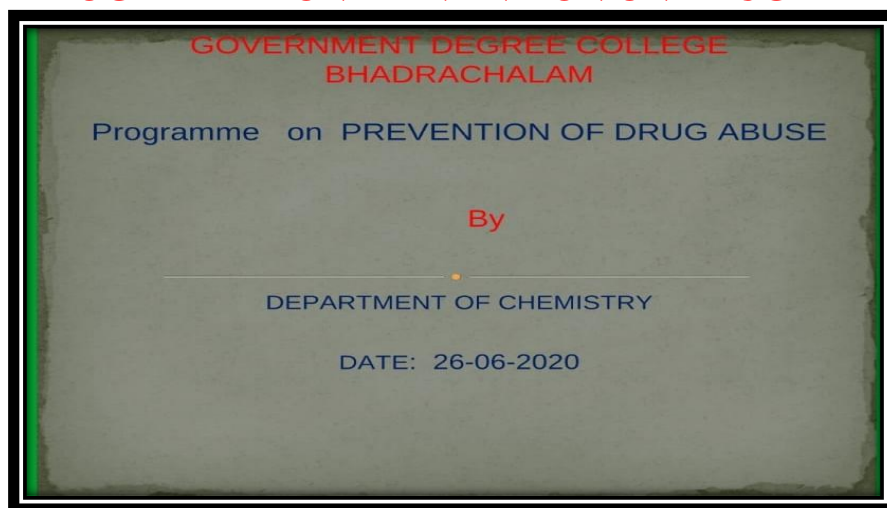
కార్యక్రమంలో కళాశాల ప్రిన్సిపాల్ పాల్గొని విద్యార్థులకు ఓజోన్ పొర క్షీణత, ప్రాముఖ్యతను వివరించారు. ఈ కార్యక్రమంలో కళాశాల అధ్యాపకులు పాల్గొని ప్రసంగించడం జరిగింది.



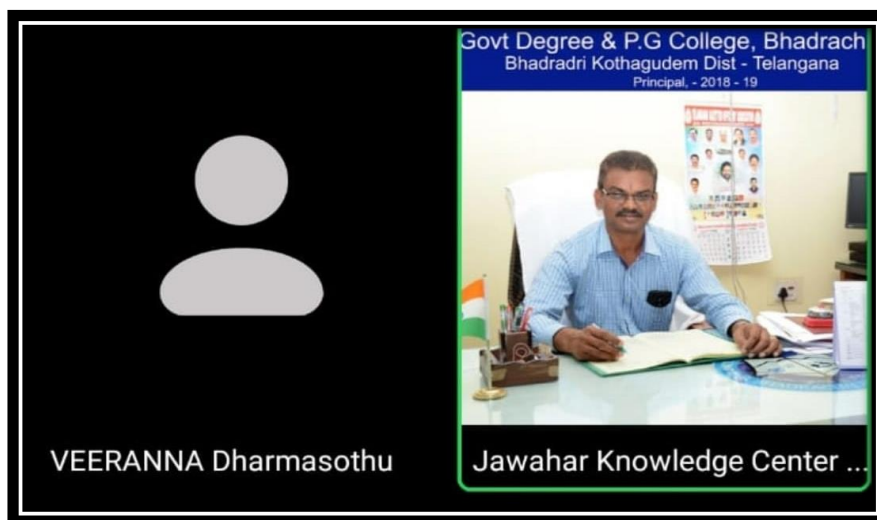
2019-2020 (PARENT TEACHER MEETING)



PROGRAMME ON PREVENTION ON DRUG DAY



2019-2020



2020-2021(OZONE DAY CELEBRATIONS)



2018-2019 WATER DAY CELEBRATIONS



2019-2020 WATER DAY CELEBRATIONS



2020-2021(WORLD WATER DAY)





చిత్రలేఖనంలో డిగ్రీ కాలేజీ విద్యార్థికి ప్రథమ బహుమతి

భద్రాచలం,డిసెంబర్ 9 (మనం న్యూస్) : కాకతీయ విశ్వవిద్యాలయం ఆధ్వర్యంలో గురువారం నాడు ఖమ్మం కవిత మెమోరియల్ డిగ్రీ కళాశాల లో నిర్వహించిన ఎన్ ఎస్ ఎస్ ఉమ్మడి ఖమ్మం జిల్లా యూత్ ఫెస్టివల్ లో భాగంగా నిర్వాహకులు నిర్దేశించిన వివిధ అంశాలలో దాదాపు 49 కళాశాలలు నుండి 700 మంది విద్యార్థులు పాల్గొన్నారు. భద్రాచలం ప్రభుత్వ డిగ్రీ కళాశాలలో బీఎస్సీ ప్రథమ సంవత్సరం చదువుతున్న జి రాజశేఖర్ కు చిత్రలేఖనంలో ప్రథమ బహుమతి లభించింది .ఈ సందర్భముగా కళాశాలలో ప్రిన్సిపాల్ భద్రయ్య ఆధ్వర్యంలో ఎన్ఎస్ఎస్ యూనిట్ వన్ , ఎన్ఎస్ఎస్ యూనిట్ 2 కోఆర్డినేటర్ శ్యామ్, శ్రీ వీరన్న సమక్షంలో ప్రథమ బహుమతి సాధించిన విద్యార్థి జి రాజశేఖర్ను అభినందించడం జరిగింది. ఈ కార్యక్రమంలో కళాశాల అధ్యాపకులు విద్యార్థులు పాల్గొన్నారు.

ACADEMIC FLEXIBILITY

Certificate Courses:

Department of chemistry has organized short term certificate course in “Hands on Training On Chemdraw And Chems sketch Softwares” for BSc students. This course is helpful for students in quick drawing and naming structures to understand the IUPAC naming structures.

This course is helpful in acquiring practical knowledge skills for students.

S.no	YEAR	TOPIC
1	2018-2019	Hands On Training ChemDraw and ChemSketch Softwares
2	2019-2020	Hands On Training ChemDraw and ChemSketch Softwares
3	2020-2021	Hands On Training ChemDraw and ChemSketch Softwares
	2022-2023	Hands On Training ChemDraw and ChemSketch Softwares

2018-2019 (CERTIFICATE COURSE)



2019-2020 (CERTIFICATE COURSE)





2020-2021 (CERTIFICATE COURSE)



STUDENT STUDY PROJECTS

To develop Research aptitude among the Student Department guiding students to do projects

S.no	Academic Year	Number of Projects
	2022-23	2
1	2021-22	2
2	2020-21	2
3	2019-20	2
4	2018-19	3
5	2017-18	2
6	2016-17	2

S.no	Academic year	Title	Mentors	Student Names
1	2016-2017	Analysis Of Soil Samples	Smt . M.Padmaja Smt. V.Ragha Suma M.Prasada Rao	P.Maneesha Y.Sireesha V.Ganesh O.Vennala
2	2016-2017	Reactivity Of Metals	M.Prasada Rao K . Jagadeesh Babu	J.Supriya K.Chandhini M.Vinod Kumar N. Shirisha S.Anil
3	2017-2018	Water Analysis	Dr R.Mogili K . Jagadeesh Babu M.Prasada Rao	I.Kiran K. Usha Rani Ch. Priyanka P. Sai Babu Y.Sandhya
4	2017-2018	Amount Of Acetic Acid In Vinegar Sample	Smt . M.Padmaja Smt. V.Ragha Suma	B.Saritha Ch . Manoj Kumar K.Suresh K.Praveen P.Narmada
5	2018-2019	Effect Of Soil Acidity On The Growth Of Plants	Sri.D.Bhadraiah D.Veeranna Smt. V.Ragha Suma	G.Vineetha K.Samatha V.Srinivas Sk. Afreed
6	2018-2019	Study Project On Nature Of The Soil And Cultivates Of Surroundings Of Bhadrachalam	Sri.D.Bhadraiah D.Veeranna Smt. V.Ragha Suma	A.Sai Mounika K.Padma B.Jagadheesh K.Sahithi P.Srinadh
7	2018-2019	Determination Of Ascorbic Acid In Fruits	Sri.D.Bhadraiah D.Veeranna Smt. V.Ragha Suma	K.Sahithi A.Sai Mounika Y.Sri Satya Sai Kumar N.Naveena
8	2019-2020	Analysis Of Talcum Powder	Sri.D.Bhadraiah D.Veeranna Smt. V.Ragha Suma	Md. Umea Hazia Y.Sri Laxmi Haritha M.Keerthi P.Pravallika Rani
9	2019-2020	Use Of Bio Fertilizers & Bio Pesticides In Organic Farming	Sri.D.Bhadraiah D.Veeranna Smt. V.Ragha Suma	B.Thirupathamma K.Pradeepthi D.Vasanthi R.Rajeswari
10	2020-2021	A Study On Cleaning Of Gold Ornaments	Sri.D.Bhadraiah D.Veeranna Smt. V.Ragha Suma	K.Divyasri T.Shantha Kumari B.Thirupathamma B.Keerthi I.Sravani P.Shivaji R.Lavanya U.Harish
11	2020-2021	Setting Of Cement	Sri.D.Bhadraiah D.Veeranna Smt. V.Ragha Suma	K.Ranzith Kumar K.Pradeepthi P.Janani T.Haritha D.Vasanthi Sk.Habeeb P.Tharun R.Rajeswari

**2016-2017 (STUDENT STUDY PROJECT)
ANALYSIS OF SOIL SAMPLE**



**2016-2017 (STUDENT STUDY PROJECT)
REACTIVITY OF METALS**



**2017-2018 (STUDENT STUDY PROJECT)
WATER ANALYSIS**



**2017-2018 (STUDENT STUDY PROJECT)
PHYSICO CHEMICAL ANALYSIS**



2018-2019 (STUDENT STUDY PROJECT)

DETERMINATION OF VITMAIN C



**2018-2019 (STUDENT STUDY PROJECT)
STUDY PROJECT ON NATURE OF SOIL AND CULTIVERS
OF SURROUNDINGS OF BHADRACHALAM**



**2018-2019 (STUDENT STUDY PROJECT)
EFFECT OF SOIL ACIDITY ON THE GROWTH OF PLANTS**



**2019-2020 (STUDENT STUDY PROJECT)
USE OF BIO FERTILIZERS AND BIO PESTICIDES
IN ORGANIC FARMING**



**2019-2020 (STUDENT STUDY PROJECT)
ANALYSIS OF TALCUM POWDER**



2020-2021 (STUDENT STUDY PROJECT)

SETTING OF CEMENT



2020-2021 (STUDENT STUDY PROJECT)
A STUDY ON CLEANING OF GOLD ORNAMENTS



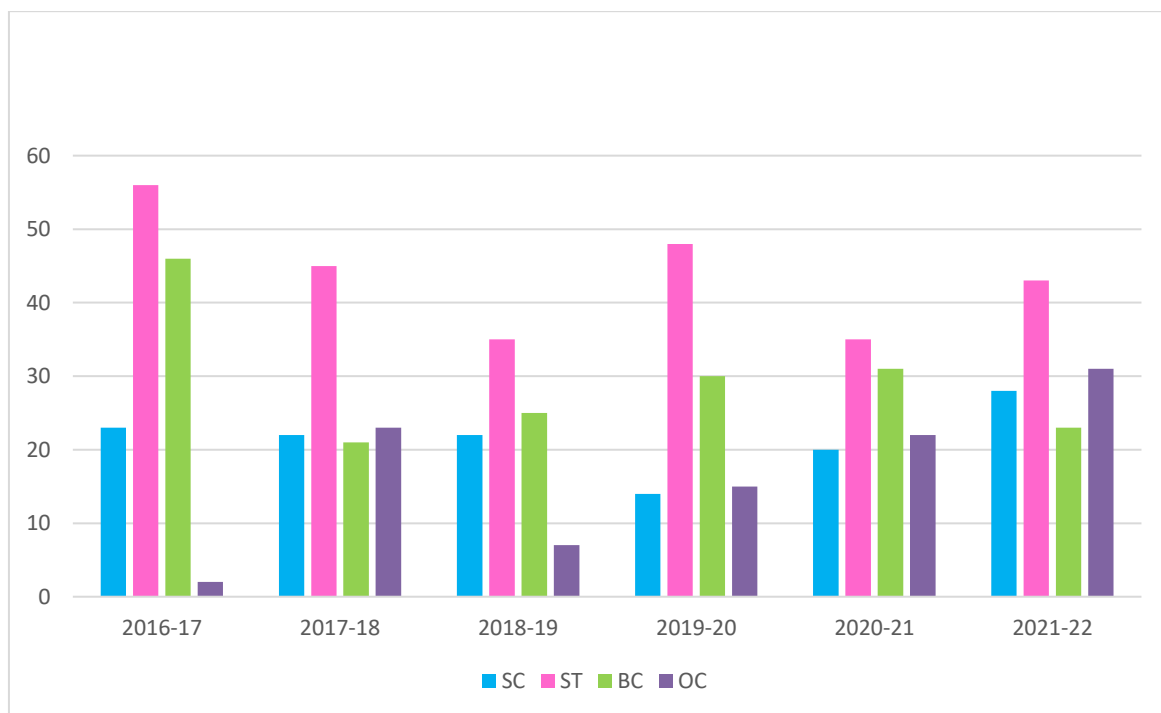
CRITERION II

TEACHING, LEARNING AND EVALUATION

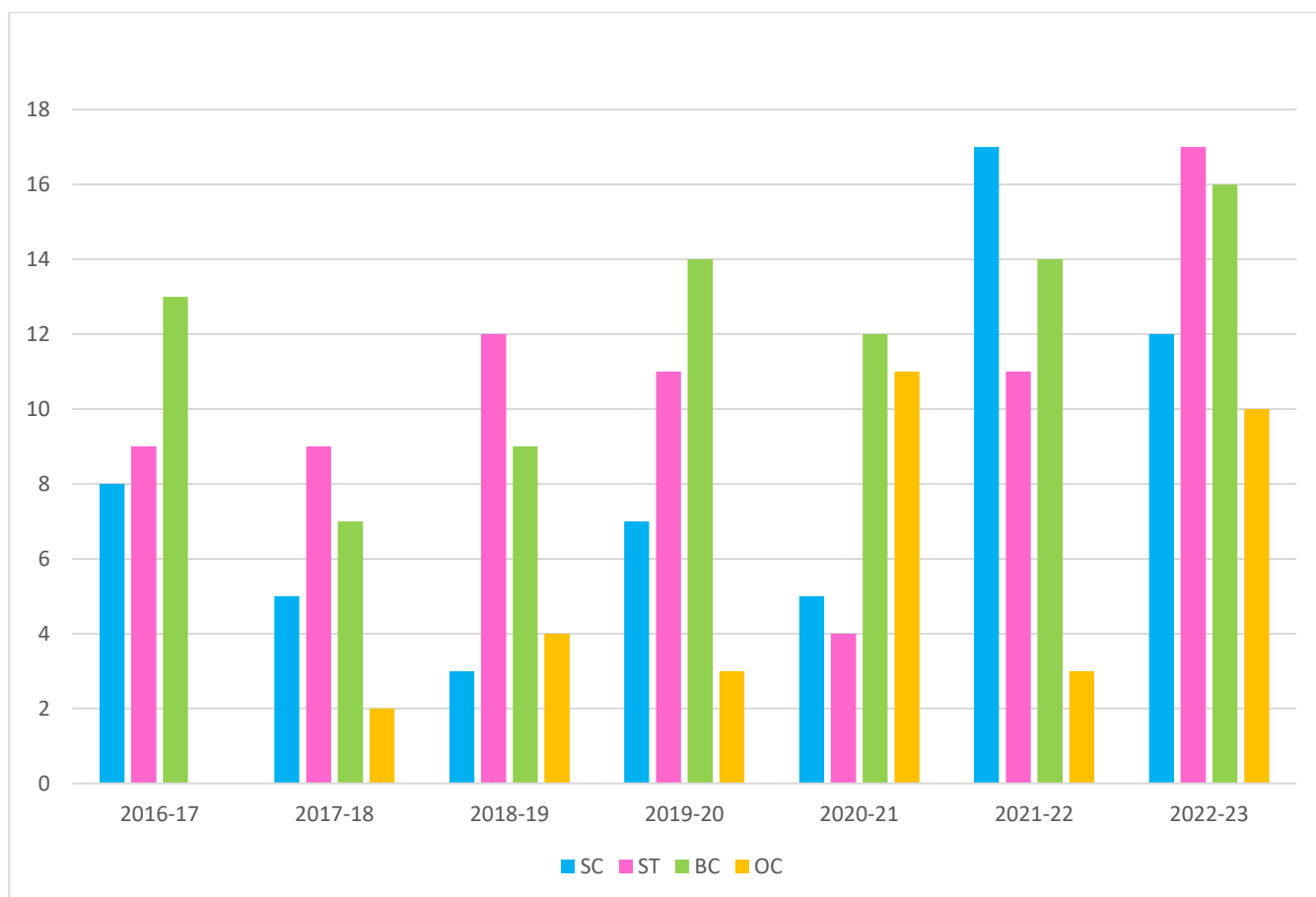
Student Enrollment and Profile:

STUDENT DIVERSITY

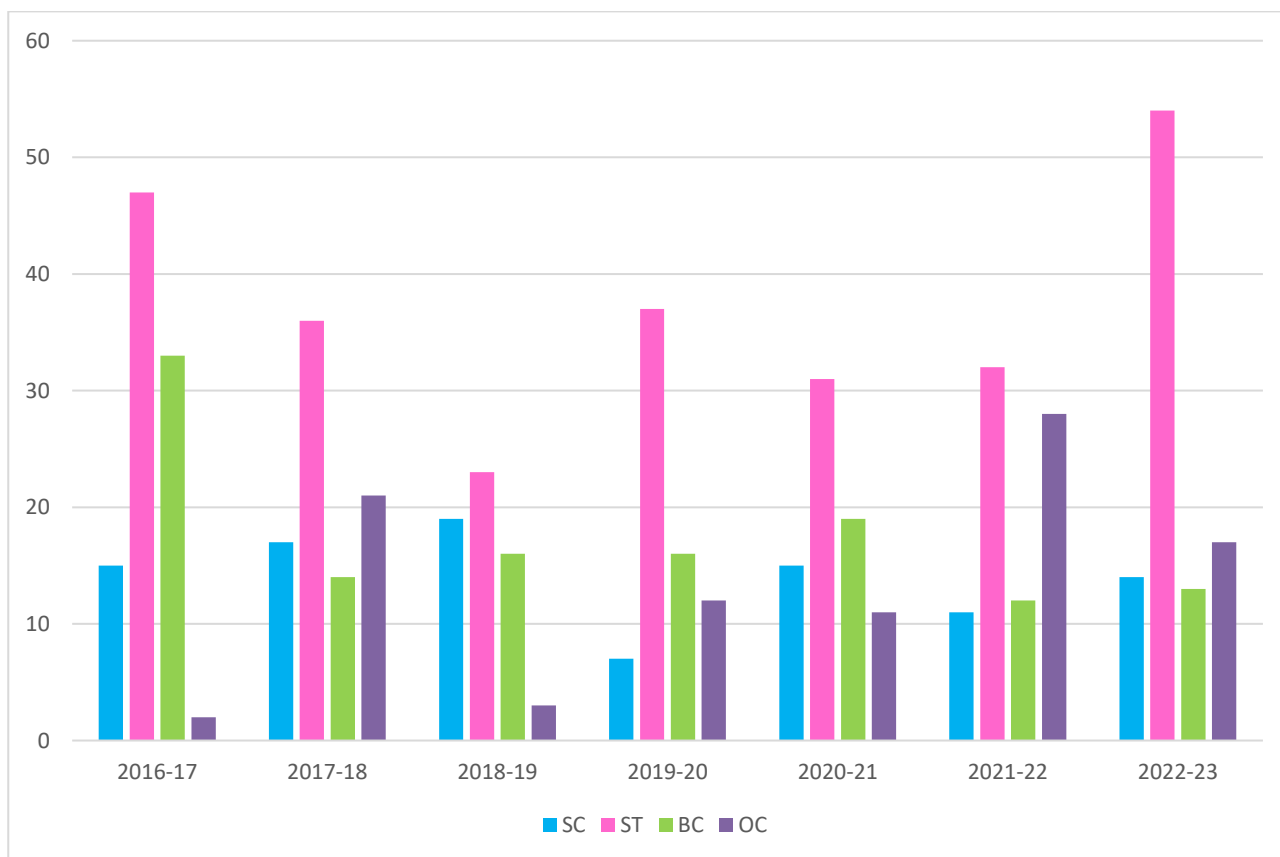
YEAR	SC	ST	BC	OC	TOTAL
2016-17	23	56	46	2	127
2017-18	22	45	21	23	111
2018-19	22	35	25	7	89
2019-20	14	48	30	15	117
2020-21	20	35	31	22	108
2021-22	28	43	23	31	128
2022-23	26	71	29	27	153
TOTAL	155	333	205	127	833



PHYSICAL SCIENCE 2016-22					
YEAR	SC	ST	BC	OC	TOTAL
2016-17	8	9	13	0	30
2017-18	5	9	7	2	23
2018-19	3	12	9	4	28
2019-20	7	11	14	3	45
2020-21	5	4	12	11	32
2021-22	17	11	14	3	45
2022-23	12	17	16	10	55



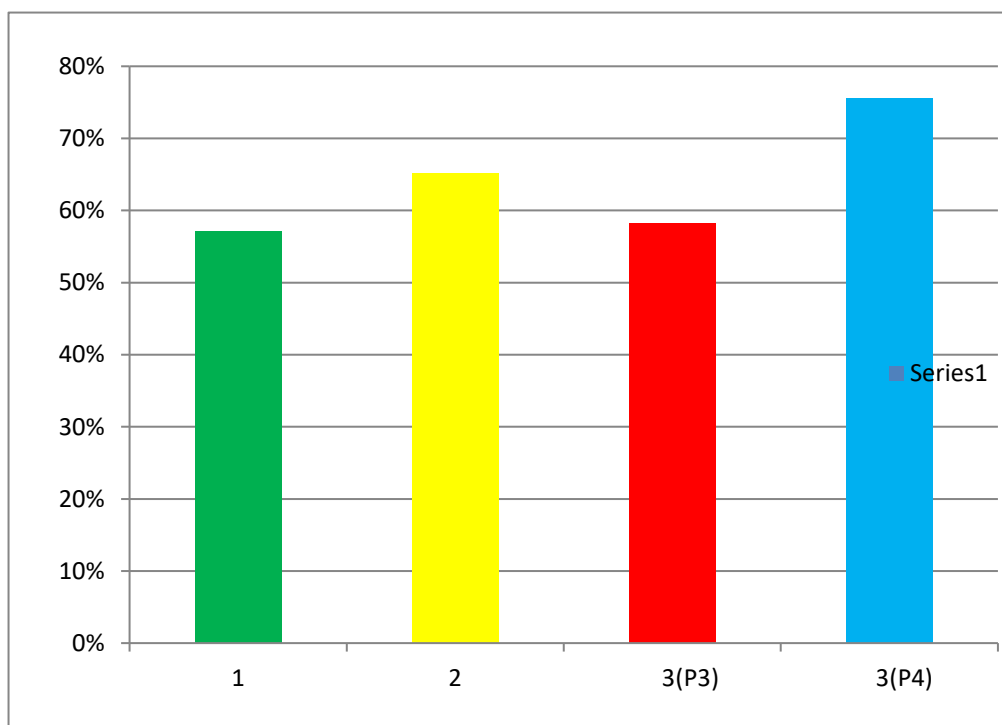
LIFE SCIENCE 2016-22					
YEAR	SC	ST	BC	OC	TOTAL
2016-17	15	47	33	2	97
2017-18	17	36	14	21	88
2018-19	19	23	16	3	61
2019-20	7	37	16	12	72
2020-21	15	31	19	11	76
2021-22	11	32	12	28	83
2022-23	14	54	13	17	98



RESULT ANALYSIS

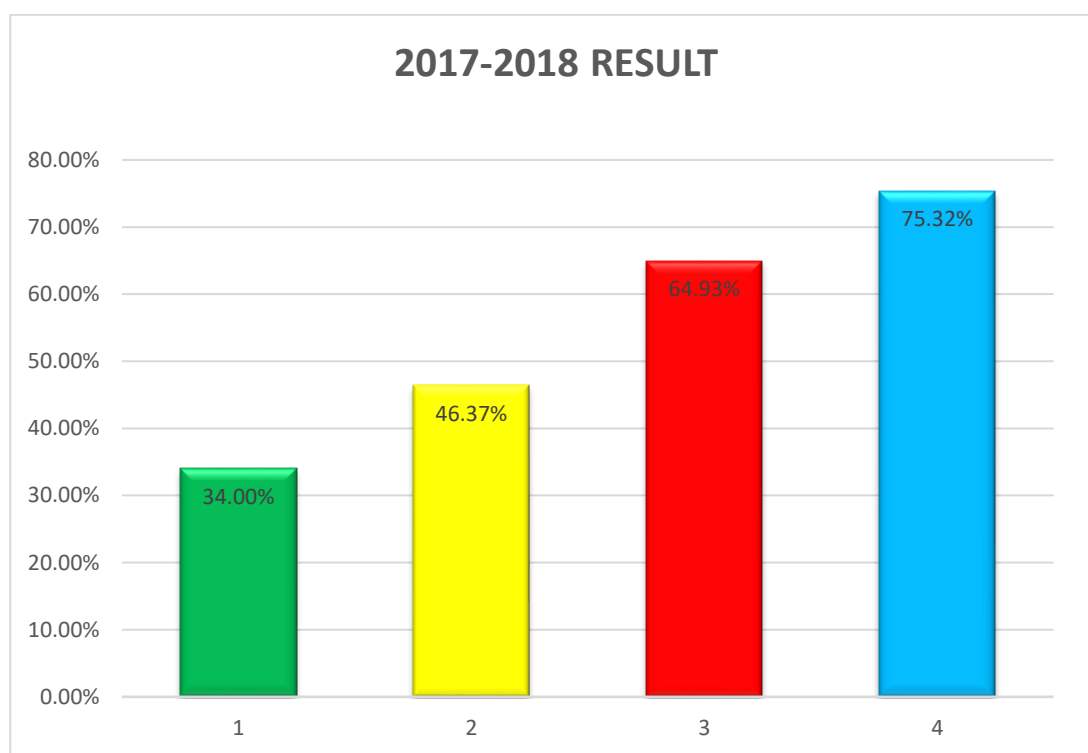
ACADEMIC YEAR 2016-2017

S.No	PAPER	APPEARED	PASS%	PERCENTAGE
1	1	91	51	57.14%
2	2	86	62	65.11%
3	3(P3)	91	48	58.24%
4	3(P4)	91	78	75.52%



ACADEMIC YEAR 2017-18

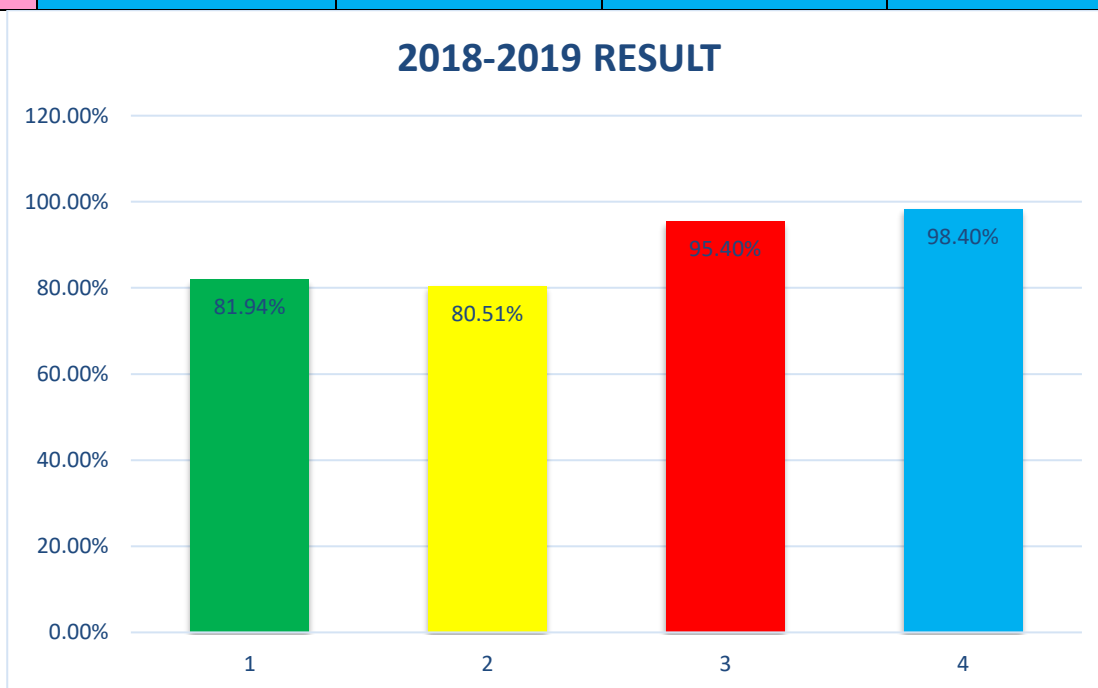
SNO	PAPER	APPEARED	PASS	PERCENTAGE
1	1	72	25	34.00%
2	2	69	32	46.37%
3	3(P3)	77	50	64.93%
4	3(P4)	77	58	75.32%



ACADEMIC YEAR 2018-19

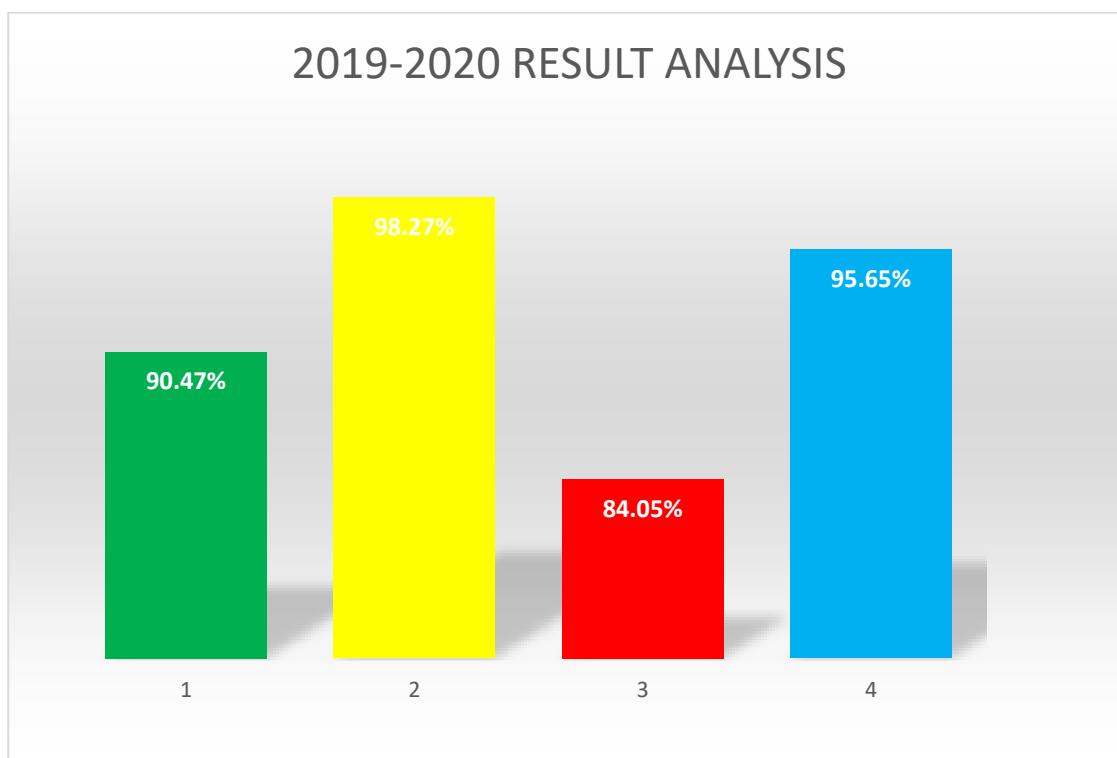
SNO	PAPER	APPEARED	PASS	PERCENTAGE
1	1	72	59	81.94%
2	2	77	62	80.51%
3	3(P7)	66	63	95.40%
4	3(P8)	65	64	98.40%

2018-2019 RESULT



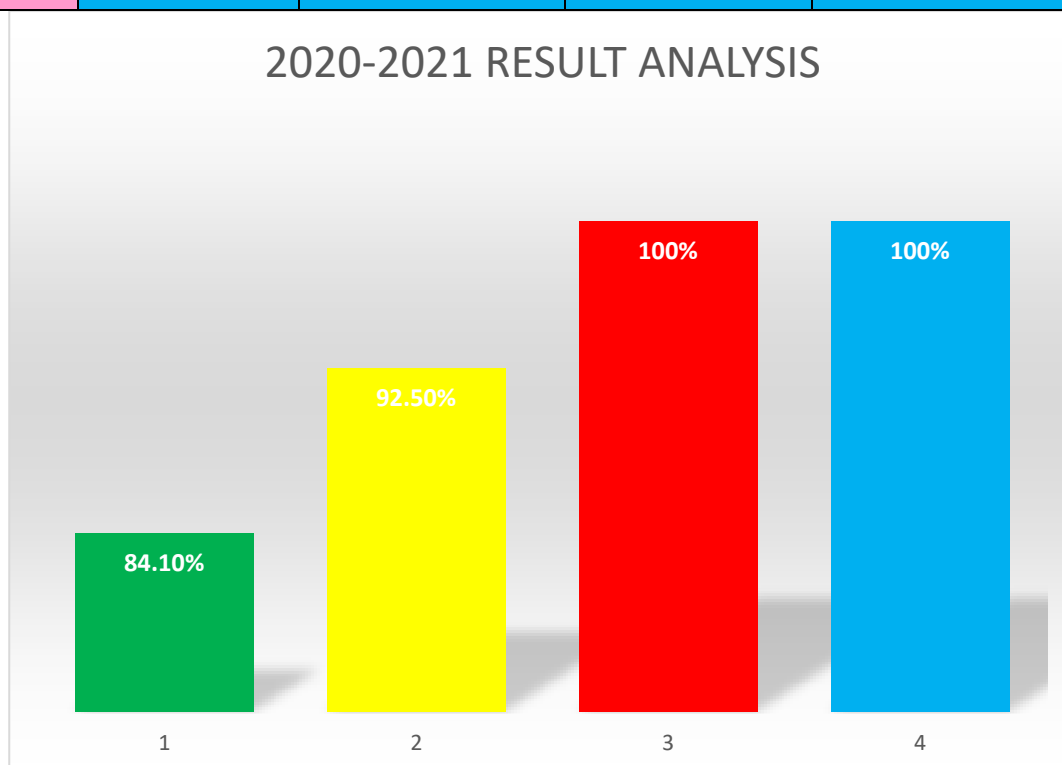
ACADEMIC YEAR 2019-20

SNO	PAPER	APPEARED	PASS	PERCENTAGE
1	1	84	76	90.47%
2	2	58	57	98.27%
3	3(P7)	69	58	84.05%
4	3(P8)	69	66	95.65%

2019-2020 RESULT ANALYSIS

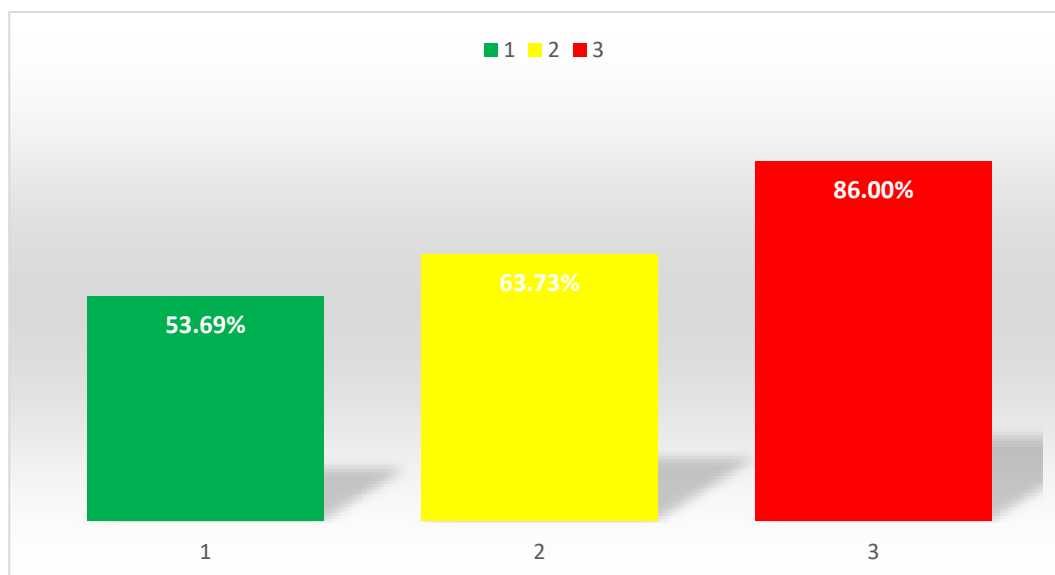
ACADEMIC YEAR 2020-21				
SNO	PAPER	APPEARED	PASS	PERCENTAGE
1	1	81	68	84.10%
2	2	80	74	92.50%
3	3	59	59	100%
4	4	59	59	100%

2020-2021 RESULT ANALYSIS



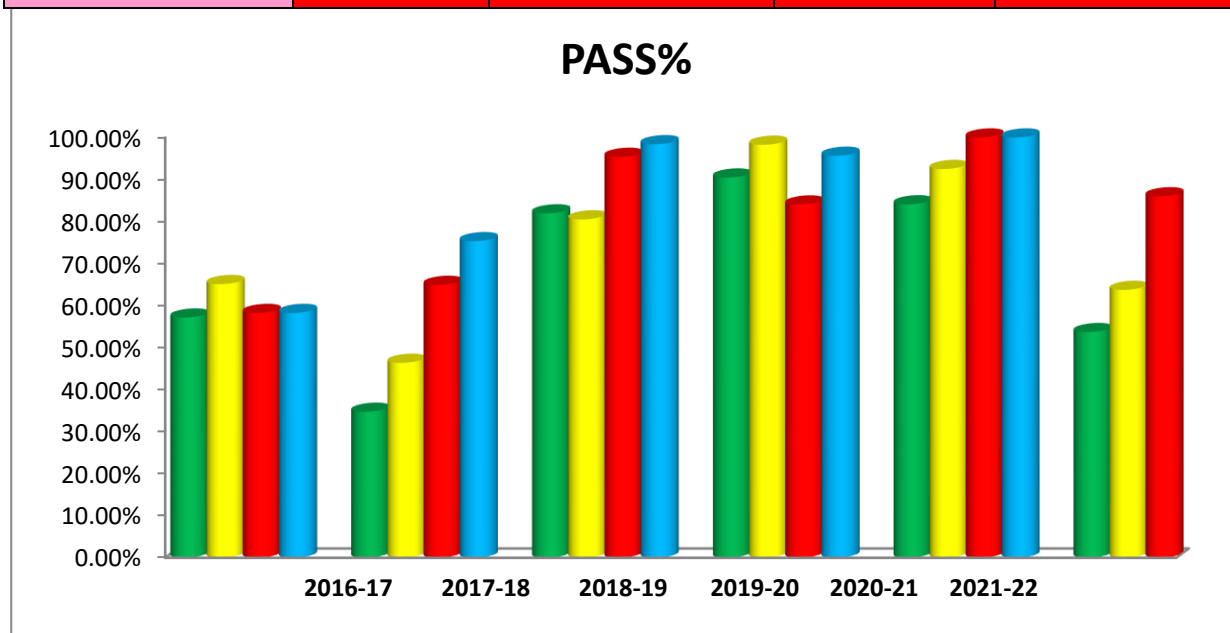
ACADEMIC YEAR 2021-2022

S.No	PAPER	APPEARED	PASSED	PASS%
1	1	149	80	53.69%
2	2	102	65	63.73%
3	3	77	66	86.00%



OVERALL RESULT ANALYSIS

ACADEMIC YEAR	PAPER	APPEARED	PASSED	PASS%
2016-2017	1	91	52	57.14%
	2	86	56	65.11%
	3(P3)	91	53	58.24%
	3(P4)	91	53	58.24%
2017-2018	1	72	25	34.72%
	2	69	32	46.37%
	3(P3)	77	50	64.93%
	3(P4)	77	58	75.32%
2018-2019	1	102	94	81.94%
	2	77	62	80.51%
	3(P7)	66	63	95.40%
	3(P8)	65	64	98.40%
2019-2020	1	84	76	90.47%
	2	58	57	98.27%
	3(P7)	69	58	84.05%
	3(P8)	69	66	95.65%
2020-2021	1	81	68	84.10%
	2	80	74	92.50%
	3(P7)	59	59	100%
	3(P8)	59	59	100%
2021-2022	1	149	80	53.69%
	2	102	65	63.73%
	3	77	66	86.00%



Student Performance and Learning Outcomes Teaching Learning Process:**STUDENT SEMINARS**

Department of Chemistry has organized student seminars which would help to enrich the subject knowledge of students and increases their confidence levels in field of academics

S.no	Class	Name of students presented the seminar	Date	Academic year	No of students participated
1	I BSc MPC	P.Sai Manju K.Shanthi	22-09-2016	2016-2017	24
2	I BSc MPC	Sk.Moushad K.Sandeep	05-11-2016	2016-2017	23
3	I BSc MPC	V.Naveen K.Chaithanya	12-01-2017	2016-2017	23
4	I BSc MPC	V.Sreenivas P.Sai Manju	08-03-2017	2016-2017	22
5	II BSc BZC SBC	Ch. Sravani V.S.Madhuri Rakshitha K.Sridevi P.Swathi	27-08-2016	2016-2017	20

6	III BSc MPC	M.Rajeswari N.Swaroop G.Shanthosh kumar	27-08-2016	2016-2017	12
7	III BSc MPC	B.Hari Priya P.Rani	15-09-2016	2016-2017	15
8	II BSc BZC SBC	P.Sravani P.Prvallika K.Sarasswathi T.Sandeep	06-09-2016	2016-2017	26
9	II BSc BZC SBC	S.Bhargavi P.Srinu Ch.Priyanka	15-10-2016	2016-2017	19
10	III BSc MPC	P.Lakshman K.Krishnarjuna Rao G.Chanti	24-11-2016	2016-2017	14
11	II BSc BZC SBC	K.Kavitha D.Lakshmi K.Ramesh P.Jeevamani	25-11-2016	2016-2017	18

12	III BSc MPC	M.Rama Devi M.Subba Laxmi B.Chaithanya B.Hari Priya P.Rani	02-02-2017	2016-2017	14
14	II BSc BZC SBC	K.Kaveri K.Ramesh G.Raj kumar P.Srikanth	03-02-2017	2016-2017	17
15	III BSc BZC SBC	T.Shivaji B.Hari Priya V.Shiva kanaka raju		2016-2017	28
16	III BSc MPC	G.Jahnavi N.Shirisha M.Rajeswari P.Rani	11-09-2016	2016-2017	23
2017-2018					
19	II BSc BZC SBC	Ch .Mohan Sai Y.Satya Sai Kumar	18-07-2017	2017-2018	26

		Ch.Sireesha A.Sai Mounika K.Sammakka			
20	II BSc BZC SBC	R.Suchithra G.Mounika S.Shivaji A.Samatha Laxmi	18-10-2017	2017-2018	32
21	I BSc MPC	R.Kalyani P.Pravallika Rani V.Naga Raju B.Vennela	12-10-2017	2017-2018	14
22	I BSc MPC	P.Mahendar M.Sathish B.Sowjanya K.Hari	12-10-2017	2017-2018	14
23	III BSc MPC	P.Narmada K.Swapna S.Naveen Sk.Sayyad Babu		2017-2018	10
24	III BSc MPC	M.Supriya		2017-2018	10

		G.Pawan Kalyan E.Sravani Md.Nazeeruddhin			
25	III BSc MPC	P.Kowsalya Ch. Baby Rani M.Bala Vamsi G.Komali Devi K.Pawan kalyan		2017-2018	10
26	III BSc MPC	K.Naga Raju Ch.Vineetha U.Vineetha P.Shirisha		2017-2018	10
2018-2019					
27	I BSc MPC I BSc BZC SBC	R.Lasya Priya R.Rajeswari U.Hareesh	16-08-2018	2018-2019	44
28	I BSc MPC	Sk.Habeeb	12-09-2018	2018-2019	37

	I BSc BZC SBC	M.Durga Bhavani G.Navya			
29	I BSc MPC I BSc BZC SBC	I.Sravani T.Shanthi kumari	02-04-2019	2018-2019	42
30	I BSc MPC I BSc BZC SBC	B.Bhavani P.Tharun	01-04-2019	2018-2019	32
31	II BSc MPC II BSc BZC SBC	V.E.M . Laharika		2018-2019	20
32	II BSc MPC II BSc BZC SBC	V.Sri Laxmi Hasitha		2018-2019	20
33	II BSc MPC II BSc BZC SBC	G.Sarika		2018-2019	20
34	II BSc MPC II BSc BZC SBC	V.Pravallika		2018-2019	20

35	II BSc MPC II BSc BZC SBC	P.Maneesha		2018-2019	20
36	II BSc MPC II BSc BZC SBC	M.Keerthi		2018-2019	18
37	II BSc MPC II BSc BZC SBC	T.Haritha		2018-2019	20
38	II BSc MPC II BSc BZC SBC	K.Pradeepthi		2018-2019	20
39	III BSc MPC III BSc BZC SBC	K.Srenu A.Sai Mounika K.Jhansi	16-07-2018	2018-2019	37
40	III BSc MPC III BSc BZC SBC	V.Kavitha G.Venkata Ramana T.Shanthi	28-09-2018	2018-2019	48

41	III BSc MPC	S.Chandrakala	25-02-2019	2018-2019	46
	III BSc BZC SBC	M.Sreekanth			
42	III BSc MPC	G.Mounika	20-04-2019	2018-2019	40
	III BSc BZC SBC	R.Naveendar K.Girisha			
2020-2021					
44	III BSc MPC	M.Keerthi	20-09-2019	2020-2021	45
	III BSc BZC SBC	V.Pravallika			
45	III BSc MPC	V.Naga Raju	21-01-2020	2020-2021	27
	III BSc BZC SBC	Md.Ummia Hazia			
46	III BSc BZC SBC	K.Divya Sri K.Hari Priya	15-02-2021	2020-2021	27
47	III BSc BZC SBC	Sk.Habeeb	01-03-2021	2020-2021	37

		D.Vasanthi			
48	II BSc BZC SBC	R.Rajeswari D.Jyothi	25-01-2019	2020-2021	39
49	II BSc BZC SBC	K.Anil V.Ganesh	03-03-2020	2020-2021	39
50	II BSc MPC II BSc BZC SBC	D.Vineeth Raju G.Deepika G.Kavya Sri K.Renuka	05-03-2021	2020-2021	25
51	I BSc BZC SBC	M.Indu M.Sai	26-11-2019	2020-2021	38
52	I BSc MPC	D.Vineeth Raj M.Harika R.Aishwarya	07-03-2020	2020-2021	39
53	II BSc MPC	B.Divyasri O.Malleswari L.Sri Shambhavi	05-03-2021	2020-2021	35





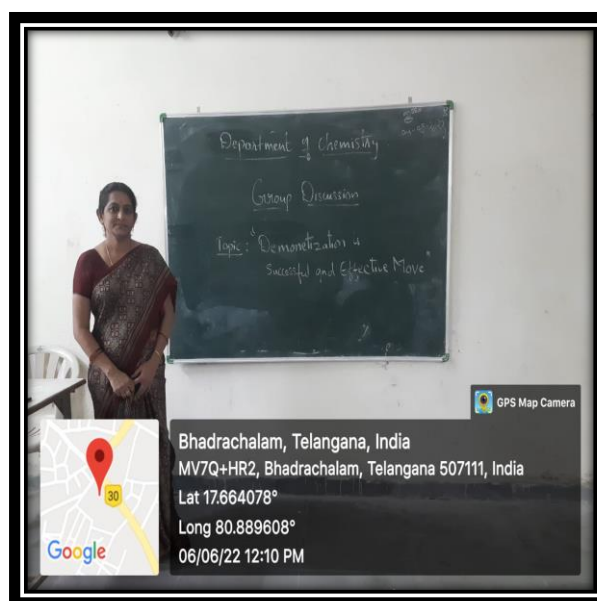
FIELD TRIPS

S.no	YEAR	DATE	PLACE
1	2016-2017	04-02-2017	KTPS, PALONCHA
2	2017-2018	28-11-2017	HEAVY WATER PLANT, MANUGUR
3	2018-2019	05-02-2019	HEAVY WATER PLANT, MANUGUR
4	2020-2021	02-03-2021	HEAVY WATER PLANT, MANUGUR
5	2021-2022	04-06-2022	ITC LIMITED, SARAPAKA



Group Discussions:

III BSC	Second wave of covid 19	06-02-2021	3	2	2020-2021
II BSC	Covid 19 a global pandemic	04-01-2020	3	3	2019-2020
II BSc	Technology the death of libraries	08-08-2018	3	3	2018-2019
III BSC	Pollution is the price of progress	05-12-2017	2	1	2017-2018
III BSC	Future of work	14-10-2016	2	1	2016-2017





QUIZ

In order to engage students in higher order thinking and investigation , focussed Quiz ,Group Discussion. Debates, Elocution , were organized Dept of Chemistry

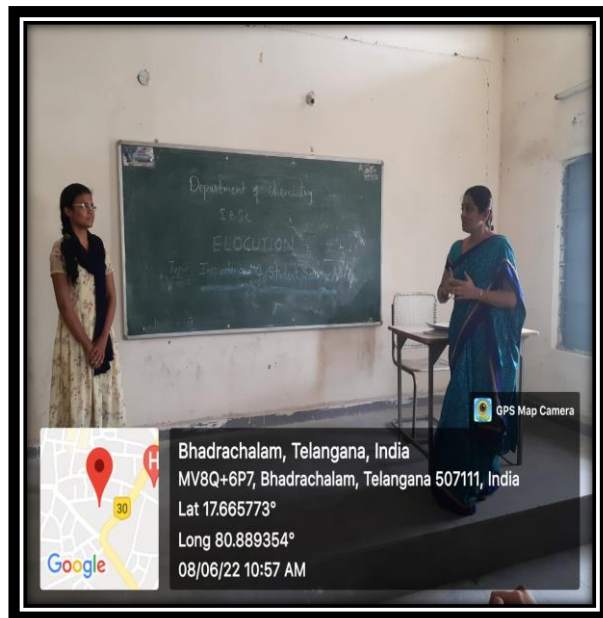
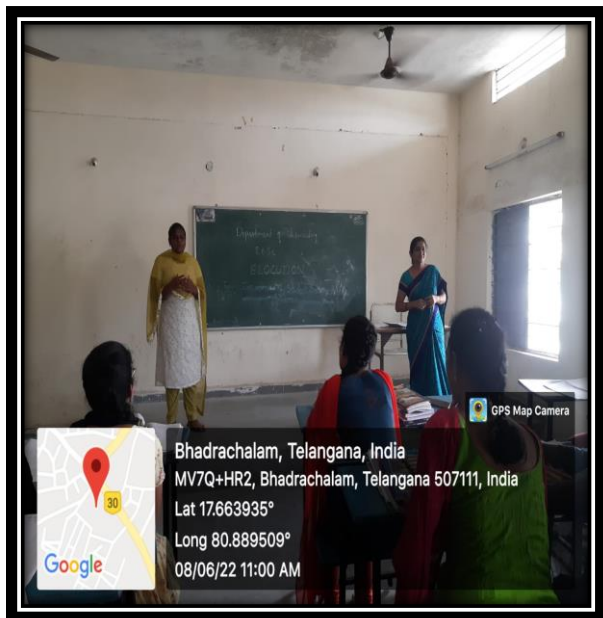
S.no	Class	Date	Year	No of teams participated	Winning team
1	BSC III MPC	17-02-2021	2020-2021	2	Team B
2	BSC III MPC	13-08-2019	2019-2020	5	Team A
3	BSC III BZC & MPC	06-11-2019	2018-2019	3	Team C
4	II BSC	05-02-2018	2017-2018	2	Team B
5	I BSC	04-04-2018	2017-2018	2	Team A
6	I BSC	19-11-2016	2016-2017	5	Team B
7	II BSC	28-03-2017	2016-2017	3	Team C





ELOCUTION

S.NO	ACADEMIC YEAR	NAME OF THE PARTICIPANTS	TOPIC
1	2016-2017	K.Pavan Kalyan	Environmental Pollution With Chemicals
		S.Naveen	Environmentally Friendly Materials
2	2017-2018	K.Nagamani	Tap Water Purification
3	2018-2019	Sumithra	Industrial Activity And Acid Rains
4	2019-2020	B.Bhavani	Develpoment In Green Chemistry
5	2020-2021	B.Divaysri J.Uma	Importance Of Student Seminar

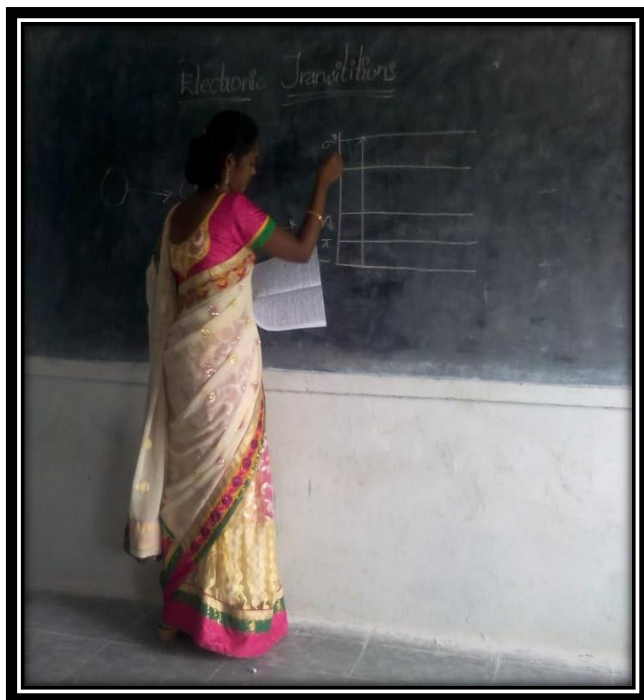


UNIVERSITY VISIT

OSMANIA UNIVERSITY



TEACHERS DAY CELEBRATIONS



NATIONAL SCIENCE DAY



డిగ్రీ కళాశాలలో పోస్టర్ ప్రజెంటేషన్

విద్యార్థులకు అవగాహన కల్పిస్తున్న అధ్యాపకులు

భద్రాచలం, ఫిబ్రవరి 23 (ప్రభుత్వం) : భద్రాచలం ప్రభుత్వ డిగ్రీ, పిజి కళాశాలలో సైన్స్ డేను పురస్కరించుకుని గురువారం పోస్టర్ ప్రజెంటేషన్ కార్యక్రమం నిర్వహించారు. కార్యక్రమంలో కళాశాల ప్రధానాచార్యులు, రసాయన శాస్త్ర శాఖాధిపతి డి.భద్రయ్య అధ్యక్షతన విద్యార్థులు అధిక సంఖ్యలో పాల్గొన్నారు. గ్లోబల్ శ్రేయస్సు కోసం - గ్లోబల్ సైన్స్ అని ప్రధానాచార్యులు విద్యార్థులను దైశింబి ప్రవంగించారు. ఈ కార్యక్రమంలో అధ్యాపకులు వీరన్న, రాగసుమ, హిమజ, వాణి, ఇక్బానీ కోఆర్డినేటర్ కామేశ్వరరావు, శ్యామ్, శ్రీనివాసరావు, సమీర తదితరులు పాల్గొన్నారు.

ICT enabled tools for effective teaching-learning process

For effective transformation of curriculum, the faculty members of the department use Individual You Tube channels & Google Meet in teaching.

YouTube provides a simple way for people to store videos online and share them with others.

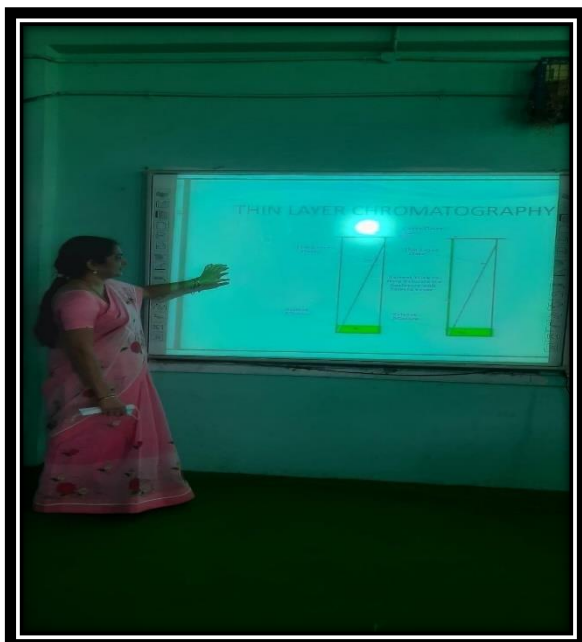
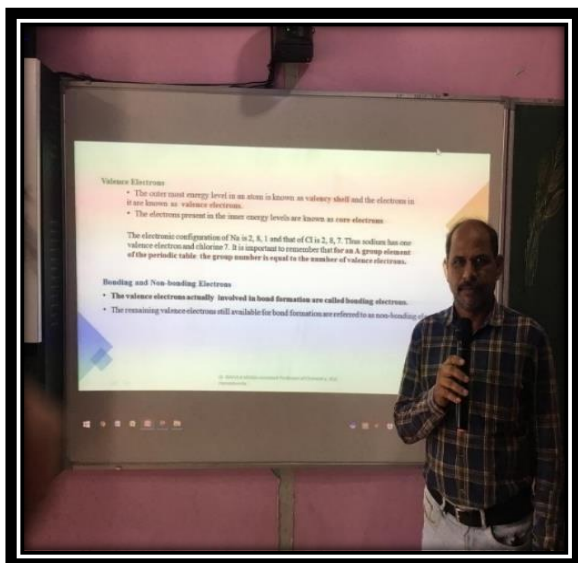
[Details of Faculty You Tube Channels](#) [Details of Faculty google Class rooms](#)

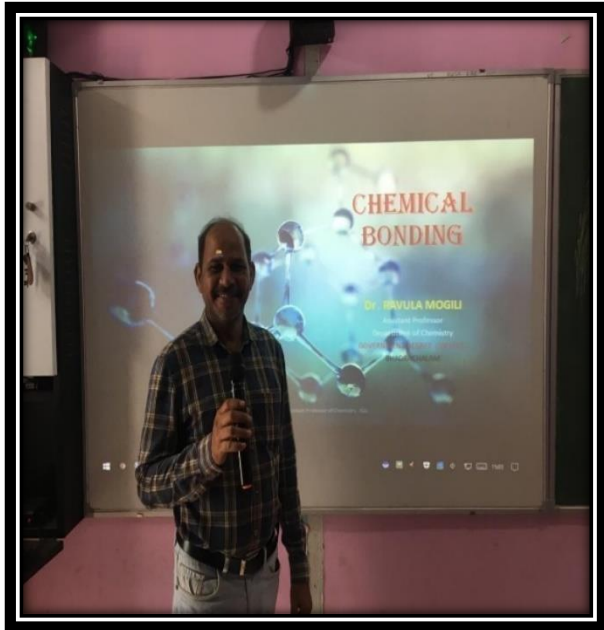
SL NO	TITLE	YOUTUBE LINK
1	COLUMN CHROMATOGRAPHY	https://youtu.be/HYkWt5bikVM
2	CARBONYL COMPOUNDS	https://youtu.be/ubIYcNpsBoo
3	CHROMATOGRAPHY	https://youtu.be/xwq6C81M3Kk
4	CHROMATOGRAPHY	https://youtu.be/j1y9VGN7zQw
5	HETEROCYCLIC COMPOUNDS PART-III	https://youtu.be/dvAaIBF32W8
6	HETEROCYCLIC COMPOUNDS PART-II	https://youtu.be/Hob03xtMLi8
7	HETEROCYCLIC COMPOUNDS PART-I	https://youtu.be/Qf1iNig_-Xw
8	AMINES PART-IV	https://youtu.be/dJfd9oT-Zwo
9	AMINES PART-III	https://youtu.be/rs3tLgkA-uc
10	AMINES PART-II	https://youtu.be/-J3X0x5Qa5k
11	AMINES PART -I	https://youtu.be/avVJWxklzaw
12	ISOMERISM IN COORDINATION COMPOUNDS PART-II	https://youtu.be/IPhWfHr7cuA
13	ISOMERISM IN COORDINATION COMPOUNDS PART-I	https://youtu.be/HHelME8Iu1g
14	VALENCE BOND THEORY PART-III	https://youtu.be/pDpUmSyeY68
15	VALENCE BOND THEORY PART-II	https://youtu.be/oiCpZWOzeWI
16	VALENCE BOND THEORY PART-I	https://youtu.be/t1vp_25Apfk
17	WERNER'S THEORY	https://youtu.be/wWtVtaOCIIY
18	CRYSTAL FIELD THEORY PART-II	https://youtu.be/V074fXDP02Y
19	CRYSTAL FIELD THEORY THEORY PART-I	https://youtu.be/Poj_hZOxZXY
20	CRYSTAL FIELD STABILIZATION ENERGY	https://youtu.be/gMBPbevbzpc
21	MAGNETIC PROPERTIES OF METAL COMPLEXES	https://youtu.be/JFIHKeHIjZo
22	Electronics spectroscopy	https://youtu.be/cMBEu6fGVg8

23	JABLONSKI DIAGRAM	https://youtu.be/x358ZFJK8k4
24	PHOTOCHEMISTRY	https://youtu.be/h2fgDKRXsTQ
25	PHOTOCHEMISTRY	https://youtu.be/7h9Hg5mLoKE
26	COLLISION THEORY AND TRANSITION STATE THEORY	https://youtu.be/kH5Jj_G7qwY
27	METHODS TO DETERMINE THE ORDER OF REACTION AND EFFECT OF TEMPERATURE ON REACTION RATE	https://youtu.be/BZlIvicdqwno
28	METHODS TO DETERMINE THE ORDER OF REACTION AND EFFECT OF TEMPERATURE ON REACTION RATE	https://youtu.be/EMK6KNFXNFs
29	SECOND ORDER REACTIONS	https://youtu.be/foB8N_BLnoU
30	FIRST ORDER REACTION	https://youtu.be/V7fjSgEI-84
31	CHEMICAL KINETICS	https://youtu.be/PPLTRP-VBoE
32	CHEMICAL KINETICS	https://youtu.be/a6rJTKJBKNU
33	COLUMN CHROMATOGRAPHY	https://youtu.be/HYkWt5bikVM
34	CARBONYL COMPOUNDS	https://youtu.be/ubIYcNpsBoo

S. No	TITLE	YOU TUBE LINK
1	Chromatography	https://youtu.be/Eu6rjuDBokU
2	DRUG CHEMISTRY	https://youtu.be/DAkhI6-Ja-4
3	SPECTROSCOPY	https://youtu.be/KAZKeW4N_Sc
4	UV VISIBL SPECTROSCOPY	https://youtu.be/TW_Ur_hoaqA
5	PEARSON THEORY	https://youtu.be/yX2G5mfwFcg
6	HSAB APPLICATIONS	https://youtu.be/LRVhRRWYjls
7	PHASE RULE -1	https://youtu.be/Kq5ifh--DFk
8	PHASE RULE-2	https://youtu.be/dahB6XK3krU
9	PHASE RULE-3	https://youtu.be/q4gysv5p-qc
10	PHASE RULE-4	https://youtu.be/IFx2GpN9Tmk
11	BAND THEORY	https://youtu.be/TUdxHggIWvs
12	STEREOCHEMISTRY-1	https://youtu.be/pBC4GjsQ1_k
13	STEREOCHEMISTRY	https://youtu.be/w2Cy2VISD_k
14	ACYCLIC HYDROCARBONS	https://youtu.be/AAo3e-jFNMo
15	BIO-INORGANIC CHEMISTRY 1	https://youtu.be/quoKqnPbwoM
16	BIO-INORGANIC CHEMISTRY 2	https://youtu.be/MLvmSekfEb8
17	TRANSITION METALS	https://youtu.be/_8yQDgN85VI

18	COMPLEX COMPOUNDS-1	https://youtu.be/MIKERu0G2684
19	COMPLEX COMPOUNDS-2	https://youtu.be/lbzv4xwDTSU
20	TOXICITY OF HEAVY METALS	https://youtu.be/y6Q7dsK7Q-o





STUDENT PERFORMANCE AND LEARNING OUTCOMES

RESULT ANALYSIS:

Evaluation Process and Reforms

- Academic and Examination Committee (AEC) prepares the timetables of internal examination and informs University examination schedule to the students.
- Two internal examinations per semester are conducted in the college and the answer scripts of the internal examination are evaluated by the faculty of the college within one week after completion of the examination.
- After evaluation of internal assessment tests, the answer scripts are distributed among the students for their self-assessment and to maintain transparency in evaluation.
- After self-assessment, students can place the objections/ grievances regarding score awarded to them before the faculty concerned.

GOVERNMENT DEGREE COLLEGE BHADRACHALAM		
CHEMISTRY RESULTS FINAL ANALYSIS		
	7TH PAPER	
	MPC	BZC
	CHEMISTRY	CHEMISTRY
GRADE O	-	23
GRADE A	15	16
GRADE B	04	-
GRADE C	01	-
TOTAL APPEARED	20	39
TOTAL PASSED	20	39
PASS %	100%	100%
OVERALL APPEARED	59	
OVERALL PASSED	59	
PASS %	100%	

GOVERNMENT DEGREE COLLEGE BHADRACHALAM

CHEMISTRY RESULTS FINAL ANALYSIS

8TH PAPER

	MPC	BZC
	CHEMISTRY	CHEMISTRY
GRADE O	-	05
GRADE A	12	34
GRADE B	03	-
GRADE C	05	-
TOTAL APPEARED	20	39
TOTAL PASS	20	39
PASS %	100%	100%
OVERALL APPEARED	59	
OVERALL PASSED	59	
PASS %	100%	

CHEMISTRY 2ND YEAR RESULTS ANALYSIS –OCT 2021

S/NO	GRADE O	GRADE A	GRADE B	GRADE C	GRADE D	GRADE E	FAIL	ABSENT	TOTAL
1	2	10	36	12	12	02	06	04	84
2	Appeared: 80		Pass: 74		Result: 92.5%				
3	Topper of the Chemistry : K.Renuka , R.Deepika (O GRADE)								

GOVERNMENT DEGREE COLLEGE , BHADRACHALAM				
U.G.CBCS SEMESTER II,IV OCT-2021 RESULT ANALYSIS				
	SEMESTER-04			
	MPC	MCCS	PCCS	BZC
	CHEMISTR Y	CHEMISTRY	CHEMISTRY	CHEMISTRY
O-GRADE	1	-	-	1
A-GRADE	2	-	-	8
B-GRADE	13	-	2	21
C-GRADE	4	-	-	8
D-GRADE	7	-	-	5
E-GRADE	1	1	-	-
F-FAILED	4	1	-	1
AB	-		-	4
	MPC	MCCS	PCCS	BZC
TOTAL APPEARED	32	2	2	44
TOTAL PASSED	28	1	2	43
PASS%	87.5%	50%	100%	97.7%
OVERALL APPEARED	80			
OVERALL PASSED	74			
PASS%	92.5			

BSC 1 ST YEAR CHEMISTRY RESULTS ANALYSIS –OCT 2021									
S/NO	GRADE O	GRADE A	GRADE B	GRADE C	GRADE D	GRADE E	FAIL	ABSENT	TOTAL
1	4	9	15	18	8	7	20	10	91
2	Appeared: 81		Pass: 68		Result: 84%				
3	Topper of the Chemistry : B.Divyasri , S.Vyshnavi , P.Keerthana, I.Susheela								

GOVERNMENT DEGREE COLLEGE , BHADRACHALAM

U.G.CBCS SEMESTER II OCT-2021 RESULT ANALYSIS

	SEMESTER-02		
	MCCS	MPC	BZC
	CHEMISTRY	CHEMISTRY	CHEMISTRY
O-GRADE	1	2	1
A-GRADE	3	4	2
B-GRADE	3	2	10
C-GRADE	-	4	14
D-GRADE	-	2	6
E-GRADE	-	-	7
F-FAILED	1	5	14
AB	-	3	7
	MCCS	MPC	BZC
TOTAL APPEARED	8	19	54
TOTAL PASSED	7	14	47
PASS%	87.5%	73.7%	87.03%
OVERALL APPEARED	81		
OVERALL PASSED	68		
PASS%	84%		

CRITERION III

Research, Innovation & Extension Activities

Ph.D REGISTERED FACULTY

GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT (GITAM)
(Deemed to be University)
Vizagapatnam | Hyderabad | Bangalore

1
GROUP
UNIVERSITY
RANK

Research Form - I
Joining Report of Ph.D program (2020-21)

Date: 19-Sep-2020

Application Number: 2020010139

Name of the Candidate: DCCEN BHADRACHALAM

Address: 5-1-10, SASANAKURUM STREET, SANNIDHIGARAH, MANGALURU

Mobile: 9440561000

Email: bhadra.dccen@gmail.com

Programme Category: Part-time Ph.D

Date of birth: 14-05-1982

Category: SC

Department: Chemistry

Ph.D. Fee Payment Date: 18-08-2020

Research Supervisor Name: Dr. Sushil Kumar Rao

Department: Chemistry

Signature of the Research Scholar: *(D. BHADRACHALAM)*

Signature of the Research Supervisor(s)

Signature of HOD

Research Admission Coordinator

Principal Director

BEST
BHARATIYA ENGINEERING, SCIENCE & TECHNOLOGY INNOVATION UNIVERSITY
(BESTU)
Guntur (ap), Guntur District, Sri Sairam Institute, Andhra Pradesh.
Established under Act No. 2 of 2010 of Gov. of Andhra Pradesh & Registered under Section 3(5) of the UGC Act, 1956.

Admit letter


Ref. No. BESTU/IC/PTPHDS/22-23 Date: 21/08/2022

Dear Mr/Ms. BANDI SUDHAKAR RAD

Regd No: 2022 PCHM042

Subject: Chemistry

Batch: 2022 - 2023



This is to inform you that you are provisionally admitted to part-time Ph.D. programme in Chemistry. You are asked to pursue course work under the guidance of the course instructor/guide allotted by our university.

You will be promoted to research work at the end of first year after successfully completing the Research Methodology and Pre-Ph.D. examination.

All the best for your research

(Sushil Kumar Rao)
Director of Research

Sponsoring body office at Bangalore : #15, IAT Building, Near Sri Ramakrishna Educational Institutions, Behind St Xavier's College, Queens Road, Bangalore - 560052
Info: info@bestu.edu.in www.bestu.edu.in Ph: 1800 419 0806

FACULTY OF SCIENCE, OSMANIA UNIVERSITY
PH.D. JOINING REPORT

1 Name of the Candidate: DHARADITHU VEERANNA
Phone No: 9494102214

2 Father's Name: HSEI

3 College/Institute at which the Candidate pursued to work: UNIVERSITY COLLEGE OF SCIENCE

4 Full-Time/Part-Time: Part-Time

5 Name of the Supervisor: Dr. J. Ramachandran

6 Email ID of Research Scholar: dhveeranna@gmail.com

7 Department: CHEMISTRY

8 State whether you belong to SC/ST/BC (AMBCODE) /DC: ST

9 Topic of Research: Synthesis, Characterization and Evaluation of cyclodextrin-microspheres to achieve of different hetero ring containing heterocyclic

The Dean, Faculty of Science

//Through Proper Channel

Ref: Orders No:564-DFS/OU/2018 Dt: 30-08-2018

Sr,

I am herewith submitting my joining report today i.e. on 12/09/2018

I have read the rules and regulations of the Ph.D. Course and I undertake to abide by them. I understand that my admission may be canceled, if the statements I made in my application are found to be false.

I have satisfied all conditions stipulated in my admission order and I am enclosing herewith the necessary certificates (if applicable).

LIST OF ENCLOSURES

1. D.D. No: 822041 Date: 10/09/2018 Amount: 2000/-

2. 822041

Signature of Supervisor: *(Dr. J. Ramachandran)*
Osmania University
OFFICE: RANK, GUNTOOR, GUNTUR

Signature of the Head of Institution in which Candidate Proposed to Work: *(Dr. Sushil Rao)*
PRINCIPAL
University College of Science
Osmania University
Hyderabad-500 007

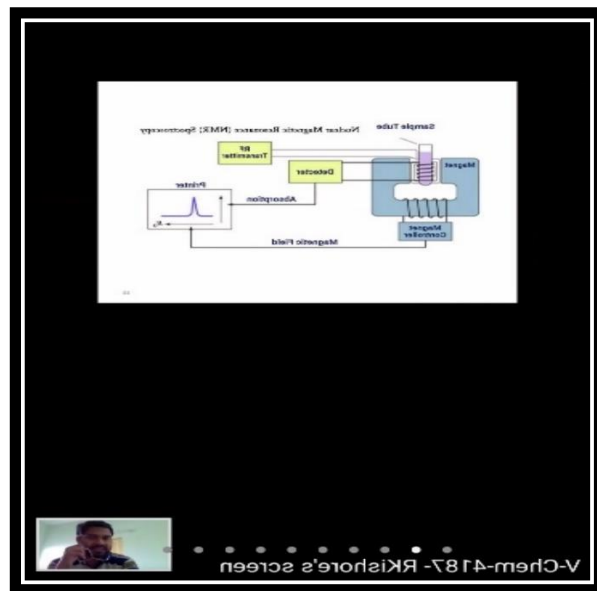
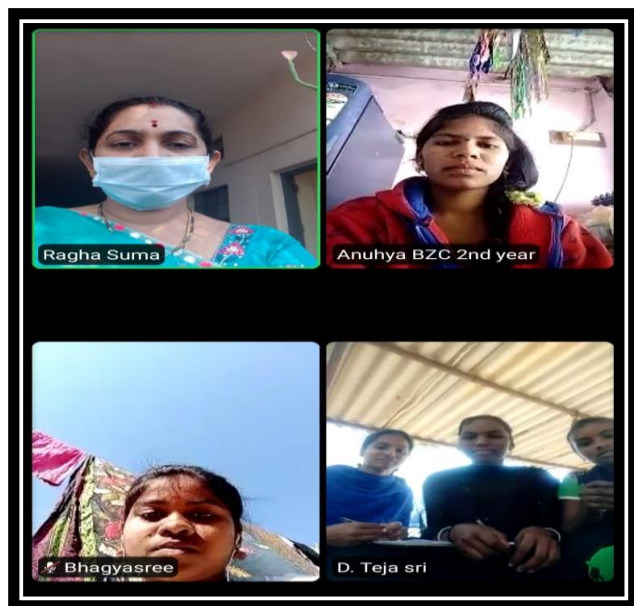
Signature of the Candidate: *(Dh. Veeranna)*
Signature of the Head of Institution: *(Dr. Sushil Rao)*
OF THE UNIVERSITY
Osmania University
Hyderabad-500 007

Signature of the Dean: *(Sushil Kumar Rao)*
SIGNATURE OF THE DEAN
Faculty of Science
Osmania University
Hyderabad-500 007

WORKSHOPS/SEMINARS CONDUCTED

SNO	WEBINAR TOPIC	YEAR	NO. OF STUDENTS PARTICIPATED
1	SUSTITUTION EFFECT ON TETRATHIOFULVALENE BASED DERIVITIVES APPLICATIONS IN SOLAR CELLS	2019-20	90
2	RESEARCH METHODOLGY	2022-23	96

WEBINAR TOPIC SUSTITUTION EFFECT ON TETRATHIOFULVALENE BASED DERIVITIVES APPLICATIONS IN SOLAR CELLS



WEBINOR ON

RESEARCH METHODOLOGY



**GOVERNMENT DEGREE COLLEGE
BHADRACHALAM**
NAAC B ACCREDITED COLLEGE. ISO 9001-2015 CERTIFIED

**NATIONAL WEBINAR ON
RESEARCH METHODOLOGY**



Organising Committee
V.RAGA SUMA
B.VENKATESWRA RAO
R NAGA RAJU

Technical Assistance
D SHARANYA TSKC Mentor

Key note speaker
Dr. Someshwar Pola M.Sc. Ph.D.
Assistant Professor
Department of Chemistry
Osmania University Hyderabad-500007,
Telangana State, India.
Mobile No: +91-9959972288
E-mail: somesh.pola@gmail.com

Patron
D.BHADRAIAH
Principal
GDC BHADRACHALAM

Participants get E-certificate

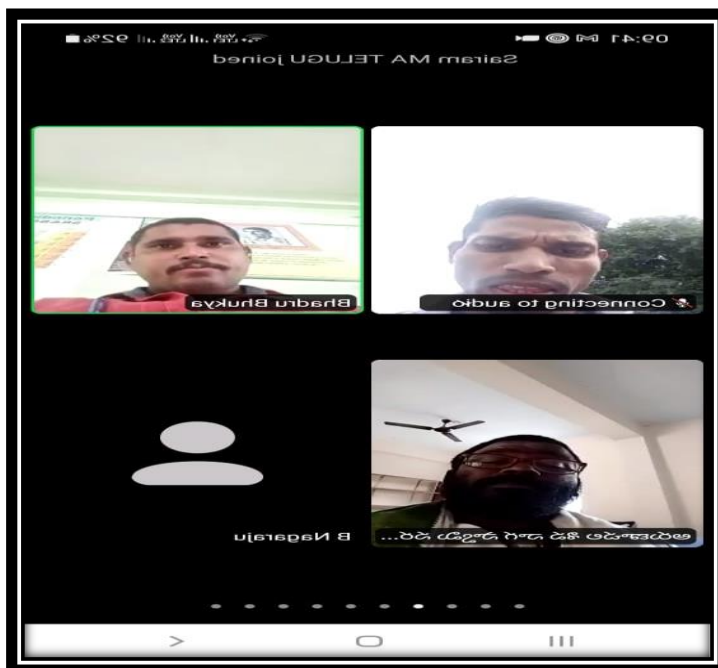
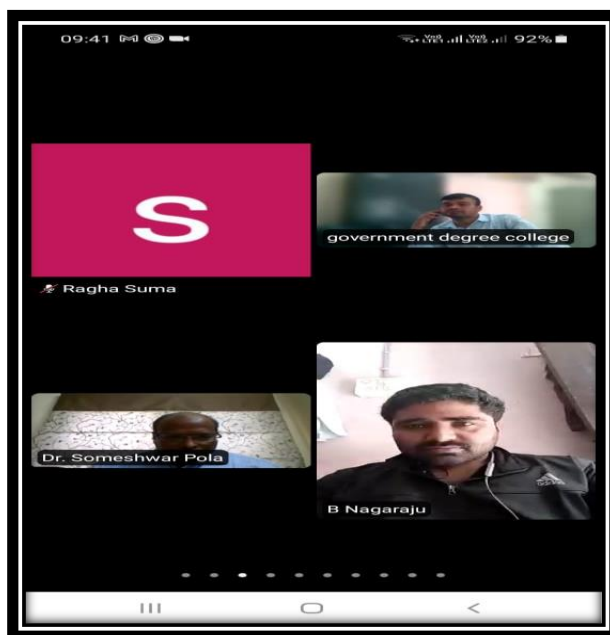
Convenor
D.VEERANNA
Asst Professor of Chemistry

Registration link
<https://forms.gle/3j8MgGQUKHUPENRaa>

Zoom link


<https://us05web.zoom.us/j/88200787163?pwd=aVdRbyYtbnRlL0pPMGV0Z0gxOVVmcnJLUt09>

Webinar Schedule 24-08-2022 9.30 AM



Research, Innovation & Extension
Teaching Quality

SNO	EVENT	NUMBER
1	Ph.D. HOLDERS	1
2	Ph.D. PURSUING	3
3	NET, SET HOLDERS	2
4	PUBLICATIONS	8

- Synthesis of 1,2,3-Triazole Tethered Indole Derivatives: Evaluation of Anticancer Activity and Molecular Docking Studies, **Dharmasothu Veeranna**, Lakavath Ramdas, Guguloth Ravi, Sushmitha Bujji, Vishnu Thumma, and Jadav Ramchander**ChemistrySelect* (2022) <https://doi.org/10.1002/slct.202201758>
- Synthesis, Characterization of Diethylamino benzylidene-5-methyl-2-phenyl-pyrazol-3-one substituted 1,2,3-triazoles and Evaluation of their Anti-Microbial Activity. , **Dharmasothu Veeranna**, Lakavath Ramdas, Guguloth Ravi, Anil Kumar Bojja and Ramchander Jadh Der *Pharma Chemica* (2023) Volume 15, Issue 1, DOI: 10.4172/0975-413X.15.1.13-20
- Synthesis, evaluation, and molecular docking studies of novel 1, 2, 3-triazole tethered indole hybrid derivatives as potent anti-cancer agents, **Dharmasothu Veeranna** , Lakavath Ramdas , Guguloth Ravi , Sushmitha Bujji , VishnuThumma , Jadhav Ramchander *
- Plasma Nitriding of CrMoV Steel for the Enhancement of Hardness and Corrosion Resistance **D. Bhadraiah**1 • Corinne Nouveau2 • K. Ram Mohan Rao1
- Enhancement of hardness of low alloy steel after low temperature plasma nitriding **D. Bhadraiah** a, C. Nouveau b, B. Veeraswami a, S. Lakshman a, K. Ram Mohan Rao a
- Plasma based nitriding of tool steel for the enhancement of hardness **D. Bhadraiah a**, B. Veeraswami a, K. Ram Mohan Rao
- Design, Synthesis, and Anticancer Activity of Amide Derivatives of Structurally Modified Combretastatin-A41 **V. Ragha Sumaa,b**, **R. Sreenivasuluc**, **M. Subramanyamd**, and **K. Ram Mohan Raoa***
- Design, synthesis, and biological evaluation of chalcone-linked thiazole-imidazopyridine derivatives as anticancer agents **Vellanki Ragha Suma**1,2 • Reddymasu Sreenivasulu3 • Mandava Venkata Basaveswara Rao4 • Madala Subramanyam5 • Mohamed Jawed Ahsan6 • Ramesh Alluri7 • Kuppili Ram Mohan Rao1

JIGNASA STUDY PROJECT

Our students participated in JIGNASA State level student study project competition and presented on **DETERMINATION OF VITAMIN C IN VARIOUS FRUITS AND VEGETABLES AND THE ROLE OF VITAMIN C IN COVID-19**



Awards & Recognitions:

S.no	Name of the faculty	Awards/ Recognitions	Year
1	D. BHADRAIAH	LIONS CLUB KGM BEST TEACHER	2018
	D. BHADRAIAH	HDFC BEST TEACHER	2019
1			
2	D. BHADRAIAH	STATE BEST TEACHER	2020
3			
4	D. BHADRAIAH	DISTRICT BEAT TEACHER AWARD	2021
5	D. BHADRAIAH	ACHARYA AWARD	2022



S.NO	Year	NAME OF THE PARTICIPANT	EVENT	WINNER / RUNNER
1	2021-2022	M.HARIKA	PAINTING	RUNNER
2	2021-2022	B. REVATHI	PAINTING	WINNER
3	2021-2022	B. DIVYASRI	VIDEO EDITING	WINNER
4	2021-2022	P. SOWMYA	VIDEO EDITING	RUNNER
5	2021-2022	P. SOWMYA	ESSAY WRITING	RUNNER
6	2022-2023	RAJA SHEKAR	PAINTING	WINNER



S.no	YEAR	DATE	TOPIC	RESOURCE PERSON
1	2016-2017	17-01-2017	SOLUTIONS	Sri.D.Bhadraiah
2	2017-2018	06-02-2018	THERMODYNAMICS	Sri.T.Venkata Reddy
3	2018-2019	02-04-2019	IMPORTANCE OF COORDINATION CHEMISTRY	Prof.N.Vasudeva Reddy BOS KAKATIYA UNIVERSITY
4	2019-2020	01-10-2019	NMR SPECTROSCOPY	Prof. J.Madhukar
5	2020-2021	18-03-2020	CHROMATOGRAPHIC TECHNIQUES	Prof.G.Brahmeswari
6	2021-2022	16/11/2021	METAL CARBOONYLES	Dr.J .Madhavi Asst.professor,SR college Kothagudem
7	2022-2020	21/12/2022	CHEMICAL KINETICS	PROF. T.SAVITHA JYOTSHNA
8	2022-2023	17/10/2022	IMPORTANCE OF CHEMISTRY IN PHARMA INDUSTRY	DR. CHINNA RAJU SENIOR SCIENTIST IICT, HYD
9	2022-2023	17/10/2022	CARBOHYDRATES	PROF. G. HANUMANTHU KAKATIYA UNIVERSITY

EXTENSION LECTURES



imsung Triple Camera
Ilanki Raha Suma

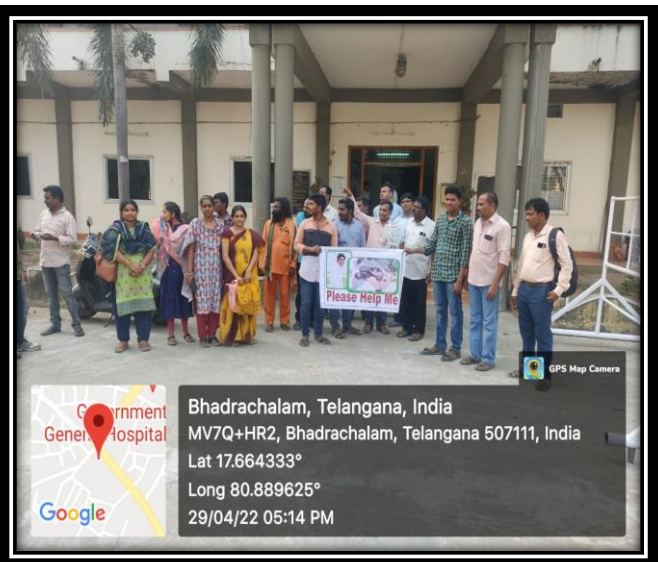
EXTENSION LECTURES DELIVERED BY OUR STAFF



NSS ACTIVITIES



SOCIAL SERVICE
BY OUR STAFF DURING FLOODS



COLLABORATION
MOU



CRITERIA-IV

INFRASTRUCTURE & LEARNING RESOURCES

1. Laboratory & Equipment:

Department of Chemistry has 3 Laboratories which have 30, 30, 30 and 25 Seating capacity respectively. These labs have adequate lab infrastructure to conduct practical for Students. The list of equipment, glassware and furniture given in the below tables.

List of Equipment

S.No	Name of the Equipment	Quantity
1	Colorimeter	9
2	Conductivity meter	5
3	Digital Conductivity meter	12
4	Conductivity Cell	17
6	PH meter	10
7	Melting point apparatus	1
1	Electronic balance	4
1	Stopwatches	18
2		
1	Burette stands	69
4		
1	Tripod stands	60
5		
1	Electrical water bath	2
6		
1	water bath	54
7		
1	Gas burners	55
8		
1	Test-tube holders	24
9		
2	Distilled water plant	1
0		
2	Hot Air oven	1
2		

List of Poly & Glassware

S.No	Name of the Glassware	Quantity
1	Beaker 1000ml (poly)	5
2	Beaker 500ml	6
3	Beaker 250ml	74
4	Beaker 100ml (poly)	20
5	Beaker 100ml	80
6	China dish	16
7	Pipette 20ml	211
8	Pipette 25ml	15
9	Pipette 10ml	60
10	Standard flask(250ml)	64
11	Conical flask 250 ml	140
12	Standard flask(500ml)	3
13	Standard flask(1000ml)	3
14	Standard flask(2000ml)	3
15	Burette	577
16	Standard flask(100ml)	100
17	Iodination flask	32
18	Funnel	119
19	Measuring Cylinder 10ml	8
20	Condenser	7
21	Desiccators	28
22	Measuring Cylinder 25ml	8
23	Measuring Cylinder 50ml	4
24	Measuring Cylinder 100ml	10
25	Filtering flask 1000ml	3
26	Dropping bottle with rubber	16
27	Glass Viscometer	12

28	Boiling tube	32
29	C-test tube	5
30	Bend connecting tube	9
31	mortar &piston	6
32	Separating funnel	18
33	Glass rod	17
34	Reagent bottles	670
35	Water bottle	61
36	Watch glass	100
37	test tube	200
38	Thermometer	37

List of Furniture

S.No	Name of the Item	Quantity
1	Almara (wooden &steel)	10
2	Wooden tools	40
3	Lecture tables with chairs	11

Department Library:

Department of Chemistry has a Library to cater the needs of the students those prepare for M.Sc. Chemistry through issuing PG entrance as well as Reference books. The books available for faculty and students are given in the table 4.4

Category of books

S.No	Category of Books	No
1	Reference Books	25
2	PG Entrance Books	1
3	Practical Manuals	3
4	Other Books	1

CRITERIA-V

STUDENT SUPPORT AND PROGRESSION

STUDENT SUPPORT

Department of Chemistry have been encouraging the students to pursue higher education in Chemistry by providing PG Entrance coaching and to get employability skills by engaging in TSKC Career guidance & Soft skills programs and organizing career awareness programs like Career opportunities in Chemistry.

SKILLS ENHANCEMENT INITIATIVES



టాస్క్ ఆధ్వర్యంలో విద్యార్థులకు శిక్షణ

అంబేద్కర్ సెంటర్, న్యూస్టుడె: భద్రాచలం ప్రభుత్వ డిగ్రీ, పీజీ కళాశాలలో విద్యార్థులకు తెలంగాణ అకాడమీ పర్ స్కిల్స్ అండ్ నాలెడ్జ్(టాస్క్) ఆధ్వర్యంలో శిక్షణ కార్యక్రమం సోమవారం ప్రారంభించారు. కళాశాలలో తృతీయ సంవత్సరం చదువుతున్న విద్యార్థులకు వివిధ అంశాలలో శిక్షణ ఇస్తున్నట్లు ప్రిన్సిపల్ భద్రయ్య పేర్కొన్నారు. సోమ, మంగళ రెండు రోజుల పాటు నిర్వహించే ఈ శిక్షణలో సాఫ్ట్ స్కిల్స్, ఇంటర్వ్యూ స్కిల్స్, రెస్యూమ్ రైటింగ్ వంటి పలు అంశాలు ఉంటాయని సమన్వయకర్త అంటోనీ డిసాజా తెలిపారు. వీరన్న, రంజిత్, కళాశాల అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

సమావేశంలో మాట్లాడుతున్న ప్రిన్సిపల్ భద్రయ్య

నమస్తే తెలంగాణ

పోటీ పరీక్షలపై విద్యార్థులకు అవగాహన


భద్రాచలం, నమస్తే తెలంగాణ మార్చి 5: భద్రాచలం ప్రభుత్వ డిగ్రీ-పీజీ కళాశాలలో టీఎన్కేసీ-టీఎన్కే ఆధ్వర్యంలో పోటీ పరీక్షలకు అవసరమైన అర్థమేటిక్, రీజనింగ్ అంశాలపై సులభమైన పద్ధతిలో రెండు రోజులపాటు విద్యార్థులకు బోధన చేశారు. గురువారం కళాశాల ప్రిన్సిపాల్ భద్రయ్య అధ్యక్షతన వహించిన ఈ కార్యక్రమానికి రీసోర్స్ పర్సన్ గా రాజేష్ విద్యార్థులకు అవగాహన కల్పించారు. కార్యక్రమంలో టీఎన్కేసీ నమన్వయకర్త డి వీరన్న, మెంటర్ రంజిత్ పర్యవేక్షణలో ఈ అవగాహన కల్పించారని ప్రిన్సిపాల్ తెలిపారు. కార్యక్రమంలో అధ్యాపకులు, విద్యార్థులు, సంస్థ సభ్యులు తదితరులు పాల్గొన్నారు.

టీఎన్కేసీ, టీఎన్కేసీ సంస్థ సభ్యులతో విద్యార్థులు

Date : 06/03/2020 EditionName : Bhadradri Kothagudem PageNo :

టాస్క్ ఆధ్వర్యంలో పోటీ పరీక్షల సులభస్పై అవగాహన

భద్రాచలం, మార్చి 5: భద్రాచలంలోని ప్రభుత్వ డిగ్రీ, పీజీ కళాశాల టాస్క్ ఆధ్వర్యంలో పోటీ పరీక్షలకు అవసరమైన అంశాలపై సులభమైన పద్ధతులను రెండు రోజులుగా విద్యార్థులకు బోధించారు. ప్రధానాచార్యులు అధ్యక్షత వహించిన కార్యక్రమంలో రిసోర్స్ పర్సన్ గా రాజేష్, సమన్వయకర్తగా డి.వీరన్న, టాస్క్ మెంబర్ రంజిత పర్యవేక్షించారు.

ఆంధ్రజ్యోతి Fri, 06 March 2020 
<https://epaper.andhrajyoti.com/c/48718330>

విద్యార్థులకు కంప్యూటర్ శిక్షణ

భద్రాచలం, ఫిబ్రవరి 5 (ప్రభుత్వం): స్థానిక ప్రభుత్వ డిగ్రీ, పీజీ కళాశాలలో తెలంగాణ అకాడమీ ఫర్ స్కిల్ అండ్ నాలెడ్జ్ ఆధ్వర్యంలో తృతీయ సంవత్సరం టీఎం చదువుతున్న విద్యార్థులకు కంప్యూటర్ ట్యాబ్లపై మూడు శిక్షణ అందించినట్లు కళాశాల ప్రెసిడెంట్ డి. భద్రయ్య తెలిపారు. శిక్షణ ముగింపు సందర్భంగా ఏర్పాటు చేసిన కార్యక్రమంలో ఆయన మాట్లాడుతూ మూడు రోజుల పాటు నిర్వహించిన కార్యక్రమంలో ట్యాబ్ల కోర్సులోని పలు అంశాలను విద్యార్థులకు అవగాహన కల్పించినట్లు తెలిపారు. తెలంగాణ స్టేట్ నాలెడ్జ్ సెంటర్ కళాశాల సమన్వయ అధికారి డి. వీరన్న, చైర్ ప్రెసిడెంట్ డి. రెడ్లయ్య, డి.వి.ఎం.ఎం.బి. రంజిత్రామ్ ఆధ్వర్యంలో టాస్క్ సమన్వయ కర్త రామకృష్ణ విద్యార్థులకు శిక్షణ ఇచ్చారు. ఈ కార్యక్రమంలో అధ్యాపకులు, విద్యార్థి, విద్యార్థులు పాల్గొన్నారు.

సాక్షి Thu, 06 February 2020 
<https://epaper.prabhanews.com/c/48718476>

పోటీ పరీక్షలపై విద్యార్థులకు అవగాహన

భద్రాచలం టాస్క్: పట్టణంలోని ప్రభుత్వ డిగ్రీ అండ్ పీజీ కళాశాలలో టీఎస్ కేసీ, టాస్క్ ఆధ్వర్యంలో పోటీ పరీక్షలకు అవగాహన కార్యక్రమాన్ని నిర్వహించారు. గురువారం పోటీ పరీక్షలకు అవసరమైన అర్థమెటిక్, రీజనింగ్ అంశాల్లో సులభమైన పద్ధతులను రెండురోజులుగా విద్యార్థులకు బోధించారు. ప్రెసిడెంట్ డి. భద్రయ్య అధ్యక్షత వహించిన ఈ కార్యక్రమంలో రిసోర్స్ పర్సన్ రాజేష్ విద్యార్థులకు అవగాహన కల్పించారు. కార్యక్రమానికి సమన్వయకర్తగా డి. వీరన్న, టీఎస్ కేసీ మెంబర్ రంజిత్రామ్ పర్యవేక్షకులుగా వ్యవహరించారు.

సాక్షి Fri, 06 March 2020 
<https://epaper.sakshi.com/c/496919>

బ్రహ్మముడి, తలంజూలు, వేప ఆశీర్వాదం నిర్వహించారు.

డిగ్రీ విద్యార్థులకు టాబ్లపై శిక్షణ




టాబ్లపై శిక్షణ ఇస్తున్న దృశ్యం

భద్రాచలం, ఫిబ్రవరి 5: భద్రాచలంలోని ప్రభుత్వ డిగ్రీ, పీజీ కళాశాలలో తెలంగాణ అకాడమీ ఫర్ స్కిల్ అండ్ నాలెడ్జ్ ఆధ్వర్యంలో తృతీయ సంవత్సరం చదువుతున్న టీఎం విద్యార్థులకు టాబ్ల సాఫ్ట్వేర్ పై మూడు రోజుల పాటు శిక్షణ ఇచ్చినట్లు కళాశాల ప్రధానాచార్యులు భద్రయ్య తెలిపారు. ఈ సందర్భంగా ముగింపు కార్యక్రమంలో పాల్గొన్న ప్రెసిడెంట్ మాట్లాడుతూ, ట్యాబ్ల కోర్సులోని అంశాలను విద్యార్థులకు శిక్షణ ఇచ్చామన్నారు. కార్యక్రమంలో తెలంగాణ స్టేట్ నాలెడ్జ్ సెంటరు కళాశాల సమన్వయ అధికారి డి.వీరన్న, చైర్ ప్రెసిడెంట్ డి. రెడ్లయ్య, డి. రంజిత్రామ్, టాస్క్ సమన్వయకర్త రామకృష్ణ పాల్గొన్నారు.

ఆంధ్రజ్యోతి Thu, 06 February 2020 
<https://epaper.andhrajyoti.com/c/48718330>

విద్యార్థులకు స్కిల్ డెవలప్ మెంట్ పై శిక్షణ

భద్రాచలం అరబ్ నెట్: భద్రాచలం పట్టణంలో స్థానిక ప్రభుత్వ పీజీ, డిగ్రీ కళాశాలలో తెలంగాణ అకాడమీ ఫర్ స్కిల్ అండ్ నాలెడ్జ్ ఆధ్వర్యంలో విద్యార్థులకు స్కిల్ అండ్ నాలెడ్జ్ పై శిక్షణ కార్యక్రమాలను రెండు రోజులు నిర్వహించారని కళాశాల ప్రధానాచార్యులు డి. భద్రయ్య తెలిపారు. ఈ కార్యక్రమాన్ని డి.వి.ఎం.ఎం.బి. రంజిత్రామ్ మాట్లాడుతూ రెండు రోజుల పాటు విద్యార్థులకు సాఫ్ట్వేర్, ఇంటర్నెట్ పై తెలంగాణ స్టేట్ నాలెడ్జ్ సెంటర్ కళాశాల సమన్వయ అధికారి వీరన్న, రంజిత్రామ్, టాస్క్ సమన్వయ కర్త ఆంటోని డి.సోజా విద్యార్థులకు శిక్షణ ఇవ్వడం జరిగిందన్నారు. ఈ కార్యక్రమంలో అధ్యాపకులు, విద్యార్థుని, విద్యార్థులు పాల్గొని విజయవంతం చేశారు.

సాక్షి Wed, 29 January 2020 
<https://epaper.sakshi.com/c/4845080>

2 ఆంధ్రజ్యోతి భద్రాచలం కొత్తనాడెం మంగళవారం, 28 జనవరి 2020 www.andhrajyoti.com భద్రాచలం

విద్యార్థులకు స్కిల్, నాలెడ్జ్ శిక్షణ ప్రారంభం



విద్యార్థులకు శిక్షణ కార్యక్రమం నిర్వహిస్తున్న దృశ్యం

భద్రాచలం టాస్క్, జనవరి 27: భద్రాచలం పట్టణంలోని ప్రభుత్వ డిగ్రీ మరియు పీజీ కళాశాలలో తెలంగాణ అకాడమీ ఫర్ స్కిల్ అండ్ నాలెడ్జ్ ఆధ్వర్యంలో విద్యార్థులకు స్కిల్ అండ్ నాలెడ్జ్ పై శిక్షణ కార్యక్రమాలను కళాశాల ప్రెసిడెంట్ డి. భద్రయ్య సోమవారం ప్రారంభించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ, రెండు రోజుల పాటు నిర్వహించిన ఈ కార్యక్రమంలో సాఫ్ట్వేర్, ఇంటర్నెట్ పై తెలంగాణ స్కిల్ అండ్ నాలెడ్జ్ సెంటర్ కళాశాల సమన్వయ అధికారి వీరన్న, రంజిత్రామ్, టాస్క్ సమన్వయకర్త ఆంటోని డి.సోజా విద్యార్థులకు శిక్షణ ఇచ్చామని ఆయన పేర్కొన్నారు. విద్యార్థులు ఈ అవకాశాన్ని సద్వినియోగం చేసుకోవాలని కోరారు.

భద్రాచలం వాసులకు Tue, 28 January 2020 
<https://epaper.andhrajyoti.com/c/48415145>

పోటీ పరీక్షలకు శిక్షణ



శిక్షణ కార్యక్రమం దృశ్యం

భద్రాచలం(టాస్క్), మార్చి 5 (ప్రభుత్వం): స్థానిక ప్రభుత్వ డిగ్రీ అండ్ పీజీ కళాశాలలో టీఎస్ కేసీ, టాస్క్ ఆధ్వర్యంలో పోటీ పరీక్షలకు సంబంధించిన అంశాలపై శిక్షణ ఇచ్చారు. అర్థమెటిక్, రీజనింగ్ అంశాలపై సులభమైన పద్ధతులను గత రెండు రోజులుగా విద్యార్థులకు బోధించారు. ప్రధానాచార్యులు అధ్యక్షత వహించిన ఈ కార్యక్రమానికి రిసోర్స్ పర్సన్ గా రాజేష్ విద్యార్థులకు అవగాహన కల్పించారు. ఈ కార్యక్రమంలో టీఎస్ కేసీ సమన్వయకర్త డి.వీరన్న, మెంబర్ రంజిత్రామ్ పర్యవేక్షణలో విద్యార్థులకు అవగాహన కల్పించారు.

ఆంధ్రజ్యోతి Fri, 06 March 2020 
<https://epaper.prabhanews.com/>

అంబేద్కర్ సెంటర్, న్యూస్ టుడే

▲ స్థానిక ప్రభుత్వం డిగ్రీ, పీజీ కళాశాలలో ప్రెసిడెంట్ భద్రయ్య అధ్యక్షతన విద్యార్థులకు పోటీ పరీక్షలపై గురువారం అవగాహన కల్పించారు. పోటీ పరీక్షలకు అవసరమైన అర్థమెటిక్, రీజనింగ్ వంటి అంశాలపై విద్యార్థులకు సందేహాలు నివృత్తి చేసినట్లు వారు పేర్కొన్నారు. విద్యార్థులు, అధ్యాపకులు పాల్గొన్నారు.

COMPETITIVE EXAMINATIONS AND CAREER COUNSELLING





FREE PG COACHING



AWARENESS PROGRAMME



STUDENT PROGRESSION

 **ESTD : 1980** 

ప్రభుత్వ డిగ్రీ & పి.జి. కళాశాల - భద్రాచలం
| తెలుగు/ఇంగ్లీష్ మీడియం | | కో-ఎడ్యుకేషన్ |

ఇంటర్మీడియట్ ఉత్తీర్ణులైన విద్యార్థిని,విద్యార్థులకు
విజెన్సిలోనే అణిపెద్ద ప్రభుత్వ డిగ్రీ కళాశాల స్వగతం పలుకుతుంది.
Department of Chemistry



V.SRI LAXMI HASITHA
JNTU CAMPUS

SRIKANTH
TELANGANA UNIVERSITY CAMPUS



P. MANEESHA
SHATHAVAHANA UNIVERSITY

Y. SHIRISHA
OU CAMPUS

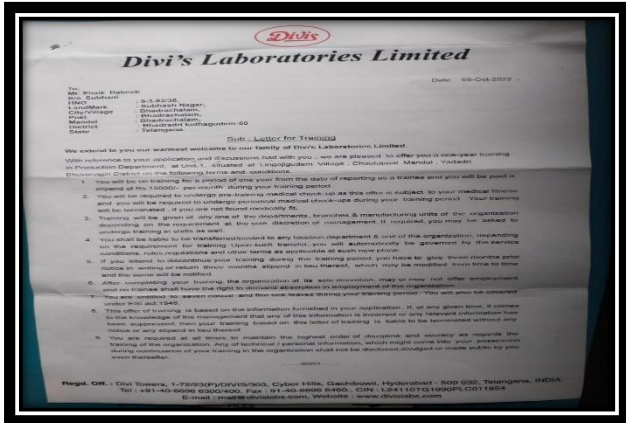
GOVERNMENT DEGREE COLLEGE, BHADRACHALAM

DEPARTMENT OF CHEMISTRY

STUDENT PROGRESSION DETAILS

YEAR	HALL TICKET NO	NAME OF THE STUDENT	COURSE	COLLEGE Admitted into P.G
2016-17	033-15-4012	D.Vinay kumar	MSc Chemistry	Govt Degree College ,BCM
2017-18	033-16-3420	K.Ramesh	MSc Chemistry	Sri Gayathri PG College, Hanamkonda
	033-16-4015	M.Bala vamshi	MSc Chemistry	Govt Degree College ,BCM
2018-19	033-17-3033	M.Lalitha	MSc Chemistry	Govt Degree College ,BCM
	033-17-3001	A.Bhargav	MSc Chemistry	Govt Degree College ,BCM
	033-17-3024	K.Samatha	MSc Chemistry	Govt Degree College ,BCM
	033-17-3002	A.Sai mounika	MSc Chemistry	Govt Degree College ,BCM
	033-17-3008	B.Manoj kumar	MSc Chemistry	Govt Degree College ,BCM
	033-17-3050	Y.Sri satya sai kumar	MSc Chemistry	Govt Degree College ,BCM
	033-17-3214	M.Srikanth	MSc Chemistry	Telangana University, Nizamabad
	033-17-4015	M.Poornima	MSc Chemistry	RJC ,Khammam
	033-17-4021	SK.Monishad	MSc Chemistry	Kavitha Memorial RJC ,Khammam
	033-17-4012	M.Mounika	MSc Chemistry	Govt Degree College ,BCM
2019-20	033-18-3011	G.Sarika	MSc Chemistry	Govt Degree College ,BCM
	033-18-3022	K.Sangeetha	MSc Chemistry	Govt Degree College ,BCM
	033-18-3025	MD.Ummea Hazia	MSc Chemistry	Govt Degree College ,BCM
	033-18-3030	P.Manisha	MSc Chemistry	Govt Womens College ,Karimnagar
	033-18-3041	B.Sri laxmi nasitha	MSc Chemistry	JNTU, Hyderabad
	033-18-3220	M.Keerthi	MSc Chemistry	Govt Degree College ,BCM
2020-21	033-19-3201	D.Vasanthi	MSc Chemistry	Govt Degree College ,BCM
	033-19-3211	P.Tharun	MSc Chemistry	Govt Degree College ,BCM
	033-19-3021	SK.Habeeb	MSc Chemistry	Govt Degree College ,BCM
	033-19-4113	S.Swathi	MSc Chemistry	Govt Degree College ,BCM
2021-22	033-20-4217	P.Sravani	MSc Chemistry	Govt Degree College ,BCM
	033-20-3204	B.Sri Vidya	MSc Chemistry	Govt Degree College ,BCM
	033-20-3240	R.Aishwarya	MSc Chemistry	Govt Degree College ,BCM

STUDENT PLACEMENTS



-అభినందించిన

అధ్యాపకులు

జాబ్ మేకలో ఎంపికైన ప్రభుత్వ పీజీ కళాశాల విద్యార్థులు

భద్రాచలం మనం హ్యాస్ సెట్లలోని ప్రభుత్వ కళాశాల నుండి 2018-20లో పీజీ ఫర్స్ట్ యేర్ కరణ విద్యార్థులు జాబ్ మేకలో ఎంపిక కావడం అధ్యాపకులు అభినందించారు. ఈ సందర్భంగా పీజీ కళాశాల ప్రధానాధ్యక్షులు డి.భద్రయ్య మాట్లాడుతూ జిల్లా కేంద్రం కొత్తరాజ్ నగర్ వేటింగ్ కాలనీలో అనుబంధ అధ్యక్షుల జేమ్స్ లెన్ స్ట్రీట్ కంపెనీ నిర్వహించిన జాబ్ మేకలో జి.కె.ఆర్.ఎం.ఎం.పీ.ఎం.వి.పాపి.పి.సాయిమణి కు ఎంపిక అయ్యారని వారిని కళాశాల కడుపున అభినందించాలి తెలుపుతున్నామని పేర్కొన్నారు. ఈ కార్యక్రమంలో అధ్యాపకులు డి.భద్రయ్య, డి.వీరప్ప, రాఘవం, కుమార్తెలు పాల్గొన్నారు.

per.mananews.com
మనం Fri, 26 November 2021
epaper.mananews.com/c/64578432

SI.NO	H.NO	NAME OF THE STUDENT	COUR SE	EMPLOYER	DESIGNATIO N
1	033-15-4102	B.Vinay kumar	BSc	SIDGS somajjiguda division Hyderabad	Java developer
2	033-16-3420	k.ramesh	BSc	Sms Life sciences	SMS life sciences employee
3	033-16-3427	P.Devaraj	BSc	Pan hr solutons	Loader executive
4	033-17-4010	K. Sandeep	BSc	Jaya Bharathi hospital	O.T assistant
5	033-17-3002	A.Sai Mounika	BSc	TPL	Post graduate program relationship manager
6	033-17-3008	M.Barla	BSc	Prime era pharma	chemist
7	033-17-4012	M.Mounika	BSc	Sri ram automobiles	Sales executive
8	033-7-4123	N.Navya Tej Varma	BSc	Amazon	Transaction risk investigator
9	033-17-4013	Md Sharmila	BSc	Teacher	Triveni school
10	033-17-4006	K.Sahithi	BSc	Good life	Good life executive
11	033-17-4022	V.Naveen	BSc	Honour lab limited	Jr chemist
12	033-18-4109	G.Sandeep	BSc	LG	Employe
13	033-17-3001	A.Krishna Bhargav	BSc	High court	Typist
14	033-18-4014	P.Pravallika Rani	BSc	Judicial Magistratre of first class court	Typist cum assistant

ALUMNI

The Department of Chemistry has been trying to maintain a healthy relationship with Alumni and make efforts to inspire fresh graduates through talking about their success stories as well as interaction with Alumni. Some of the Alumni details given in the below table

S.No	Name of the student	Employer	Designation
1	Dr.K.Satyanarayana	KDC Hanmakonda	Assistant professor in chemistry
2	A.Sreenu	Govt Degree College Bhadrachalam	Lecturer in zoology
3	P.Susmitha rajini	S.R College Kothagudem	Lecturer in English
4	Y.Satheesh kumar	Perumalla	Scientist
5	N.Naga Rekha Rani	Govt Degree College Bhadrachalam	Lecturer in maths
6	Ch .Venkateswarlu	Govt Degree College Jadcharla	Lecturer in chemistry
7	G. Pavani	Govt Degree College Bhadrachalam	Guest lecturer in seri culture

CRITERIA - VI**GOVERNANCE, LEADERSHIP AND MANAGEMENT****Institutional Vision and Leadership****DEPARTMENT MEETINGS**

Department meetings are conducted every month. Syllabus is distributed among the faculty members. Various curricular aspects like result analysis, programme outcomes, curricular activities, remedial teaching to slow learners, Co-curricular activities are discussed in the meeting.

STAFF COUNCIL:

Staff council is apex body of the college. Important issues related to curricular, co-curricular matters are discussed and decisions can be implemented. In-charge of every department is a member of the body. Incharge, Chemistry department is actively participating in the meetings.

ADDITIONAL RESPONSIBILITIES OF CHEMISTRY DEPARTMENT:

Every faculty is rendering services to the students by actively involving in additional responsibilities assigned to them which are given in the below given table

I. COMMITTEES RELATED TO TEACHING - LEARNING PROCESS

Sl.NO.	CRITERIAN	NAMES OF THE CONVENOR & MEMBERS	Designation
1	Academics, Admissions, House & University Exams	Sri.D.Veeranna	Member
2	Preparation & Implementation of Time Table	Sri.D.Veeranna	Convenor
3	Internal Academic Audit	.Sri.D.Veeranna	Member
4	Committee for Teaching Aids	5.Sri.Ragha Suma	Member

5	Library & Reading Room	9.Sri.D.Veeranna	Member
6	Games & Sports	1.Sri.D.Veeranna	Convenor
7	E - Class Room	5.Sri.D.Veeranna	Member
9			
11	Audio Visual Education	Sri.D.Veeranna	Convenor
13	Computer Labs	.Sri.D.Veeranna	Convenor
14	Restructured & Self Finance Courses	Sri.D.Veeranna	Convenor
15	P.G Courses	Sri D.Bhadraiah	Convenor
16	Value Education	Sri.D.Veeranna	Member
17	SDLCE	Sri.D.Veeranna	Convenor
II.COMMITTEES RELATED TO STUDENT WELFARE			
18	Students Counselling , Career Guidance & Placement Cell	Sri.D.Veeranna	Convenor
19	T.S.K.C	Sri.D.Veeranna	Convenor
20	Discipline	.Sri.D.Veeranna	Convenor
21	Grievance Redressal & Facilitation Committee	Sri.D.Veeranna	Member
22	SC, ST Cell	Sri.D.Veeranna	Member

		.Sri.D.Veeranna	Member
23	Prevention of Ragging		
		.Sri.D.Veeranna	Member
24	College Hand Book & Magazine		
		Sri.D.Veeranna	Convenor
25	College Website, GANANA (MIS) & Internet & Reprographic Centre		
		.D.Veeranna	Member
26	Furniture		
		.Sri.D.Veeranna	Member
27	Bus Passes		
		.Sri.D.Veeranna	Member
28	Scholarships		
		.Sri.D.Veeranna	Member
29	Gold Medals		
III. COMMITTEES RELATED TO CURRICULAR ACTIVITIES			
30	HARIVILLU Committee, Cultural Activities & Yuva Tharangam	Sri.D.Veeranna	Member
31	Gnanavedika		
		.Sri.D.Veeranna	Convenor
34	Rangasthala Vedika		
35	Sangeetha Nrutha Vedika		
		Sri.D.Veeranna	Convenor
		Smt. V.Ragha suma	Member
36	Vyayama Vedika (Physical Education)		
		.Sri.D.Veeranna	Member
	Samaia seva Vedika (Social		

37	Service/Responsibility Unit		
		Sri.D.Veeranna	Member
40	N.S.S Unit - I		
		Smt.V.Ragha Suma	Member
41	N.S.S Unit - II		
		Sri.D.Veeranna	Convenor
42	Swach Bharath & Campus Beautification Committee - I		
43	Swach Bharath & Campus Beautification Committee - II	Smt V.Ragha suma	Member
		Sri .D.Veeranna	Member
45	Haritha Haram & Eco Club		
		Smt V.Ragha suma	Member
47	Women Empowerment & Gender Sensitization		
IV. COMMITTEE RELATED TO ACADEMIC AND FINANCIAL ADMINISTRATION			
49	NAAC & I.Q.A.C	.Sri.D.Veeranna	Member
		.Sri.D.Veeranna	Member
50	UGC & RUSA		
		Sri.D.Veeranna	Member
51	DEC DRC		
		.Sri.D.Veeranna	Member
52	Special Fee		
		Sri.D.Veeranna	Member
53	Committee for Purchase		
		Sri.D.Veeranna	Member
54	Committee for Stationery & General Repairs		

V.COMMITTEE RELETED TO WWELFARE OF THE STAFF

55	Faculty Forum	Sri.D.Veeranna	Member
56	Committee for Internal Complaints	.Sri.D.Veeranna	Member
59	Science Association - 1 (Life Sciences)	D.Veeranna	Member
60	Science Association - 2 (Physical Sciences)	.Sri.D.Veeranna	Convenor

Faculty Empowerment Strategies**FACULTY PARTICIPATED IN RC, OC, FDP, SEMINARS, WORKSHOPS, AND WEBINARS Etc... 2016-2022**

Faculty of the Department is regularly attending the seminars, webinars, workshops, orientation and Refresher courses for Professional development.

S.No	Name of the Faculty	No of RC/OC /Seminars/Workshops/FDP/ Webinars
1	D.BHADRAIAH	30
2	D.VEERANNA	5
3	Dr. V. RAGA SUMA	15
4	N. HIMAJA	5
5	B. SUDHAKA RAO	

**Details Of the Training Courses Attended by
D.BHADRAIAH**

1. Attended and successfully completed NCC pre commission course from 22 nov 2004 to 19 feb 2005
2. Participated in the refresher course form July 18, 2008 to aug 7, 2008
3. Participated in the republic day parade 2008 conducted by the government of Andhra Pradesh under the argis of this college
4. Attended the 6-day orientation programme for the teachers of U.G colleges from 21-11-2011 to 26-11-2011
5. Attended and has successfully completed the NIC, Thodipuzha conducted by 18 Kerala Bn NCC Muvattupuzha from 19 dec 2009 to 30 dec 2009
6. Participated in the “workshop on physics practical’s at under graduate level held on 26th and 27th of February 2013
7. Received letter of appreciation
8. Received appreciation certificate4 from kothagudem club Balothsav from 07-11-2014 to 09-11-2014
9. Attended the all india bihar (gaya) held at gaya region from 3 dec 2014 to 10 dec 2014
10. Participated a paper entitled “emerging trends and challenges in chemical research “in association with Indian institute of chemical technology Hyderabad & royal society of chemistry London on 18th

& 19th dec 2015

11. Participated in national integration camp at nagrota from 15th oct 2016 to 26 oct 2016

12. Participated in balothsav from 10-11-2016 to 13-11-2016

13. Received best ANO Award certificate of 26th NCC day celebrations, Warangal group from 2016 to 2017

14. Participated in the national seminar on “the role of chemistry in human health and environment held on 27th and 28th January 2017

15. Participated in national integration camp-I of NCC directorate gujarath at Rajkot from 24 aug 2017 to 04 sep 2017

16. Participated as a member exhibit the titled JUDGE on the focal theme “Innovation for sustainable development organized on 28th to 30th nov 2017

17. Acted as supervisor for the student study project entitled “minerals available in fruits “on 30th dec 2017

18. Received certification of appreciation for creating awareness to the LIC agents and customers on 7th sep 2019

19. Succesfully completed the training programme orientation programme for public servants in the context of Telangana from 20-01-2019 to 23-01-2019

20. Received the certificate of appreciation on 5th sep 2019 on teachers’ day

21. Participated and presenting a paper titled “enhancement of hardness of low alloy steel” on 18th and 19th dec 2020

22. Participated and presenting a paper titled “effects of plasma nitriding on tool steel” on 18th and 19th dec 2020

23. Presented a paper entitled “effects of plasma nitriding on tool steel” on 8th and 9th mar 2021

24. Participated in international E-conference on molecules to materials for sustainability in XXI century held on 8th and 9th mar 2021

25. Successfully completed the training programme orientation on SDG-4 quality education for principals of govt degree college of CCE from 07-04-2021 to 09-04-2021

26. Participated in the two-week online workshop on “thin film and nanomaterials (IWTN-2021) from GITAM institute Vishakhapatnam from 09-08-2021 to 20-08-2021

27. Participated in the one-day workshop on quality enhancement practices in government degree colleges in telangana state on 20th sep 2021

28. Participated in the five-day faculty development program from 20-24 dec 2021 on rural academic leadership conducted by mahatma Gandhi national council of rural education (MGNCRE)

29. Participated in emerging trends in chemical and material science research (ETCMSR-2022) held

on 25th and 26th feb 2022 organized by department of chemistry

30. Received “BEST TEACHER” award from acharya educational trust Bhadrachalam.

Details Of the Training Courses Attended by

D.VEERANNA

31. Participated in a Refresher Course from 02.07.2013 to 23.09.2013 organized by Osmania University Hyderabad.

32. Participated in a 35th Orientation Programme from 04.01.2018 to 31.01.2018 organized by MANUU, Hyderabad

33. Participated in Online “Short Term Course on Science and Technology of Yoga and Meditation” organized by UGC- HRDC Hyderabad from 09.08.2021 to 14.08.2021

34. Participated in Online “Short Term Course on Sustainable Development Goals” organized by UGC- HRDC Hyderabad from 13.12.2021 to 18.12.2021

35. Participated in Online Refresher Course from 20.01.2022 to 03.02.2022 organized by Osmania University Hyderabad

Details Of the Training Courses Attended by

Dr. V. RAGHA SUMA

36. Participated in Two-Day National level online Faculty Development Program on “EMBEDDED IOT TECHNOLOGY” from 12-06-2020 to 13-06-2020 by St.Joseph’s Degree College, Kurnool, A.P.

37. Participated in Three days Faculty Development Program “Image Processing Segmentation and Neural Network, Health Awareness, Design Thinking” for Innovation from 13-06-2020 to 15-06-2020 by Matoshri Pratishtan Group of Institutions.

38. Participated in One Week National level online Faculty Development Programme on “Transforming Education with Industry 4.0” from 15-06-2020 to 20-06-2020 by Jaypee University of Information Technology, Himachal Pradesh.

39. Participated in a Two- Week National level online “Faculty Development Program on “Skill Development and Competency Enhancement for College Teachers” from 17.06.2020 to 30.06.2020 organized by Government Degree College, Parkal.

40. Participated in a One Week National level online Faculty Development Programme on “Digital Teaching Tools” from 29.06.2020 to 05.07.2020 organized by Government City College, Hyderabad.

41. Participated in a One Week National level online Faculty Development Programme on “Cyber Security” from 19-06-2020 to 24-06-2020 by Shreyas Institute of Engineering and Technology, Hyderabad

42. Participated in a One Week National level online Faculty Development Programme on “Tools for Online Teaching Learning and Evaluation” from 01-07-2020 to 06-06-2020 by School of Mathematical Science Swamy Ramanand Teerth Marathwada,University,Nanded

43. Participated in a One Week National level online Faculty Development Programme on “Sustainability of Institutions of Higher Learning in the context of COVID-19: Challenges & Perspectives” from 06-07-2020 to 11-07-2020 by Government Degree College, Narasampet.

44. Participated in a One Week National level online Faculty Development Programme on “PYTHON3.4.3” from 16-07-2020 to 22-07-2020 by SPOKEN TUTORIALS PROJECT IIT, BOMBAY Organised by BJR Government Degree College, Hyderabad.

45. Participated in a fifteen Days National level online Faculty Development Programme on “Hurdles and Solutions in Research in Avenues” from 13-07-2020 to 26-07-2020 by TARA Govt.Degree College, Sangareddy, Telangana.

46. Participated in a One Week National level online Faculty Development Programme on “ICT & Online

47. Teaching Tools” in Higher Education Institutions.from 26-07-2020 to 31-07-2020 by Pingle Govt.Degree College,Women,Warangal.

48. Participated in a Five-Day National level online Faculty Development Programme on “RESEARCH METHODOLOGY” From 27-07-2020 TO 31-07-2020 by Malla Reddy Engineering College for Women, Secunderabad.

49. Participated in a One Week National level online Faculty Development Programme on “The Role of a Teacher in Nation Building” from 03-08-2020 to 09-08-2020 by Keshav Memorial Institute of Commerce and Science,Hyderabad .

50. Participated in a Four Day National level online Faculty Development Programme on “Performing Experiments on Virtual Labs from 10-08-2020 to 14-08-2020 by BABA FARID College of Engineering and Technology,Pune.

Details Of the Training Courses Attended by

N. HIMAJA

51. Participated in the One Week Faculty Development workshop on “TEACHING AND LEARNING CHEMICAL SPECTROSCOPY THROUGH HANDS ON EXPERIENCE” organized by NIT, Warangal.

52. Participated in Webinar on the topic NMR SPECTROSCOPY, Organized by andra mahila sabha at OU, HYD.

53. Participated in a One Week workshop on “A RE-ORIENTATION TO THE RESTRUCTURED CBCS CURRICULUM” organized by department of chemistry at OU, HYD.

54. Participated in One Week National Level Faculty Development Programme on “Capacity Building &Skill Enhancement for Higher Education Teachers” from 20.07.2020 to 25.07.2020 organized by Indira Priyadarshini Govt. Degree College for Women, Nampally, Hyderabad.

55. One day National seminar on” THE ROLE OF SCIENCE AND TECHNOLOGY IN CONFRONTING ENVIRONMENTAL ISSUES” organized by NTR Govt.degree college,Mahabubnagar

CRITERION VII

INSTITUTIONAL VALUES AND BEST PRACTICES

Departmental Values and Social Responsibilities

1. An interaction with Young women on Women's Self defense 27.12.2019:

On 27.12.2019 “An Interaction with Young Women on Women’s Self Defense ”programme is organized by Department of Chemistry, Internal complaint Cell(ICC) & Women Empowerment Cell(WEC) NSS units in collaboration with “SI Ramadevi spoke with students about Women safety methods, laws & SHE team activities. She promised to protect women, if women inform them when they are in trouble. She said that girls must utilize all the ways and have to learn self-defense techniques also.. The principal of this college also brought awareness amongst students about their self-defense and duties & responsibilities



BEST PRACTICES

**BEST PRACTICE
NATURAL HOLI COLOURS PREPARATION**



BATHUKAMMA CELEBRATIONS



COVID-19 VACCINE AWARENESS PROGRAM



WORLD AIDS DAY



HARITHA HARAM



AZADI AMRUTH MAHOTSAV



SIGNIFICANT ACHIEVEMENTS

SIGNIFICANT ACHIEVEMENTS

Increase Student enrolment from

- Achieved good ranks in PG Entrance Examinations
- Some of the students got good placements

ACTION PLAN

- To visit IICT, Hyderabad.
- For more live study projects for the students.
- To provide more facilities in Laboratories for research.
- To obtain results in university examinations.