



**M.A.L.D. GOVT.DEGREE COLLEGE GADWAL-509125**

**JOGULAMBA GADWAL-DIST  
TELANGANA-STATE**

## **Physics Department Profile**



***Incharge:***

**Dr.P.LAVEENA MANJULATHA  
ASSIT.PROF. IN PHYSICS**

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## HISTORICAL SIGN OF THE DEPARTMENT



M.A.L.D Govt. Arts & Science College, Gadwal was established in the year 1960. The college building is situated in the Historic fort of Gadwal. There is a famous temple revealing the glorious glimpses of the golden over from Gadwal to Nandyal covering to 150km. It was the independent state under Nizam suzerainty.

### THE LEGEND OF PHYSICS LAB

It is not an exaggeration to say that each and every part of the land within the fort area of Gadwal, has some significance belonging to its rulers once ruled.



The prominence of physics Lab stands above all. The rulers of Gadwal were independent rulers who had a procedure or method of their own in governing their subjects. Thus we have to give due regard to the places of these rulers ranked their places of ruling or decision-making. Our physics lab in this way had been the Durbar hall where important meetings were held pertaining to Pandits; pleas were heard by the king or the council. It was thus named as “YeduAnkhanalaSofa” that is a hall with seven typical measurements called Ankhanas. Gradually the YeduAnkhanala Sofa became famous throughout the surrounding Samasthanas. Further it was the biggest hall in the fort by name Durbar hall.

The activities of the Durbar Hall included.

1. The Coronation of Gadwal Kings,
2. The meetings of public administration,
3. The Gathering of poets,
4. The Concerts,
5. The classical, Musical and Literary activities and all other important matters interested to the king and his executive.

Behind the Durbar hall within, there was a “MuduAnkhanala Sofa”, which means a hall with three measurements, called Ankhanas. This place was meant for the Royal Women, especially

for the queens and princesses from where they used to watch the Durbar activities. The tradition of the Gadwal rulers in those days maintained “Purdah” or “Curtain” system, through which the Royal ladies observed the outside activities. It seems this Purdah system was borrowed from the Muslim rulers of those days because we witness yet the system existing among the royal Muslim families.

The throne of the kings used to be in the middle of the Durbar hall just four inches above the rest of the other seats. To the right side of the king (who sat on the throne) would gather the royal relatives and to the left would gather the prominent persons like- Ministers, Scholars, Poets, Government executive members etc. There used to be clowns also in the hall. To the right side behind the king, was ThoshKhana (storeroom) and to the left side behind the king was Brindavanam (a place of growing Tulasi sacred plant). We can yet witness the Brindavanam today. In front of the hall there were conducted Harikathas, Music parties, Dances, Puranas, etc. We can see the big statue of Sree Raja Ram Bhoopal-I, in front of the hall. This Raja Ram Bhoopal was not only a ruler and patron of Poets, but also a great scholar and Poet himself.

To mention more about of the Durbar hall and its surroundings, we find a well behind the hall in which the royal families had their bath. We might call it a Swimming pool of these days.

Another important custom or tradition of those days was PanktiBhojanam by the king twice in a year along with his relatives only. The auspicious days selected were-Dasara and MaghaPoornima. All relatives of the king, irrespective of their status or economic Condition had to participate in the dinner arranged by the king. Even one ate in a Silver plate and drank water in silver glass. This indicates the equal vision of the king at least among his relations. We can see one more big hall beside the Durbar hall where the Munsif Magistrate and Assistant sessions court existed. Those who lost their cases in these two courts had to knock at the doors of the high court of Hyderabad State alone. So much greatness was the decision of these courts.

The first floor and the second floor above the Durbar hall were used as bedrooms and retiring rooms respectively, which are still existing.

At every corner of the Durbar hall we can trace out the figures of cow and calf. It is called as “VatsalyaBhava”, the affection of a mother towards the child. The Kings or Queens maintained such a relation with the public. Mother is the first goddess in the Hindu Philosophy, “MathrudevoBhava”. The cow licks the Calf to shower affection. The love flows from higher to lower.

His highness Raja Krishna Rambhoopal the grandson of Maharani AdilakshmiDevamma as donated the entire fort and palatial building to the degree college. Hence the college is on the name of Grandmother Maharani AdilakshmiDevamma who was the ruler of this princely state. Like that the M.A.L.D. Govt. Degree College, Gadwal came into existence in 1960.

The Physics Department was started in this college for the first time 1960 with the students' strength of 30 in B. Sc MPC course. At first the college was comprised of PUC and Degree courses as a composite college. At that time the medium of instruction was in English medium only. In 1969-70 all the subjects began to taught in Telugu Medium only.

The college was bifurcated into Govt. Jr. College, Gadwal and M.A.L.D. Govt. Degree College, Gadwal in August 1996.

The Degree College offers Sciences, Arts, Commerce and computer courses in the Degree level, and also offers B. Sc MPC's course in English Medium. The strength of the lecturers in the dept. is two only.

The dept. has been conducting Extension Lecturers for the benefit of the students in addition to Unit Tests, Remedial Classes, Bridge Classes, Group Discussions, Seminars , Quiz competitions, field trips and Certificate courses.

Most of the students of this college are belongs to S.C, S.T, and B.C with rural background and poor academic record and their Economical Condition is also very poor. They are given good education in this college and by the time they leave the college their academic standard is very much increased.

The dept. is strictly adhered to the academic schedule as per the the almanac of the Palamuru University apart from the syllabus. The Physics Dept. trying to enlighten the students on the topics like Recent technologies and Inventions in Science, Techniques for competitive exams, Real life applications, etc generally discussing in class rooms.

The staff of the dept. maintains academic records such as attendance registers of the students, Teaching diary, Synopsis of the contents in the syllabus and Teaching notes and other study materials for the benefit of the students. The dept. also prepares an annual academic plan with different programmes to have more systematic approach while importing the subject to the students.

The departmental meeting is arranged at the beginning of the academic year and whenever necessary pertaining to the academic and co-curricular activities and the same is recorded in the department's minute's book.

Some important Physics Lecturer's who had worked in the yester years as follows:

1. Sri Hanumanth Rao
2. Sri Radha Krishna Murthy
3. Sri Raghunath Reddy
4. Sri Pichhaiah
5. Sri Rangamohan
6. Sri M.S.A Jaleel
7. Sri Balabaskar
8. A. Radhika
- 9 M. Sundara Murthy

## VISION AND MISSION

### Vision:

- Popularize the subject among the students

### Mission

Lay strong foundation of the subject in the students leading to further higher studies and research

- Simplification of the subject by the faculty in the form of simplified notes and easy to understand lectures.
- Inculcating interest in the subject among the students by involving them in research activities.

## OBJECTIVES

- Manufacture the Students with ethics, human values, respect towards the elders and helping nature to the humankind
- Inculcate scientific temper among the students
- Create a scientific outlook in the student
- Understand and carry the knowledge and application of physics for welfare of the society

***“We want that education by which character is formed, strength of mind is increased, the intellect is expanded and by which one can stand on one’s own feet.”***

**— Swami Vivekananda**

## STAFF PROFILE

Commissioner of Collegiate education sanctioned two regular teaching posts, out of one posts filled with regular faculty and one post Contract lecturer.

Sanctioned Teaching posts : 02

Sanctioned Non-Teaching posts : 01

Following is the use of the teaching staff with their designation, qualification and Experience in teaching field.

S.NO	Name	Designation	Qualification	Service/Experience
1.	Dr .P LAVEENA MANJULATHA	Assit.Prof.in Physics	M.Sc., CSIR-NET, Ph.D	24Years
2.	G. KRISHNAIAH	Lecturer in Physics	M.Sc., B.Ed.	09 years

## PERSONAL PROFILE OF FACULTY



1. Name : Dr. P. LAVEENA MANJULATHA
2. Designation: : Assit. Prof. of Physics
3. Academic Qualifications : M. SC(Physics), CSIR-NET, PhD
4. Address : Village Mahabubnagar  
: Mandal Mahabubnagar  
: District Mahabubnagar
  
5. Contact No : 9160586755
6. Date Of Entry Into Service At UG Level : 21-May-2013  
MALD Govt Degree College Gadwal
7. Seminars /Workshops attended : 1. STATE LEVEL TWO  
DAY WORKSHOP UGCURRICULUM IN PHYSICS  
MVS GOVT ARTS & SCIENCE COLLEGE MBNR
  
8. Co & Extra Curricular Activities: : 1. Vice Principal  
2. Examination Branch  
3. Academic coordinator



## PERSONAL PROFILE OF FACULTY



- 1 Name : G.Krishnaiah
- 2 Designation: : Lecturer In Physics
- 3 Academic Qualifications : M. SC(Physics), BEd
- 4 Address : Village Mahabubnagar  
: Mandal Mahabubnagar  
: District Mahabubnagar
  
- 5 Contact No : 9666279506
  
- 6 Date Of Entry Into Service At UG Level : 05-09-2013 At UG Level  
MALD Govt Degree College Gadwal
  
- 7 Seminars /Workshops attended 1. State Level Two Day Workshop UG curriculum in  
Physics MVS Govt Arts &Science College Mbnr
  
8. Co & Extra Curricular Activities:
  1. In Charge of II B.Sc (Mpcs) Class
  2. Member In House Exam Committee
  3. In charge of Mana TV
  4. Green audit coordinator

# SYLLABUS

MALD GOVT ARTS&SCIENCE COLLEGE GADWAL  
JOGULAMBA GADWAL DIST,TELANGANA STATE  
DEPARTMENT OF PHYSICS

## SYLLABUS-Theory

S.NO	YEAR	SEMESTER	SYLLABUS
1	BSC-I	I	Mechanics
		II	Thermal Physics
2	BSC-II	III	Electromagnetic theory
		IV	Optics
3	BSC-III	V-Paper-V	Electromagnetic
		V-Paper-VI	solid state
		VI-Paper-VII	Modern Physics
		VI-Paper-VIII	Basic Electronics

## Practical

S.NO	YEAR	SEMESTER	SYLLABUS
1	BSC-I	I	Mechanics
		II	Thermal Physics
2	BSC-II	III	Electromagnetic theory
		IV	Optics
3	BSC-III	V-Paper-V	Electromagnetic
		V-Paper-VI	solid state
		VI-Paper-VII	Modern Physics
		VI-Paper-VIII	Basic Electronics

## WORK LOAD PARTICULARS

As per the norms stipulated by Physics Department of Palamuru University, the Workload particulars of our department are shown below:

### REGULAR & SELF FINANCE COURSES

SL.NO.	CLASS	GROUPS	TOTAL STRENGTH	THEORY WORK LOAD (Hrs)	NO OF BATCHES	PRACTICAL WORK LOAD (Hrs)	TOTAL WORK LOAD (Hrs)
1	B.SC I	MPC(E/M)	49	8	2	6	26
		MPCS(E/M)	88		4	12	
2	B. Sc II	MPC(T/M)	22	12	1	3	24
		MPC(E/M)	18		1	3	
		M.P.CS	42		2	6	
3	B. Sc III	MPC(T/M)	31	16	2	8	44
		MPC(E/M)	41		2	8	
		M.P.CS	78		3	12	
<b>TOTAL</b>			369	36		58	94

## OVERALL TIME TABLE

**MALD GOVT DEGREE COLLEGE GADWAL, JOGULAMBA GADWAL -DIST**

**DEPARTMENT OF PHYSIC- TIMETABLE (MPC,MPCS,MPS)**

**FOR YEARS I,II,III ACADEMIC YEAR:2021-22**

DAYS	YEAR	10:00 TO 11:00	11:00-12:00	12:00-1:00	1:00 TO 1:30	1:30 TO 2:30	2:30 TO 3:30	3:30 TO 4:30	
MONDAY	I		PHYSICS ( CLASS-A,-B,)		BREAK	PHY-LAB (MPC- A /MPCS-A,B,C)			
	II								
	III			PHYSICS ( CLASS-A,B)					
TUESDAY	I	PHYSICS ( CLASS-A,B)							
	II			PHYSICS ( CLASS-A,B)					
	III								
WEDNESDAY	I						PHY-LAB (MPC- A,B /MPCS-A,B,C,D)		
	II			PHYSICS ( CLASS-A,B)					
	III	PHYSICS ( CLASS-A-B)							
THURSDAY	I								
	II								
	III			PHYSICS ( CLASS-A,B)					
FRIDAY	I	PHYSICS ( CLASS-A,B)							
	II			PHYSICS ( CLASS-A,B)					
	III					PH-LAB (MPC-E- A ,MPC-T-A/MPCS-A,)			
SATURDAY	I			PHYSICS ( CLASS-A,B)					
	II	PHYSICS ( CLASS-A,B)							
	III					PHYSICS ( CLASS-A,B)			

**TOTAL THEORY CLASS - 28**

**TOTAL PRACTICAL- 39**

**TOTAL CLASS: 67**

## INDIVIDUAL TIME TABLE

MALD GOVT DEGREE COLLEGE GADWAL, JOGULAMBA GADWAL -DIST									
DEPARTMENT OF PHYSICS (MPC, MPCS, MPS)									
NAME OF THE LECTURER : Dr.P.LAVEENA MANJULATHA									
FOR YEARS I,II,III ACADEMIC YEAR:2021-22									
DAYS	YE A R	10:00 TO 11:00	11:00-12:00	12:00-1:00	1:00 TO 1:30	1:30 TO 2:30	2:30 TO 3:30	3:30 TO 4:30	
MONDAY	I		PHYSICS ( MPC)		BREAK	PHY-LAB (MPCS A ,B & MPC A)			
	II								
	III			PHYSICS ( MPC)					
TUESDAY	I	PHYSICS ( MPC)							
	II			PHYSICS ( MPC)					
	III								
WEDNESDAY	I						PHY-LAB (MPCS -A,B)		
	II			PHYSICS ( MPC)					
	III	PHYSICS ( MPC)							
THURSDAY	I								
	II								
	III			PHYSICS ( MPC)					
FRIDAY	I	PHYSICS ( MPC)							
	II			PHYSICS ( MPC)					
	III						PHY-LAB (MPC-A)		
SATURDAY	I			PHYSICS ( MPC)					
	II	PHYSICS ( MPC)							
	III						PHYSICS (MPC)		

TOTAL THEORY CLASS	12
TOTAL PRACTICAL	18
TOTAL	30

## INDIVIDUAL TIME TABLE

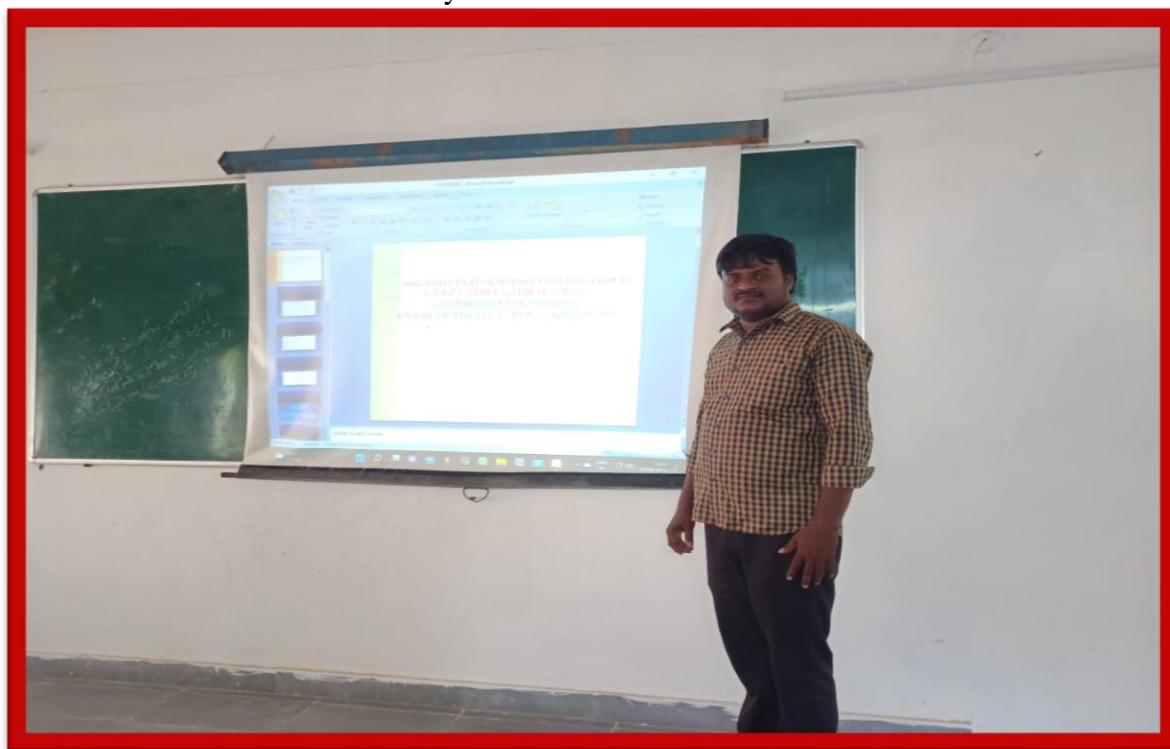
<i>MALD GOVT DEGREE COLLEGE GADWAL, JOGULAMBA GADWAL -DIST</i>								
<i>DEPARTMENT OF PHYSICS (MPC, MPCS, MPS)</i>								
<i>NAME OF THE LECTURER : G KRISHNAIAH</i>								
<i>FOR YEARS I,II,III ACADEMIC YEAR:2021-22</i>								
DAYS	YEAR	10:00 TO 11:00	11:00-12:00	12:00-1:00	1:00 TO 1:30	1:30 TO 2:30	2:30 TO 3:30	3:30 TO 4:30
MONDAY	I		PHYSICS (MPCS)		BREAK			
	II					PHY-LAB (MPCS-C,D & MPC-B)		
	III			PHYSICS (MPCS)				
TUESDAY	I	PHYSICS (MPCS)						
	II			PHYSICS (MPCS)				
	III							
WEDNESDAY	I					PHY-LAB (MPCS-C & MPC-A)		
	II			PHYSICS (MPCS)				
	III	PHYSICS (MPCS)						
THURSDAY	I							
	II							
	III			PHYSICS (MPCS)				
FRIDAY	I	PHYSICS (MPCS)						
	II			PHYSICS (MPCS)				
	III				PHY-LAB (MPCS-A & MPC-A)			
SATURDAY	I			PHYSICS (MPCS)				
	II	PHYSICS (MPCS)						
	III					PHYSICS (MPCS)		

TOTAL THEORY CLASS	12
TOTAL PRACTICAL	21
TOTAL:	33

## TEACHING METHODOLOGIES

Physics, a bit more complex subject when compared to other subjects of Science. Hence, it requires more imagination for its better understanding. Luckily, our faculty members are well experienced to meet these challenges by using various teaching techniques to make them more lucid. At, present we are using the following methods and teaching aids:

- Visual videos are displayed from the internet to the students to clear-out complex concepts
- Complicated theoretical concepts are explained with aid of simple experiments
- Mathematical derivations are derived and figures are drawn on the black boards to make them to understand.
- Charts, OHP's and PPT's are used for teaching complex topics to make them more comprehensible
- Alternate methods of teaching like class seminars, Group discussion, Quizzes are conducted for active participation of students in learning process
- Remedial Coaching are carried out for educationally weak students to improve their standards.
- Other teaching methods such as Descriptive, Inquisitive, Assignments and problem solving methods are implemented.
- The experimental part is demonstrated to the students by staff members, concerned detailed theory is made available to the students.



**ICT Used in PPT**

## STUDENT'S PROFILE

The students admitted to the UG programme having Physics as one of the optional subject, hailed mostly from rural and agricultural back ground of first generation of literals. Most of the students economically backward. They shuttle to the college from nearby villages on corporation (R.T.C) depot buses by taking seasonal bus passes. Being Government College admissions are carried out according to the reservation Quota as per Government rules. More over most of the students taking Mathematics, Physics combination come from left over of EAMCET (Engineering Entrance) candidates.

Most of the students get Government scholarships for pursuing their studies under different categories like BC, SC, ST, Muslim minorities and also very few merit scholarships. After the admissions we organize bridge classes to the students, here we teach fundamentals of physics results in strong foundation for the upcoming classes. We conduct Internal and Pre-final exams before appearing for university exams, which results in achieving good pass percentage varies between 60% to 90%. At end of every chapter some of the problems were solved by lecturers in class room, remaining problems were given as assignments to the students which helps them to better understanding of the concerned chapter and also it improves the analytical skills of the students. The students will undergo self learning activities like participating in student seminars and student projects.

## STUDENTS CLASSIFICATION

### ➤ QUICK LEARNERS — STUDY PROJECTS

The students with intelligence Quotient (I.Q.) ranges from 130 to 140 are categorized as Fast/Quick learners. Quick learners are fast in thinking, highly creative and imaginative with very high constructive abilities. They are identified on the basis of their merit, performance in the unit tests conducted in the beginning of academic year and through interactive sessions by posing questions while teaching in the class room. These Quick learners are encouraged to participate in the physics seminars, quiz programmes, debate competitions conducted by the department. Complex study projects, complex numerical problems and working models from basic of physics (out of academic lab experiments) are being carried out by the students under the guidance of the faculty members.



➤ **AVERAGE LEARNERS—ASSIGNMENTS:**

The students with intelligence Quotient (I.Q.) ranges from 90 to 100 are categorized as Average learners. Most of our students are average learners who manifest average ability in learning. They exhibit giftedness when faced with challenges. Simple study projects and numerical problems are assigned to these students in the form of assignments which will help them for their future goals.

➤ **WEAK AND SLOW LEARNERS—REMEDIAL COACHING:**

The students with Intelligence Quotient (I.Q.) below 90 are categorized as slow learners. Slow learners are identified by conducting unit test and evaluating answer scripts. The slow learners have a short attention span, that is, they cannot concentrate for long. They have short memory and they don't remember easily what they have been taught. The slow learners are always bored and generally have no interest in learning. Poor methods of teaching, poor teacher-pupil relationships for example when a child constantly experiences hostility from the teacher and Poor learning environment which is not conducive to learning are the School based problems. We repeated over and over important concepts by leaving out some of the less important details during the Remedial coaching classes. During these classes, we emphasized their strengths, lots of praise and reinforcement frequently. We specially made short lessons by limiting working time. We taught several short work periods rather than long one by incorporating all learning styles (auditory, visual, kinesthetic).

## REMEDIAL CLASSES ATTENDANCE FOR THE ACADEMIC YEARS

REMEDIAL CLASSES ATTENDANCE FOR THE ACADEMIC YEAR 2016-2017			
Sl.No	Name Of The Student	Hall Ticket Number	Resource Person
1	T SRI LATHA	16033024441554	M SUTHARA MURTHY
2	SHEKAR	16033024441546	M SUTHARA MURTHY
3	PRATHAP	16033024441543	M SUTHARA MURTHY
4	PRAKASH	16033024441542	M SUTHARA MURTHY
5	PARAMESH	16033024441540	M SUTHARA MURTHY
6	K PAVAKALYAN	16033024441542	M SUTHARA MURTHY
7	D PRAVIN KUMAR	16033024441522	M SUTHARA MURTHY
8	D KISHORE	16033024441511	M SUTHARA MURTHY
9	K VENU	16033024441022	M SUTHARA MURTHY
10	M VENKATESH	16033024441028	M SUTHARA MURTHY
11	P VIKRAM	16033024441033	M SUTHARA MURTHY
12	SUTHARAYA SAI	16033024441039	M SUTHARA MURTHY
13	A VENKATESH	16033024468006	M SUTHARA MURTHY
14	B SHOBHA RANI	16033024468011	M SUTHARA MURTHY
15	H RAVI	16033024468024	M SUTHARA MURTHY
16	K KRISHNA	16033024468028	M SUTHARA MURTHY
17	R SAVARANNA	16033024468052	M SUTHARA MURTHY

<b>REMEDIAL CLASSES ATTENDANCE FOR THE ACADEMIC YEAR 2017-18</b>			
<b>Sl.No</b>	<b>Name Of The Student</b>	<b>Hall Ticket Number</b>	<b>Resource Person</b>
1	B RAJINI	1703302444508	G KRISHNAIAH
2	M AFONE	1703302444527	G KRISHNAIAH
3	MD BHASHA	1703302444529	G KRISHNAIAH
4	E SAI KUMAR	1703302444543	G KRISHNAIAH
5	, RAMESH	1703302444023	G KRISHNAIAH
6	NISHAD	17033024445031	G KRISHNAIAH
7	S SUDHA RANI	1703302444036	G KRISHNAIAH
8	K GNANESWARI	17033024468022	G KRISHNAIAH
9	MD AFRID	17033024468032	G KRISHNAIAH
10	MD FARAZ	17033024468033	G KRISHNAIAH
11	A MOUNIKA	16033024468002	G KRISHNAIAH
12	A VENKATESH	16033024468006	G KRISHNAIAH
13	B SHOBHA RANI	16033024468011	G KRISHNAIAH
14	H RAVI	16033024468024	G KRISHNAIAH
15	K KRISHNA	16033024468028	G KRISHNAIAH
16	S DEVIKA	16033024468054	G KRISHNAIAH
17	CH LAXMI NARAYANA	16033024441001	G KRISHNAIAH
18	K VENU	16033024441022	G KRISHNAIAH
19	M VENKATESH	16033024441028	G KRISHNAIAH
20	T NAVEEN	16033024441043	G KRISHNAIAH
21	T YUVA TEJASHWAR	16033024441046	G KRISHNAIAH
22	S SRIKANTH	16033024441560	G KRISHNAIAH
2	SHEKAR	16033024441546	G KRISHNAIAH
24	PRATHAP	16033024441543	G KRISHNAIAH
25	PRAKASH	16033024441542	G KRISHNAIAH
26	PARAMESH	16033024441540	G KRISHNAIAH

**REMEDIAL CLASSES ATTENDANCE FOR THE ACADEMIC YEAR 2018-19**

Sl.No	Name Of The Student	Hall Ticket Number	Resource Person
1	T SRI LATHA	16033024441554	P LAVEENA MANJULATHA
2	SHEKAR	16033024441546	P LAVEENA MANJULATHA
3	PRATHAP	16033024441543	P LAVEENA MANJULATHA
4	PRAKASH	16033024441542	P LAVEENA MANJULATHA
5	PARAMESH	16033024441540	P LAVEENA MANJULATHA
6	K PAVAKALYAN	16033024441542	P LAVEENA MANJULATHA
7	M NARSHIMLU	16033024441533	P LAVEENA MANJULATHA
8	D PRAVIN KUMAR	16033024441522	P LAVEENA MANJULATHA
9	T ANUSHA	16033024441539	P LAVEENA MANJULATHA
10	D KISHORE	16033024441511	P LAVEENA MANJULATHA
11	C NARESH	16033024441009	P LAVEENA MANJULATHA
12	K VENU	16033024441022	P LAVEENA MANJULATHA
13	M VENKATESH	16033024441028	P LAVEENA MANJULATHA
14	P VIKRAM	16033024441033	P LAVEENA MANJULATHA
15	SUTHARAYA SAI	16033024441039	P LAVEENA MANJULATHA
16	A VENKATESH	16033024468006	P LAVEENA MANJULATHA
17	B SHOBHA RANI	16033024468011	P LAVEENA MANJULATHA
18	H RAVI	16033024468024	P LAVEENA MANJULATHA
19	K KRISHNA	16033024468028	P LAVEENA MANJULATHA
20	E BHEMESH GOUD	17033024441514	P LAVEENA MANJULATHA
21	G SKRKAR	1703302444516	P LAVEENA MANJULATHA
22	M RAMESH	17033024441023	P LAVEENA MANJULATHA
23	NISHAD	17033024441031	P LAVEENA MANJULATHA
24	B MAHESH	17033024441040	P LAVEENA MANJULATHA
25	K GANESWARI	17033024468022	P LAVEENA MANJULATHA
26	MD AFRID	17033024468023	P LAVEENA MANJULATHA
27	MD FARAZ	17033024468033	P LAVEENA MANJULATHA

<b>REMEDIAL CLASSES ATTENDANCE FOR THE ACADEMIC YEAR 2019-20</b>			
<b>Sl.No</b>	<b>Name of The Student</b>	<b>Hall Ticket Number</b>	<b>Resource Person</b>
1	E BHEMESH GOUD	17033024441514	K ANJANEYULU
2	G SKRKAR	1703302444516	K ANJANEYULU
3	M RAMESH	17033024441023	K ANJANEYULU
4	NISHAD	17033024441031	K ANJANEYULU
5	B MAHESH	17033024441040	K ANJANEYULU
6	K GANESWARI	17033024468022	K ANJANEYULU
7	MD AFRID	17033024468023	K ANJANEYULU
8	MD FARAZ	17033024468033	K ANJANEYULU
9	A NAVEEN	18033024441501	K ANJANEYULU
10	U NAGAMMA	18033024441550	K ANJANEYULU
11	B DEVENDAR	18033024441005	K ANJANEYULU
12	C ASWINI	18033024441007	K ANJANEYULU
13	A LAXMI PRIYA	18033024468002	K ANJANEYULU
14	E THIRUMALES	18033024468022	K ANJANEYULU

<b>REMEDIAL CLASSES ATTENDANCE FOR THE ACADEMIC YEAR 2020-21</b>			
Sl.No	Name Of The Student	Hall Ticket Number	Resource Person
1	B HEMALATHA	18033024468006	G KRISHNAIAH
2	B USHA SRI	18033024468013	G KRISHNAIAH
3	E THIRUMALES	18033024468023	G KRISHNAIAH
4	K NARESH	18033024468035	G KRISHNAIAH
5	K RAJESH	18033024468041	G KRISHNAIAH
6	MD FARAZ	18033024468047	G KRISHNAIAH
7	MD NIZAMUDDIN	18033024468049	G KRISHNAIAH
8	M PALLAVI	18033024468053	G KRISHNAIAH
9	M RAJESH	18033024468056	G KRISHNAIAH
10	P KALYANI	18033024468062	G KRISHNAIAH
11	SHEREEN	18033024468071	G KRISHNAIAH
12	T VENKAT	18033024468076	G KRISHNAIAH
13	CHINNA KRISHNA	18033024441512	G KRISHNAIAH
14	M BHEEMESH	18033024441532	G KRISHNAIAH
15	B EERANNA	19033024441001	G KRISHNAIAH
16	MD IBRAHIM PHASHA	19033024441014	G KRISHNAIAH
17	AKBAR	19033024441501	G KRISHNAIAH
18	B SHIRESHA	19033024441506	G KRISHNAIAH
19	E HUNUMANTH GOUD	19033024441508	G KRISHNAIAH
20	KHAJABEE	19033024441513	G KRISHNAIAH
21	S THAHER	19033024441523	G KRISHNAIAH
22	B LAXMANNA	19033024468005	G KRISHNAIAH
23	K KRISHNAVENI	19033024468017	G KRISHNAIAH
24	KUMAR	19033024468023	G KRISHNAIAH
25	NAIDU	19033024468041	G KRISHNAIAH
26	PREMALATHA	19033024468502	G KRISHNAIAH

**Future plan:** Planning to maintain closer relationship with their Parents.

➤ **BRIDGE CLASSES**

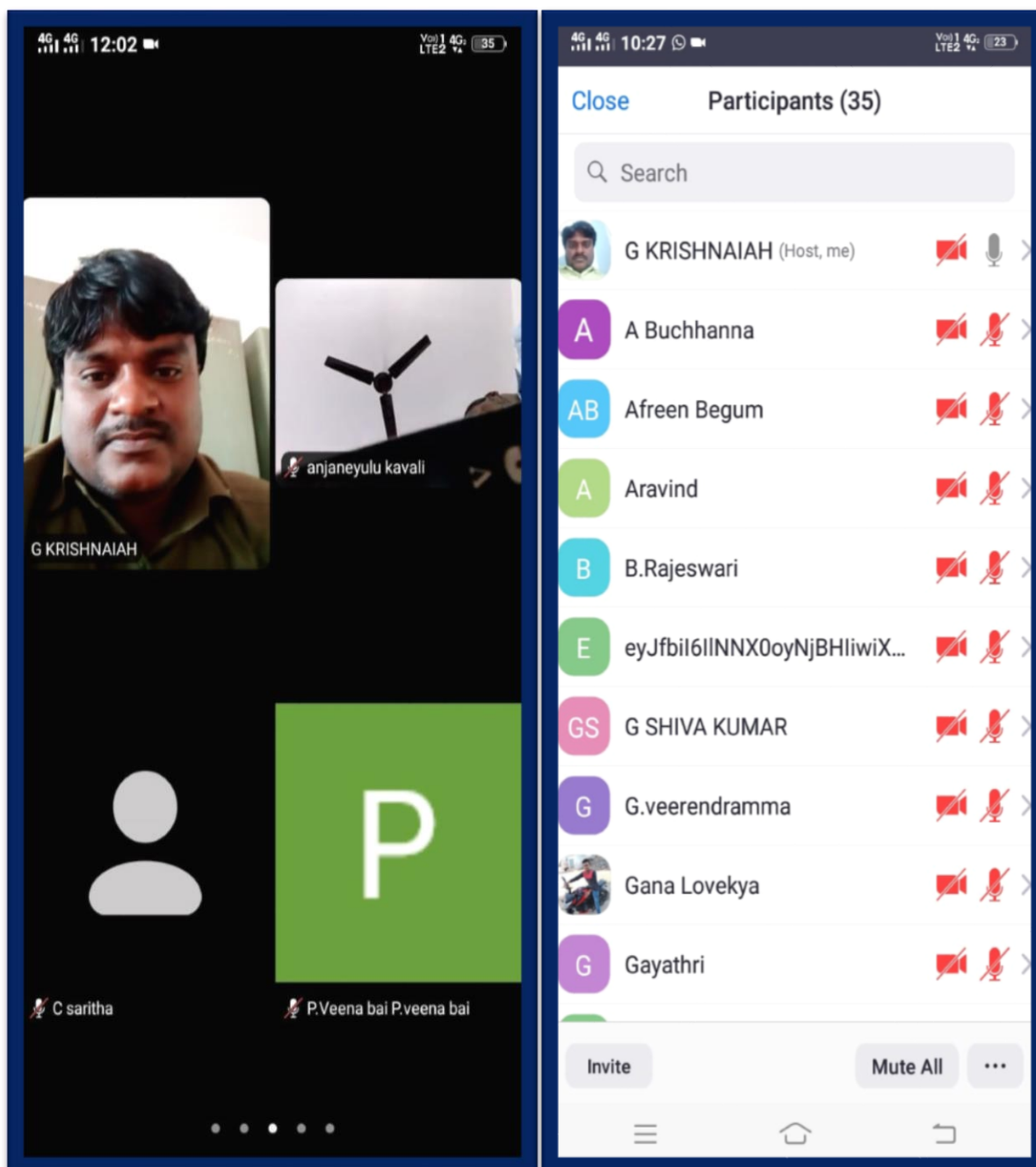
Bridge classes are organized for first year students at the beginning of every year after their admission into graduation. Here, we taught them fundamentals of physics which comprises of basic definitions, basic laws of physics, basic constants of physics related to secondary and intermediate education which results in easier understanding at degree level.

## ➤ UNIT TESTS

For every class unit tests were conducted and evaluated at the end of every unit. Based on the outcome of our evaluation, we identified the quick learners, average learners, weak learners and we have taken necessary steps to make weak learners more comfortable in their academics through Remedial classes. Related Records are available in the Department.

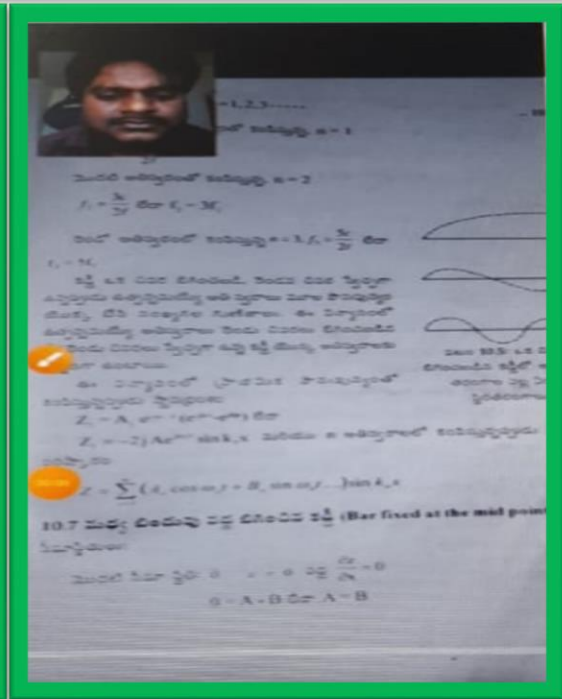
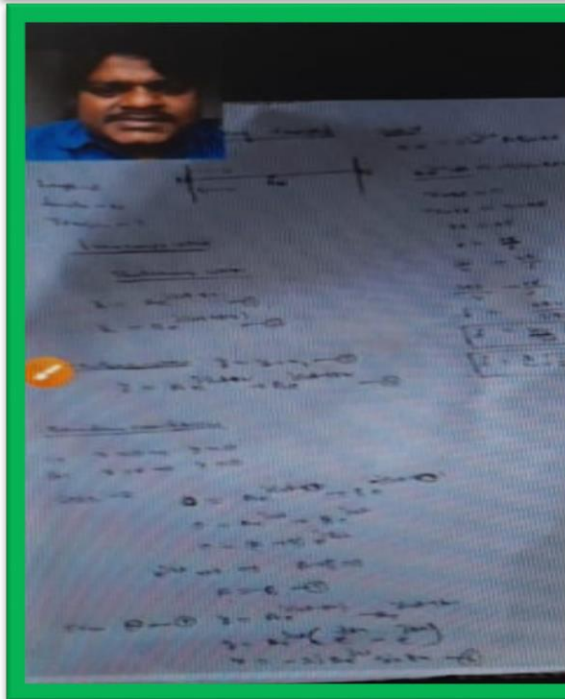
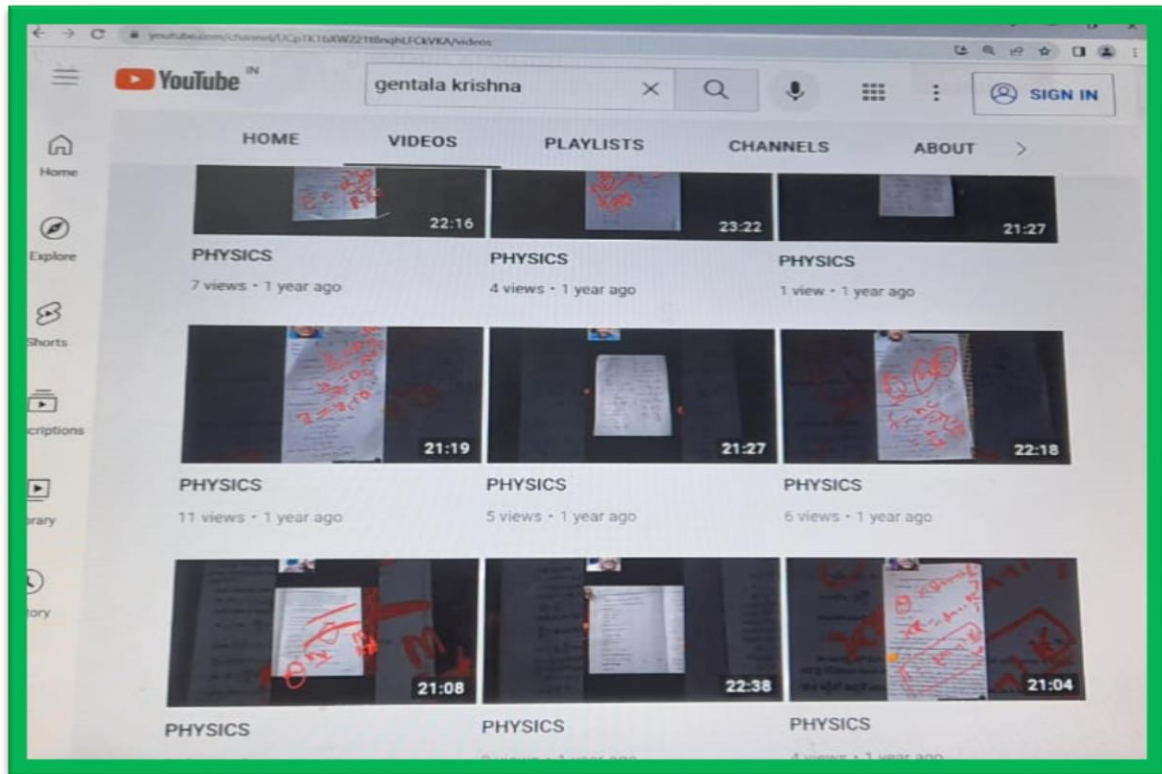
## ONLINE CLASSES DURING PANDEMIC

Physics dept conducted a online classes in for BSC (MPC & MPCS) students



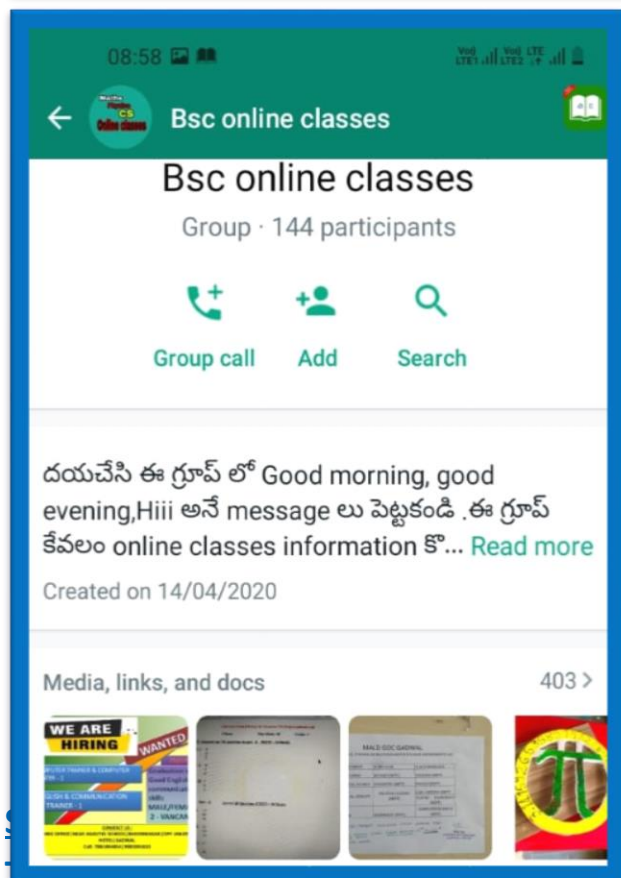
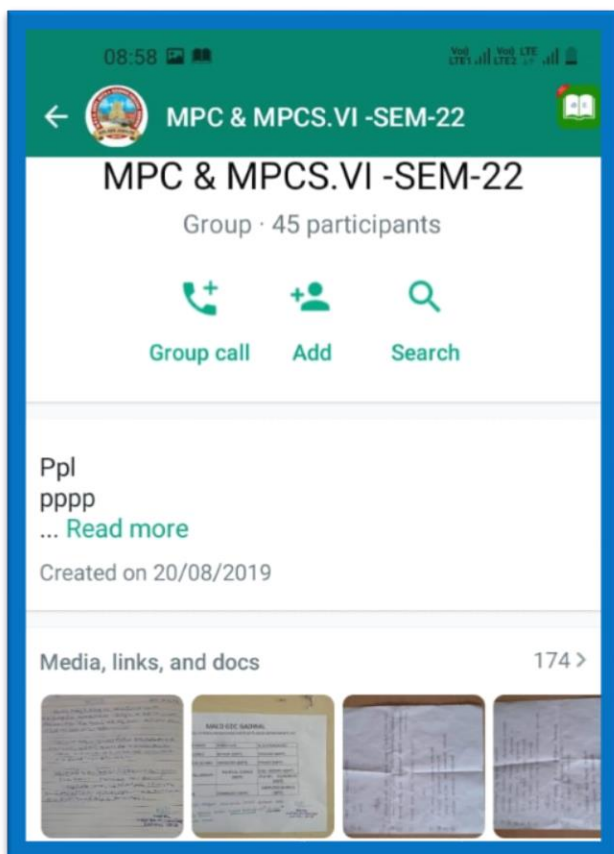
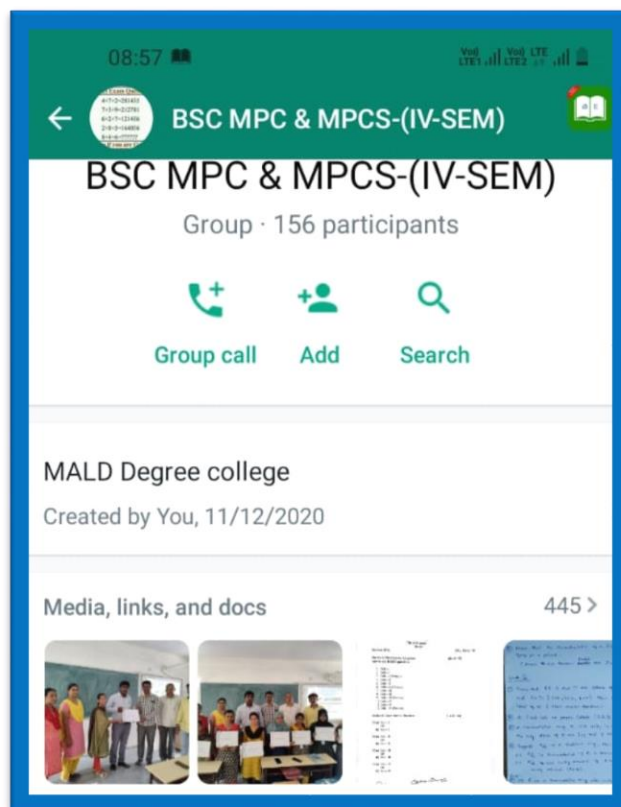
## YOUTUBE CLASSES DURING PANDEMIC

Physics dept conducted a you tube classes in for BSC (MPC & MPCS) students





# WhatsApp Groups for Knowledge sharing



## STUDENT STUDY PROJECTS

The following students are allotted and submitted study projects in Physics Department  
Academic year 2016-17 to 2020-21

<b>Academic Year 2016-17</b>					
Sl.No	Name of the Students	Roll Number	CLASS	YEAR	Topic
1	VIJAYA BHASKAR	16033024468100	BSC(MPCS)	I	<b>COMPOUND PENDULUM</b>
2	YEDDHULA ASWINI REDDY	16033024441049	BSC(MPC)	I	
3	P RANI	302413468003	BSC(MPCS)	III	
4	D SHASHIREKHA	302413468006	BSC(MPCS)	III	
5	VIMALA	302413468051	BSC(MPCS)	III	
<b>Academic Year 2017-18</b>					
Sl.No	Name of the Students	Roll Number	CLASS	YEAR	Topic
1	P NEETU	17033024441029	BSC(MPC)	I	<b>INFRARED SECURITY</b>
2	B KEERTHANA	17033024441002	BSC(MPC)	I	
3	T GEETHA	17033024441036	BSC(MPC)	I	
4	C Thanuja	16033024468012	BSC(MPCS)	II	
5	Gulnaz Neha	16033024468022	BSC(MPCS)	II	
<b>Academic Year 2018-19</b>					
Sl.No	Name of the Students	Roll Number	CLASS	YEAR	Topic
1	K AMULYA	180330244415019	BSC(MPC)	I	<b>SHADOW ALARM CIRCUIT</b>
2	K MOUNIKA	18033024441525	BSC(MPC)	I	
3	V KAVYA SRI	18033024441553	BSC(MPC)	I	
4	C Thanuja	16033024468012	BSC(MPCS)	III	
5	Gulnaz Neha	16033024468022	BSC(MPCS)	III	
<b>Academic Year 2019-20</b>					
Sl.No	Name of the Students	Roll Number	CLASS	YEAR	Topic
1	K SAIKIRAN	17033024468030	BSC(MPCS)	III	<b>Logical Gates</b>
2	S Sunil	17033024441037	BSC(MPC)	III	
3	D Saiteja	17033024468011	BSC(MPCS)	III	
4	G Laxmi	17033024468014	BSC(MPCS)	III	
5	K Mahesh	17033024441520	BSC(MPCS)	III	
<b>Academic Year 2020-21</b>					
Sl.No	Name of the Students	Roll Number	CLASS	YEAR	Topic
1	VENKATESHWARAMMA	18033024468021	BSC(MPCS)	III	<b>Moment Of Inertia of A Fly –Wheel</b>
2	K LAXMI	19033024468019	BSC(MPC)	I	
3	D PRATHYUSHA	19033024468013	BSC(MPCS)	I	
4	SEEMA	19033024468035	BSC(MPCS)	I	
5	U GURU SWAMY	19033024441527	BSC(MPC)	I	



**STUDENT STUDY PROJECT**

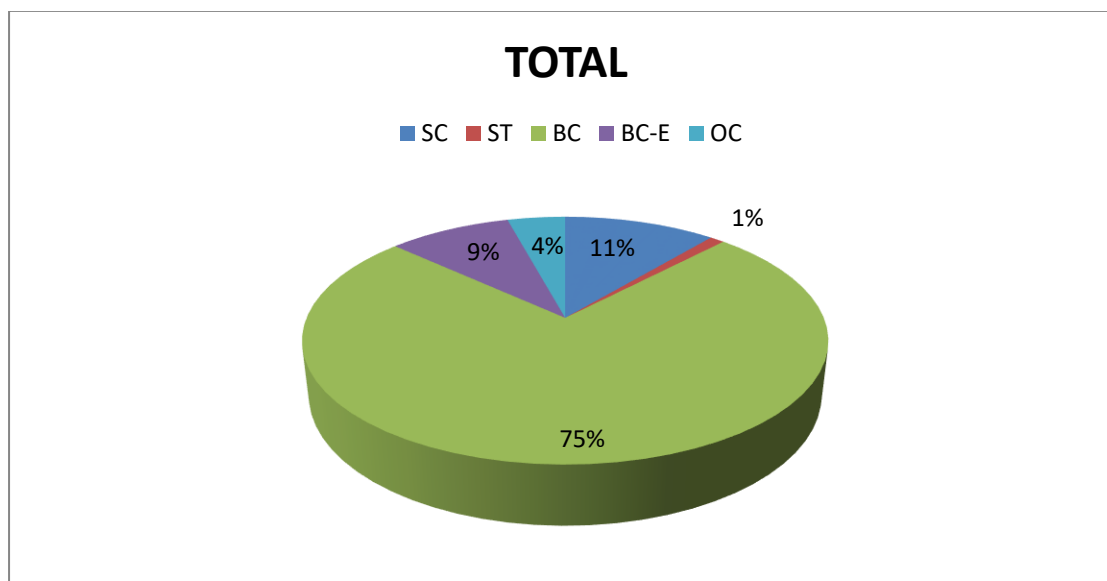


**STUDENT STUDY PROJECT**

## STUDENT PROFILE

Year, Sex and Caste wise Student profile is tabulated below

CLASS	GROUPS	SC			ST			BC			BC-E			OC			TOTAL
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
B. Sc I	MPC(E/M)	1	2	3	1	1	2	20	20	40	2	0	2	0	2	2	49
	MPCS(E/M)	5	8	13	1	0	1	39	29	68	4	6	10	0	4	4	88
B. Sc II	MPC(T/M)	1	3	4	0	0	0	8	7	15	1	2	3	0	0	0	22
	MPC(E/M)	2	0	2	0	0	0	8	5	13	1	2	3	0	0	0	18
	M.P.Cs	1	1	2	0	0	0	19	15	34	1	4	5	0	1	1	42
B. Sc III	MPC(T/M)	0	3	3	0	0	0	17	20	37	0	1	1	0	0	0	41
	MPC(E/M)	4	1	5	0	0	0	11	11	22	0	1	1	1	2	3	31
	M.P.Cs-E	4	5	9	0	1	1	25	27	52	3	4	7	1	5	6	75
	M.P.Cs-T	0	1	1	0	0	0	0	0	0	0	0	2	2	0	0	3
<b>TOTAL</b>																<b>369</b>	



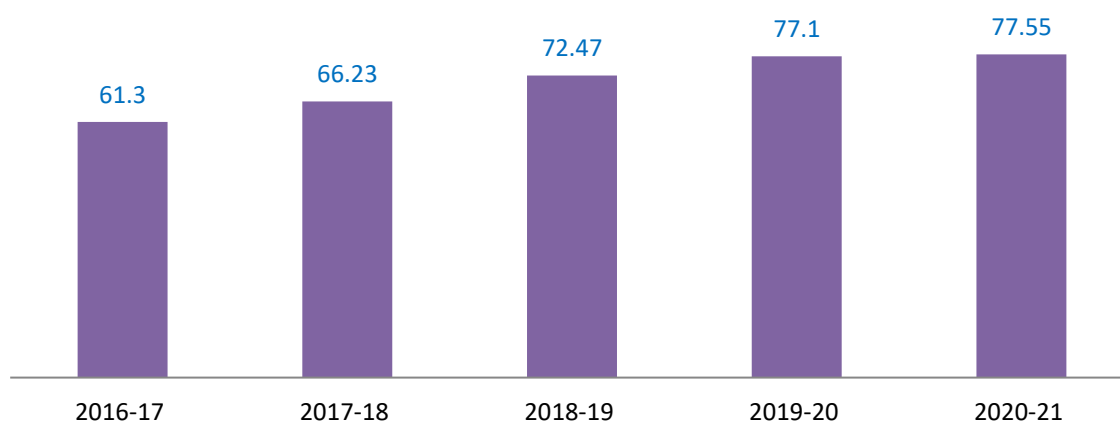
Caste wise three year student strength is as shown below in Pie diagram.

## Result Analysis

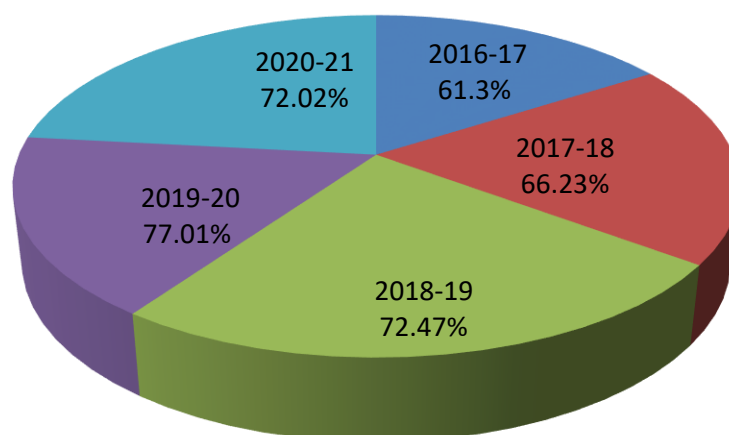
Year and paper wise Result analysis from academic year 2016-17 TO 2020-21

S.NO	YEAR	APPEARED	PASSED	PERCENTAGE
1	2016-17	628	385	61.3
2	2017-18	752	498	66.23
3	2018-19	970	703	72.47
4	2019-20	664	512	77.1
5	2020-21	695	539	77.55

### ***Result analysis from academic year 2016-17 TO 2020-21 Percentage***

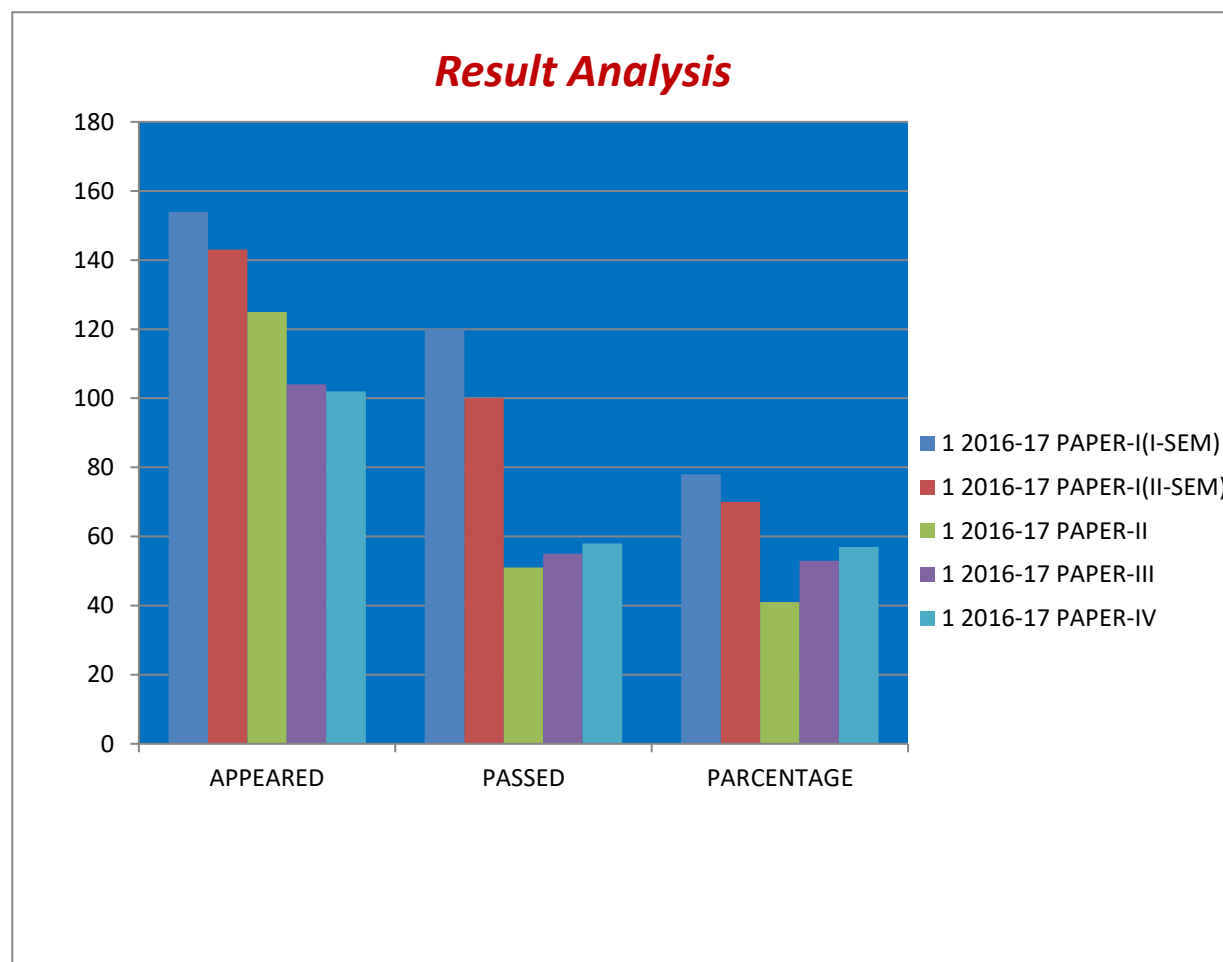


### ***RESULT ANALYSIS 2016-17 TO 2020-21***



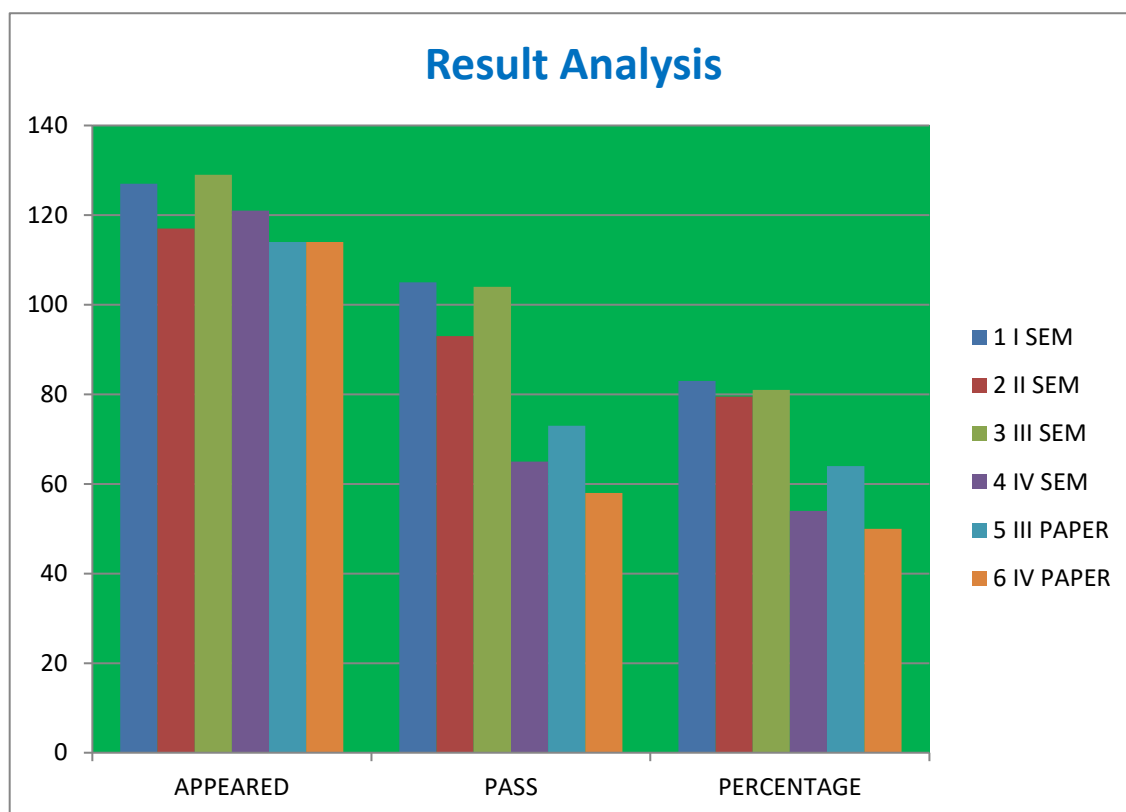
**MALD GOVT ARTS & SCIENCE COLLEGE GADWAL**  
**JOGULAMBA GADWAL-DIST TELANGANA STATE**  
**DEPARTMENT OF PHYSICS**  
**ACADEMIC YEAR 2016-17( RESULT)**

S.NO	YEAR	PAPER	APPEARED	PASSE	
				D	PERCENTAGE
1	2016-17	PAPER-I(I-SEM)	154	120	78
		PAPER-I(II-SEM)	143	100	70
		PAPER-II	125	51	41
		PAPER-III	104	55	53
		PAPER-IV	102	58	57



**MALD GOVT ARTS & SCIENCE COLLEGE GADWAL**  
**JOGULAMBA GADWAL-DIST TELANGANA STATE**  
**DEPARTMENT OF PHYSICS**  
**ACADEMIC YEAR 2017-18( RESULT)**

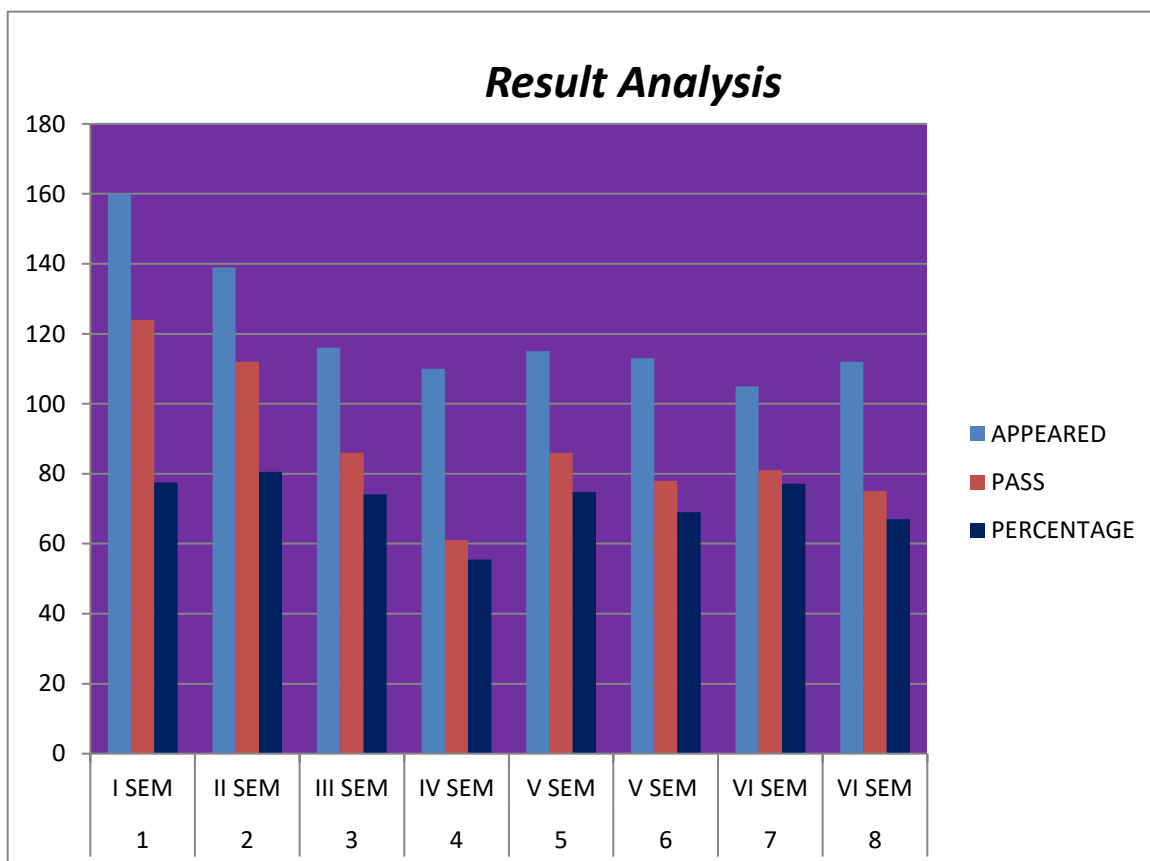
<b>SL.NO</b>	<b>SEMETER</b>	<b>APPEARED</b>	<b>PASS</b>	<b>PERCENTAGE</b>
1	I SEM	127	105	83
2	II SEM	117	93	79.48
3	III SEM	129	104	81
4	IV SEM	121	65	54
5	III PAPER	114	73	64
6	IV PAPER	114	58	50
7	<b>TOTAL</b>	<b>752</b>	<b>498</b>	<b>66.23</b>





**MALD GOVT ARTS & SCIENCE COLLEGE GADWAL**  
**JOGULAMBA GADWAL-DIST TELANGANA STATE**  
**DEPARTMENT OF PHYSICS**  
**ACADEMIC YEAR 2018-19( RESULT)**

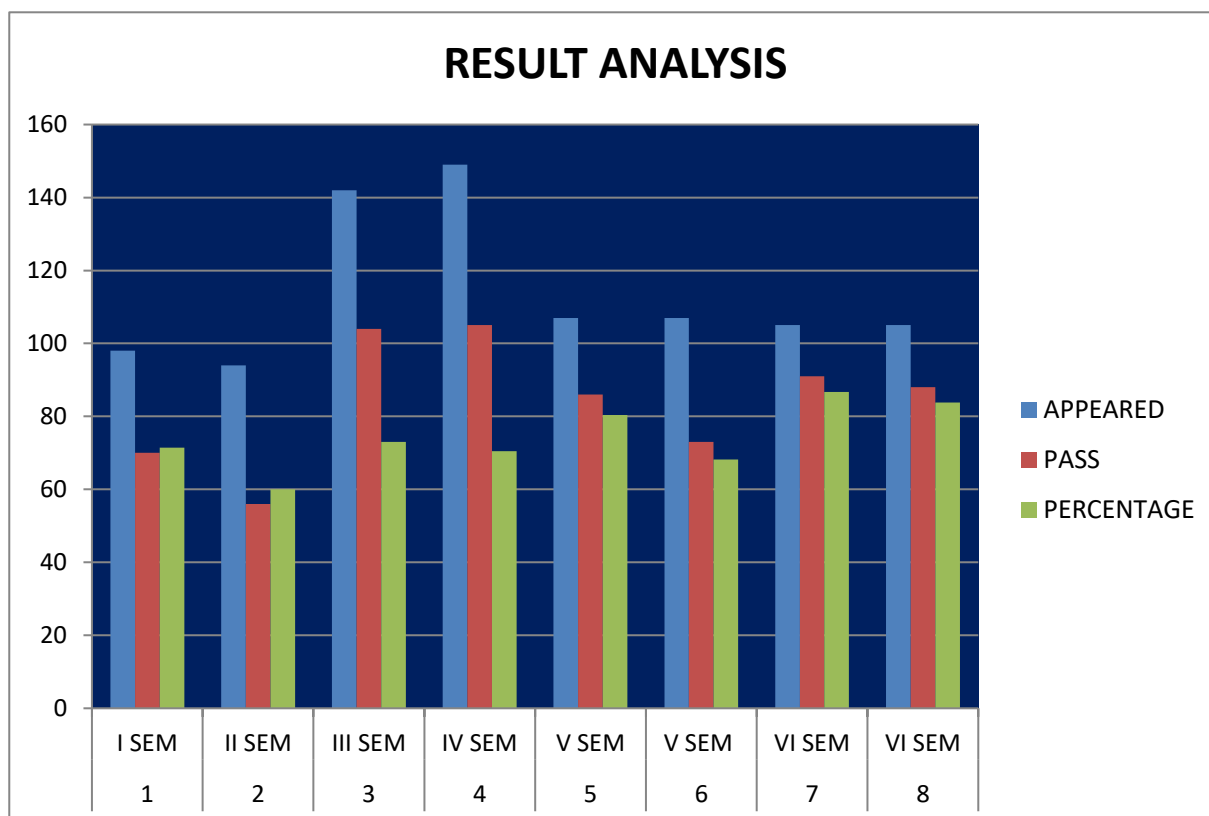
SL.NO	SEMETER	APPEARED	PASS	PERCENTAGE
1	I SEM	160	124	77.5
2	II SEM	139	112	80.57
3	III SEM	116	86	74.13
4	IV SEM	110	61	55.45
5	V SEM	115	86	74.78
6	V SEM	113	78	69.02
7	VI SEM	105	81	77.14
8	VI SEM	112	75	66.96
9	TOTAL	970	703	72.47





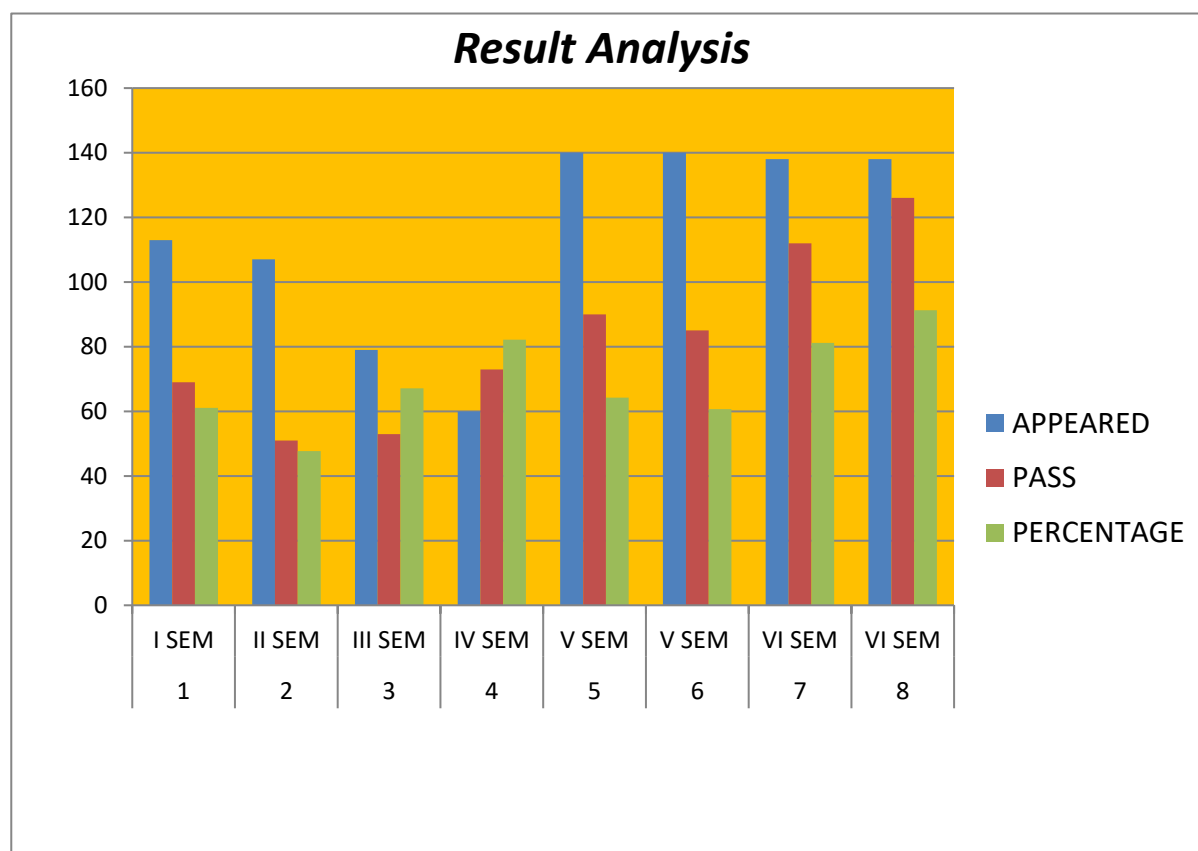
**MALD GOVT ARTS & SCIENCE COLLEGE GADWAL**  
**JOGULAMBA GADWAL-DIST TELANGANA STATE**  
**DEPARTMENT OF PHYSICS**  
**ACADEMIC YEAR 2019-20( RESULT)**

SL.NO	SEMETER	APPEARED	PAS S	PERCENTAGE
1	I SEM	98	70	71.42
2	II SEM	94	56	60
3	III SEM	142	104	73.04
4	IV SEM	149	105	70.46
5	V SEM	107	86	80.37
6	V SEM	107	73	68.22
7	VI SEM	105	91	86.66
8	VI SEM	105	88	83.8
9	TOTAL	907	673	74.2



**MALD GOVT ARTS & SCIENCE COLLEGE GADWAL**  
**JOGULAMBA GADWAL-DIST TELANGANA STATE**  
**DEPARTMENT OF PHYSICS**  
**ACADEMIC YEAR 2020-21( RESULT)**

SL.NO	SEMETER	APPEARED	PASS	PERCENTAGE
1	I SEM	113	69	61.06
2	II SEM	107	51	47.66
3	III SEM	79	53	67.08
4	IV SEM	60	73	82.19
5	V SEM	140	90	64.25
6	V SEM	140	85	60.72
7	VI SEM	138	112	81.15
8	VI SEM	138	126	91.3
9	TOTAL	915	659	72.02



## LIBRARY

### DEPARTMENT LIBRARY

Department of Physics comprises a separate library consisting around 58 Reference books for the purpose of faculty members and students. Our library consists of M. SC Study material for Physics, Old Question papers for PG entrance exams like IIT JAM, Central University common entrance test, various local Universities common entrance test and e-books. Also, it possesses auditory and visual lectures of few concepts in physics in the form of CD's to display the students.



DIGITAL E SOURCES DEPARTMENT OF PHYSICS.pdf

## ALUMNI

### ALUMNI OF THE DEPARTMENT

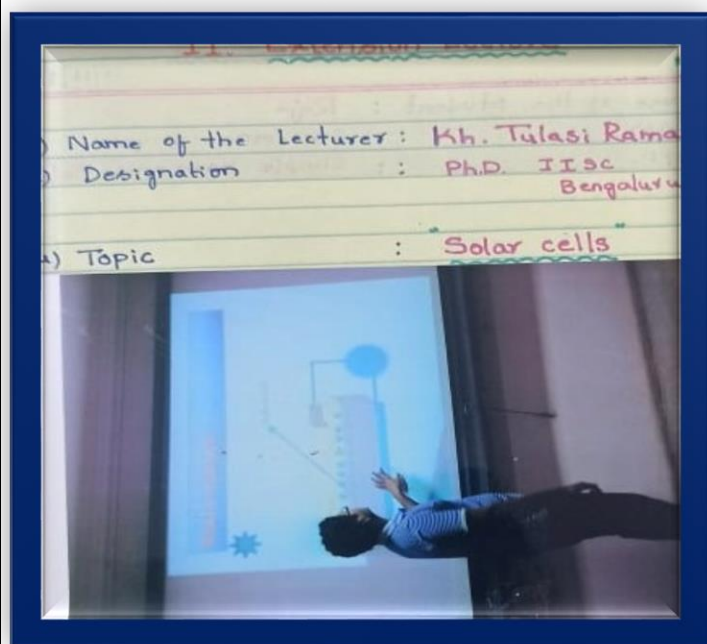
A large number of Alumni of the Department have distinguished themselves in administrative and academic areas in the country and abroad. They are occupying positions of responsibility in research and Industrial establishment and in academic institutions. Alumni of the college are working as Engineers, Lecturers in Degree colleges, Junior Lecturers, Teachers and many Government and Private sectors.

S.NO.	NAME OF THE PERSON	PRESENT DESIGNATION & ADDRESS
1.	SHARANAPPA	SECONDARY GRADE TEACHER
2.	P KISHOR KUMAR	SECONDARY GRADE TEACHER
3.	E JAGADEESH	SECONDARY GRADE TEACHER
4.	K THIRUMALESH	SECONDARY GRADE TEACHER
5.	SURESH	CONSTABLE
6.	K JANARDHAN	GUEST FACULTY

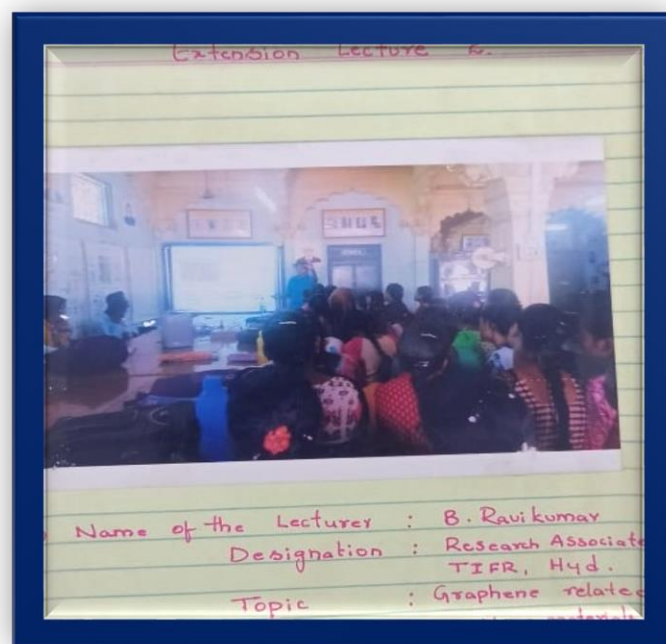
## EXTENSION LECTURES

Besides the regular classes, we organized Extension lectures which inculcate in the minds of students to develop the spirit towards the Research in their Higher education. These extension lectures develops in depth knowledge on particular concept and re-iterate flare to take up the subject one among the core subjects in their future education.

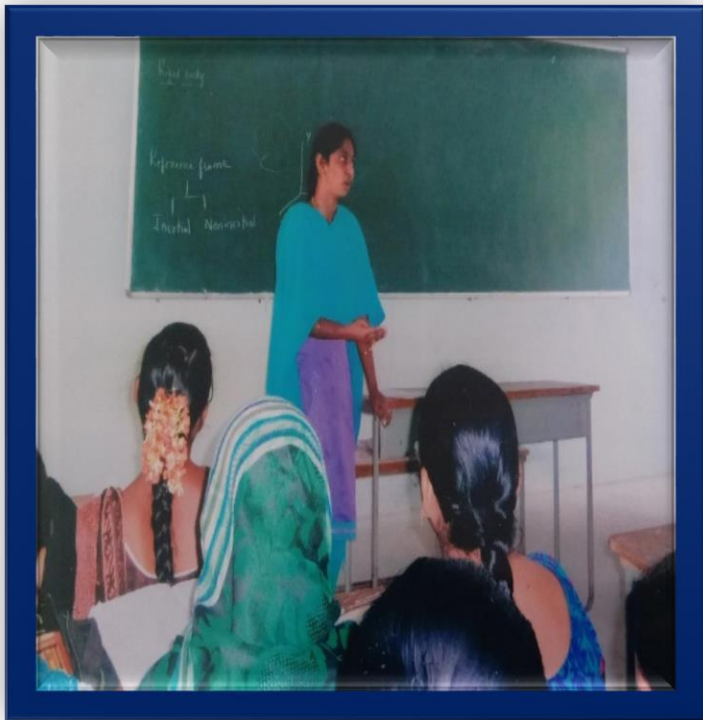
S.NO	NAME	ADDRESS	TOPIC	CLASS	YEAR
1	A Rajini malathi	Ph.D.OU	Rigid Body Dynamics	I	2016
2	Sudharkar	Director of spark Institute Hyd.	Simple harmonic Motion	I.II.III	2016
3	M Ramudu	Faculty Dept of Science & Humanities NIT-AP	Bulk to nano	II	2017
4	B Ravikumar	Research Associate TIFR,Hyd	Nano Materials	III	2018
5	M Devuja	Gdc(w) gadwal	FARADAYS LAW	III	2019
6	M SUHRA MURTHY	GDC KUKATPALLY	ELECTRONIS	III	2020
7	A RADHIKA	GDC ATMAKUR	SSP	III	2021



**Extension Lecture**



**Extension Lecture**



**Extension Lecture**



**Extension Lecture**



**Extension Lecture**



**Extension Lecture**



## BEST PRACTICES

We organized certificate courses on VOLTAGE REGULATOR-CONSTRUCTION USING DIODES and MS OFFICE which develops their technical skills besides studies and as well they can earn money while learning during holidays.



Certificate courses



Certificate courses

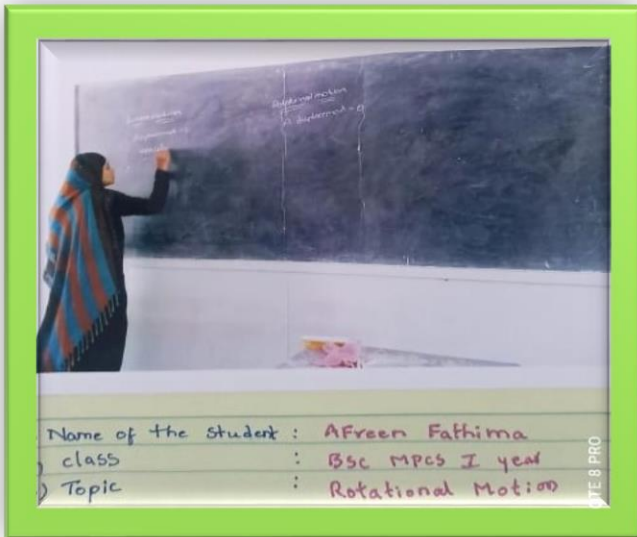
### Demonstration of complex concepts through experiments



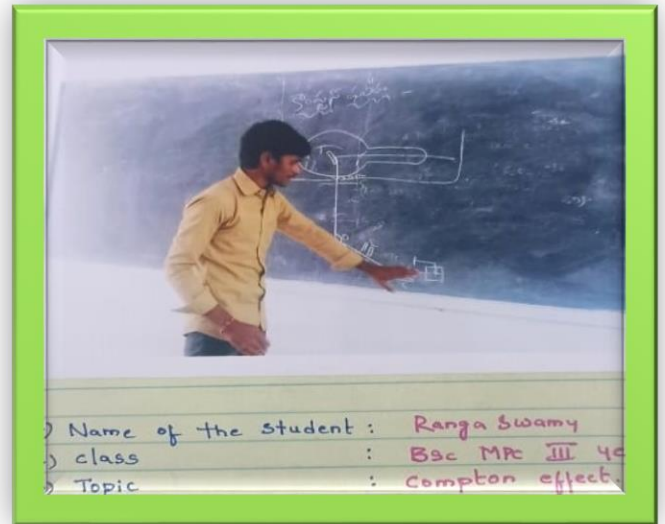
## STUDENTS SEMINAR

Our Students are encouraged to participate in student seminars which enhance their self learning skills, teaching techniques and subject analyzing power. Few of our student's names with year and topic wise are listed below.

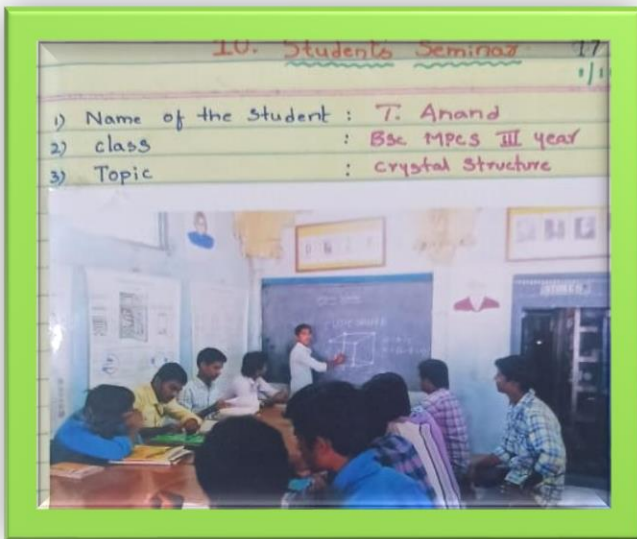
S.NO	NAME	GROUP	TOPIC	YEAR
1	RANGA SWAMY	BSC III-MPC	COMPTON EFFECT	2015-16
2	T ANAND	BSC III-MPCS	CUBIC STRUCTURE	2015-16
3	K HARI KRISHNA	BSC III-MPC	MAXWLL EQUATION	2015-16
4	K SURESH	III MPC	CUBIC CRYSTAL	2015-16
5	AFREEN FATHIMA	I YEAR I	ROTATIONAL MOTION	2015-16
6	C SOUMYA	BSC III-MPCS	GAMMA RAY MICROSCOPE	2016-17
7	K VIJAY BHASKAR	I YEAR	COMPOUND PENDULUM	2016-17
8	R VEERESH	III MPC	GM COUNTER	2016-17
9	M SHIVA NAIDU	III MPCS	NEWTONS RINGS	2016-17
10	C RAJASHEKAR	III MPCS	PARTICL IN BOX	2016-17
11	RAJU	III MPC	SHM	2017-18
12	M SHIVA	III MPCS	NEWTONS RINGS	2017-18
13	MAHENDHER	II MPC	THARMODYNAMIC	2017-18
14	SAI	III MPC	RAMAN EFFECT	2017-18
15	S SRILAXMI	II MPC	FIBER OPTICS	2018-19
16	T CHANTI	II-MPC	ABARRATION	2018-19
17	AMULYA	II MPC	F-D EQUATION	2019-20
18	BHAGYA SRI	II MPC	CROMATIC ABARRATION	2019-20
19	SARWESHWARI	II MPC	DIAMAGNETISATION	2019-20
20	SRILAMI	II MPC	T-S DIAGRAM	2019-20
21	Y SNEHA	I MPCS	THERMAL CONDUCTIVITY	2020-21
22	C GAYATHRI	I MPC	T-S DIAGRAM	2020-21
23	N NANDINI	I MPCS	STEFANS LWA	2020-21



Student Seminar



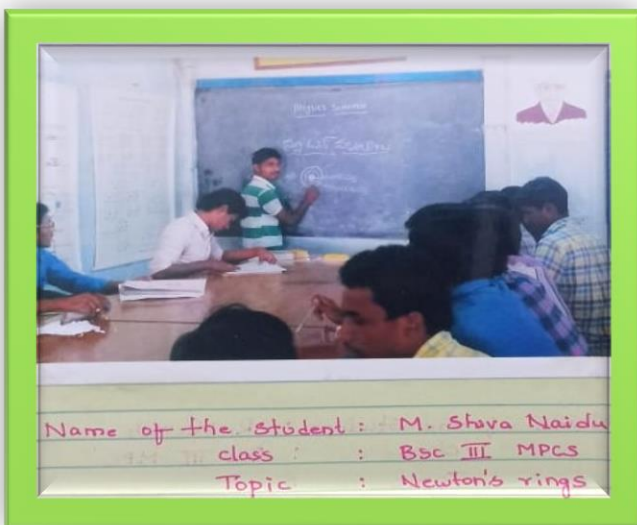
Student Seminar



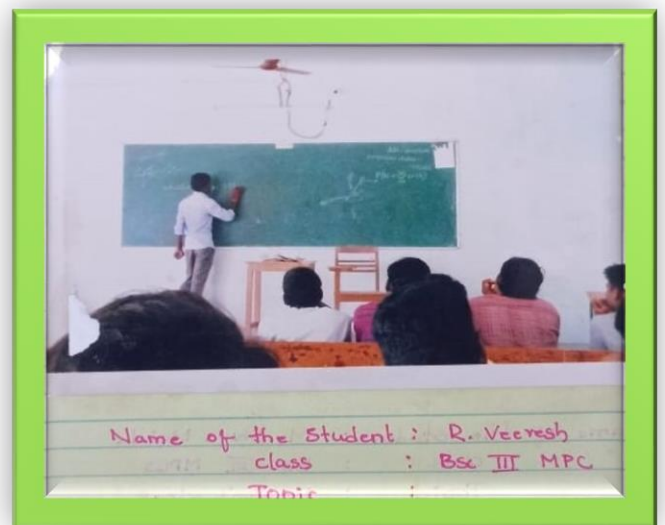
Student Seminar



Student Seminar



Student Seminar



Student Seminar





Student Seminar



Student Seminar



Student Seminar



Student Seminar



Student Seminar



Student Seminar



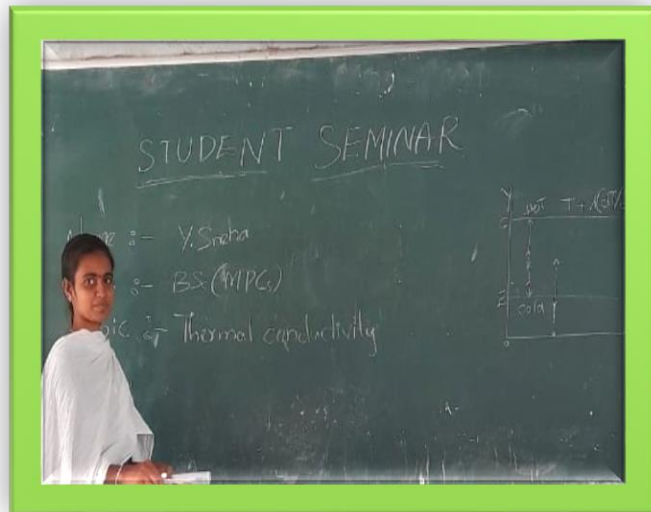
Student Seminar



Student Seminar



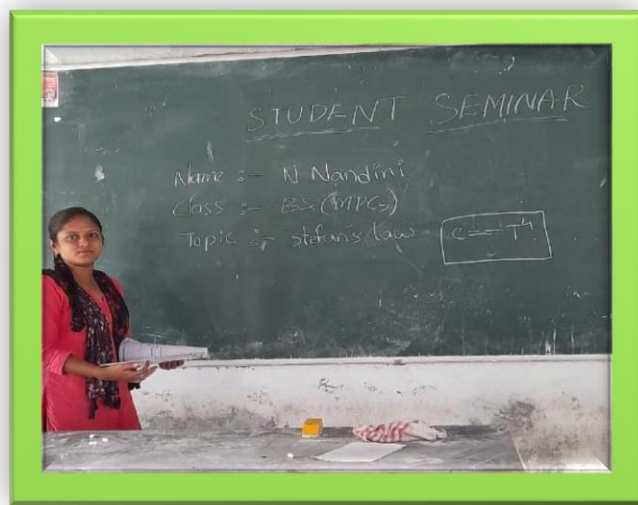
Student Seminar



Student Seminar



Student Seminar



Student Seminar



## GROUP DISCUSSION

Physics dept conducted a Group Discussion in for BSC (MPC & MPCS) students



**Group Discussion**



**Group Discussion**



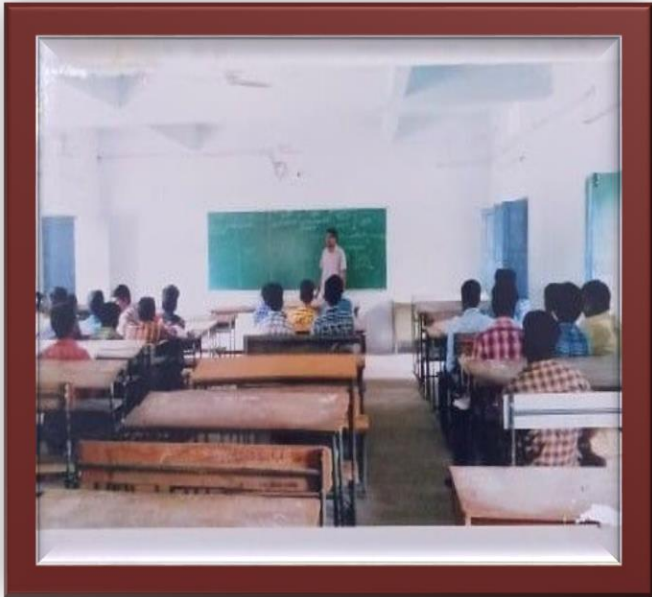
**Group Discussion**



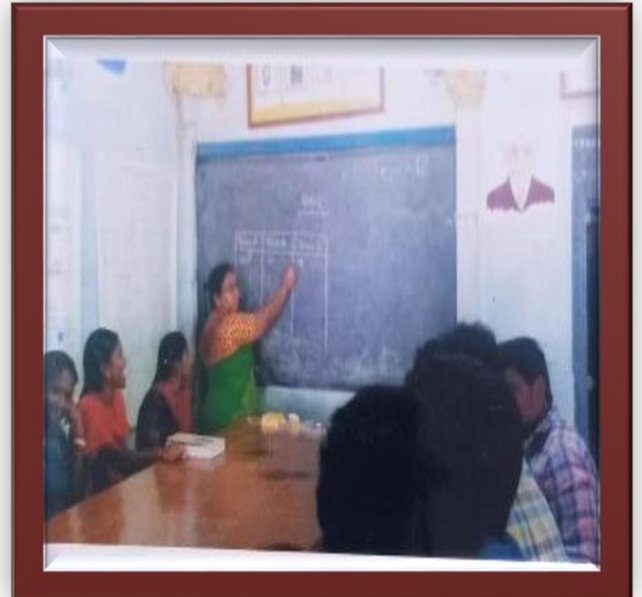
**Group Discussion**

# QUIZ

Physics dept conducted a Quiz in for BSC (MPC & MPCS) students



**Quiz**



**Quiz**



**Quiz**



**Quiz**



## FIELD TRIPS

Department of Physics organizes field visits to various Salar Jung Museum, Birla Auditorium .Osmania University

### SalarJung Museum



### Osmania University



### Birla Auditorium



Department of Physics organizes field visits to various scientific centers like CCMB, NGRI.Osmania University



## HIGHLIGHTS

### HIGHLIGHTS OF THE DEPARTMENT

- ❖ Study projects and working models carried out by Students
- ❖ Extension lectures by learned personalities
- ❖ Student Seminars
- ❖ Guest Lectures
- ❖ Quiz competitions
- ❖ Group Discussion
- ❖ Certificate courses on MS OFFICE
- ❖ Field trips
- ❖ Teaching through OHP's and ICT's
- ❖ Additional Inputs

**ACTION PLAN**  
**ACTION PLAN FOR ACADEMIC YEAR 2020-21**

S.NO	MONTH	ACTIVITIES( I,III,V SEMS)
1	SEPTEMBER-2020	Preparation of Academic Calendar Admission Work
		Admission Work
		Analysis of results
2		Commencement of Classes for I,III,V Sems Students
		Preparation of Time-Table
3	NOVEMBER-2020	1 <sup>st</sup> - seminarsfor I,III,V Sems Students(4 <sup>th</sup> Friday)
		1 <sup>st</sup> Assignments for I,III,V Sems Students(OCT -20)
4	DECEMBER-2020	2 <sup>nd</sup> - Seminarsfor I,III,V Sems Students(4 <sup>th</sup> Friday)
		2 <sup>th</sup> Assignments for I,III,V Sems Students(DEC-30)
		Extension leturer
		Student Study Project
5	Jan-21	Group discussions
		Certificate Course
		Internal Assessment Test-1
6	Feb-21	Field trips
		Internal Assessment Test-2
		Remedial Classes
		Preparation & Conduct of Practical Examination
		I,III,V EXAMS FEB- 2021
<b>II IV VI SEMESER</b>		
1	Mar-21	Commencement of Classes for II,IV,VI Sems Students
		1 <sup>st</sup> Assignments for II,IV,VI Sems Students(MAR-30 <sup>th</sup> )
2	Apr-21	Group discussions
		Certificate Course
		1 <sup>st</sup> - seminarsfor II,IV,VI Sems Students(4 <sup>th</sup> Friday)
3	May-21	Internal Assessment Test-1
		Student Study Project
		Extension leturer
4	Jun-21	2 <sup>th</sup> Assignments for II,IV,VI Sems Students(JUNE-28)
		2 <sup>nd</sup> - Seminarsfor II,IV,VI Sems Students(4 <sup>th</sup> Friday)
		Field trips
		Remedial Classes
5	Jul-21	Internal Assessment Test-2
		Preparation & Conduct of Practical Examination
		Commencement of Examinations



## **FUTURE PLAN**

1. Department encourages the students to take up the more study projects and working models.
2. Strengthening the quality of free coaching classes for M. Sc, B. Ed. Entrance examinations to meet the standards of IIT's, Various Central Universities and REC's (B.Ed.) entrance exams.
3. Planning to encourage the students through Medals and cash prizes to enhance their interest on subject and getting good academic marks in our subject.
4. Planning to issue Medals and Cash prizes for the students, who joins in reputed Universities for their PG in Physics
5. Planning to organize more number of CERTIFICATE COURSES through which they can develop their technical skills and can earn while learning.
6. Continue to conduction of more Extension Lectures through experienced Researchers from various Universities.
7. Field trips to various reputed research centers in India
8. Introduce B.Sc. Electronics and M.Sc. Physics in our College

## PHOTO GALLERY

### Gadwal Fort and Sri Bhoo-LaxmiChennaKesavaSwamy Temple photos



Fig. Main Entrance into the fort of Gadwal and Sri Chenna Kesava Swamy temple situated in the premises of our college





**Certificate course**



**National science day**



**Extension Lecturer**



**for the Love of Physics**



**Haritha Haram**



**Student Seminar**





**Group Discussion**



**Topper in Physics**



**T-Sat Program (Dept of Physics)**



**Use of ICT (Dept of Physics)**



**Certificate course (Certificate Issue)**



**Quiz Program**