

**GOVERNMENT DEGREE COLLEGE
NARSAPUR, MEDAK Dist.**

DEPARTMENT OF PHYSICS



**HEARTY WELCOME
TO
NAAC PEER TEAM**



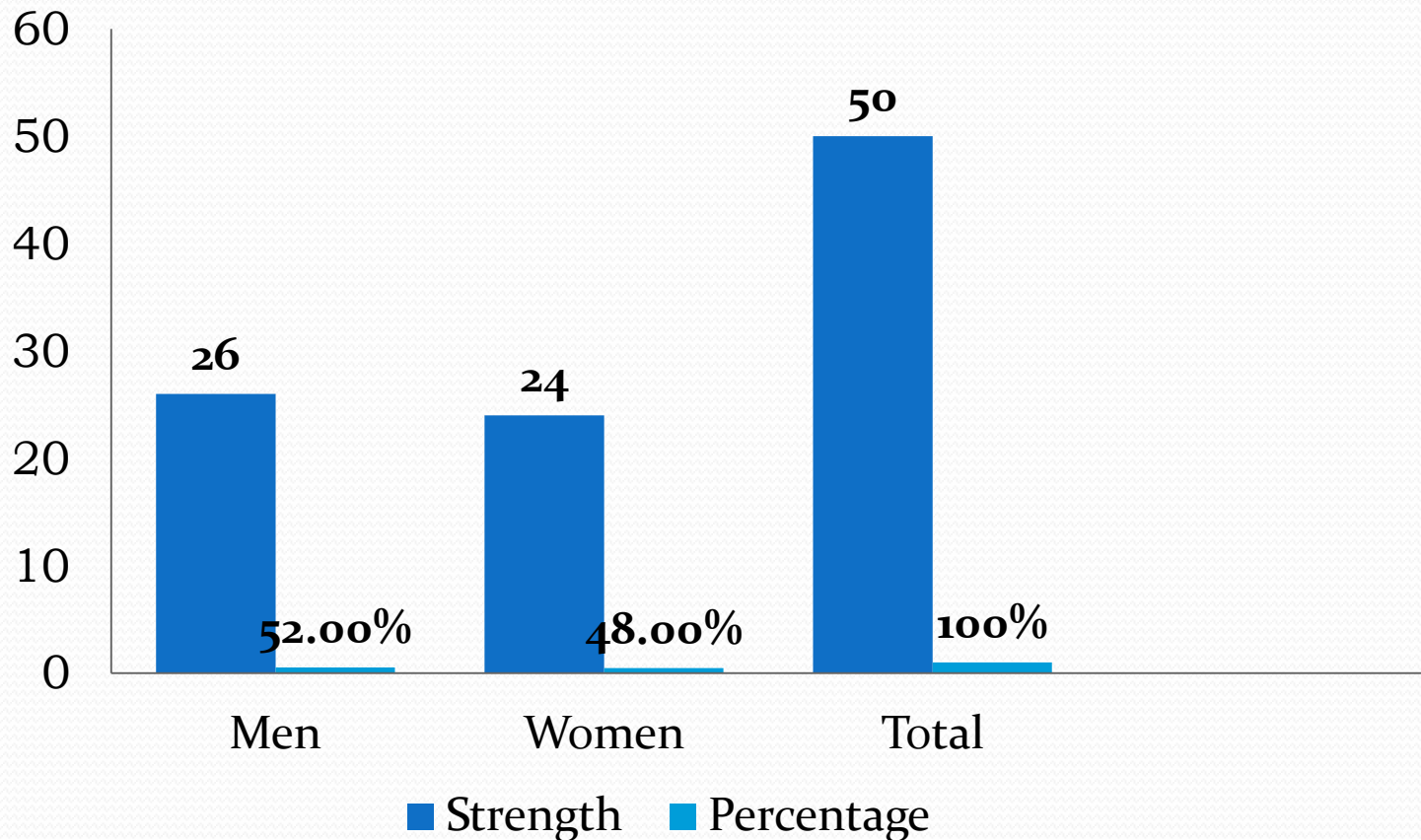
DEPARTMENT OF PHYSICS

Brief History:

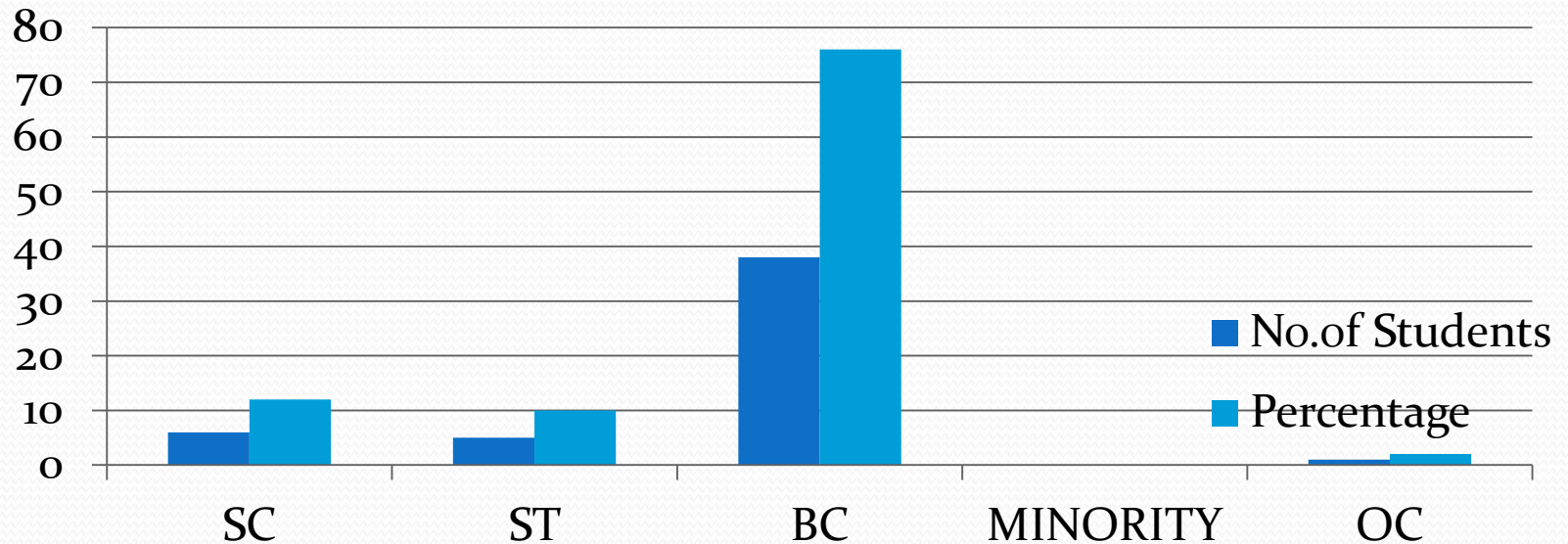
- Physics department was established in 2008 at GJC building Narsapur town in Medak district.
- It was shifted to this new building on 25th November 2017.
- The department is well established and well equipped.
- It has computer with internet facility.
- Classes are taught through Lecture method and ICT.
- Every year pass percentage of Physics subject is higher than Osmania University results.
- Physics department arranges Field Trips.
- Departmental Library provides notes, text books, and previous Q.Ps.

- Number of Teaching Staff : 01


- Combinations offered: M.P.C & M.P.Cs groups (EM)
- Students strength in above courses for the academic year 2021-22 is **50** \Rightarrow Men = 26 (**52%**), Women = 24 (**48%**)



	SC	ST	BC	MINORITY	OC	TOTAL
Total number of students	06	05	38	00	01	50
Percentage	12%	10%	76%	0%	02%	100%



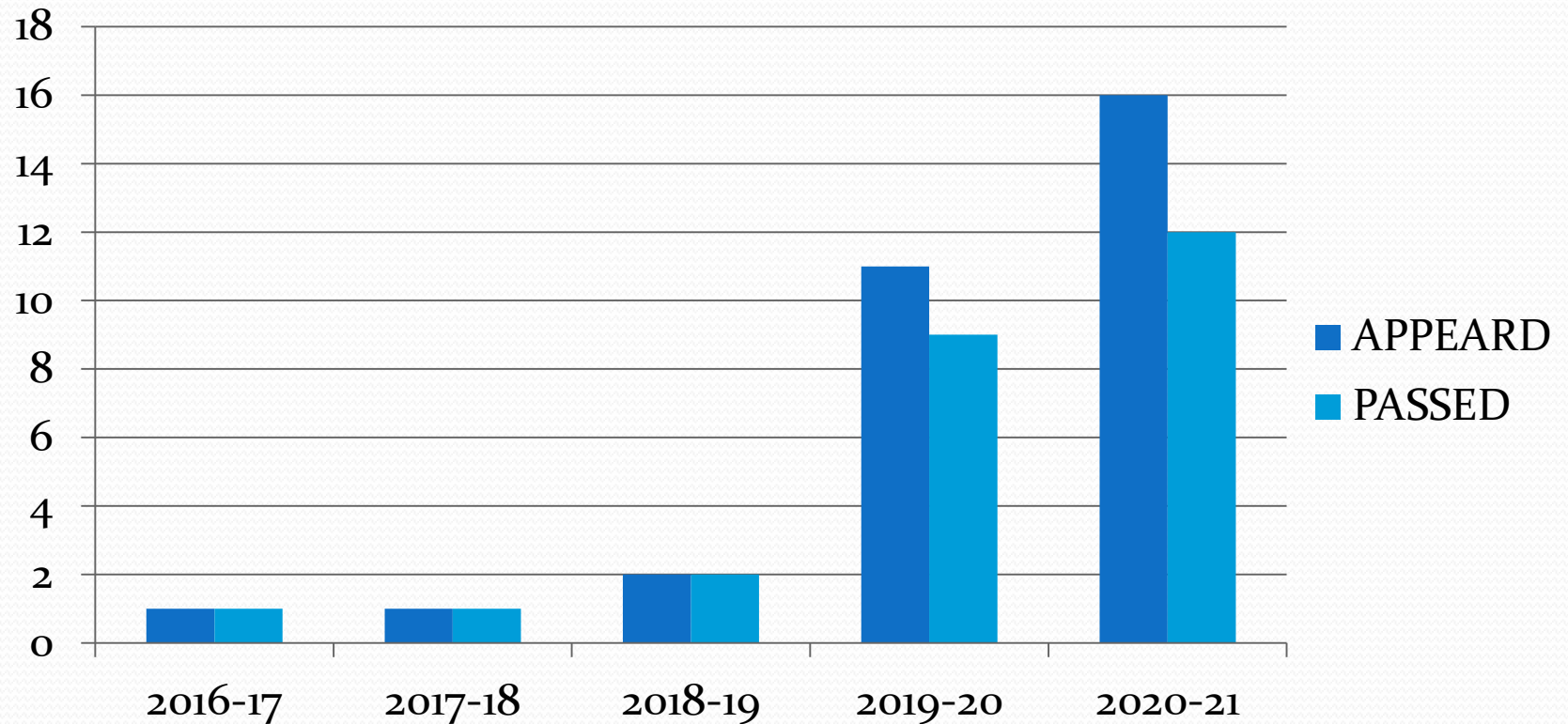
FACULTY PROFILE

S. No	Name	Qualifications	Experience	Photo
01	A. SIMHA REDDY	M. Sc., B. Ed	09 Years in GJC 16 Years in GDC	

WORKLOAD STATEMENT

Name of the Lecturer	Theory (Per week)	Practical (Per week)	Total Periods (Per week)
1. A. SIMHA REDDY	18 Hours	6 Hours (3x2)	24 Hours

RESULT ANALYSIS



	2016-17	2017-18	2018-19	2019-20	2020-21
APPEARED	1	1	2	11	16
PASSED	1	1	2	9	12
PERCENTAGE	100%	100%	100%	82%	75%

CURRICULAR ACTIVITIES / ASPECTS

1. Annual curricular plan (ACP)

- The college is affiliated to Osmania University.
- We follow the syllabus as per Osmania University.
- ACP of department is prepared at the beginning of the academic year.

2. Review of syllabus

In the Departmental meeting, we discuss review of the syllabus and take the necessary steps to complete the syllabus as per the schedule.

TEACHING, LEARNING AND EVALUATION

Innovative Teaching methods:

- Use of Chalk-talk method. (Lecture method)
- Demonstration method
- ICT teaching method. (YouTube videos & PPTs)
- Internal assessment test, slip test, unit test and study hour.
- Providing study material.
- Encouraging students to refer general text books.
- Group discussion and quiz competition.
- **Seminars:** Students select the topic of their choice and present it.

Extension Lectures: Every year the Department arranges Extension / Guest lectures for the benefit of the students.

Extension / Guest lectures

The following extension lectures are arranged.

S · N o	Date	Name and Designation of the Resource Person	Topic Covered	Class
1	08.04.2022	Sri K.Saikumar Goud Lecturer in Physics Ellenki Degree College, Narsapur	Digital Electroics	B.Sc III Year (MPC & MPCs)
2	29.04.2022	Sri K.Venu Lecturer in Physics Sri Maruthi Degree College, Narsapur	Maxwell Equations	B.Sc I Year (MPC&MPCs)

**EXTENSION LECTURE DELIVERED BY SRI K.SAIKUMAR GOUD
ELLENKI DEGREE COLLEGE, NARSAPUR**



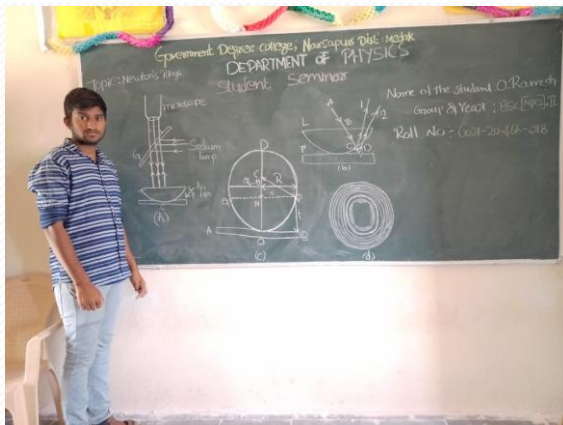
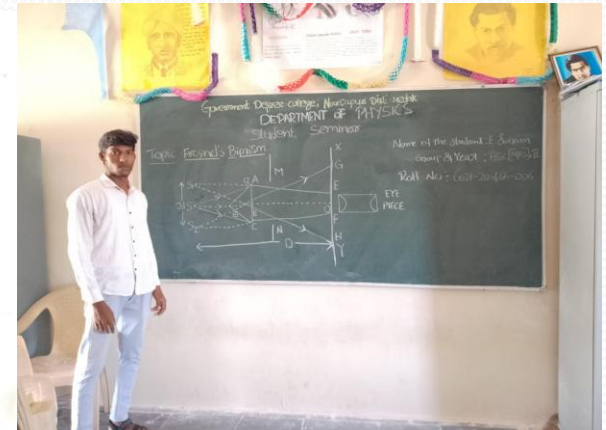
SRI K.ARUN MARUTHI DEGREE COLLEGE, NARSAPUR



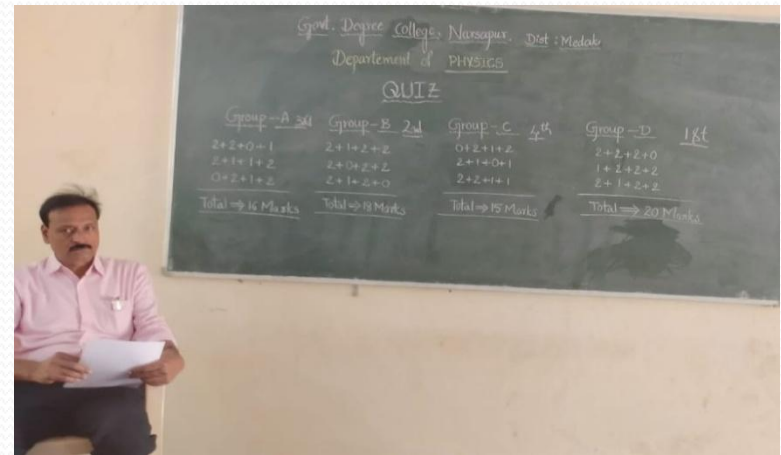
Student Seminars: Students select the topic of their choice and present it. Many students actively participated in the seminars.

S.No	Name of the Student	Class	Topic
1	A. Shilpa	B. Sc III Year	P-type Semi conductor.
2	K. Mahesh	B. Sc III Year	P-N junction diode.
3	E. Sairam	B. Sc II Year	Frenel's Biprism.
4	O. Ramesh	B. Sc II Year	Newton's Rings.
5	B. Chinnamanaidu	B. Sc II Year	Interference of light.
6	G. Deepika	B. Sc I Year	Thermodynamic scale of temperature
7	N. Sandhya	B. Sc I Year	Workdone in an isothermal process.
8	K. Sai kumar	B. Sc I Year	Fery's total radiation Pyrometer.

STUDENT SEMINAR



Quiz Program: Quiz questions are prepared at the end of each lesson. Students are divided into 4 groups & we encourage them to participate in Quiz Program.



Field Trip: B.Sc Physics students visited, 33/11 KV Sub-station at Narsapur. From this Trip the Students were exposed in the field of Power generation & distribution.



RESEARCH ACTIVITY

- The following projects are done by students under research work.
 - MOBILE DETECTOR.
 - ECO ELECTRICITY WITH 'ALOVERA' PLANT.

INFRASTRUCTURE

Physics Department has:

- A lab
- Lab is well equipped with required amount of Lab material
- Computer with internet facility.
- Printer
- Charts and PPTs.
- Department provides notes, text books, study materials and previous question papers.

STUDENT SUPPORT PROGRAMMES

Feedback on all activities:

- Feedback from the students is taken for all the activities from time to time and it is analyzed.
- Steps are taken to improve the quality of activities in due course of time.
- Suggestions from the students are consolidated and implemented for their benefit.

CAREER GUIDANCE :

- Students approach the department for their future career guidance, they are advised to choose different career courses.
- Students are motivated for higher studies. P.G, B. Ed courses and other competitive exams.

LEADERSHIP, GOVERNANCE & MANAGEMENT

- Departmental meetings are conducted regularly to check out the action plan of the department.
- I involve actively in committees of the college to help the college administration and for the college development.
- Lecturer updates his knowledge by attending Refresher course, Orientation course, work shop and seminars.
- Students involve in the community service through various programs like Clean and Green program and NSS etc.,

FUTURE PLAN

- To purchase latest necessary equipment for laboratories.
- To purchase latest reference books.
- To establish a Physics Club with the neighboring college
lecturers to improve skills regarding the syllabus.
- To guide the students to job opportunities.

BEST PRACTICES

- Remedial classes for academically backward students.
- Study Projects are assigned to students every year.
- Group discussion and Quiz Programs are conducted to improve the leadership qualities.
- Student Seminars are organized to improve comprehensive and presentation skills.
- Computer with free Internet Access.

ALUMNI STUDENTS LIST

S. No	Name of the Student	Designation	Working Place
1	Ch.Veerawamy	Postal Assistant	Head Post Office, Medak
2	K.Lingam	Electrical work shop	Narsapur
3	B.Sandeep	S.V Mobile Shop	Narsapur
4	E.Srilatha	Teacher	Vijetha High School, Narsapur
5	G.Bhuvaneshwari	Teacher	S.T Danbosco H.S, Narsapur
6	G.Durgaprasad	System Work	Narsapur
7	Hafeeza	Teacher	Girideepthi High School, Narsapur
8	L.Sunitha	Teacher	Krishnaveni TalentSchool, Narsapur
9	M.Srinivas	Computer Teacher	S.T Danbosco H.S, Narsapur
10	M.Madhavi	Teacher	VighnPublic School, Narsapur
11	S.Ashwini	Teacher	Geetha High School, Medak
12	G.Sowmya	Teacher	Siddarthatha High School, Medak
13	G.Renuka	Teacher	Nalanda High School, Toopran



THANK YOU SIR'S