

# GOVT.DEGREE COLLEGE (Co-Ed) WANAPARTHY

## DEPARTMENT OF CHEMISTRY

### *Profile of the department*



**SUBMITTED TO**  
**NAAC PEER TEAM**  
**ON THEIR VISIT FROM**  
**22-12-2021 TO 23-12-2021**

**BY**  
**DEPARTMENT OF CHEMISTRY**

**GOVERNMENT DEGREE COLLEGE, WANAPARTHY - 509 103**

## IMPORTANCE OF CHEMISTRY:

Chemistry, a branch of physical science, is the study of the composition, structure, properties and change of matter. Chemistry is chiefly concerned with atoms and their interactions with other atoms - for example, the properties of the chemical bonds formed between atoms to create chemical compounds. As well as this, interactions including atoms and other phenomena—electrons and various forms of energy—are considered, such as photochemical reactions, oxidation-reduction reactions, changes in phases of matter, and separation of mixtures. Finally, properties of matter such as alloys or polymers are considered.

Chemistry is sometimes called "the central science" because it bridges other natural sciences like physics, geology and biology with each other. Chemistry is a branch of physical science but distinct from physics.

Chemistry is a big part of everyday life. We find chemistry in daily life in foods we eat, the air we breathe our emotions and literally every object we can see or touch. Many of the changes that occur in the world around us are caused by chemical reactions like cooking of food, the emotions that we feel are also as a result of chemical messengers known as neuro transmitters. So the study of chemistry is nothing but study life.

***OUR MOTTO IS***

**“ENTER TO LEARN LEAVE TO SERVE”**

## INTRODUCTION:

- The Department of CHEMISTRY was established since the very inception of the college in 1974 with under graduation course for the first time in this rural area.
- Later in 2004, to keep in pace with the growing demand of B.Sc. course, another section was sanctioned in English medium.
- In 2008 with a view to meet the demands of the P.G. course i.e. M.sc (organic chemistry), self-financed P.G. course was started. Later it was converted as PG Center wanaparthy under Palamuru University in the year of 2015.
- The Department has taken up some of the additional curriculum programmes like Guest Lectures, Extension Lectures, Field Trips, Group Discussions and Quiz's to enrich the student knowledge. The Department also provides the study projects to merit students and conduct the student seminars to improve their presentation skills. The Department is also giving additional coaching for students to get the admission into M.Sc., (chemistry) Course conducted by various universities.

### I. COURSES OFFERED:

At present, chemistry is offered in B.Sc. course with three combinations i.e.,

1. Chemistry -Physics- Mathematics - T/M & E/M
2. Chemistry-Botany-Zoology - E/M & T/M
3. Chemistry-Zoology-Bio-Technology E/M

### II. FACULTY PROFILE:

At present three (03) faculty members are working in this department. Among these one of the faculty K Ramesh is now pursuing PhD and other two faculties, G Kurumaiah and G Yadagiri Goud both have qualified with M.Phil. Degree .The faculty members are constantly updating themselves a modern method of teaching by attending various, seminars and workshops. The department provides excellent learning in chemistry through its dedicated faculty members by means of new teaching and learning methods. It's a matter of pride that students studied here have been highly placed in society.

S.No.	Name	Designation
1	K.Ramesh, M.Sc., NET, (PhD)	Asst. Prof. Of Chemistry & Head of the department
2	G.Kurumaiah, M.Sc., M.Phil.	Lecturer
3	V.Yadagiri Goud, M.Sc., Med., M.Phil.	Lecturer
4	Nagi	Sweeper

## K.RAMESH

### M.Sc, NET, (PhD)

- Completed "M.Sc." from "Osmania University Campus" with "*Physical chemistry*" specialization.
- Have 10 years of undergraduate teaching experience.
- Doing his Ph.D. work in Department of Chemistry, Palamuru University, under the guidance of Dr. Md. Noorjahan.



S.No	Name of the Activity	Date	Place/College/Institute
1	a) Refresher course b) Orientation course c) Refresher course	22-08-2013 to 11-09-2013 12-11-2014 to 02-12-2014 22-11-2021 to 04-12-2021	HCU, Hyderabad. MAULANA AZAD NATIONAL URDU UNIVERSITY-HYD. UGC-HRDC, O.U. HYDERABAD
2	6-day induction training programme, conducted by CCE.	26.12.2011 to 31.12.2011	Kakatiya Degree College, Warangal
3	Online One Week FIP Short-term Course on ICT Tools in Higher Education	27-08-2020 to 02-09-2020	UGC-HRDC-RUSA, Organized by Osmania University
4	One Week Online Short-term Course on "Modern Methods in Organic Synthesis and Analytical Techniques"	30-08-2021 to 06-09-2026	UGC-HRDC, Organized by JNTUH-Hyderabad.
5	4- Day & 3-Day(Level-2) Introductory workshop on and "Human Values and Professional Ethics"	09-12-2014 to 12-12-2014 & 14-11-2016 to 16-11-2016	IIIT, Hyderabad
6	Organized as Convener RUSA & TSCHE Sponsored One-Day National Seminar RACS-2020	11-01-2020	Govt. Degree college (Co-ed), Wanaparthy
7	Attended National Seminars / Work Shops	From 26-12-2011 to Till Date Total = 11	Organized different Universities & Colleges
8	Under my Guidance Students Participated STATE LEVEL JIGNASA Projects-2018 & 2020	18 <sup>th</sup> , 26 <sup>th</sup> January -2018 & 08-02-2020	CCE, Hyd, Telangana State. & GOVT. CITY COLLEGE (A), HYDERABAD
9	Act as jury member in District level INSPIRE Exhibition-2015.	25-08-2015 to 27-08-2015.	At Dr.A.P.J.Abdul Kalaam premises, S.F.S.High School, Ballepally, Khammam.
10	Participated National level E-Quiz	From 2020 to till date Total = 8	Organized different Universities & Colleges
11	Participated STATE LEVEL YUVATARANGAM-2018 on "STORY WRITING, EULACUTION	February -2019	conducted by SR&BGNR GOVT ARTS & SCIENCE COLLEGE (A), Khammam Dist

## G.KURUMAIAH

M.Sc, M.Phill.



- Completed "M.Sc." from "Osmania University" with "*Organic chemistry*" specialization.
- Have **23 years** of undergraduate teaching experience.
- Completed "M.Phill" degree from "Periyar university" at Tamilanadu.
- Participated one day National seminar on "Recent trends in biodiversity in India-2011" conducted "by govt. degree college wanaparthy -2011.
- Organized Committee member in one day National Seminar on "Recent Advances in Chemical Science-2020" on January 11<sup>th</sup> 2020.
- NSS Coordinator.
- Member in admission committee.
- Member in Yuvatharangam committee.
- Member in time table committee.
- Member in career guidance committee.

## V.YADAGIRI GOUD

M.Sc., M.Ed., M.Phil.



- Completed M.Sc. at “*Kakathiya University*” with “*Organic Chemistry*” as specialization in the year of 2005.
- Have 17 years undergraduate teaching experience.
- Completed M.Phil. Degree from “*Periyar University*”, Tamilanadu.
- Completed M.Ed. degree from “*Royalaseema University*”.
- Guided two student study projects.
- Organized Committee member in One day National Seminar on “Recent Advances in Chemical Science-2020” on January 11<sup>th</sup> 2020.
- Member in Various College Committees.
- Mentor for B.Sc.(BZC) – I year.
- Member in examination branch.
- Member in NSS (Unit-I).
- Member in admission committee.
- Member in anti ragging committee.
- Member in culture activity committee.

## TIME TABLE :: 2021-2022

THEORY:

Day	Class	I	II	III	IV	V	VI
Monday	Ist YEAR		BZC (YG&KR) MPC (GK)				
	IIInd YEAR				BZC(YG&KR) MPC (G.K)		
	IIIrd YEAR			BZC(YG&KR) MPC(G.K)			
Tuesday	Ist YEAR		BZC (YG&KR) MPC(GK)				
	IIInd YEAR				BZC(YG&KR) MPC(GK)		
	IIIrd YEAR			BZC (YG&KR) MPC(GK)			
Wednesday	Ist YEAR						
	IIIndYEAR		BZC (YG&KR) MPC(YG)				
	IIIrd YEAR			BZC(YG&KR) MPC(YG)			
Thursday	Ist YEAR						
	IIIndYEAR					SEC(YG) SEC(GK)	
	IIIrd YEAR						
Friday	Ist YEAR				BZC(GK) MPC(YG)		
	IIIndYEAR						
	IIIrd YEAR						
Saturday	Ist YEAR				BZC (GK&KR) MPC(YG)		
	IIIndYEAR					BZC (YG&KR) MPC(YG)	
	IIIrd YEAR	BZC(GK) MPC(YG)					

**PRACTICAL:**

Day	Class	I	II	III	IV	V	VI
Monday	Ist YEAR				1 <sup>st</sup> MPC GK		
	IIInd YEAR						
	IIIrd YEAR						
Tuesday	Ist YEAR				1 <sup>st</sup> BZC E/M (YG&KR)		
	IIInd YEAR						
	IIIrd YEAR						
Wednesday	Ist YEAR				1 <sup>st</sup> BZC T/M (YG&KR)		
	IIIndYEAR						
	IIIrd YEAR						
Thursday	Ist YEAR						
	IIIndYEAR	II MPC (GK)					
	IIIrd YEAR				III MPC (YG)		
Friday	Ist YEAR						
	IIIndYEAR	II BZC E/M (YG&KR)					
	IIIrd YEAR				III BZC E/M (GK&KR)		
Saturday	Ist YEAR						
	IIIndYEAR	II BZC T/M (KR)					
	IIIrd YEAR				III BZC T/M (YG&KR)		

**STUDENT STRENGTH PARTICULARS:**

➤ The following is the strength and Social Status of the Students:

**Academic Year: 2014 - 2015**

Sl.No	Year	Medium	BOYS	GIRLS	BC		SC		ST		OC		Minority		Total
					B	G	B	G	B	G	B	G	B	G	
1	I	TM&EM	165	21	100	12	52	5	5	2	6	1	1	2	186
2	II	TM&EM	209	38	101	27	86	9	6	1	4	0	2	3	247
3	III	TM&EM	178	31	104	11	53	14	16	3	4	3	2	0	209
<b>Total</b>			<b>552</b>	<b>90</b>	<b>305</b>	<b>50</b>	<b>191</b>	<b>28</b>	<b>27</b>	<b>6</b>	<b>14</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>642</b>



**Academic Year : 2015 - 2016**

Sl.No.	Year	Medium	BOYS	GIRLS	BC		SC		ST		OC		Minority		Total
					B	G	B	G	B	G	B	G	B	G	
1	I	TM&EM	142	87	84	39	42	29	8	4	6	5	1	10	229
2	II	TM&EM	135	33	64	12	59	10	7	3	6	2	2	2	168
3	III	TM&EM	168	47	80	32	68	12	17	1	1	0	2	2	215
<b>Total</b>			<b>445</b>	<b>167</b>	<b>229</b>	<b>83</b>	<b>169</b>	<b>51</b>	<b>32</b>	<b>8</b>	<b>13</b>	<b>7</b>	<b>5</b>	<b>14</b>	<b>612</b>

**Academic Year: 2016 - 2017**

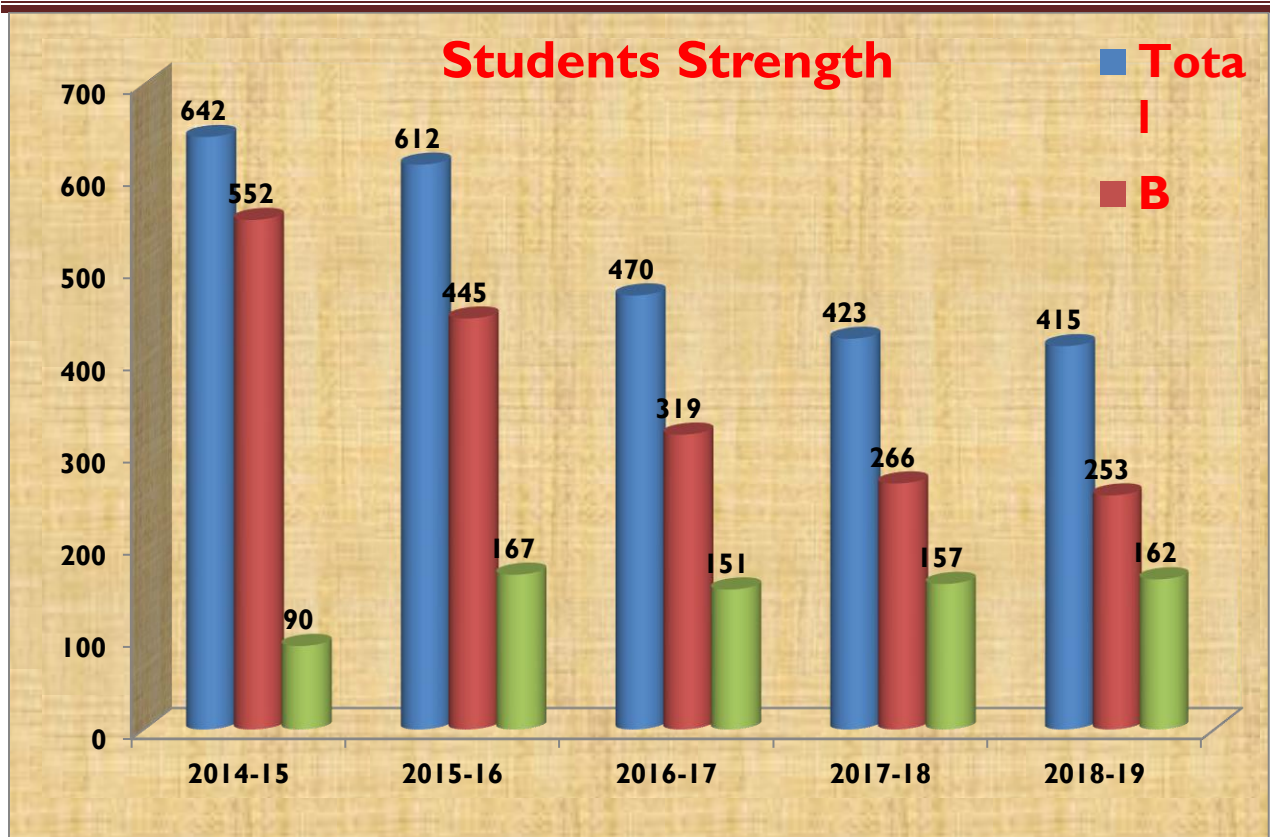
Sl.No	Year	Medium	BOYS	GIRLS	BC		SC		ST		OC		Minority		Total
					B	G	B	G	B	G	B	G	B	G	
1	I	TM&EM	112	60	62	43	35	6	9	6	0	0	4	4	172
2	II	TM&EM	98	54	65	17	20	24	10	7	3	3	6	3	152
3	III	TM&EM	109	37	55	14	32	10	12	6	7	4	3	3	146
<b>Total</b>			<b>319</b>	<b>151</b>	<b>182</b>	<b>74</b>	<b>87</b>	<b>40</b>	<b>31</b>	<b>19</b>	<b>10</b>	<b>7</b>	<b>13</b>	<b>10</b>	<b>470</b>

**Academic Year: 2017 - 2018**

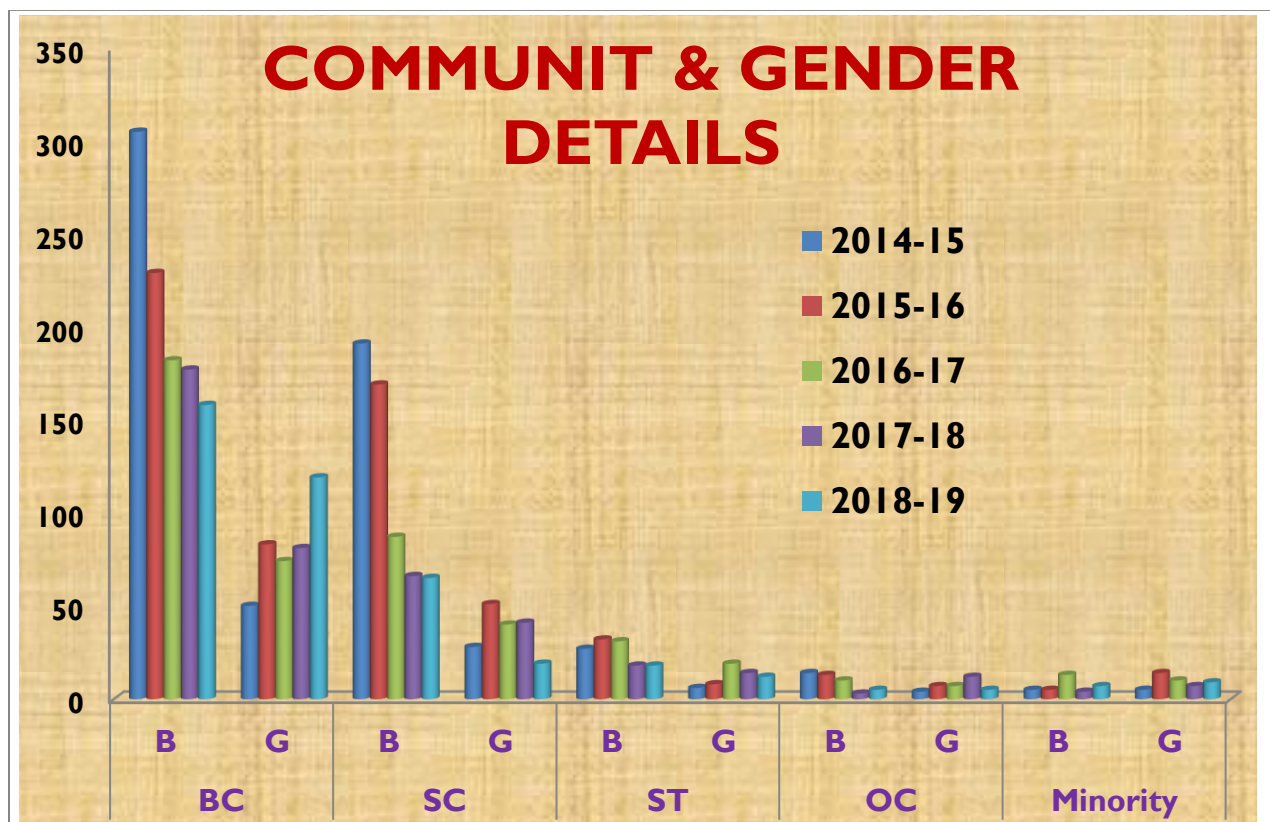
Sl.No	Year	Medium	BOYS	GIRLS	BC		SC		ST		OC		Minority		Total
					B	G	B	G	B	G	B	G	B	G	
1	I	TM&EM	93	68	66	37	18	17	7	5	2	4	2	3	161
2	II	TM&EM	84	38	53	25	23	6	7	4	0	3	1	0	122
3	III	TM&EM	89	51	58	19	25	18	4	5	1	5	1	4	140
<b>Total</b>			<b>266</b>	<b>157</b>	<b>177</b>	<b>81</b>	<b>66</b>	<b>41</b>	<b>18</b>	<b>14</b>	<b>3</b>	<b>12</b>	<b>4</b>	<b>7</b>	<b>423</b>

**Academic Year: 2018 - 2019**

Sl.No	Year	Medium	BOYS	GIRLS	BC		SC		ST		OC		Minority		Total
					B	G	B	G	B	G	B	G	B	G	
1	I	TM&EM	117	65	79	52	24	7	9	3	3	0	2	2	182
2	II	TM&EM	61	54	39	36	16	8	2	4	2	2	2	4	115
3	III	TM&EM	75	43	40	31	25	4	7	5	0	3	3	0	118
<b>Total</b>			<b>253</b>	<b>162</b>	<b>158</b>	<b>119</b>	<b>65</b>	<b>19</b>	<b>18</b>	<b>12</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>415</b>



**COMMUNITY & GENDER DETAILS:**

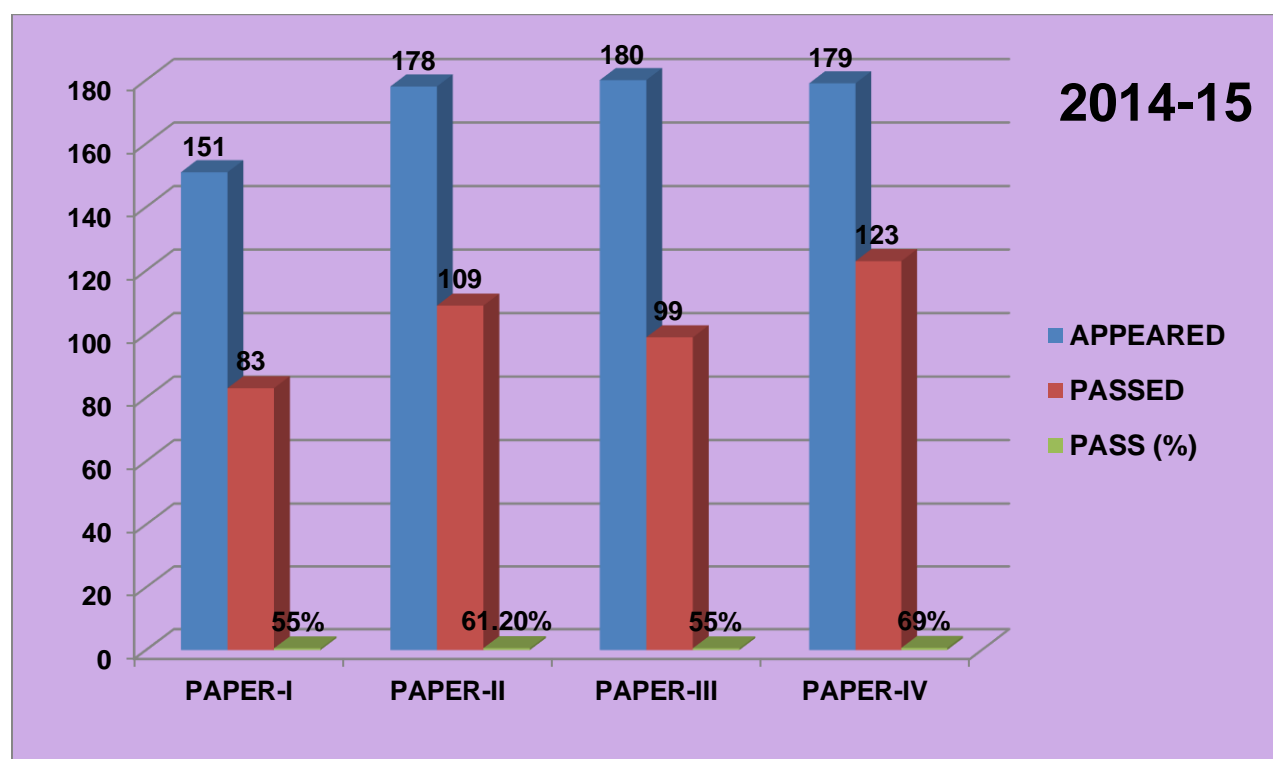


## RESULT ANALYSIS:

### Result 2014-2015:

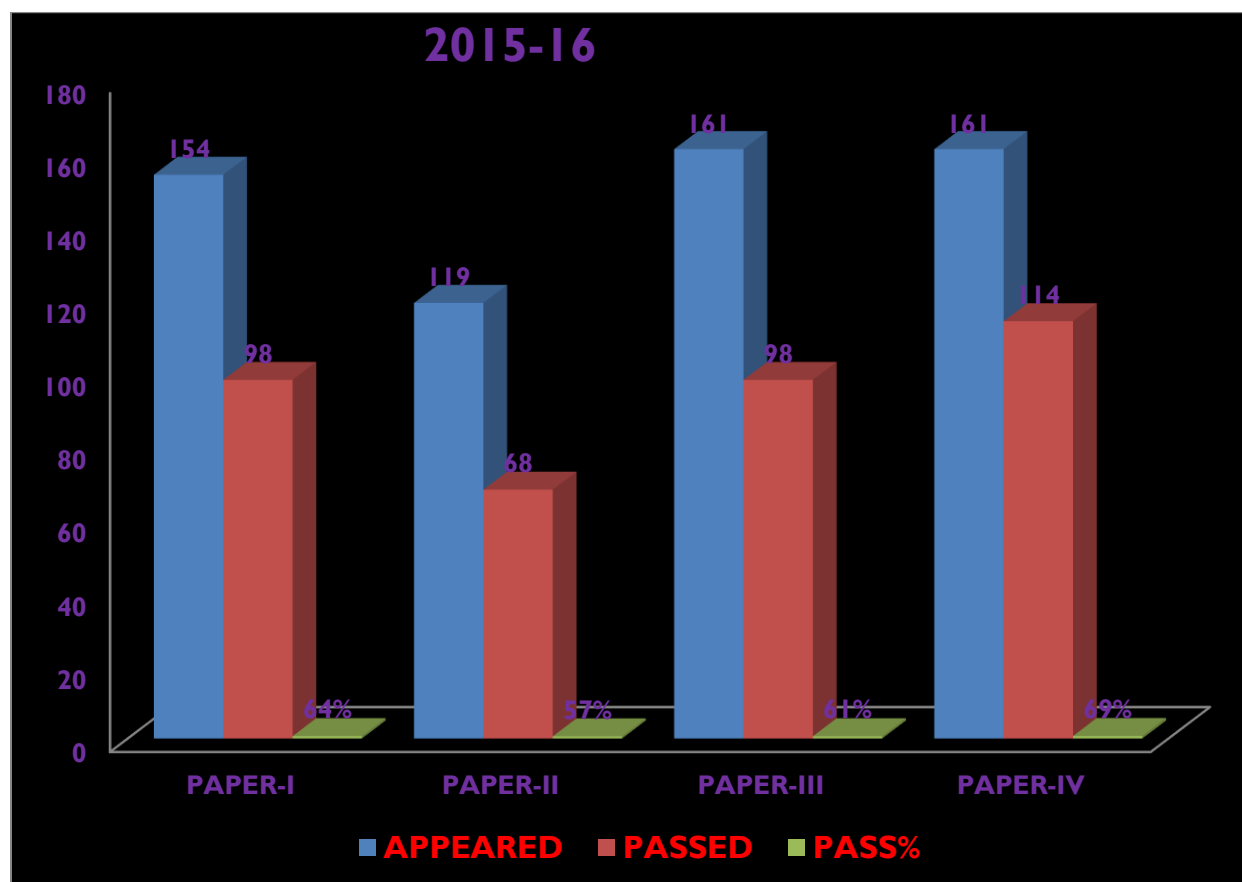
PAPER	APPEARED	PASSED	PASS%
PAPER-I	151	83	55%
PAPER-II	178	109	61.20%
PAPER-III	180	99	55%
PAPER-IV	179	123	69%

### Graphical representation:



Result 2015-2016:

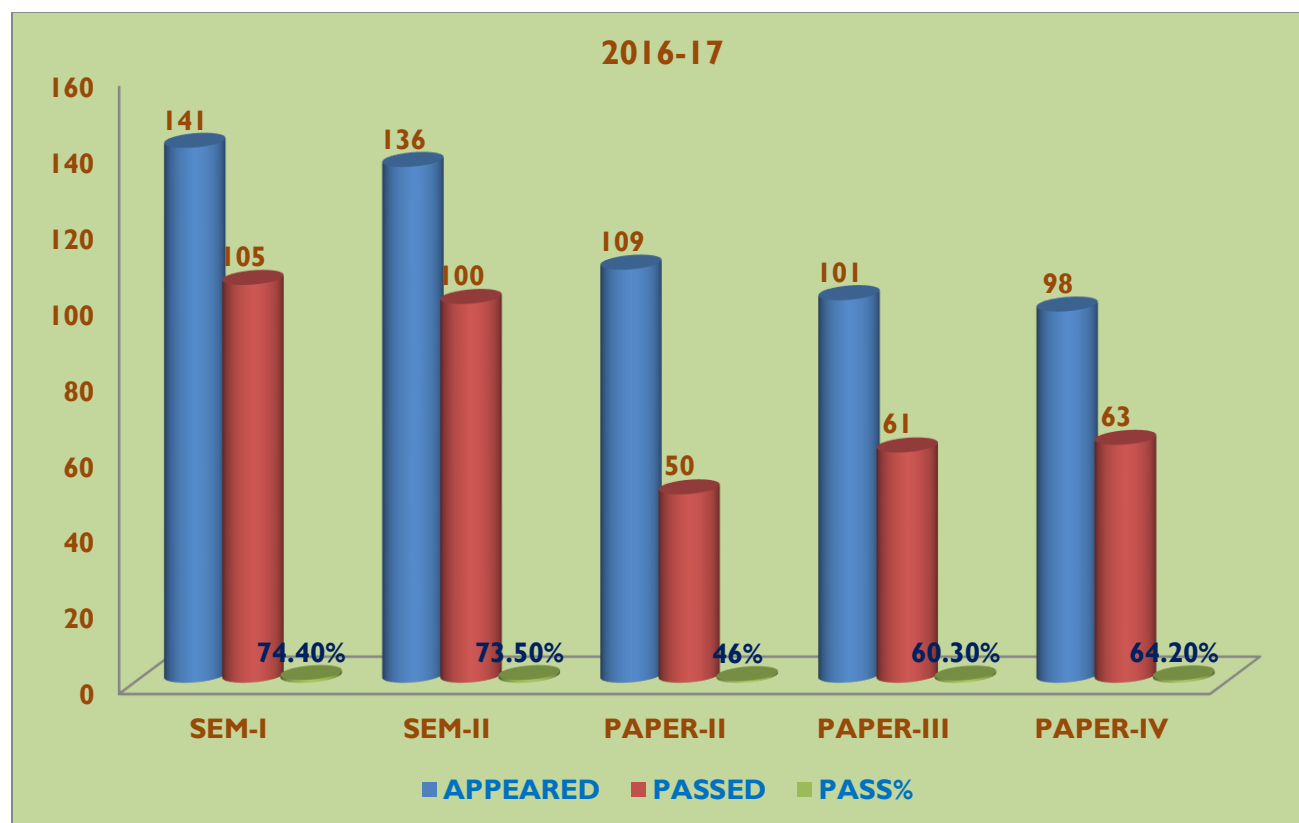
PAPER	APPEARED	PASSED	PASS%
PAPER-I	154	98	64%
PAPER-II	119	68	57%
PAPER-III	161	98	61%
PAPER-IV	161	114	69%

Graphical representation:

Result 2016-2017:

PAPER	APPEARED	PASSED	PASS%
SEM-I	141	105	74.4%
SEM-II	136	100	73.5%
PAPER-II	109	50	46%
PAPER-III	101	61	60.3%
PAPER-IV	98	63	64.2%

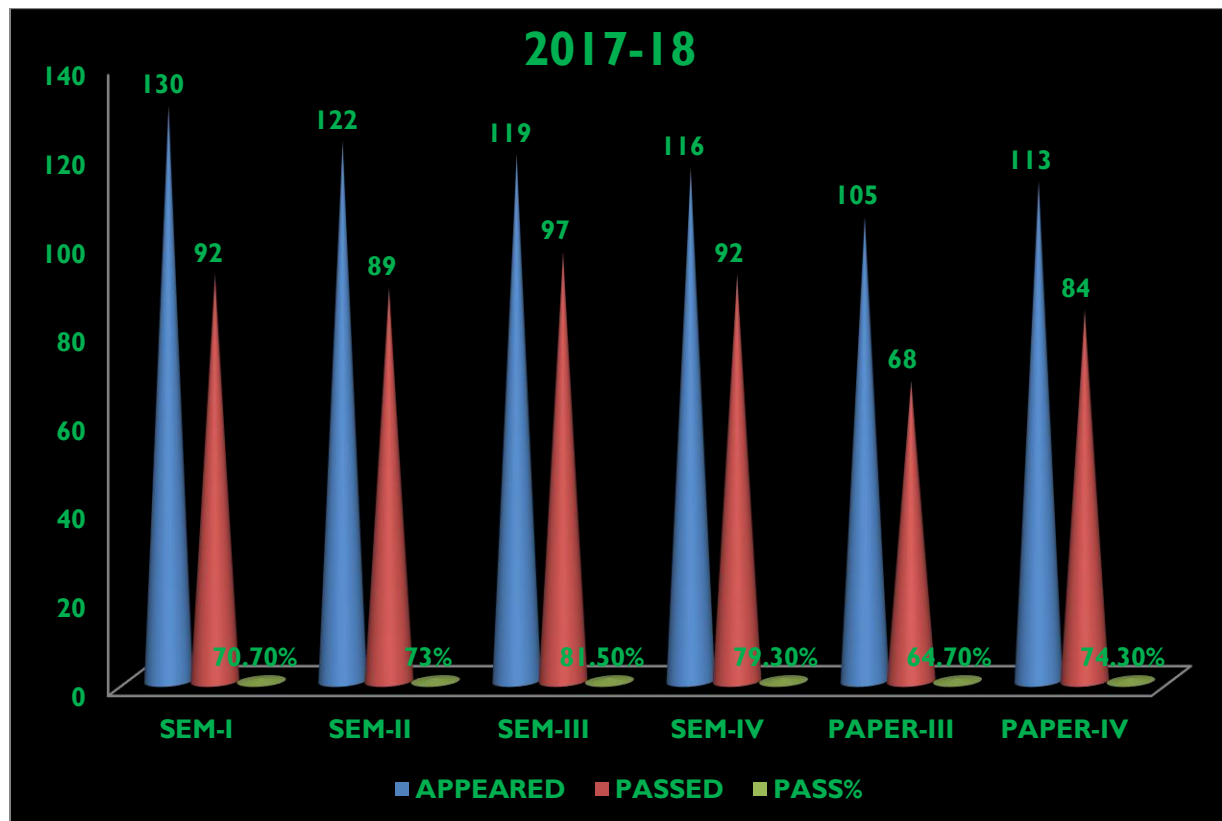
Graphical representation:



Result 2017-2018:

PAPER	APPEARED	PASSED	PASS%
SEM-I	130	92	70.7%
SEM-II	122	89	73%
SEM-III	119	97	81.5%
SEM-IV	116	92	79.3%
PAPER-III	105	68	64.7%
PAPER-IV	113	84	74.3%

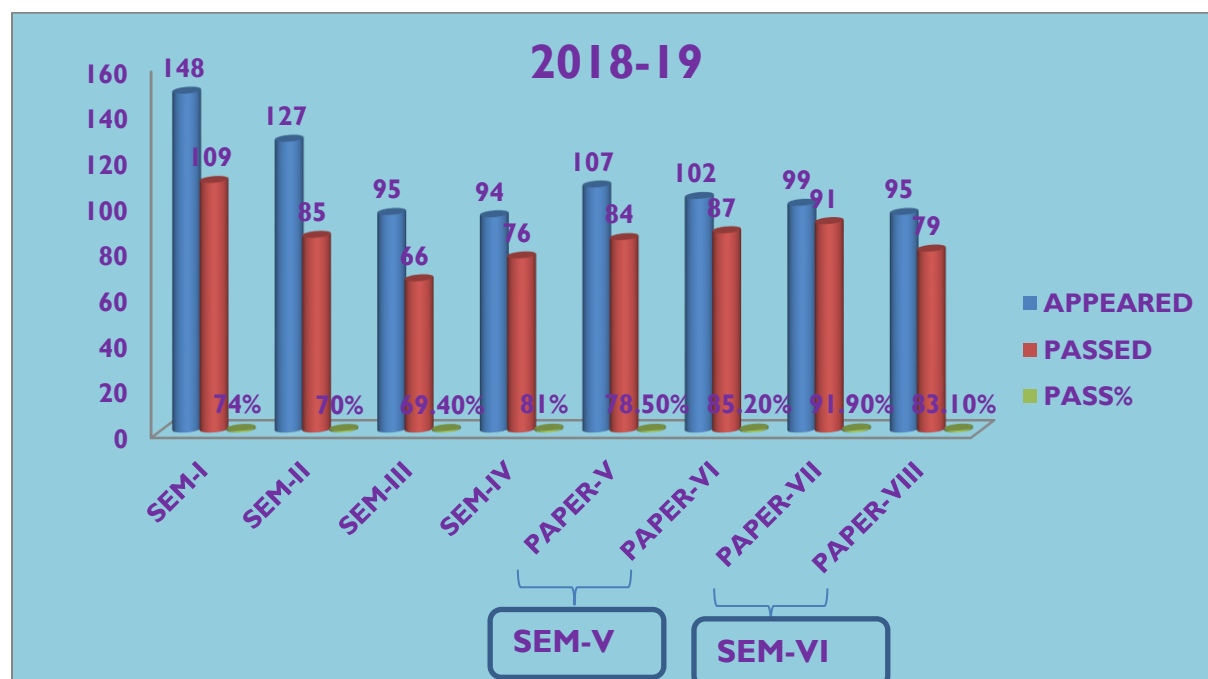
Graphical representation:



Result 2018-2019:

PAPER	APPEARED	PASSED	PASS%
SEM-I	148	109	74%
SEM-II	127	85	70%
SEM-III	95	66	69.4%
SEM-IV	94	76	81%
PAPER-V	107	84	78.5%
PAPER-VI	102	87	85.2%
PAPER-VII	99	91	91.9%
PAPER-VIII	95	79	83.1%

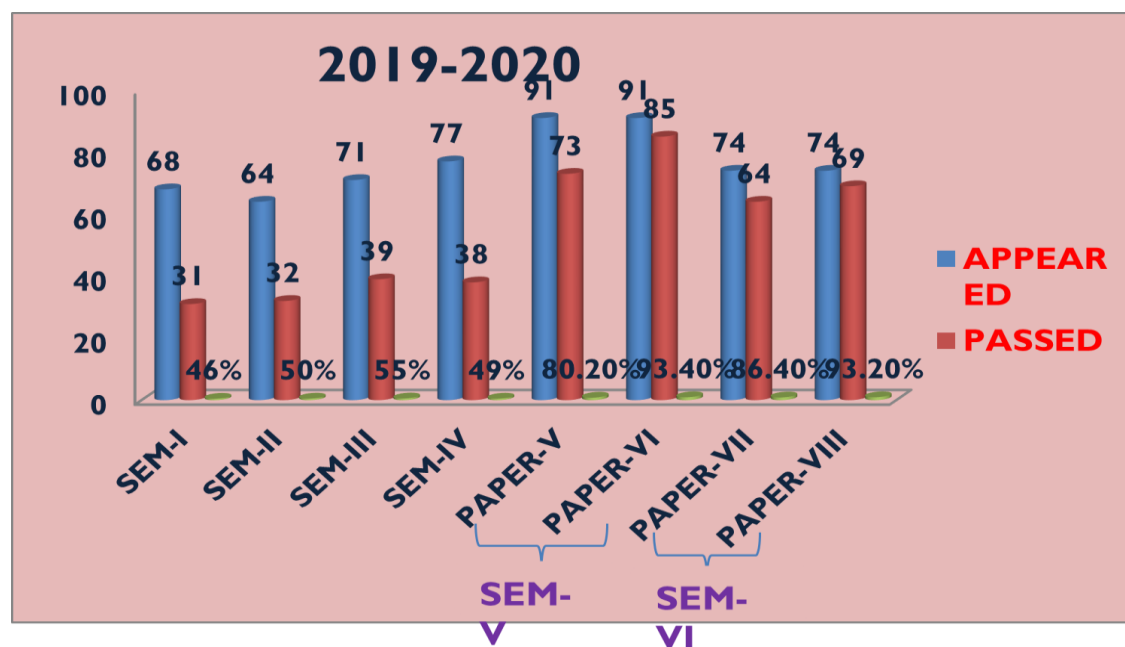
Graphical representation:



Result 2019-2020:

PAPER	APPEARED	PASSED	PASS%
SEM-I	68	31	46%
SEM-II	64	32	50%
SEM-III	71	39	55%
SEM-IV	77	38	49%
PAPER-V	91	73	80.2%
PAPER-VI	91	85	93.4%
PAPER-VII	74	64	86.4%
PAPER-VIII	74	69	93.2%

Graphical representation:





## 1. CURRICULAR ASPECTS:

- Faculty of the department prepares the annual action plan at the start of the academic year based on the academic calendar supplied by the Commissionerate of Collegiate Education.
- Faculty frequently assembled and discusses the events conducting for students and these are recorded in minutes register.

### NON-CBCS:

In entire B.Sc. Chemistry course, there are 4 papers theory each of 100 marks and 4 practical papers each of 50 marks.

#### I. Theory Course:

I Year	Paper - I	Inorganic, Organic, Physical and General chemistry
II Year	Paper - II	Inorganic, Organic, Physical and General chemistry
III Year	Paper - III	Inorganic, Organic, Physical and General chemistry
	Paper – IV	Analytical chemistry and Spectroscopy, Drugs and Agro Chemicals, Macro molecules

#### II. Practical Course:

I Year	Paper - I	Semi micro analysis
II Year	Paper - II	Volumetric analysis
III Year	Paper - III	Preparation of Organic compounds, functional group Identification
	Paper – IV	Chemical kinetics, Conductometry and one project work

- Each section has 04 hr theory and 12 hr practical per week for I and II year.
- 6 theories 12 practical hours for III year, total work load 124 theories and 112 practical hrs.

**CBCS:**

- From 2016 on words we following CBCS Syllabus under Palamuru University:  
Details of the CBCS Scheme

Telangana State Council of Higher Education, Govt. of Telangana B.Sc., CBCS Common Core Syllabi for all Universities in Telangana				
PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.Sc., Chemistry from 2019-2020				
FIRST YEAR- SEMSTER I				
CODE	COURSE TITLE	COURSE TYPE	HPW	CREDITS
	Ability Enhancement Compulsory Course AECC-1	ES	2	2
	English	CC-1A	4	4
	Second language	CC-2A	4	4
	Optional I	DSC-1A	4T+3P=7	4+1=5
	Optional II	DSC-2A	4T+3P=7	4+1=5
	Optional III- Chemistry - I	DSC-3A	4T	4
	Laboratory Course - I (Qualitative Analysis)		3P	
Total Credits			31	25
FIRST YEAR- SEMSTER II				
BS 201	Ability Enhancement Compulsory Course AECC-2	BCS	2	2
BS 202	English	CC-1B	4	4
BS 203	Second language	CC-2B	4	4
BS 204	Optional I	DSC-1B	4T+3P=7	4+1=5
BS 205	Optional II	DSC-2B	4T+3P=7	4+1=5
BS 206	Optional III- Chemistry - II	DSC-3B	4T	4
	Laboratory Course - II (Quantitative Analysis)		3P	
Total Credits			31	25
SECOND YEAR- SEMSTER III				
BS 301	Remedial Chemistry Laboratory and Lab Reagents Remedial methods for pollution, drinking water and Soil fertility	SEC-1 SEC-2	2 2	2 2
BS 302	English	CC-1C	3	3
BS 303	Second language	CC-2C	3	3
BS 304	Optional I	DSC-1C	4T+3P=7	4+1=5
BS 305	Optional II	DSC-2C	4T+3P=7	4+1=5
BS 306	Optional III- Chemistry - III	DSC-3C	4T	4
	Laboratory Course - III (Synthesis of Organic compounds)		3P	
Total Credits			31	25
SECOND YEAR- SEMSTER IV				
BS 401	Materials and their Applications Chemistry of Cosmetics and Food Processing	SEC-3 SEC-4	2 2	2 2
BS 402	English	CC-1D	3	3
BS 403	Second language	CC-2D	3	3
BS 404	Optional I	DSC-1D	4T+3P=7	4+1=5
BS 405	Optional II	DSC-2D	4T+3P=7	4+1=5
BS 406	Optional III- Chemistry - IV	DSC-3D	4T	4
	Laboratory Course - IV (Qualitative and Spectral Analysis of Organic Compounds)		3P	
Total Credits			31	25

AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, DSC: Discipline Specific Course, GE: Generic Elective, ES: Environmental Science, DCS: Basic computer skills.

C BOS, T U

Scanned by CamScanner

**Theory:**

I Year	Semester - I	Paper - I	Inorganic, Organic, Physical and General chemistry
	Semester - II	Paper - II	Inorganic, Organic, Physical and General chemistry
II Year	Semester - III	Paper - III	Inorganic, Organic, Physical and General chemistry
	Semester - IV	Paper - IV	Inorganic, Organic, Physical and General chemistry
III Year	Semester - V	Paper - V	Inorganic, Organic, Physical and General chemistry
		Paper - VI	Elective: Instrumental Methods of Analysis
	Semester - VI	Paper - VII	Inorganic, Organic, Physical and General chemistry
		Paper -VIII	Elective: Medicinal chemistry

**Laboratory course:**

I Year	Semester - I	Paper - I	Qualitative Analysis-Semi micro analysis of mixtures
	Semester - II	Paper - II	Quantitative Analysis
II Year	Semester- III	Paper - III	Organic Synthesis
	Semester- IV	Paper - IV	Quantitative Analysis of Organic Compounds
III Year	Semester - V	Paper - V	Organic synthesis and TLC
		Paper - VI	Experiments in Physical chemistry - I
	Semester- VI	Paper- VII	Quantitative and Spectral Analysis of Organic Compounds
		Paper -VIII	Experiments in Physical chemistry - II

## 2. TEACHING LEARNING EVALUATION:

- Department of Chemistry follows the syllabus and other curricular aspects framed by Palamuru University, Mahabubnagar.
- The teaching staff has freedom to adopt their own teaching methods and innovations, teaching modules to make the students understand the topics in their respective papers.
- Department of Chemistry encouraged participating in group discussions, seminars and quiz programs.
- Some are the programs we conducted in my department under teaching learning evaluation.

### I. Group discussions



- These figures shows our faculty conducting group discussions for academic year 2018-19

### II. Quiz competition



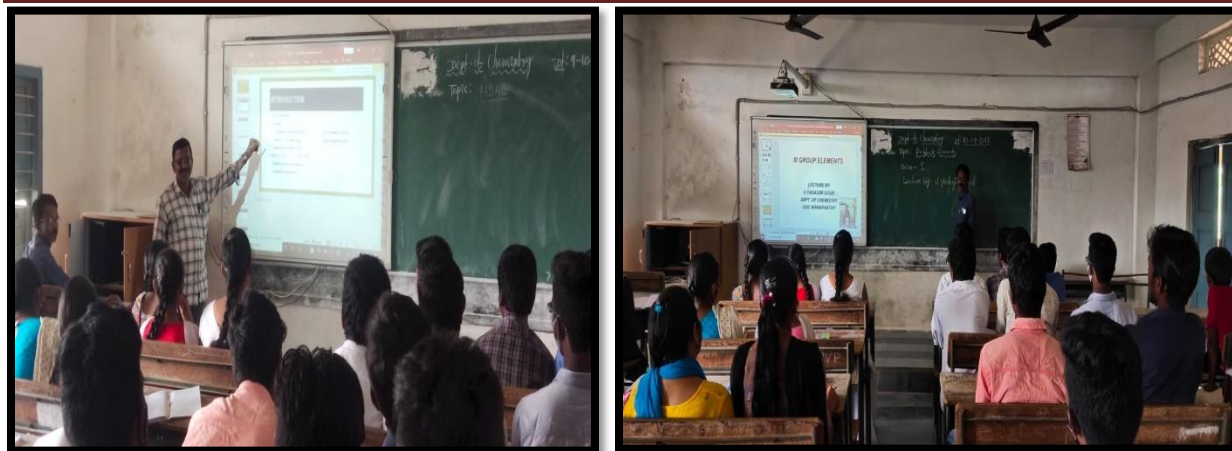
- These figures shows conducting quiz competition for the academic year 2015-16

- Further they are guided to do some projects to strengthen their application skills in the subject required during their study
- The students are encouraged to take active part in extra-curricular activities like campus clean and green programme, blood donation camp, etc.

## 2.1. Teaching

- The teaching involves mainly lecture and discussion methods supplemented by seminars.
- In this process models, charts, CDs (PPT), OHP sheets are used.
- In the beginning of each academic year the annual academic plans are prepared by each lecturer. The syllabus is covered as per the academic plan.
- Teaching diary and teaching notes are maintained by every staff member
- Study material is supplied to the students.
- Most of the students admitted in 1st year B.Sc courses, come mainly from rural areas. So the department conducts bridge classes to cope with the syllabus, as there is marginal gap in the standards of intermediate and graduation.
- Students are encouraged to participate in seminars, quiz and group discussions conducted by the lecturers in their respective classes.
- The educationally backward students in each class are identified and are given remedial coaching.
- The students have been encouraged to collect different clippings related to the subject from newspapers and magazines.
- E-lessons: students are encouraged to watch MANA TV programmes
- Study material for some of the topics in the syllabus is downloaded from the internet and is supplied to the students and also kept in departmental library for ready reference.
- Some pictures are shown here using Information and Communication Technology (ICT)





Lecturers are teaching with ICT in Class room

## 2.2. Additional curricular modules:

The following additional topics are in the curriculum for more exposure of the students to the subject:

- (a) Identification of chemical structure by spectroscopy
- (b) Theories of pericyclic reaction
- (c) d-orbital splitting pattern in different geometry of complexes
- (d) uses of Grignard reagent in organic synthesis

## 2.3. Learning:

- The students are encouraged to read textbooks from the college main library as well as the department library and discuss difficult topics with the staff members.
- The slow learners are identified and given remedial classes. Study material has been supplied on some selected topics
- Average students are encouraged to write assignments on the topics useful for the university examinations.
- The bright students are encouraged to undertake study projects.

## 2.4. Guest lecturers:

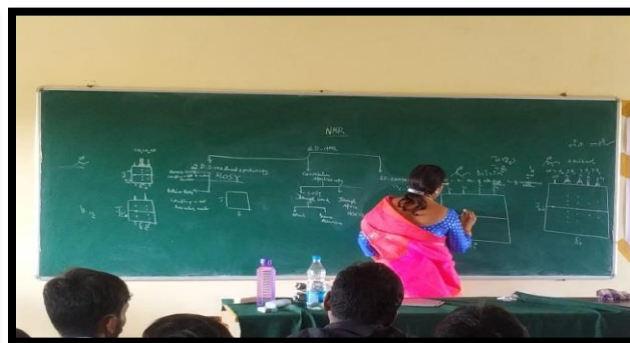
Every year Department of Chemistry arranged Guest/ Extension Lecture to motivate and increasing in subject knowledge of our students.

List of invited lectures from varies universities are.,

**DEPARTMENT OF CHEMISTRY PROFILE**

S.NO	NAME OF PROFF/ ASST. PROF	TOPIC	DATE
1	Sridhar reddy, Asst.Prof(P.U)	Fundamentals of Organic Chemistry	10/09/14
2	B.Venu, Research Scholar(O.U)	Chromatography	16/02/15
3	Dr.K. Damodhar reddy	Thermodynamics	05/09/15
4	Dr.P.Ramudu, Asst.Prof.(C) (P.G Center,WNP)	Importance of Organic Chemistry	11/09/16
5	Dr.Vittal Sharavath, (A.C.) (P.G. Centre WNP, P.U)	Alkanes	09/11/16
6	Tejasri (A.C.) (P.G Center,WNP)	Co-ordination Compounds	12/12/17
7	Dr.M.Noorjahan, , Asst.Prof (P.U)	Qualitative Analysis	12/01/18
8	Dr.P.Ramudu, Asst.Prof.(C) (P.G Center,WNP)	Carbonyl Compounds	08/02/18
9	Prof. P.Veersomaiah, (O.U)	Chemical Kinetics	03/10/18
10	Dr.G.Bhagavanthreddy, Asst.Prof.(C), (P.G Center,WNP)	Nanometirals	24/04/19
11	Prof. K.Girija, (P.U)	Spectroscopy	02/11/19
12	Dr.ChandraSekhar , Asst.Prof.(C) (P.G Center,WNP)	Diseases	07/02/20
13	Dr.Pradeep, Asst.Prof.(C) (P.G Center,WNP)	NMR Spectroscopy	12/03/20

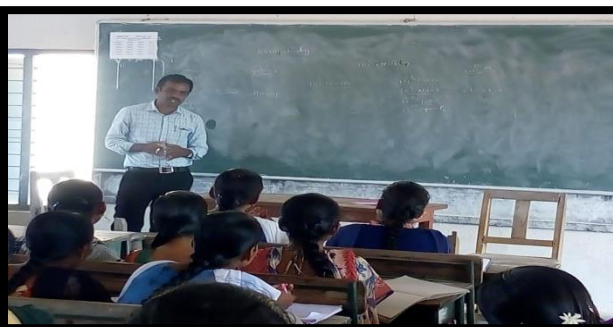
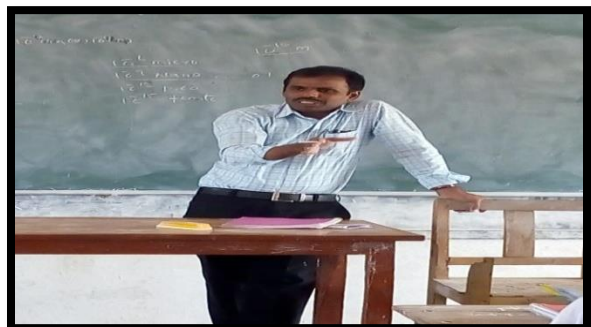
➤ Some of picture are shown here



**I. Guest lecture by Prof. Girija, Dept. of chemistry Palamuru University**



II. Guest lecture by Dr. Ramudu, Dept. of chemistry, P.G Centre Wanaprthy, Palamuru University



III. Guest lecture by Dr. Bhagavanth reddy, Dept. of chemistry, P.G Centre Wanaprthy, P.U



IV. Guest lecture by Pradeep, Dept. of chemistry, P.G Centre Wanaprthy, P.U



V. Extension lecture by Dr. Chandra shekar reddy, Dept. of Zoology P.G Centre Wanaprthy, Palamuru University

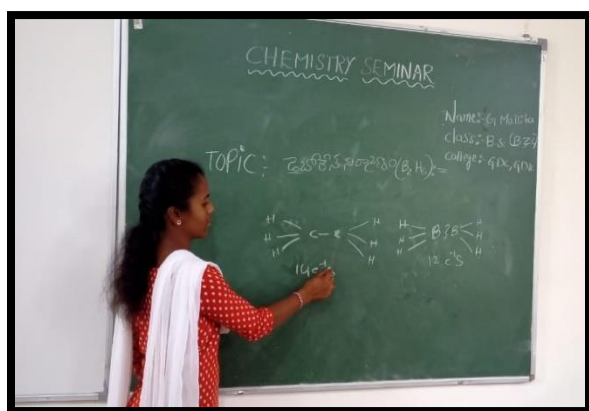


## 2.5. Class room Seminars:

- To improve the presentation skills of the students, we are arranging the seminars regularly.
- The topics of seminar are given in advance to the students and the lecturer will guide them to present the seminar.
- Every year department of Chemistry conducted student Seminars

Course	Name of the Student	Topic	Date
II MPC	Uday kumar	Co-ordination Compounds	10/07/15
III BZC	C. Damodhar	Polymer Chemistry	10/07/15
II MPC	C.Suryanarayana	Pericyclic compounds	10/07/15
II BZC	H.Madhu babu	Electro chemistry	14/09/15
III MPC	P.Bharath Simha Yadav	Carbohydrates	14/09/15
III BZC	B.Sumathi	Pyridine	14/09/15
III MPC	G.Yadalaxmi	Grignard reagent	14/09/15
II BZC	P.Jyothi	Hydroxy Compounds	14/09/15
I MPC	K.Harini	Diagonal relationship	17/09/15
I BZC	P.Yamini	Colloids	17/09/15
II BZC	B.Mounika	Metal carbonyls	19/09/15
I BZC	Pavan kumar	General chemistry	23/07/16
I MPC	S.Sravanthi	Cycloalkanes	06/08/16
II BZC	M.Amrutha	Kolbey-Shmidt reaction	27/08/16
II BZC	P.Yamini	Arrhenius equation	17/12/16
III BZC	C.Priyanka	Bio Inorganic Chemistry	21/01/17
III BZC	Shakeer	Trans effect	28/01/17
III BZC	K.Sandya	Nitrogen compounds	22/07/17
III MPC	B.Mahesh	Photo Chemistry	05/08/17
III MPC	B.Shireesha	Amino acids	21/01/17
II MPC	Sampath kumar	Solid State	28/10/17
I MPC	K.Anusha	S-Block elements	20/01/18
I MPC	K.Saritha	Crystal defects	10/02/18
III MPC	B.Ranga swamy	Photo Chemistry	23/07/18
I BZC	G.Mahesh	Inductive effect	01/09/18
III MPC	Nageswar reddy	Chemical kinetics	15/09/18
II BZC	Venkateswarlu	Co-ordination compounds	29/09/18
III MPC	M.Sandya	Nano Chemistry	03/11/18
III BZC	K.Kalyani	Organic Chemistry	09/02/19
III MPC	Nasreem	Electro Chemistry	02/03/19
II BZC	A.Venkateswarlu	Co-ordination compounds	16/03/19

Student Seminars:





## 2.6 FIELD TRIPS:

➤ Dept of Chemistry conducted field trips every year

S.No.	Academic Year	Place Visited
1	2014-15	IIT Madras, Chennai
2	2015-16	Krishnaveni Sugars Private Ltd . near Kothakota
3	2016-17	School of Chemistry, HCU, Hyderabad
4	2017-18	Nehru Zoological park& Salarzing Museum ,HYD
5	2018-19	Government Museum Chennai
6	2019-20	Organic Farming at Peddagudem, near Wanaparthy



I. Dept. of Chemistry Visited to Organic farming site at Peddagudem village: 2019-20.



II. Dept. of Chemistry Visited Nehru Zoological Park at Hyderabad: 2018-19.



III. Dept. of Chemistry Visited School of Chemistry, Hyderabad Central University: 2016-17.

## 2.7. Library as Learning Resource:

- Apart from the huge central library, the department has a library textbooks and rare collection of reference books and laboratory manuals. These books and manuals are lent to the students, which will be an additional reading material to them.
- The department has over head projector (OHP) which will be used for delivering extension lectures and additional inputs.

## 3.1. Promotion of Research: Study/Group Projects:

Every year faculty of the Department giving study projects to the meritorious students dividing into groups.

The objectives of the study projects are

- Enrich the student's knowledge.
- Hands on experience.

The following study projects have been done by the students under the guidance of the faculty members.

### I. Jignasa Student study State Level Presentation at Govt. City College: (2019-2020)



**II. Year wise Student study projects:**

YEAR	COURSE	PROJECT NAME	NAME OF THE STUDENTS
2014-15	MPC	Determination of caffeine in Tea leaves	S.Neelima G.Paremesh G.Radhamma S.Lavakusha
2014-15	MPC	Green Chemistry	K.Srisailam M.Mahesh K.Raghava K.Mahesh
2014-15	BZC	Chemical Structures and Biological Activities of Antibodies Used Wanaparthi	S. Mahender K.Mahesh Goud D.Mallesh
2014-15	BZC	Determination of Residual Chlorine in the given Water sample	C.Swaroopaa V.Sharada E.Shireesha
2014-15	MPC	Water Analysis of Wanaparthi Town and Narsingayapally	K.Viratkumar V.Bhavana V.Nagaraju K.Ashok N.Shivakuma
2014-15	MPC	A Brief History and Development of Periodic Table	C.Surya narayana G,Yadalaxmi Ch.Jayasree D.Shivakumar
2015-16	BZC	History and Periodic Development of Periodic table	K.Anitha Farheena M.Hymavathi M.Saikumar Shivaiah Srihari

**DEPARTMENT OF CHEMISTRY PROFILE**

2015-16	MPC	Identification and estimation of Content present in soft Drinks	G.Ragender M.ArunKumar A.Venu V.Pushpalatha G.Maheswari
2015-16	MPC	Estimation and Hardness of water in Wanaparthy Town	M.Bhaskar P.Ganesh C.Surya Narayana G.Yadalaxmi D.K.Sainath Reddy
2015-16	BZC	Estimation of Total Fatty Material in Soaps	Ajay kumar K.Balraju A.Bhaskar G.Swapna S,Kavitha
2015-16	MPC	Identification of Structure and mode of Action, Utilization of Anti biotic Present in Wanaparthy	T.SampathKumar K.Veerata Kumar Savitha Sateesh Reddy Bhemanna
2015-16	MPC	A Project On Bio Fual	M.Niranjan S.K.Nazma B.Sumathi B.Kurumurthy M.Mallesh
2016-17	MPC	Water Analysis of Wanaparthy Town	M.Bhaskar Reddy P.Ganesh Sainath Reddy
2016-17	BZC	Home Medicines	C.Bharath K Balraju E Karunakar C Priyanka S Kavitha



**DEPARTMENT OF CHEMISTRY PROFILE**

2017-18	BZC	A Brief History and Development of Periodic Table	A. Chilakamm A.Triveni Md.Salman
2017-18	MPC	Sum Microwave Assisted Organic Reaction	A.Venu B.Praveen S.Poojitha
2017-18	BZC	A Study Project on Bio Fuel	A. Shilpa G.Veerappa M.Padma
2018-19	MPC	A Study Project on TLC	Harika D.Usharani S.Dinesh Sreekanth
2018-19	BZC	Preparation of Synthetic Dyes	V.Rikmini A.Sony P.Pavitra G.ShivaKumar
2018-19	Bio-Tech	Hardness Estimation of Water in Wanaparthy	G.Yadika P.Bhavithasree Sagarika Bhavani
2019-20	BZC & BTZC	Raise Hands On Plastic Pollution	S.Vijaykumar K.Kalyani M.R.Amulya P.Bhavithasree B.Sagarika
2020-21	BZC & BTZC	Evaluated quality of Water I.e, Conductivity, P <sup>H</sup> & TDS from various Water plants in Wanaparthy Town	M.R. Amulya P.Bhavitha Sree B.Sagarika A.Iswrya Shiva

### 3.2. Publications of the faculty:

The faculty of our department reading research journals to enrich their research knowledge and to know the latest knowledge in the subjects.

### 3.3 . Linkages/Memorandum of Understanding;

Department has a linkage services with following institution /industries to provide better education

1. Department of chemistry, P.G. Centre Palamuru University
2. Department of chemistry, Govt. Degree College (W)
3. CN Chemicals, Hyderabad
4. Venkateshwara pesticides

## 4. INFRASTRUCTURE AND LEARNING RESOURCES:

### 4.1. LABS:

The department of chemistry consists of 4 well-equipped labs catering to the needs of the students.

Lab1: Semi micro analysis

Lab2: Analytical lab

Lab 3: Volumetric analysis

Lab 4: Organic lab



**Fig: students and Teachers in laboratory classes**

In addition to these labs, there is well furnished staff room and store room. Enough equipment is available for each student to do practical individually.



Main ones are:

1. Conduct meters
2. PH Meters
3. Colorimeters
4. Centrifuges
5. Digital Balance
6. Simple Balance
7. Electric Water Baths
8. Chemistry Lab Glassware (Pipette, Burette, Flask....etc)
9. Hot Ovens, etc.

#### **4.2. Library as Learning Resource:**

Apart from the huge central library, the department has a library textbooks and rare collection of reference books and laboratory manuals. These books and manuals are lent to the students, which will be an additional reading material to them.

#### **4.3 IT infrastructure:**






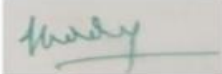
- Department has internet system which is used by staff members as well as students
- The department has LCD projector which will be used for delivering extension lectures and additional inputs



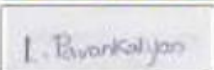


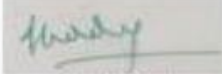
#### **5. STUDENT SUPPORT AND PROGRESSION:**

- The Department maintains remedial coaching classes for academically backward students and their progress regularly monitored through tests.
- Department conducting M.Sc. (Chemistry) entrance coaching i.e. CPGET classes with P.G. faculty.
- Some of our students are pursuing higher education such as P.G. in different universities
- The Department lecturers engaged The VRO coaching classes conducted by college, under U.G.C scheme 'Entry into Services, by covering the chemistry topics which were prescribed in VRO exam syllabus.

- The Department conducted campus interviews through TSKC for DR.REDDYS laboratories Hyderabad
- The students of recent past are working as teachers in various institutions.
- Every year almost 5-10 students got P.G seats in various universities.
- Some of the students resent pass joined in various courses like CPGET-2021.

1. CPGET-2021





 <b>CPGET - 2021</b> <b>DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD</b>	
<b>RANK CARD</b>	
Hall Ticket No. : 62024050246	Community <b>BC_B</b>
Candidate's Name : DUBBA SAIRAM	Date of Birth <b>23/09/2001</b>
Father's Name : DUBBA SUKUMAR	 
Test Name : M.Sc. Chemistry	
Marks Obtained : 41	   Convener
Rank : 185	

 <b>CPGET - 2021</b> <b>DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD</b>	
<b>RANK CARD</b>	
Hall Ticket No. : 62024050125	Community <b>BC_D</b>
Candidate's Name : LINGANABOINA PAVANKALYAN	Date of Birth <b>26/02/2000</b>
Father's Name : LINGANABOINA SOBHANADHRI	 
Test Name : M.Sc. Chemistry	
Marks Obtained : 40	   Convener
Rank : 206	

5:02 PM | 16.9KB/s | CPGET - 2021  
 DIRECTORATE OF ADMISSIONS : OSMANIA UNIVERSITY, HYDERABAD

VoLTE 4G+ 37





### RANK CARD

Hall Ticket No. : 62086820260	Community <b>BC_B</b>
Candidate's Name : GOLKONDA SHIREESHA	Date of Birth <b>10/11/1997</b>
Father's Name : GOLKONDA RAJAJIAH	 23-08-2021 <i>G. Shireesha</i>
Test Name : M.Sc. Chemistry	
Marks Obtained : 37	   Convener
Rank : 359	

INSTRUCTIONS TO THE CANDIDATE

**CPGET - 2021**  
 DIRECTORATE OF ADMISSIONS : OSMANIA  
 UNIVERSITY, HYDERABAD

### RANK CARD

Hall Ticket No. : 62086820370	Community <b>SC</b>
Candidate's Name : MADHURI VYSAMMAI	Date of Birth <b>02/02/2000</b>
Father's Name : MADHURI SRENEVAS	 <i>V. Vysammai</i>
Test Name : M.Sc. Chemistry	
Marks Obtained : 39	   Convener
Rank : 248	

INSTRUCTIONS TO THE CANDIDATE

## 6. GOVERNANCE LEADERSHIP AND MANAGEMENT:

### 6.1. Organization and management:

- The department functions under the supervision of the principal, through the head of the department.
- The head of the department looks after day-to-day activities of the department.
- Periodical meetings are held with the staff to discuss departmental activities and democratic are taken and implemented.
- In addition to teaching work, the faculty looks after the admissions, examinations and other related works.
- Every year about fifty thousand rupees are allotted to the department to purchase new equipment.
- Faculty of the department prepares the annual action plan at the start of the academic year based on the academic calendar supplied by the Commissionerate of Collegiate Education.
- Faculty frequently assembled and discusses the events conducting for students and these are recorded in minutes register.
- Our faculty members are working in various committees as members such as admission, Physical Education, UGC, NSS committees.
- Our faculty member G.Kurumaiah acting as red ribbon club co coordinator
- He conducted many programmes on HIV awareness.
- He is also programme officer for NSS unit -I.

## 7. INNOVATIVE PRACTICES AND FUTURE PLANS:

- Department lecturers explaining models of molecules, simple reactions, titration in the lab.
- The department of chemistry did a project work on purity of drinking water in the village of narsingayapally & Various Mineral Water plants in Wanaparthi town.
- We find that the drinking water contains high/low  $P^H$  & TDS. So we adopted that village.
- We supplying purified drinking water with free of cost from our college.
- And given suggestions to Mineral Water plant to maintain  $P^H$  & TDS.





Fig. Students collected Water samples from Narsingaipally & Wanaparthy twon and tested  $P^H$  & TDS

**DEPARTMENT OF CHEMISTRY PROFILE**

S.NO	NAME of the Water Plant	ADDRESS	Evaluated PH	Evaluated TDS
1	Suraganga	Thirumala colony, pangal road, wanaparthy	6.4	25
2	RN	Kummari colony, near Gandhi Chowk, wanaparthy	6.8	46
3	Sai dhikshith	Urdu medium School, Gandhi Chowk, wanaparthy	6.8	52
4	Balu	Thirumala colony, pangal road, wanaparthy	6.7	45
5	Ramu	Chandhapur road teachers colony, Wanaparthy	6.7	40
6	Shivaganga	Bhagath singh nagar, wanaparthy	6.7	45
7	Vijaya durga	BSNL Office opposite, vallabh nagar, wanaparthy	6.6	35
8	Mani water	Marrikunta, pebbair road, Wanaparthy	6.7	40
9	Maruthi	Marrikunta, pebbair road, Wanaparthy	6.5	30
10	KGN	Bhasavanna gadda, wanaparthy	6.4	38
11	Sujala	Marrikunta, pebbair road, Wanaparthy	6.7	35
12	Srinivasa	Near Sangam Function Hall, pebbair road, wanaparthy	6.8	46
13	Star cool water	Ram nagar, wanaparthy	6.3	29
14	Srinivasa	Chandapur road, Agguraram, wanaparthy	6.4	35
15	Bore water	Narsingaipally village	8.1	450
16	Hand pump water	Narsingaipally village	8.3	620
17	Municipality Water	Narsingaipally village	7.9	350

- Our college supplies purified drinking water to the Narsingayapally village through department of chemistry with free of cost.

- The students are advised to inculcate good moral values.
- The students are advised to prepare models, charts, etc., of their subject interest.
- Bright student are encouraged to take up students.
- The students are encouraged to participate in field trips to enhance their subject knowledge.
- Personal problems of the students are entertained through ward-counseling system and solved their problems as far possible.
- Extension lectures are arranged by inviting eminent persons.
- The students are encouraged to participate in extra-curricular activities like AIDS awareness programs and blood donation camps through NSS and NCC.
- Giving M.Sc. (chemistry) Coaching to the Students
- Previous Question papers drilling
- Assignments to the students
- Remedial Classes to the slow learners
- Explaining the day to day changes in the science filed to enrich the knowledge of students using power point presentations and paper cuttings
- Providing the study material to the benefit of slow learner students.
- Department of chemistry prepare Alcohol based Sanitizer and distributed to Principal chamber, Office & various Departments.



## STRENGTH OF THE DEPARTMENT

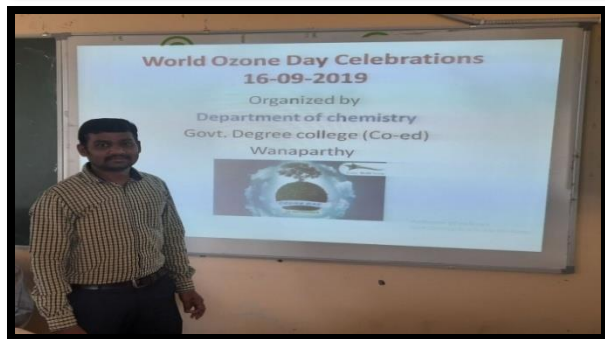
- Some of the lectures are conducting through Power Point Presentation and PPT.
- Study Material and Question Bank supplied to the slow learner students.
- Study Projects and Seminars presented by the students every year.
- Regular Field Trips are arranged to students for industrial exposure
- Additional inputs such as Paper clippings (subject wise and General) and Internet video lectures have been providing for students to enrich their knowledge.
- The Department encourages to take active part in extra-curricular activities like campus clean & green, awareness on Plastic ban & AIDS , blood donation camp, etc

### I. Awareness program on plastic Ban at Narsingaipally village.





II. Department of chemistry celebrated "world ozone day"



K.Ramesh, Asst. prof. of Chemistry, was awareness regarding the Ozone Layer's depletion.

III. Group Discussions and Quiz's (Subject and General) are conducting in regular manner.



Conducted District Level Quiz on National Science Day

## HIGHLIGHTS OF THE DEPARTMENT

- The department of chemistry is producing GOOD results every year.
  - The department of chemistry recently established Research lab
  - Department of chemistry conducted National seminar.
- I. **“One Day National Seminar Organized’** with title as **“Recent Advances in Chemical Science”** by Dept. of Chemistry on 11-01-202 Sponsored by RUSA & TSCHE
- ✓ Here we invited four (4) Eminent Prof/Scientists from across India.
    1. Dr. N. Lingaiah, Principal Scientist, ICT, Hyderabad.
    2. Prof. Koya Prabhakar rao, Vignan University, Guntur, Andhrapradesh.
    3. Dr. Mahabul Shaik, DRDO Scientist, Gwalior, Madhyapradesh.
    4. Dr. Ramu yadav, IIT Delhi, Delhi.

**Note:** Best moments are presenting here from this prospects.



**Fig: Delegates and Participants**





**Fig: Brochure releasing by Prof. Pindi Pavan Kumar, Registrar and Dr Noorjahan Principal University College, Palamuru University.**



**Fig: Dr. N. Lingaiah, Principal Scientist, IICT, Hyderabad.**



Fig: Prof. Koya Prabhakar rao, Vignan University, Guntur, Andhrapradesh.



Fig: Dr. Mahabul Shaik, DRDO Scientist, Gwalior, Madhyapradesh.



Fig: Dr. Ramu yadav, IIT Delhi, Delhi.

## II. Collaboration with P.G. centre Palamuru University

- ✓ Collaboration with P.G. Centre Palamuru University and Govt. Degree College (W) , we department of chemistry conducting P.G. Entrance coaching (CPGET) Every year and almost 5-10 students got P.G seats in various universities.



Fig: CPGET classes by PG faculty

- The department of chemistry started certificate course on “Preparation of Soap & Detergent “







# సమాజ శ్రేయస్సు కోసమే 'మార్పులు'



## సెమినార్లో పీయూ రిజిస్ట్రార్ను సన్మానిస్తున్న ప్రాఫెసర్లు

వనపర్తి టౌన్: రసాయన శాస్త్రంలో వస్తున్న మార్పులతో సమాజ శ్రేయస్సు ఇమిడి ఉందని పీయూ రిజిస్ట్రార్ ప్రాఫెసర్ పిండి పవన్కుమార్, శాస్త్రవేత్త లింగయ్య, గుంటూరు విజ్ఞాన్ యూనివర్సిటీ ప్రాఫెసర్ కోయ ప్రభాకర్, డిఆర్డీఓ శాస్త్రవేత్త డాక్టర్ మహబూబ్ షేక్, ఐఐటీ ఢిల్లీ ప్రాఫెసర్ డాక్టర్ ఎం. రాముయాదవ్లు అన్నారు. వనపర్తి ప్రభుత్వ డిగ్రీ కళాశాలలో శనివారం కెమిస్ట్రీలో వస్తున్న మార్పులపై ఒకరోజు జాతీయ స్థాయి సెమినార్ను నిర్వహించారు. ఈ కార్యక్రమానికి ముఖ్య వక్తలుగా వారు హాజరయ్యారు. రోజు రోజుకు సమాజానికి సవాలుగా మారుతున్న కాలుష్యాన్ని నియంత్రించేందుకు నూతన ఆవిష్కరణలకు శాస్త్రవేత్తలు, స్కాలర్స్ రీసర్చ్ లు చొరవ చూపాలని పిలుపునిచ్చారు. నిత్యజీవితంలో రసాయన శాస్త్రం ముడిపడివుందని, వాటి ఉపయో

గాలను ప్రజల దరికి చేరాలని అభిప్రాయపడ్డారు. సోలార్ ఎనర్జీ, సోలార్ సెల్స్ కు సంబంధించిన రీసర్చ్ లో కొత్త పుంతలు తొక్కాల్సిన అవసరం ఉందని చెప్పారు. బయో మాస్, కెమికల్ ఇంధనాలుగా మార్చడానికి పెటాలాసిస్ ను వినియోగించవచ్చని తెలిపారు. నీటి అణువును విచ్ఛిన్నం చేసి తయారు చేసే హైడ్రోజన్ వాయువు భవిష్యత్తులో ఇంధనంగా సులువుగా మార్చవచ్చని, సీ-హెచ్, సీ-ఎన్ ఓ2 కొత్త రసాయన చర్యలు కొనుక్కునేందుకు తీసుకోవాల్సిన చర్యలను వివరించారు. ఈ కార్యక్రమంలో పోస్టర్ ప్రజెంటేషన్ జడ్జిగా నూర్జహాన్ పర్యవేక్షించారు. ఈ కార్యక్రమంలో ప్రోగ్రాం కన్వీనర్ రమేష్, కళాశాల ప్రిన్సిపాల్ చంధోజీరావు, మహిళా డిగ్రీ కళాశాల ప్రిన్సిపాల్ సురేష్, లెక్చరర్స్ ప్రవీణ్ కుమార్, కురుమయ్య, యాదగిరి గౌడ్, పీజీ లెక్చరర్స్ ఉన్నారు.

**సాక్షి** Sun, 12 January 2020 <https://epaper.sakshi.com/c/47907569>

**కళాశాలలో అతిథి ఉపన్యాసం**

వనపర్తి పట్టణం, న్యూనటుడే : జిల్లా కేంద్రంలోని ప్రభుత్వ పురుషుల కళాశాలలో రసాయనశాస్త్రం విభాగం అధ్యక్షులలో శనివారం అతిథి వ్యాస కార్యక్రమాన్ని నిర్వహించారు. పీయూ రిజిస్ట్రార్ ప్రాఫెసర్ పిండి పవన్కుమార్, శాస్త్రవేత్త లింగయ్య, గుంటూరు విజ్ఞాన్ యూనివర్సిటీ ప్రాఫెసర్ కోయ ప్రభాకర్, డిఆర్డీఓ శాస్త్రవేత్త డాక్టర్ మహబూబ్ షేక్, ఐఐటీ ఢిల్లీ ప్రాఫెసర్ డాక్టర్ ఎం. రాముయాదవ్లు అన్నారు. వనపర్తి ప్రభుత్వ డిగ్రీ కళాశాలలో శనివారం కెమిస్ట్రీలో వస్తున్న మార్పులపై ఒకరోజు జాతీయ స్థాయి సెమినార్ను నిర్వహించారు. ఈ కార్యక్రమానికి ముఖ్య వక్తలుగా వారు హాజరయ్యారు. రోజు రోజుకు సమాజానికి సవాలుగా మారుతున్న కాలుష్యాన్ని నియంత్రించేందుకు నూతన ఆవిష్కరణలకు శాస్త్రవేత్తలు, స్కాలర్స్ రీసర్చ్ లు చొరవ చూపాలని పిలుపునిచ్చారు. నిత్యజీవితంలో రసాయన శాస్త్రం ముడిపడివుందని, వాటి ఉపయో

**కార్యక్రమంలో మాట్లాడుతున్న గిరిజ**

అంశాలను కనుగొనే విషయంలో ఏకాగ్రత, పట్టుదల, సాధించాలన్న తపన ఉండాలన్నారు. ఈ సందర్భంగా కళాశాల ప్రధానాధ్యక్షుడు ఆగ్రహారం చండోజీరావు మాట్లాడుతూ.. చదువులో నిమగ్నమైతేనే ఆశించిన ఫలితాలు సాధిస్తారని విద్యార్థులకు సూచించారు. కార్యక్రమంలో రసాయనశాస్త్ర విభాగాధిపతి కె. రమేష్, అధ్యాపకులు, ఆచార్యులు, పి. రాముడు, కురుమయ్య, ప్రవీణ్ కుమార్లు పాల్గొన్నారు.

**కళాశాలలో జాతీయ సైన్స్ దినోత్సవం**

వనపర్తి పట్టణం, న్యూనటుడే: పట్టణంలోని ప్రభుత్వ డిగ్రీ కళాశాలలో గురువారం జాతీయ సైన్స్ దినోత్సవాన్ని నిర్వహించారు. జిల్లాలోని 10 డిగ్రీ కళాశాల విద్యార్థులు, అధ్యాపకులు పాల్గొని ప్రతిభ కనబరిచారు. ఈ సందర్భంగా డిగ్రీ కళాశాల ప్రధానాధ్యక్షుడు ఆగ్రహారం చండోజీరావు మాట్లాడుతూ.. చదువులో నిమగ్నమైతేనే ఆశించిన ఫలితాలు సాధిస్తారని విద్యార్థులకు సూచించారు. కార్యక్రమంలో రసాయనశాస్త్ర విభాగాధిపతి కె. రమేష్, అధ్యాపకులు, ఆచార్యులు, పి. రాముడు, కురుమయ్య, ప్రవీణ్ కుమార్లు పాల్గొన్నారు.

**విజేతలకు బహుమతి అందజేస్తున్న నిర్వాహకులు**

అందజేశారు. కార్యక్రమంలో కళాశాల ఇన్ ఛార్జ్ ప్రధానాధ్యక్షుడు శ్రీనివాసులు, సైన్స్ విభాగాధిపతి రమేష్, అధ్యాపకులు యాదగిరి గౌడ్, సునితలాయి, ఉదయకుమార్, రామచంద్ర, విజయలక్ష్మి, కురుమయ్య, రామకృష్ణ, రామ్మూర్తి, మల్లికార్జున్, సురేందర్ రెడ్డి, నాగరాజు తదితరులు పాల్గొన్నారు.

Date : 28/02/2020 EditionName : TELANGANA (WANAPARTHY) PageNo : Page 05





మాట్లాడుతున్న పిండి పవన్ కుమార్

## నూతన ప్రయోగాలతో కాలుష్యుని నివారణ

పాలమూరు విశ్వవిద్యాలయం రిజిస్ట్రార్ ఆచార్య పవన్ కుమార్

**వనపర్తి రాజీవ్ చౌక్, న్యూనీటుడె :** ప్రకృతిని నాశనం చేస్తున్న కాలుష్యాన్ని నూతన ప్రయోగాలతో నివారణ మని పాలమూరు విశ్వవిద్యాలయం రిజిస్ట్రార్, ఆచార్య పిండి పవన్ కుమార్ అన్నారు. వనపర్తి జిల్లా కేంద్రంలోని ప్రభుత్వ పురుషుల డిగ్రీ కళాశాలలో రసాయన శాస్త్రం విభాగం ఆధ్వర్యంలో శనివారం ఒక్క రోజు జాతీయ అవగాహన సదస్సు నిర్వహించారు. రసాయన శాస్త్రంలో ఆధునిక పరిశోధనలు అన్న అంశంపై సదస్సును ప్రారంభించేందుకు ముఖ్య అతిథిగా విచ్చేసిన ఆయన మాట్లాడారు. వివిధ రకాల కాలుష్యాలతో మానవులకు ఎన్నో వ్యాధులు వస్తున్నాయని వీటిని అరికట్టడానికి అధ్యాపక లోకం, పరిశోధక విద్యార్థులు అధునాతన ప్రయోగాలతో ముందుకొస్తామని అవసరమందన్నారు. ప్రకృతిలో వాయు, జల, ఆహార కాలుష్యాలు రసాయన శాస్త్రానికి సంబంధించినవని వీటిపై జరుగుతున్న పరిశోధనలు, ప్రయోగాలను తానూ తెలుసుకునే ప్రయత్నం చేస్తున్నానన్నారు. అన్ని శాస్త్రాలకు చెందిన అధ్యాపకులు, విద్యార్థులు రసాయన శాస్త్రంపై అవగాహన పెంచుకోవాల్సిన అవసరం ఉందన్నారు. పీయూ పీజీ



పాల్గొన్న వివిధ కళాశాల ప్రధానాచార్యులు, అధ్యాపకులు

కళాశాల ప్రధానాచార్యులు ఎండి నూర్జహాన్, డా. ఎన్. లింగయ్య మాట్లాడుతూ.. దేశీయ అవసరాలు, రోజురోజుకూ పెరుగుతున్న పెట్రోలు ధరల నేపథ్యంలో ఇంధన వాడకంలో ప్రత్యామ్నాయ మార్గాలను అన్వేషించాలని సూచించారు. కృత్రిమ తామర ఆకు సృష్టిస్తే సముద్రాలలో ఒలికిపోయిన చమురును, సముద్రపు నీరు వేరు చేసి సహజ వాయువు ఉపయోగపడేలా చేయొచ్చని ఆచార్య కోయ ప్రభాకర్ రావు సూచించారు. నీటి అణువును విచ్ఛిన్నం చేసి తయారు చేసే హైడ్రోజను వాయువును భవిష్యత్తు ఇంధనమని దీన్ని కూడా మాప్లి విధానం ద్వారా సులభంగా సాధించొచ్చన్నారు. ఈ కార్యక్రమానికి కళాశాల ప్రధానాచార్యులు డా. అగ్రహారం చందోజీ రావు అధ్యక్షత వహించగా డి.ఆర్.డి.వో శాస్త్ర వేత్త డా. మహబూబ్ షేక్, ఐఐటీ దిల్లీ ఆచార్యులు డా. ఎం. రాములుయాదవ్, వివిధ కళాశాలల ప్రధానాచార్యులు సురేశ్, ప్రవీణ్ కుమార్, కుర్మయ్య, యాదగిరి గౌడు పాల్గొన్నారు.

## WEAKNESS OF THE DEPARTMENT

- ✓ Lack of modern lab equipment satisfactorily
- ✓ Poor communication skill in both verbal and non-verbal
- ✓ Shortage of faculty member
- ✓ Skilled students are not available to situation of college in rural area
- ✓ More dropouts due to take admission in technical courses.

## FUTURE PLAN OF THE DEPARTMENT

- ✓ To start M.Sc., Analytical Chemistry course
- ✓ To develop the Labs with latest equipment
- ✓ To introduce a certificate course in analytical techniques
- ✓ To conduct programmes a P.G. level
- ✓ To develop life skill development programmes regularly after the class hour
- ✓ To train The students for job opportunities
- ✓ To give various project work to development the department.

\*\*\*\*\*

**THANK YOU**