

NAGARJUNA GOVT. COLLEGE, NALGONDA

(Autonomous)

AFFILIATED TO MAHATMA GANDHI UNIVERSITY



DEPARTMENT OF CHEMISTRY

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NAAC PEER TEAM

DEPARTMENT PROFILE

(FROM 2014 TO 2019)

Sense the Essence of Chemistry

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NAGARJUNA GOVERNMENT COLLEGE (A), NALGONDA

DEPARTMENT OF CHEMISTRY

OBJECTIVE

"CHEMISTRY FOR THE UNIVERSAL WELFARE"

Harmonious blend of ancient and modern Chemistry to serve the society by developing heightened intellectual, cultural, ethical and human sensitivities to foster scientific temper and to promote professional and technological expertise.

Mission

- ❖ To achieve excellence in teaching and research.
- ❖ To empower through knowledge and information.
- ❖ To develop, enhance and improve the quality of human resource.
- ❖ Commitment to regional, national and international development in consonance with our culture heritage and environment.

ABOUT THE DEPARTMENT

- The Department of Chemistry was established with inception of the college July, 1956.
- It started with two groups B.Sc., (MPC) and (BZC) and the medium of instruction was English as Pre-University course. Started with merely 30 students and one lecturer, demonstrator and lab assistant.
- Later in 1998-99 vocational course, Industrial Chemistry (MCIC) and restructured course in B.Sc. (MZC) has been started
- In **2002** two more self-financed course have been introduced i.e. B.Sc. (Micro-Biology, Botany, Chemistry) and B.Sc., (Biotechnology, Botany, Chemistry) with Chemistry combinations
- During academic year **2018** one more self-financed course have been introduced i.e. B.Sc. (Biotechnology, Zoology, Chemistry). At present **Nine** combinations with Chemistry out of **thirteen** combinations of Science have been offered by the college.
- At present it existing with strength of almost **1218** students pursuing Chemistry at UG level.

- The eminent Personalities of the Dept. are were promoted as **Principals**
- ❖ In the academic year **2008** with a view to meet the demands of the Chemistry, **M.Sc. Organic Chemistry, self-financed course** has been introduced with an intake of **25** students. Later it has been increased to **30** students. Now it has been increased to **60**.

Uniqueness of the Department

- Spot Test as Green Analytical Method
- To Minimize the consumption of Chemicals
- To minimize Solvent Consumption
- To Reduce the Time
- To Reduce the Energy Consumption
- To Protect Environment
- Telugu medium of instruction is available for some UG courses.
- Department of Chemistry teaches maximum number of students in the institution i.e. 9-combinations as one the common subject

History & Evolution of the Department

- It is a prominent higher education centre for chemical sciences in the Telangana region.
- With the successful nurturing of students in the first decade, department efforts were appreciated and new courses and staff were sanctioned.
- The department is striving to live up to its legacy it has got over the time.

Present Strength of the Department:

Particulars	Strength
Sanctioned Teaching staff	08
Regular Teaching staff	08
Supporting staff	03
Laboratories	04
Balance room	01

Present Department faculty

- At present **Eight** members of Teachers are working in this Department. Out of with **Two** members has **Ph.D.** degree, Four other staff are pursuing research work for Ph.D and **Five** members have qualified in NET/SET.

Sl. No.	Name	Qualification	Specialization	Experience
1	Sri V. Srinivasulu	M.Sc., SET	Organic Chemistry	23 Years
2	Sri K. Nagi Reddy	M.Sc., NET	Organic Chemistry	10 Years
3	Sri. Y. Yadagiri Rao	M.Sc., NET	Chemistry	07 Years
4	Sri. Ch. Muthaiah	M.Sc., NET	Organic Chemistry	07 Years
5	Dr. P. Bala Swamy	M.Sc., Ph.D.	Organic Chemistry	06 Years
6	Sri. R. Chandra Shekar	M.Sc., SET	Physical Chemistry	23 Years
7	Sri. Kommu Naresh	M.Sc	Physical Chemistry	6 Years
8	Dr. B. Bixamaiah	M.Sc., Ph.D.,	Physical Chemistry	27 Years

Sl. No.	Name	Qualification	Designation
1.	Sri P. Madhu	Intermediate	Record Assistant
2.	Sri. D. Kiran Kumar	M.Sc.	Lab Assistant
3.	Sri. Kishan	MA, DMLT	Lab Assistant

Present PG Faculty

S.No	Name	Qualification	Specialization	Experience
1	Sri. G. Murali	M.Sc., SET	Organic Chemistry	8 Years
2	Sri. A. Anjaneyulu	M.Sc., SET	Physical Chemistry	08 Years
3	Sri. K. Narsimha	M.Sc.	Inorganic Chemistry	10 Years
4	Sri. T. Saidulu	M.Sc., B.Ed., SET	Organic Chemistry	03 Years
5	Sri. M. Saidulu	M.Sc., SET	Organic Chemistry	03 Years

Facilities & Combinations offered by the Department of Chemistry

✚ Inorganic, Organic, Instrumentation & Industrial chemistry laboratories are available for B.Sc & M.Sc students.

U.G. Programs :

1. B.Sc. Maths, Physics & Chemistry (Eng. Medium)
2. B.Sc. Maths, Physics & Chemistry (Tel. Medium)
3. B.Sc. Botany, Zoology & Chemistry (Eng. Medium)
4. B.Sc. Botany, Zoology & Chemistry (Tel. Medium)
5. B.Sc. Maths, Chemistry & Industrial Chemistry (Eng. Medium)
6. B.Sc. Microbiology, Zoology & Chemistry (Eng. Medium)
7. B.Sc. Microbiology, Botany & Chemistry (Eng. Medium)
8. B.Sc. Bio-Technology, Botany & Chemistry (Eng. Medium)
9. B.Sc. Bio-Technology, Zoology & Chemistry (Eng. Medium)

P.G. PROGRAM: _ M.Sc., Organic Chemistry

POTENTIALITY OF THE STAFF

- Two Doctorates are present in the Dept.
- Four other staff is pursuing research work for Ph.D. All are qualified with NET or SET.
- Staff members are trained through Refresher and Orientation Courses.
- All the faculty members are BOS members.
- Well qualified staff.

CURRICULUM – VITAE

Name : **V.SRINIVASULU**

Designation : Asst. Prof. in Chemistry

Date of Birth : 29-05-1970

Date of first appointment : 19 June 1995

Date of Entry into Service UG Level : 27- Nov- 2010

Academic Qualifications : M.Sc., B.Ed

Topics/Area of Research : Nil

Details of Publications : Nil

Details of Seminars/Workshops/ : 05



1. Workshop on "Instrumentation" at GDC WNP
2. National seminar on "Recent trends in Drug Discovery" at BRR GDC Jadcherla
3. FDP on BLENDED LEARNING by TASK From 20-05-2020 to 23-05-2020
4. Online STC on RENEWABLE ENERGY from from 18-06-2020 to 20-06-2020 by UGC HRDC-OU
5. Online STC on ICT TOOLS IN HIGHER EDUCATION from 20-08-2020 to 26-08-2020 by UGC HRDC OU

Orientation / Refresher attended :

1. O.C at MANUU, Hyd. May-2013
2. Refresher Course at HCU, Hyd. Aug- 2016
3. Refresher Course at HCU, Hyd. July- 2017
4. SWAYAM ARPIT On line refresher course (MOOCS) in **Chemistry. MARCH 2019**
5. SWAYAM ARPIT On line refresher course (MOOCS) in **Chemistry. Feb -2020**

Additional charges :

1. Academic Co Ordinator (Science)
2. Incharge Dept of Chemistry

Awards/Medals/Merit Certificates Received :

1. Commendation certificate received from Dist Collector On 15-08-2019
2. University 3rd rank in M.Sc (Osm.Univ)
3. SET Eligibility Certificate for Lecturership.

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CURRICULUM – VITAE

Name : **K. NAGI REDDY.**

Designation : Asst. Prof. in Chemistry

Date of Birth : 06-02-1982

Date of first appointment : 26 Dec 2011

Date of Entry into Service UG Level : 26 Dec 2011

Academic Qualifications : M.Sc. B.Ed..

Topics/Area of Research : Synthesis of Natural Products

Details of Publications : Nil

Seminars/Workshops : 03



1. National Seminar on “Recent Trends in Separation processes in pollution control” Organized by Dept. of Chemistry, KRR Govt. Arts & Science College, 12th & 13th July 2014.
2. UGC Sponsored National seminar on “Low Levels of Ground Water-Cause, Effect & Control Organized by Dept. of Chemistry, KRR Govt. Arts & Science College, 10th & 11th Feb 2016.
3. One Day National Seminar on “Recent Advances in Chemical Science” (RACS-2020) Organized by Dept. of Chemistry, Govt. Degree College (Co-Ed), Wanaparthy on 11th Jan 2020

Orientation / Refresher : 1. Orientation Course at JNTU, Hyd. June-2013
2. Refresher Course at HCU, Hyd. Aug- 2014
3. SWAYAM ARPIT Online refresher course (moocs) in Chemistry (Feb 2020).

Extra Curricular Activities : 1. Incharge of Dept. of Computer Science

Awards/Medals/Merit Certificates Received : Nil

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CURRICULUM – VITAE

Name : YADAGIRI RAO YASALA

Designation : Asst. Prof. in Chemistry

Date of Birth : 05-06-1985

Date of first appointment : 26 Dec 2011

Date of Entry into Service UG Level : 26 Dec 2011

Academic Qualifications : M.Sc.

Topics/Area of Research : Nil

Details of Publications : Nil

Seminars/Workshops : 03

Orientation / Refresher : 03



1. Orientation Course at JNTU, Hyd. Feb-2015
2. Refresher Course at MANUU, Hyd. Oct-2013
3. SWAYAM ARPIT Online refresher course (MOOCs) in **Chemistry**. MARCH 2019

Extra Curricular Activities : 1. Incharge of Biotechnology

Awards/Medals/Merit Certificates Received : Nil

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CURRICULUM – VITAE

Name : **CHINTHA MUTHAIAH**

Designation : Assistant Professor

Date of Birth : 12-04-1986

Date of first appointment : 26 Dec, 2011

Date of Entry into Service UG Level : 26 Dec,2011

Academic Qualifications : M.Sc. (Organic Chemistry), NET

Ph.D Topic (Research area) : Synthesis, Characterization and Biological Screening of Novel Schiff's base Metal complexes

Details of Publications : Nil

Seminars/Workshops : 05



1. National Conference on the "New vistas of chemistry an Interdisciplinary approach" Conducted by Dept. of Chemistry, PALAMURU UNIVERSITY. Mahabubnagar
2. Workshop on "Recent trends in Science and Technology "at DRC- MVS GDC MBNR.
3. Workshop on "Instrumentation" at GDC WNP
4. National seminar on the "Old and New trends in Chemical Sciences" at Tara GDC, Medak.
5. National seminar on "Recent trends in Drug Discovery" at BRR GDC Jadcherla.

Training Programmers Attended :

1. Three days training programme on "Human Values & Professional ethics". at MVS GDC.
2. Two days training programme "NIPUNA"

Orientation / Refresher :

1. Refresher Course attended at ASC, OU Hyd.
2. Orientation course attended at ASC, UoH, HYD
3. SWAYAM ARPIT On line refresher course (MOOCs) in Chemistry. MARCH 2019

Additional Responsibilities : In charge of Department of Geology

Awards/Medals/Merit Certificates Received : Nil

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CURRICULUM – VITAE

Name : **Sri. R.CHANDRASHEKAR**
Designation : ASST.PROF. OF CHEMISTRY
Date of Birth : 03-08-1972
Date of first appointment : 26-10-1998 As SGTTeacher



Date of Entry into Service UG Level : 1-08-2016
Academic Qualifications : M.Sc., B.Ed., SET (Pursuing Ph.D.)
Topics/Area of Research : Nil
Details of Publications : Nil
Seminars/Workshops : 03

1. NIPUNA-2017 (3 DAY INDUCTION PROGRAMME)
- 2 Seminar on Molecular and NMR Spectro Scopy -2017
3. Out Reach Programme - 2019

Training Programmers Attended : Nil

Orientation / Refresher in : 1. SWAYAM ARPIT On line refresher course (MOOCS)
Chemistry. Feb -2020

Extra Curricular Activities : 1. Additional Controller of Examinations.
2. BOS member in Chemistry at MGU, NLG for 2017-2019 Academic years.

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CURRICULUM – VITAE

Name : **Dr. P. Balaswamy**
 Designation : Asst. Prof. of Chemistry
 Date of Birth : 16-11-1982
 Date of first appointment : 14-09-2012
 Date of Entry into Service UG Level : 31-07-2016
 Academic Qualifications : M.Sc., Ph.D.
 Topics/Area of Research : Green Chemistry.
 1. Details of Publications : 04



1	Balaswamy. P, Aravind. S, Satyanarayana. B*, "Synthesis Of Pyrrolidines And Tetrahydropyrimidines <i>Via</i> One-Pot And Three Component Cascade Coupling Strategy In Water" (2017). <i>Rasayan Journal of Chemistry</i> , 10 (1), 6- 12
2	Balaswamy. P, Aravind. S, Satyanarayana B*, "Polyethylene Glycol-400 Used As Phase Transfer Catalyst For One-Pot Synthesis Of 2-Amino-3-Cyanopyridine Derivatives Under Aqueous Conditions", (2017). <i>Rasayan Journal of Chemistry</i> , 10 (4), 1334-1339.
3	P. Balaswamy, S. Aravind*, S. Purushotham Reddy, and B. Satyanarayana* Synthesis, Antimicrobial Activity, and Docking Studies of 2-Mercapto Substituted Quinazolin-4(3 <i>H</i>)-one and Their Derivatives. <i>Russ J. of Gen. Chem</i> , 2018, Vol. 88,4 pp 744-779.
4	P. Balaswamy, P. Ramchander Green synthesis of silver nanoparticles using secondary metabolites as reducing and stabilizing agent in presence of microwave. <i>Chem sci Trans.</i> , 2020, 9(4), pp 160-167.

Seminars/Workshops : 1. Indian Science Congress 2017 attended.
 Orientation / Refresher : Orientation course-1, Refresher course-1
 Extra Curricular Activities :

1. FAC Principal.
2. NSS Programme Officer
3. Examination In-charge
4. NCC CTO/ANO
5. UGC Coordinator

Rds/Medals/Merit Certificates Received : CSIR – JRF

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CURRICULUM – VITAE

Name : Dr. B. Bixamaiah
 Designation : Asst. Prof. of Chemistry
 Date of Birth : 01-08-1963
 Date of first appointment : 06-04-1996
 Date of Entry into Service UG Level : 01-08-2013
 Academic Qualifications : M.Sc., Ph.D.
 Topics/Area of Research : Polymers
 2. Details of Publications : 08



1. Viscosity studies of Poly(Ethyl Methacrylate) *J.polym.Mater.*7(1990),327-330
2. Charge Transfer Copolymerization and Characteristics of 2-vinyl pyridine with Methyl Methacrylate and Ethyl Methacrylate. *Die Angewandte Macromoleculare Chemie* 188(1991) 97-103 (Nr.3147)
3. Radical Copolymerization of 2-Vinyl Pyridine with Ethyl Methacrylate and Butyl Methacrylate in Diethyl formamide. *J.Indian Chem.Soc.* Vol.68, April 1991, pp. 231-234.
4. Charge Transfer Copolymerization and Characterization of Ethyl Methacrylate with Acrylonitrile and Methacrylonitrile. *Polymer Science – PP* 282-286 (1991). *International Symposium at Pune.*
5. Charge Transfer Copolymerization and properties of Isopropyl Methacrylate with Acrylonitrile and Methacrylonitrile. *Journal of Applied Polymer Science, Vol.44 (1992) 1415-1412.*
6. Charge Transfer Copolymerization and sequence-length distribution of Methyl Methacrylate with Acrylonitrile and Methacrylonitrile. *Macromolecular Reports, A29 (SUPPL-1) 71-86(1992)*
7. Synthesis and Characterization of Copolymers of Acrylonitrile with Vinyl Propionate and Vinyl Butyrate. *Macromolecular Reports, A30(SUPPLS-1&2) 67-82(1993)*
8. Radical Copolymerization and thermal properties of methacrylonitrile with vinyl propionate and vinyl butyrate copolymers. *Macromolecular Reports, A30(SUPPLS-3&4) 211-223(1993)*

Seminars/Workshops : 03

1. National Symposium on Polymer Chemistry.1990. At Sardar Patel University, Gujarat.
2. International Symposium on polymers at Pune.
3. Online STC on ICT TOOLS IN HIGHER EDUCATION from 20-08-2020 to 26-08-2020 by UGC HRDC OU.

Orientation / Refresher Courses : 03

1. Orientation Course at MANUU, Hyderabad-2015.
2. Refresher course at MANUU, Hyderabad-2018
3. SWAYAM ARPIT On line refresher course (MOOCS) in **Chemistry**. MARCH 2019


Additional Charges :

1. Assistant to the Principal
2. Deputy Warden.
3. Loco-Parent
4. Examination In-charge
5. NSS Programme Officer.
6. Academic Coordinator.
7. PG Courses Coordinator.
8. In-charge of PG Department of Chemistry.

Rds/Medals/Merit Certificates Received : Merit Certificate from KU (PG).
CSIR Fellowship

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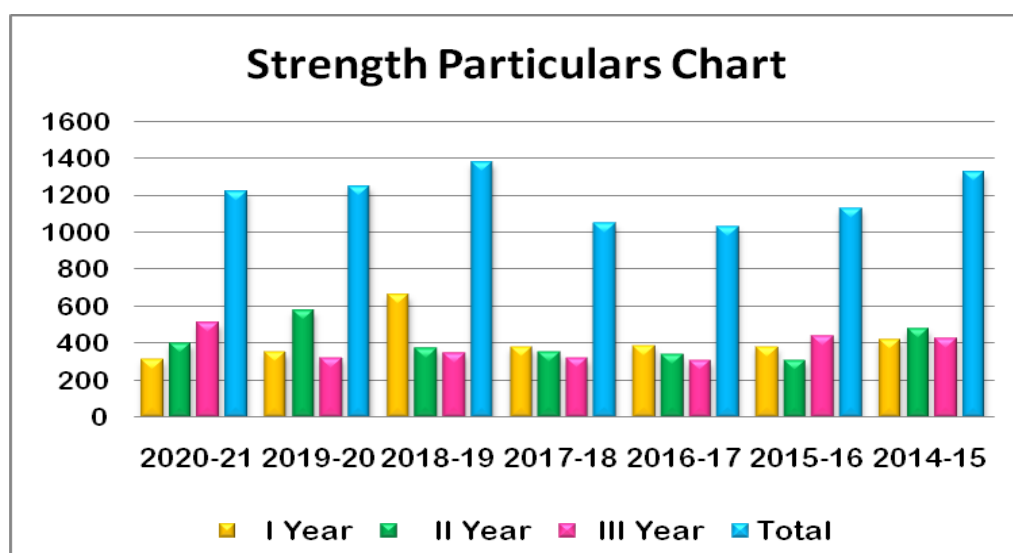
CURRICULUM – VITAE

Name	:	Kommu Naresh	
Designation	:	Asst. Professor of Chemistry	
Date of Birth	:	11-07-1985	
Date of first appointment	:	01-01-2013	
Date of Entry into Service UG Level	:	01-01-2013	
Academic Qualifications	:	M.Sc	
Topics/Area of Research	:	Bio-Physical Chemistry	
Details of Publications	:	1. Applications of Fluorescence Spectroscopy <i>Journal of Chemical and Pharmaceutical Sciences, ISSN: 0974-2115</i>	
Seminars/Workshops	:	03	
Orientation / Refresher Courses	:	1. Orientation Course at MANU,Hyd, June-2013 2. Refresher Course at HCU,Hyd, June- 2016	
Additional Responsibilities	:	In-charge of Department of Industrial Chemistry	

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STUDENTS STRENGTH PARTICULARS

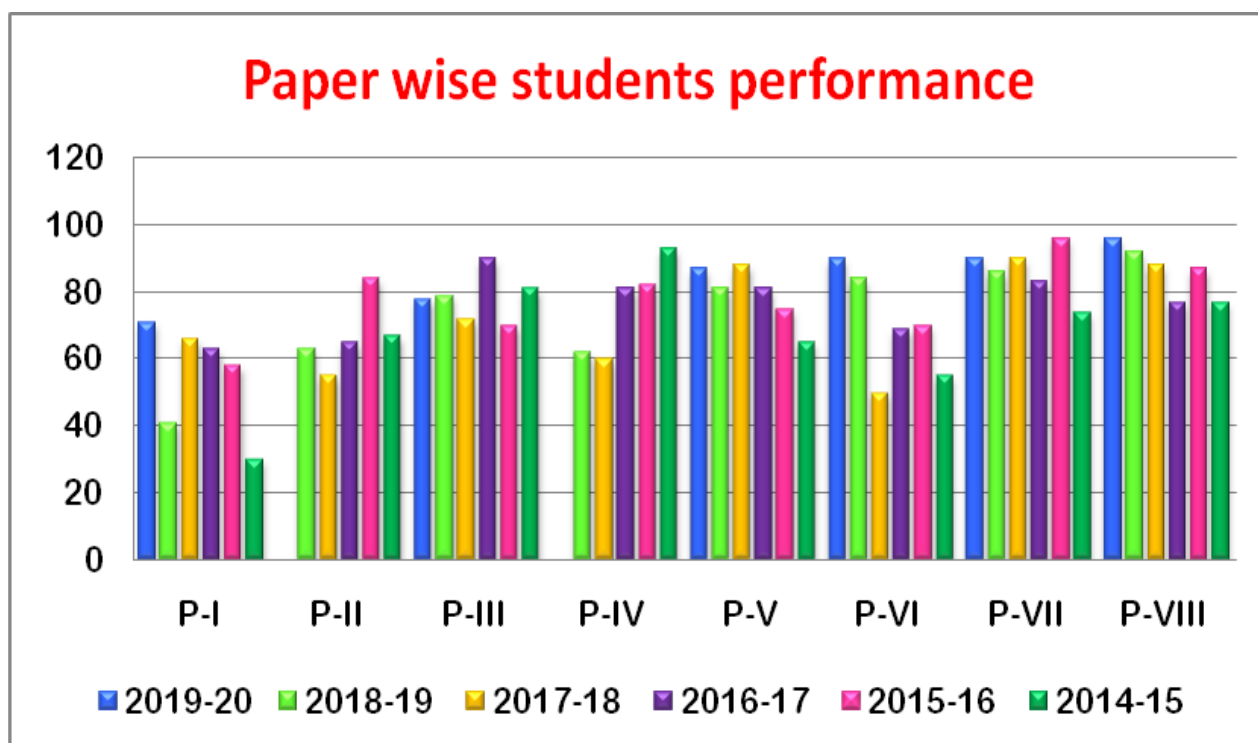
S. No	Year	I Year	II Year	III Year	Total
1	2020-21	311	399	508	1218
2	2019-20	361	576	321	1258
3	2018-19	660	371	345	1376
4	2017-18	378	350	319	1047
5	2016-17	384	339	304	1027
6	2015-16	379	308	440	1127
7	2014-15	420	474	427	1321



STUDENTS' PASS PERCENTAGE

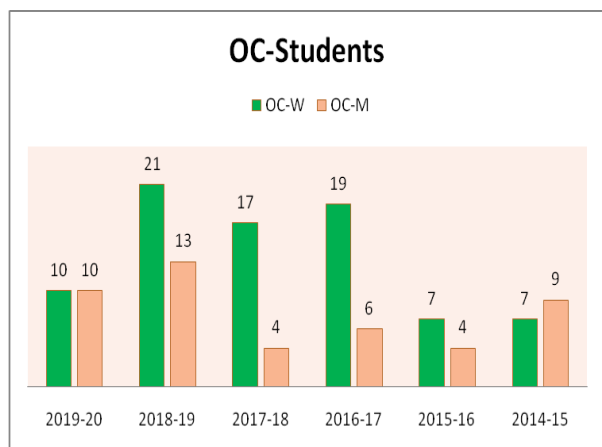
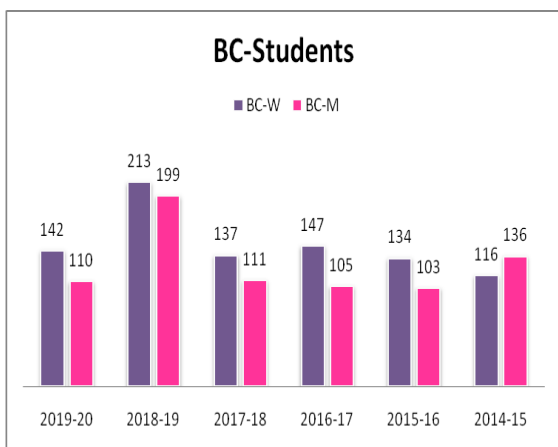
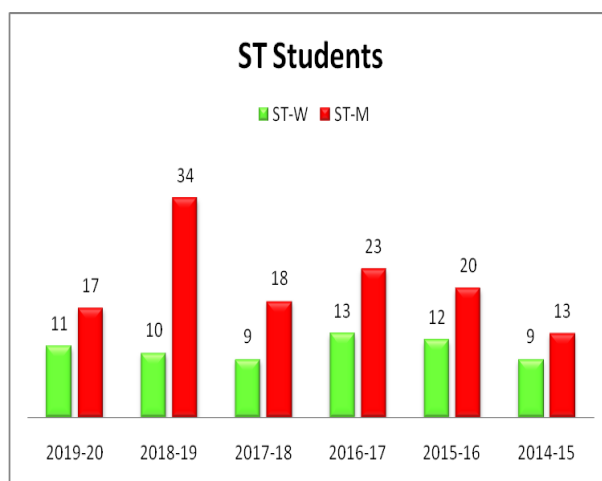
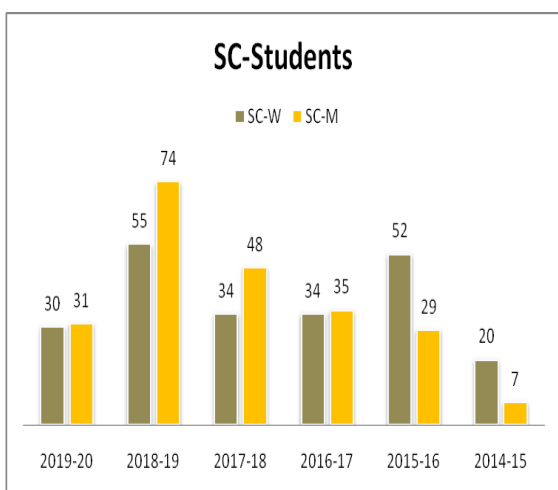
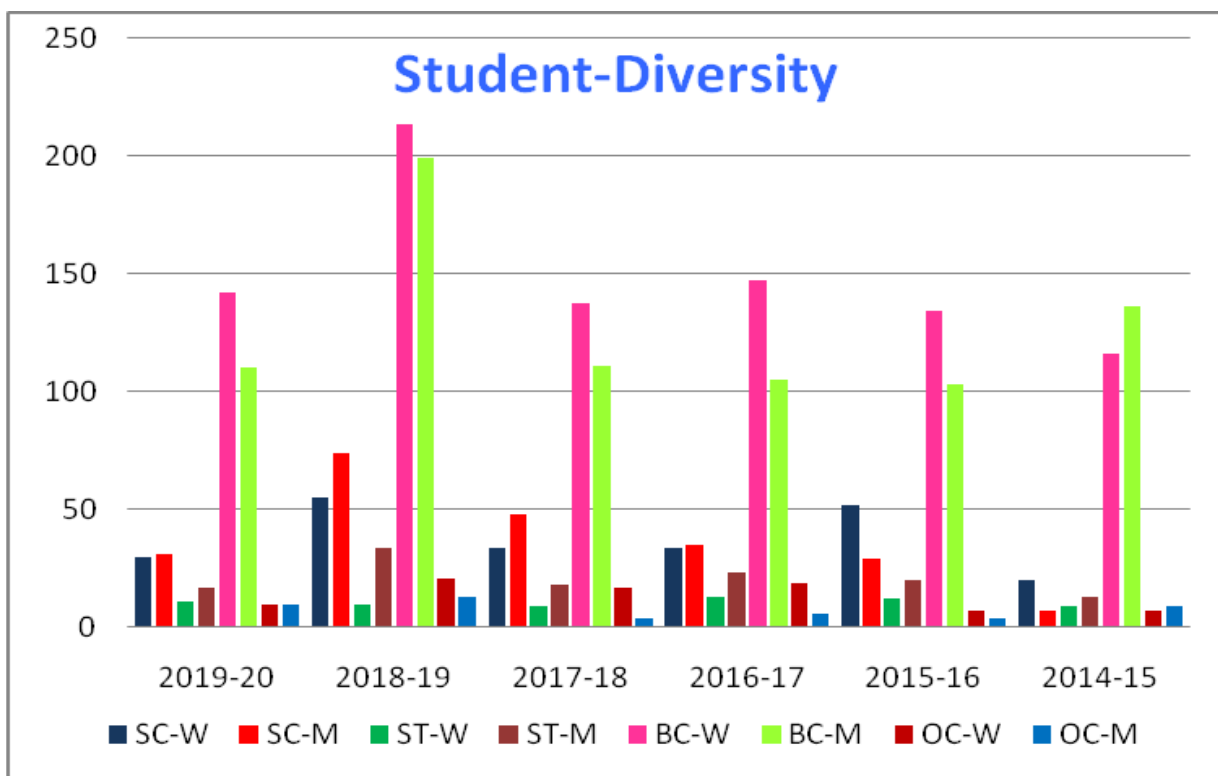
LAST SIX YEARS PAPER WISE STUDENTS PERFORMANCE

Year	P-I	P-II	P-III	P-IV	P-V	P-VI	P-VII	P-VIII
2019-20	71	NA	78	NA	87	90	90	96
2018-19	41	63	79	62	81	84	86	92
2017-18	66	55	72	60	88	50	90	88
2016-17	63	65	90	81	81	69	83	77
2015-16	58	84	70	82	75	70	96	87
2014-15	30	67	81	93	65	55	74	77



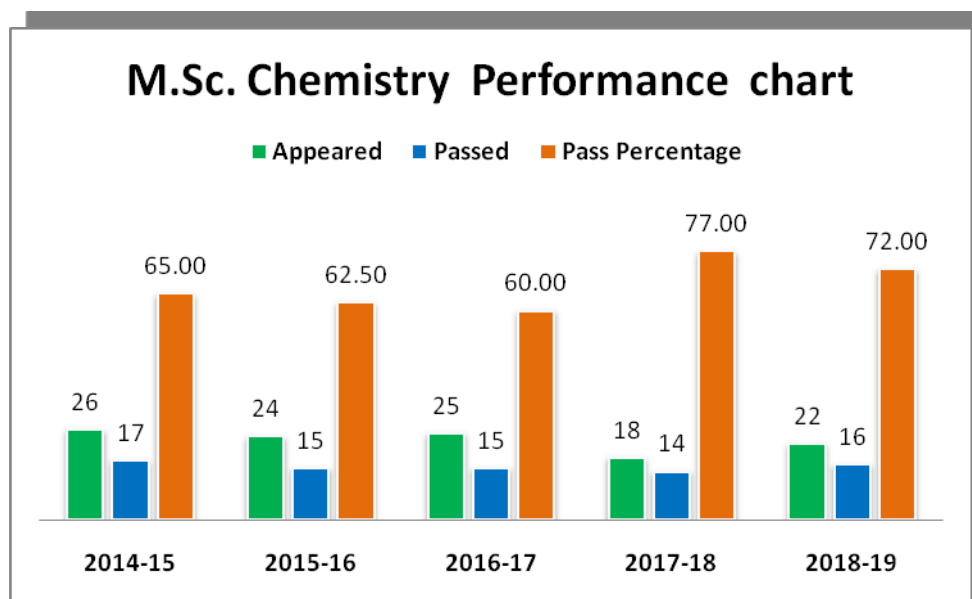
Student-Diversity

Year	SC		ST		BC		OC		Total	
	W	M	W	M	W	M	W	M	W	M
2019-20	30	31	11	17	142	110	10	10	193	168
2018-19	55	74	10	34	213	199	21	13	299	320
2017-18	34	48	09	18	137	111	17	04	197	181
2016-17	34	35	13	23	147	105	19	06	213	169
2015-16	52	29	12	20	134	103	07	04	205	156
2014-15	20	07	09	13	116	136	07	09	151	165



STUDENT PERFORMANCE IN M.Sc., Organic Chemistry

Academic Year	Appeared	Passed	Pass Percentage
2014-15	26	17	65%
2015-16	24	15	62.5%
2016-17	25	15	60%
2017-18	18	14	77%
2018-19	22	16	72%



Participation of Teachers in Academic activities other than Teaching and Research:

The faculty members have completed their mandatory requirement of refresher courses and orientations courses sponsored by UGC, Senior members of the faculty have attending for extension lectures as resources persons at different colleges.

The Faculty is actively participating in Co-curricular and extracurricular activities in the college.

Most of the faculty of our Department is discharged the duties like Controller of Examination, Academic Coordinator, Examination Branch members, NSS, NCC, Subjects experts, Board of Studies member, Interview member, Jury Member, PG Coordinator, other Departments In-charges etc.

ADDITIONAL RESPONSIBILITIES OF FACULTY

FACULTY NAME	ADDITIONAL RESPONSIBILITIES
Sri V. Srinivasulu	<ul style="list-style-type: none"> ➤ Academic Coordinator, ➤ In charge of Chemistry & Industrial Chemistry Departments
Sri K. Nagireddy	<ul style="list-style-type: none"> ➤ In charge of Computer Science Department
Sri Y. Yadagiri Rao	<ul style="list-style-type: none"> ➤ In charge of Biotechnology Department
Sri Ch. Muthaiah	<ul style="list-style-type: none"> ➤ In charge of Department of Geology & ➤ Examination Branch member
Dr. P. Bala Swamy	<ul style="list-style-type: none"> ➤ UGC Coordinator. , ➤ NCC Caretaker,
Sri R. Chandrashekar	<ul style="list-style-type: none"> ➤ COE additional Controller ➤ BOS Member in Chemistry MGU for 2017-2019 Academic years.
Sr. K. Naresh	<ul style="list-style-type: none"> ➤ In charge of Industrial Chemistry Department
Dr. B. Bixamaiah	<ul style="list-style-type: none"> ➤ Academic Coordinator, ➤ PG Courses Coordinator, ➤ Examination In-charge, ➤ NSS Programme Officer, ➤ In-charge of PG Department of Chemistry, ➤ Jury Member for District level Science Exhibition organized by School Education Department, at Nalgonda, ➤ Interview Board member in chemistry for Navodaya Institution, at Nalgonda

Seminars/Conferences/Workshops/Lectures/Projects Organized

Sl. No.	Year	Details of the Seminar organized
1.	2013	Extension Lecture on “Green Chemistry “
2	2014	Seminar on “A Novel Approach Methods in Catalysis”.
3	2014	Chemistry Quiz – Inter College competition
4	2015	A Symposium on “New Developments in Chemistry”.
5	2017	Seminar on “NMR Spectroscopy”.
6	2017	Seminar on “Molecular Symmetry & NMR Spectroscopy”.
7	2017	Student Study Project on “Adulteration of Food Stuff”.
8	2018	Guest lecture on “Green Chemistry, Role of Catalysis”.
9	2018	Student Study Project on “Identification of Insecticides and Pesticides present in Fruits and Vegetables”.
10	2020	Extension Lecture through Webinar on “Drug Discovery and Development”.

Criterion-I : Curricular Aspects

Curriculum Design and Development

- Every Year BOARD OF STUDY (BOS) Conducts & updates the syllabus and Panel of examiners
- Academic Flexibility** : Offering 09 UG Courses, Offering 01 PG Course i.e., Organic chemistry
- Mathematics, Botany, Zoology, Bio-technology, Microbiology, Industrial Chemistry combinations with Chemistry introduced to meet the demand

Student Projects

- ❖ Jignasa Student study project on "Adulteration of Food Stuff".
- ❖ Synthesis of Aspirin based on Green synthesis
- ❖ Analysis of cold drinks and impact on human body
- ❖ Detection of harmful ions and defluorination techniques for water analysis
- ❖ Hardness of water.

Curriculum Design and Development

- As the college is autonomous ~10 % syllabus is changed by adding new rational competitive topics.
- Green Chemistry, Nanotechnology, etc.
- Introduced Student Projects.

Student Centric Activities

- As part of teaching learning process the department focuses on implementation of students centric activities as Students admitted in the college are mostly from rural areas and underprivileged sections.
- **Students Seminars & Group Discussion**
- **Student Study Projects**
- **Use of ICT methods in teaching**
- **Quiz , Essay Writing and Elocution**
- **Student Assignments**

Curriculum enrichment

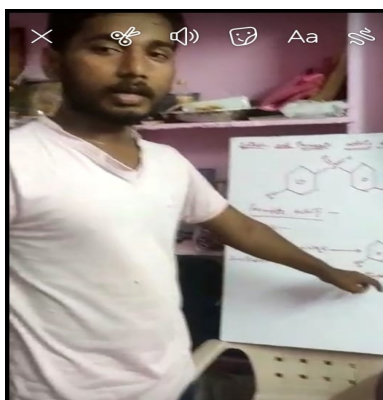
- ✓ Guest Lectures were organized in stipulated time
- ✓ Extension Lectures were organized as per the schedule
- ✓ Student Seminars were Organized

Criterion 2:

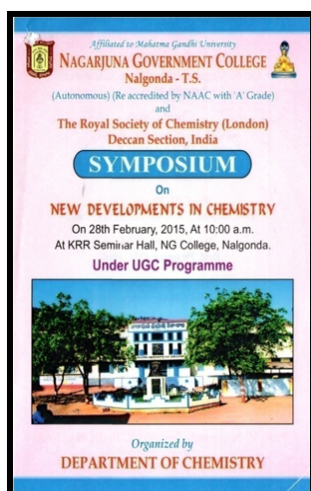
Teaching Learning and Evaluation

- Encourage the students for Quiz, Seminars and Group Discussions.
- Assignments on general topics other than chemistry to enhance the Personality Development of students.

Student seminars:



Through Online Student Seminar

SYMPOSIUM ON “NEW DEVELOPMENTS IN CHEMISTRY”**On 28th February, 2015**

Inviting Guests :
Dr. K. Venkatakrishna



Participants



Chairperson: Dr. K. Nagender Reddy



Resource Person:

Seminar on "Molecular Symmetry & NMR Spectroscopy" Sponsored by UGC Grants

On 17-10-2017



Inter Colleges Quiz in Chemistry Competition Sponsored by Royal Chemical Society, Deccan Division, London on 05-12-2014

Dr.V. Peesapati



**Seminar on “Sustainability: Green Chemistry, Role of Catalysis”
On 27-01-2018**



Dr. N. Lingaiah, Sr. Scientist, IICT Hyd.

EXTENSION LECTURE ON SPECTROSCOPY ON 17-02-2018

Resource Person : Dr. D. Ramesh, Asst. Professor, MGU, Nlg



Guest Lecture By Sri Dr.
S.Sharma(Sr.Chemist GSI) (30-08-
2018)



Guest Lecture By Sri K. Ravi
(22-09-2018)

Extension Lecture through Webinar on “Drug Discovery and Development”

By Dr. Y. Mahesh Kumar, Scientist Sai Life Sciences, Hyd

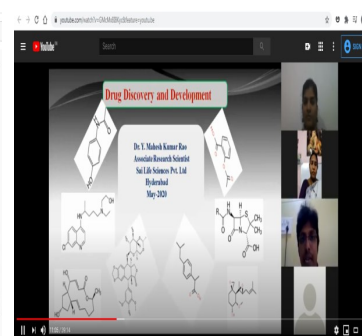
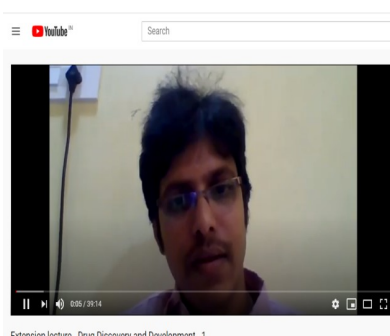
EXTENSION LECTURE

On
Drug Discovery and Development

NAGARJUNA GOVERNMENT COLLEGE
Nalgonda
Department of Chemistry

by
Dr. Y. Mahesh Kumar Rao
Associate Research Scientist
Sai Life Sciences Pvt. Ltd.
Hyderabad

14th May, 2020
4:00 PM IST



Intra College Chemistry Quiz



JIGNASA STUDY PROJECTS

GUIDED BY DR. B. BIXAMAIAH

1. ADULTERATION OF FOOD STUFF

Selected for State Level Participation in the year 2017-18



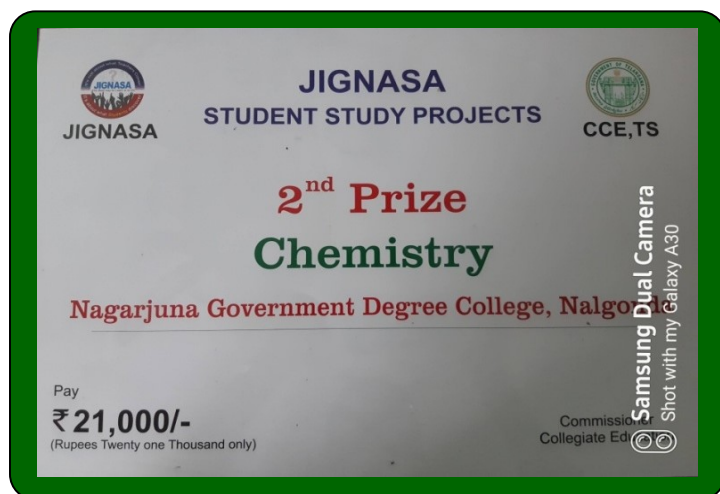
Explaining Project

Receiving Certificate



2. "Identification of Insecticides and Pesticides Present in Fruits and Vegetables"

Selected in District level and also got 2nd prize with cash in State Level



Dr. B. Bixamaiah, Jury member in District level Science Exhibition**Information Communication Technology**

S.No.	Type of ICT	Number
1	Number of Charts	24
2	List of Charts-Number of charts prepared by students	10
3	Number of PPTs	32
4	Number of models prepared by students	05
5	Ball and stick Models	2 sets
6	Number of Video Lectures by staff and Students	64

LIST OF YOUTUBE VIDEO LESSONS

S.NO	NAME OF THE FACULTY	DATE	TOPIC OF THE VIDEO LESSON	YOU TUBE OR GOOGLE DRIVE LINK
1	Balaswamy P	7/21/2020	Gaseous State	https://youtu.be/Dq00SxYQEM8
2	Balaswamy P	7/23/2020	Gaseous State	https://youtu.be/92vAJeYhYBM
3	Chandrashekar R	7/24/2020	Part-4	https://youtu.be/TjR9dN4SQRa
4	Dr. B Bixamaiah	7/16/2020	Photochemistry	https://youtu.be/xlUzyGcY5IE
5	Dr. B Bixamaiah	7/17/2020	Photochemistry1	https://youtu.be/xlUzyGcY5IE
6	Dr. B Bixamaiah	7/17/2020	Electroanalytical Chemistry	https://youtu.be/L4_vrsrpdgA
7	Dr. B Bixamaiah	7/18/2020	Electroanalytical Chemistry 2	https://youtu.be/DT8CvxCMmhs
8	Dr. B Bixamaiah	7/21/2020	Photochemistry 2	https://youtu.be/8Coo7aqQf8Y
9	Dr. B Bixamaiah	7/22/2020	Thermodynamics	https://youtu.be/D5MHnrUZfPk
10	Dr. B Bixamaiah	7/23/2020	Thermodynamics 2	https://youtu.be/9-9c49p2sJo
11	Dr. B Bixamaiah	7/24/2020	Chemical Kinetics 1	https://youtu.be/UGGcEzo2oUg
12	Dr. B Bixamaiah	7/25/2020	Chemical Kinetics 2	https://youtu.be/8QH62YQdXWw
13	Dr. B Bixamaiah	7/27/2020	Chemical Kinetics 3	https://youtu.be/XwGf_pvZPQw
14	Dr. Balaswamy P	7/17/2020	Atomic Structure	https://youtu.be/ESpeNehe1Yg
15	Dr. Balaswamy P	7/17/2020	Atomic Structure	https://youtu.be/eB178_wE0Nw
16	Dr. Balaswamy P	7/18/2020	Atomic Structure	https://youtu.be/Pg7JiaPPpKI
17	Dr. Balaswamy P	7/24/2020	Gaseous State	https://youtu.be/bAiedfaac5Q
18	Dr. Balaswamy P	7/25/2020	Isomerism	https://youtu.be/WmEITZXps40
19	Dr. Balaswamy P	7/27/2020	Conformational Analysis	https://youtu.be/ZGhh-GGZnks
20	K Pruthu	7/16/2020	Elements Location	https://youtu.be/EC8vozASb4o
21	K Pruthu	7/17/2020	F Block Elements	https://youtu.be/3XaBIXj_G6w
22	K Pruthu	7/23/2020	F Block Elements Actinids	https://youtu.be/jff-iHHp0qU
23	K Pruthu	7/24/2020	Complex Compounds	https://youtu.be/8bPb2eMsPUA
24	K Pruthu	7/25/2020	Introduction	https://youtu.be/x9aQ9ztH5a8
25	K. Manjula	7/16/2020	The Terminology	https://youtu.be/rK4pRDWijHc
26	K. Manjula	7/17/2020	System	https://youtu.be/ebNzcOl4cyU
27	K. Manjula	7/18/2020	Silver System	https://youtu.be/O3quHpsHQb4
28	K. Manjula	7/18/2020	Lead System	https://youtu.be/O3quHpsHQb4
29	K. Manjula	7/21/2020	Magnesium System	https://youtu.be/zk-fWQZaNN8
30	K.Nagi Reddy	7/22/2020	Compounds:Alcohols	https://youtu.be/iRSkbePe2Bs
31	K.Nagi Reddy	7/23/2020	Reactivity Of Alcohols	https://youtu.be/QnlqNAyo6W8
32	K.Nagireddy	7/16/2020	Catalytic Properties Of D- Block elements	https://youtu.be/Zl0VrzvTaWw
33	K.Nagireddy	7/17/2020	And Oxidation States Of D-Block elements	https://youtu.be/7SkY503LbIE
34	K.Nagireddy	7/18/2020	Group 18 Elements	https://youtu.be/wwAw4uhUFC8
35	K.Nagireddy	7/21/2020	Sn1 And Sn2 Reactions	https://youtu.be/eZCCj53Ac3Q
36	K.Nagireddy	7/24/2020	Preparation Of Alcohols	https://youtu.be/f_On_cBDYxU
37	Muthaiah Chintha	7/20/2020	Crystal Field Theory	https://youtu.be/cfyUAFHLALU
38	Muthaiah Chintha	7/21/2020	Properties Of Metal Complexes	https://youtu.be/RCTBq_w1-S0
39	Muthaiah Chintha	7/22/2020	Metal Complexes	https://youtu.be/nMFLWhSYUK0

40	Muthaiah Chintha	7/25/2020	Bioinrganic Chemistry	https://youtu.be/2fAuXKHT4Mw
41	Muthaiah Chintha	7/26/2020	Hsab Principle	https://youtu.be/ujCyB9Dty4g
42	Naresh Kommu	7/16/2020	Mass Spectrometry 1	https://www.youtube.com/watch?v=N3PW3aZEqM&t
43	Naresh Kommu	7/17/2020	Mass Spectrometry 2	https://www.youtube.com/watch?v=N3PW3aZEqM&t
44	Naresh Kommu	7/18/2020	Mass Spectrometry	https://www.youtube.com/watch?v=E-51bGqM1ls
45	Naresh Kommu	7/21/2020	Mass Spectrometry Part-4	https://www.youtube.com/watch?v=137aDMfyS3I
46	Naresh Kommu	7/22/2020	Enzymatic Catalysis	https://youtu.be/AsXhJDenJmg
47	Pruthu K	7/18/2020	Elements_ Lanthanides And	https://youtu.be/rIPRa1IPFBY
48	R. Chandrashekar	7/17/2020	F Blackelements Part-2	https://youtu.be/wqGFyrupttU
49	R. Chandrashekar	7/18/2020	F Blackelements	https://youtu.be/2CHpRDi-k5Q
50	R. Chandrashekar	7/21/2020	Part-1	https://youtu.be/WX4e9iz4_7E
51	R. Chandrashekar	7/22/2020	Part-2	https://youtu.be/NsGC-BmZYfM
52	R. Chandrashekar	7/23/2020	Part-4	https://youtu.be/ZRdok6B-2UQ
53	R. Chandrashekar	7/25/2020	Part - 5	https://youtu.be/1ble3yV4BUo
54	V. Srinivasulu	7/17/2020	Hydrocarbons	https://youtu.be/bxyrKY2eRfQ
55	V. Srinivasulu	7/18/2020	Nitro Hydrocarbons	https://youtu.be/Ky0ziYdVEms
56	V. Srinivasulu	7/19/2020	And Its Reactivity	https://youtu.be/wZJROAfPmGI
57	V. Srinivasulu	7/21/2020	N ,Stability	https://youtu.be/GHMrF36SfU0
58	V. Srinivasulu	7/22/2020	Hydrogens& Tautomerism	https://youtu.be/2CUIEXp6Htk
59	V. Srinivasulu	7/23/2020	Reaction	https://youtu.be/SNz9PRkKisc
60	V. Srinivasulu	7/24/2020	Perkins Reaction	https://youtu.be/eKagy8s3b9Y
61	Y. Yadagiri Rao	7/20/2020	THERMY	https://youtu.be/I5ZcS3m8UhQ
62	Y. Yadagiri Rao	7/20/2020	THERMODYNAMICS	https://youtu.be/d7DUICbXLO8
63	Y. Yadagiri Rao	7/22/2020	THERMODYNAMICS	https://youtu.be/gkOuJXYEjk4
64	Y.Yadagiri Rao	7/24/2020	THERMODYNAMICS	https://youtu.be/8Y2WE2hw7Fg

Evaluations

- Induction Class
- Assessment Test
- Tests
- Assignments
- Quiz, Seminars and Group Discussions
- General topics other than chemistry to enhance the Personality
- Tutorial classes for PG Entrance
- Projects

Criterion - 3

Research, Innovations and Extension

- ❖ Ph.D. holders – 02
- ❖ Pursuing Ph.D. holders : 04
- ❖ Research Publications : 04
- ❖ RC & OC Completed : 15
- ❖ Swayam Courses : 07
- ❖ Jignasa Study projects : 02

Criterion 4:

Infrastructure & Learning Resources

Infrastructure:

- ❖ A Store Room for Stocking Chemicals
- ❖ A separate Balance room
- ❖ Facilitated Labs : 03
- ❖ Separate Staff Room .
- ❖ Book library
- ❖ Computer with internet
- ❖ LCD Projector

Instruments – 34

- Conducto meters
- Colorimeters
- Potentiometers
- Magnetic Stirrer
- Digital Weighing pan
- Melting point apparatus
- Digital pH meters
- Water baths
- Hot Air oven
- Water Distillation set
- Suction pump

Criterion – 5

Student Support and Progression

- PG Coaching.
- Maintaining Quality Education, many are Join in various central & State Universities.
- Helping them in getting Merit Scholarships.
- Helping them in securing jobs.
- Trying to maintain Success rate.
- Assignments were given.
- Encouraging with Gold Medals.
- Every year our students getting PG admission in various central & State Universities.
- Student Study Projects.
- Student participation in Seminars.

Student Progression to Higher Education

Sl.No.	Name of the Students	Achievements	Year
1.	Tejasri (14 th rank OU)	Organic Chemistry OU	2019
2.	Sai Yashaswini (42 nd rank OU)	Chemistry OU	2019
3.	Ravi (MCIC)	Chemistry Telangana University	2019
4.	Triveni (MCIC)	Organic Chemistry, MGU	2019
5.	Juvwria Nanzeen	Organic Chemistry, MGU	2019
6.	K. Shireesha	Organic Chemistry, MGU	2019
7.	R. Manasa	Organic Chemistry, MGU	2019
8.	N. Shankar	Organic Chemistry, MGU	2019
9.	N. Pavan Kumar	Organic Chemistry, MGU	2019
10.	Shiva	Chemistry, OU	2019
11.	Ajay	Organic Chemistry, MGU	2019
12.	P. Ganesh	Organic Chemistry, Telangana University	2019
13.	K. Pavan	Chemistry OU	2019
14.	Venkanna	Chemistry Telangana University	2019
15.	Jyoshna	Chemistry OU	2019
16.	N. Jangaiah	Production Manager, Hetero Drugs	2019
17.	Bhuvana	Police Constable	2019
18.	Swathi	Police Constable	2019
19.	B. Bhargavi (3 rd rank OU)	Organic Chemistry OU	2018
20.	K. Madhu (27 th rank KU)	Organic Chemistry KU	2018
21.	T. Sravya Sri (34 th rank OU)	Organic Chemistry OU	2018
22.	K. Geeta	Inorganic Chemistry , Koti Women's, OU	2018
23.	M. Swoumya	Inorganic Chemistry , Koti Women's, OU	2018
24.	Ch. Priyanka	Physico Organic Chemistry , Saifabad,	2018

25	Suchitra	Inorganic Chemistry , OU	2018
26	B. Shirisha	Organic Chemistry , Saifabad,	2018
27	K. Manikanta	Pharmaco informatics, Nizam College	2018
28	M. Pavan	Physical Chemistry, Nizam College,	2018
29	D. Shiva Shankar	Organic Chemistry, T U, Biknoor.	2018
30	Mounika	Organic Chemistry, TU, Ditchpally.	2018
31	R. Pavan	Organic Chemistry, NG College, Nalgonda.	2018
32	M. Nagamani	Organic Chemistry, NG College, Nalgonda.	2018
33	B. Naresh (17 th rank OU)	Organic Chemistry O.U.	2017
34	M. Swamy (32 rank OU)	Organic Chemistry O.U.	2017
35	M. Yaswanth	Physical Chemistry, Nizam College,	2017
36	K. Narender Reddy	Pharmaco informatics, Nizam College	2017
37	S. Shankar	Physical Chemistry, Mirzapur	2017
38	N. Srikanth	Physical Chemistry, Mirzapur	2017
39	B. Praveen	Inorganic Chemistry, Mirzapur	2017
40	Afeefa, (O.U. 5 th Rank)	Organic Chemistry O.U.	2016
41	Shiva	Physical Chemistry O.U.	2016
42	Narender	Physical Chemistry O.U.	2016
43	Dhanunjaya	Physical Chemistry O.U.	2016
44	Manisha	Physical Chemistry O.U.	2016
45	Ashwini	Physical Chemistry O.U.	2016
46	R. Renuka	Organic Chemistry M.G.U	2016
47	Sreekanth	Organic Chemistry M.G.U	2016
48	Praveen	Physical Chemistry O.U	2015
49	T. Nagaraju	Phy. Organic Chemistry O.U	2015
50	Mounika	Physical Chemistry O.U	2015
51	B. Jeveetha	Physical Chemistry O.U	2015
52	Asma	Physical Chemistry O.U	2015
53	G. Prakash	Organic Chemistry O.U	2015
54	Ramakrishna	Phy. Organic Chemistry O.U	2015
55	K. Ramesh	Organic Chemistry O.U	2014
56	R. Ruchitha	Organic Chemistry M.G.U	2014

Year wise Academic Progression

Sl.No.	Academic Year	Total No. of students
1	2019-20	18
2	2018-19	21
3	2017-18	07
4	2016-17	08
5	2015-16	07
6	2014-15	02
7	2012-13	07

Criterion - 6**Governance, Leadership and Management****Boards of studies**

The Board of Studies meetings are conducted in the beginning of every academic year

BOARD OF STUDIES FROM 2014-15 TO 2020-21

Year	Chairman	University Nominee	Subject Expert	Subject Expert	Members:	
2014-15	Sri. K. Prabhakar Reddy	Dr. S.R. Annapurana, Associate Professor, MGU, Nalgonda	Dr. A. Bhanuprasad, Principal, GDC Ramannapet,	Dr. M. Vasantha, Associate Professor, MGU, Nalgonda	Sri. P. Yedukondalu Sri. K. Ravi Dr. K. Venkatakrishna	Sri. M. Venkateswarlu Dr. Ch. Govardhan Sri. P. Ravi Kumar
2015-16	Sri. P. Yedukondalu	Dr. D. Ramesh, Assistant Professor, MGU, Nalgonda	Dr. A. Bhanuprasad, Principal, GDC Ramannapet, Nalgonda dist	Smt. K. Manjula, Lecturer in Chemistry, GDC (W), Nilg	Sri. P. Ravi Kumar Dr. K. Venkata Krishna Sri. K. Ravi Sri. M. Venkateswarlu.	Sri. K. Ravi Kumar. Smt. V. Bhavani. Sri. T. Saidulu Kumari K. Saritha. Kumari A. Mamatha
2016-17	Sri. P. Yedukondalu	Dr. D. Ramesh, Asst. Prof., MGU, Nalgonda	Dr. A. Bhanuprasad, Principal, GDC Ramannapet, Nalgonda dist.	Smt. K. Manjula, Lecturer in Chemistry, GDC (W), Nilg	Sri. P. Ravi Kumar Dr. K. Venkata Krishna Sri. K. Ravi. Sri. M. Venkateswarlu.	Sri. K. Ravi Kumar. Smt. V. Bhavani. Sri. T. Saidulu Kumari K. Saritha.
2017-18	Sri. P. Yedukondalu	Dr. A. Bhanu Prasad, Principal, GDC Ramannapet, Nalgonda dist	Smt. K. Manjula, Lecturer in Chemistry, GDC (W), Nilg	Dr. A. Srinivasulu, Assistant Professor, KRR GDC, Kodad.	Sri. P. Ravi Kumar Dr. K. Venkata Krishna Sri. K. Ravi. Dr. B. Bixamaiah Sri. M. Venkateswarlu.	Sri. K. Ravi Kumar. Smt. V. Bhavani. Sri P. Ramu Sri. B. Thirumalesh
2018-19	Sri. P. Ravi Kumar	Dr. A. Bhanuprasad, Principal, GDC Ramannapet, Nalgonda dist	Sri. P. Yedukondalu, Lecturer in Chemistry, MKR GDC Devarakonda	Dr. A. Srinivasulu, Assistant Professor, GDC Huzurnagar.	Sri. V. Srinivasulu, Sri. K. Nagi Reddy Sri. Ch. Muthaiah Sri Y. Yadagiri Rao	Sri. R. Chandrasekar Dr. P. Balaswamy Dr. B. Bixamaiah
2019-20	Sri. P. Ravi Kumar	Dr. M. Vasantha, Associate professor, MGU Nilg	Sri. K. Ravi, Assistant Professor, GDC (W) Nilg.	Smt. K. Manjula, Lecturer in Chemistry, GDC (W), Nilg	Sri V. Srinivasulu, Sri K. Nagi Reddy Sri. Ch. Muthaiah Sri Y. Yadagiri Rao	Sri. R. Chandrasekar Dr. P. Balaswamy Dr. B. Bixamaiah
2020-21	Sri. V. Srinivasulu	Dr. M. Vasantha, Associate professor, MGU Nilg	Dr. A. Srinivasulu, Assistant Professor, GDC Huzurnagar.	Dr. K. Venkatakrishna, Asst. Professor, GDC (W), Nilg	Sri K. Nagi Reddy Sri. Ch. Muthaiah Sri Y. Yadagiri Rao Sri. K. Nareish	Sri. R. Chandrasekar Dr. P. Balaswamy Dr. B. Bixamaiah

Work Load of the Faculty:

Sl.No.	Name of the Faculty	Work Load (Hours)
1	Sri V. Srinivasulu	24
2	Sri K. Nagi Reddy	21
3	Sri. Y. Yadagiri Rao	24
4	Sri. Ch. Muthaiah	20
5	Dr. P. Bala Swamy	24
6	Sri. R. Chandra Shekar	20
7	Sri. Kommu Naresh	22
8	Dr. B. Bixamaiah	22

- ✓ Teachers have been trained in Orientation and Refreshers Courses
- ✓ Teachers are trained in Skill Development, NSS, TSAT, Human Values and Professional Ethics, Gender Sensitization, SWAYAM, Entrepreneurship Training etc.,
- ✓ Members in Various administrative committees

Criterion 7

Institutional Values and Best Practices

Institutional Social Responsibility

- NSS-Campus Cleaning
- National Green Corps
- HIV- Awareness Programme
- Plantation
- Helping Juniors to help the Hostel facility
- Protect Environment
- Reduce the energy Consumption



Drug Abusing Awareness Programme

Voters Awareness Programme



GOLD MEDAL DONORS

Name of the Donor with Designation	Gold Medal Instituted in the Name of Philanthropist	Subject
P. Ramakrishna Reddy (Advocate)	Late. Yeddula. Mallareddy	Chemistry In (MPC Group)
Smt. Maddipuri. Anjamma	Late Meddipuri. Raja Mallu	Chemistry In B.Sc. Life Science

AWARDS OF GOLD MEDALS FROM 2011-2016

Sl. No	Subject	Sponsored By	In the Name of	Name of the Awardee	Father's Name	Year
1	Chemistry In (MPC Group)	P. Ramakrishna Reddy (Advocate)	Late. Yeddula. Mallareddy	Medishetti Nagaraju	Guruvaiah	2011-12
2				Anthathi Nagalaxmi	Bixam	2012-13
3				Adeeba Ummehani	Mohd Jaferghani	2013-14
4				Bheri Jeevitha	Edaiah	2014-15
5				Dhanalaxmi Bingi	Gopalu	2015-16

6	Chemistry In B.Sc Life Science	Smt. Maddipuri. Anjamma	Late Meddipuri. Raja Mallu	Mummadi Sushma	Venkateshwarlu	2011-12
7				Perika Ramanjaneyulu	Venkatesham	2012-13
8				Nelagondarasi Ramesh	Venkanna	2013-14
9				Kathi Swathi	Bhaskar	2014-15
10				Akkenapally Santhoshi Vani	Venugopala Chary	2015-16

ALUMNI OF THE CHEMISTRY DEPARTMENT

S.No	Name	Designation	Working Place
1	Dr. B. Rama Chary	Prof. in Chemistry	HCU, Hyderabad
2	Dr. D. Ramesh	Principal	G.D.C, Chandoor, Nalgonda
3	Dr. R. Ashok Reddy	Principal	G.D.C. Narayankhed
4	Dr. Ch. Govardhan	Asst. Prof. in Chemistry	Rtd. Lecturer, N.G. College Nalgonda
5	D. Govardhan	Lecturer in Chemistry	Rtd. Lecturer, N.G. College, Nalgonda
6	D. Rammurthy	Lecturer in Chemistry	Rtd. Lecturer, N.G. College, Nalgonda
7	Md. Akthar Hussain	Lecturer in Chemistry	Rtd. Lecturer, N.G. College, Nalgonda
8	N. Krishna Prasad	Principal	Rtd. Principal, N.G. College, Nalgonda
9	Dr. K. Venkatakrishna	Asst. Prof. in Chemistry	GDC (W), Nalgonda
10	Kommu Srinivas	Mandal Educational Officer	Kanagal, Nalgonda
11	K. Ravinder	Head Master	Z.P.H.S. Dandempally
12	G. Yellaiah	Principal	K.B.S. Nalgonda
13	R. Krishnaiah	Hostel Welfare Officer	Nalgonda
14	B. Verabramha Chary	School Asst.	Z.P.H.S. Bakhalwad, Miryalaguda
15	Late. Rajamallu	Lec. In Chemistry	N.G. College, Nalgonda
16	Late. Sathyanarayana	Lec. In Chemistry	G.D.C. Women, Nalgonda
17	M. L.M. Das	Prof. in Chemistry	Ethiopia
18	K. Nagender Rao	Circle Inspector	Hyderabad
19	Ajay Kumar	Group - I Service	Khammam
20	Venugopal	Scientist	
21	M. Venkatram Reddy	Lec. In Chemistry	Principal, Narayana Jr. College,
22	Thomus Sadanand	Scientist	
23	Dr. Ch. Govardhan Reddy	Scientist	
24	Beemasena Reddy	Lec. In Chemistry	Rtd. Tara GDC, Sangareddy
25	Antati Srinivas	Asst. Prof. in Chemistry	G.D.C Huzurnagar, Srpt Dist
26	Md. Jaleel Ahmed	Lec. In Chemistry	BRR GDC Jadcharla
27	K. Chandra Shaker	Asst. Prof. in Chemistry	NG. College, Nlg
28	Murali Krishna	Scientist	
29	K. Prashanthi	Asst. Prof. in Chemistry	Mahatma Gandhi University, Nalgonda
30	K. Kishore Kumar	Guest Faculty	
31	V. Swamy	Guest Faculty	
32	T. Saidulu	Guest Faculty	N.G. College, Nalgonda

Department Vision, Mission and Future Plan for Five Years:

Vision:

The Dept of Chemistry of N.G. College is seems to appear as a knowledge hub in chemistry in the future by the way to establish research lab and encourage faculty members to do basic research which enable to recognize as research supervisors in various Universities, for which the qualified faculty members are encouraged to apply minor and major research project UGC & DST, young faculty members would be allowed to apply FDP fellowship.

Mission:

The Dept of Chemistry of N.G. College is leading light in adverting chemical education rating in the high level on the possible of reputed colleges in the state of Telangana. The faculty members are planning to take up the following programs during the next five years.

Action Plan:

- To organize Extension/Guest lectures
- To encourage group discussions
- To expose the students for advanced trends in chemistry in the form of teaching modules.
- To promote the research work the department is endeavoring to get CPE status to the College.
- Lecturers are encouraged to undertake research project works.
- To establish advanced instrumentation division.
- To have linkage with local industries.
- To apply for MRPs

SWOC ANALYSIS

Strengths :

- ❖ Dedicated, well experienced and qualified teaching Faculty.
- ❖ Well equipped laboratories with running water.
- ❖ Career guidance and Counseling Programmes, job melas are conducted.
- ❖ We are conducting P.G. coaching classes.

Weaknesses :

- ✚ Entry level knowledge of Students in chemistry is very low.
- ✚ Students being to poor educated and illiterate families.
- ✚ Inappropriate Teacher-Pupil ratio.
- ✚ Inadequate supporting staff.
- ✚ Non availability of research labs.

Opportunities :

- We have M.Sc. Organic Chemistry course.
- We have Divis, (Choutuppal Town) , Dr.Redd's Laboratory, (Adavidevi Pally), and Hyderabad which is popular as Pharma hub is 100 Km away from Nalgonda, has wide scope of opportunities for students .

Challenges :

- Early Marriages of girl students.
- Poor attendance of the students due to part time jobs , because of their Economical backwardness.

