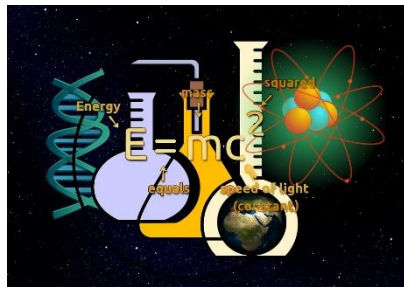


**Telangana Social Welfare
Residential Degree College for
Women,
Mancherial.**

Department of Physics



Profile

By

Rizwana Begum, M.SC(Physics), TSSET

HOD, Department of Physics, Lecturer in Physics

Kondagurla Padma, M.SC(Physics), B. ED

Lecturer in Physics

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Brief analysis

S.NO	PROFILE OF THE DEPARTMENT	RESPONSES
1.	Name of the Department	Physics
2.	Year of Establishment	2016
3.	Number of Teachers sanctioned and present position	02 and 02
4.	Number of Technical Staff	Nil
5.	Number of Teachers and Students	02 and 80
6.	Ratio of Teachers to Students	1: 40
7.	The year when the curriculum was revised last	2019
8.	Number of students secured ranks in universities(Last Five years)	12
9.	Success Rate of students (what is the pass percentage as compared to the University avg.)	98.7%
10.	University Distinction/Ranks (2016-17 onwards Sem wise)	841
11.	Faculty who have Attended National and International Seminars(last five years)	0
12.	Faculty who have Attended number of orientation courses and refresher courses	2
13.	Number of Ongoing projects and its total outlay	0
14.	Number of books in the Departmental Library, if any	20
15.	Number of Computers	1 (PERSONAL LAPTOP)
16.	Annual Budget	Nil

About the Department of Physics:

Department of Physics, TSWRDC(W), Mancherial was established in the year of 2016 affiliated to KAKATIYA UNIVERSITY. The department of Physics offers Undergraduate Courses with various combinations to Science stream students. The department has one well equipped laboratory. We are developing students individual thinking skills by providing them a skillful environment and the ability to solve the problems in physics. At the same time, we give excellent guidance and training to students to placed in higher education. The strength of the department is of two lecturers with excellent teaching experience and high qualifications.

- Names of Programmes / Courses offered: **UG-B.SC(MPC) & B.SC(MPCS)**
- Names of Interdisciplinary courses and the departments/units involved: **Mathematics, Chemistry, Computer Science**
- Annual/ semester/ choice based credit system (programme wise): **Choice Based Credit System.**
- Participation of the department in the courses offered by other departments: **TASK**
- Courses in collaboration with other universities, industries, institutions: **Nil.**
- Details of courses/ programmes discontinued (if any) with reasons : **Nil**

Our motto:

TO DEVELOP CONCEPTUAL KNOWLEDGE IN STUDENTS THROUGH EXPERIMENTAL LEARNING.

DEPARTMENT INFORMATION:

Name of the Department: Physics

Present Faculty Contact Details:

Name	Position	Contact Number	E-mail
Rizwana Begum Mohammad	Lecturer	7893895073	rizwana9311@gmail.com
Padma Kondagurla	lecturer	8985027484	kondagurlapadma@gmail.com

Number of Teaching posts:

	Sanctioned	Filled
Lecturer	02	02

Faculty profile with name, qualification, designation, specialization,

Name	Qualification	Designation	Specialization	No Of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Rizwana Begum Mohammad	M.SC(Physics), TSSET	Lecturer	Physics	5 years	--
Padma Kondagurla	M.SC(Physics), B. ED	Lecturer	Physics	7 years	--

Bio Grapy of the Faculty members

Name of the candidate	RIZWANA BEGUM MOHAMMAD 
Date of Appointment & Date of Joining	07.08.2019 & 22-08-2019
Date of birth	11-04-1992
SSC	Completed in 2008 at ZPHS Mohanraopet, Jagtial Dist.
Intermediate	Completed in 2010 at Jagtial
Under Graduate B.SC (MPCS)	Graduated in 2013 under SATAVAHANA University
Post Graduate M.SC.(Physics)	Completed in 2015 from University college of science, Osmania University, Hyderabad,
TSSET	Qualified in 2017
Address	D/O Mohammad Chinna Rajmohammad vil :Mohanraopet, mdl: Korutla Dist: Jagtial State: Telangana- 505453
Achivemets	<ul style="list-style-type: none"> ➤ Secured state 5th rank in PG entrance exam conducted by Osmania University ➤ Qualified TSSET Examination in 2017

PROFESSIONAL DEVELOPMENT:

<p>Rizwana Begum Mohammad</p>	<ul style="list-style-type: none">✦ Participated in Faculty Induction Program at University of Hyderabad from 25.12.2019 to 01.01.2020✦ Participated in Faculty Development program through online mode from 15.06.2020 to 30.06.2020
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Name of the candidate	Padma Kondagurla 
Date of Appointment & Date of Joining	10-07-2017
Date of birth	06-03-1992
SSC	Completed in 2008 at ZPHS Murimadugu, Mancherial dist
Intermediate	Completed in APSWRJC(G), Adilabad
Under Graduate B.SC	Graduated in 2013 under KAKATIYA University
Post Graduate M.SC	Completed in Giriraj Govt Degree college, Nizamabad
Address	5-57 vidyanagar, Murimadugu, Jannaram, Mancherial.
Achivemets	

Department Work load Particulars (2023-2024 Onwards)

Name of the lecturer	Year	Theory	Practical	Total
Rizwana Begum Mohammad	I	4	3	7
	II	2	-	2
	III	4	3	7
Padma Kondagurla	I	-	-	-
	II	6	3	9
	III	4	3	7
Total Work load		20	12	32

Dept. of Physics. Time Table :2019-2020

DAY	1h	2h	3h	4h	5h	6h	4:30-5 PM
MONDAY	MPC-III	MPC-I,II			MPC-II LAB		PG CLASS
TUESDAY	MPC-III	MPC-I,II			MPC-II LAB		PG CLASS
WEDNESS DAY	MPC-III(P-6) LAB MPC- II CLASS				MPC-III, MPC-I LAB		PG CLASS
THURSDAY	MPC-III(P-6) LAB & MPC-II CLASS				MPC-III & MPC-I LAB		PG CLASS
FRIDAY	MPC-III(P-5) LAB & MPC-I CLASS				MPC-III		PG CLASS
SATURDAY	MPC-III (P-5) LAB		MPC-I	MPC-III			PG CLASS

Dept. of Physics TIME TABLE -2020-2021

DAY	1h	2h	3h	4h	5h	6h	4:30-5 PM
MONDAY	MPC-III	MPC-I,II			MPC-II LAB		PG CLASS
TUESDAY	MPC-III	MPC-I,II		NONCORE MSCS-II & MPC-II	MPC-II LAB		PG CLASS
WEDNESS DAY	MPC-III(P-6) LAB MPC- II CLASS			NONCORE MZC-II & BZC-II	MPC-III, MPC-I LAB		PG CLASS
THURSDAY	MPC-III(P-6) LAB & MPC-II CLASS				MPC-III & MPC-I LAB		PG CLASS
FRIDAY	MPC-III(P-5) LAB & MPC-I CLASS			NONCORE MSCS- II&MPC-II	MPC- III		PG CLASS
SATURDAY	MPC-III (P-5) LAB		MPC-I	MPC-III		NONCORE MZC-II & BZC-II	PG CLASS

Dept. of Physics TIME TABLE -2021-2022

DAY	1h	2h	3h	4h	5h	6h	4:30-5 PM
MONDAY	MPC-III	MPC-I,II			MPC-II LAB		PG CLASS
TUESDAY	MPC-III	MPC-I,II		NONCORE MSCS-II & MPC-II	MPC-II LAB		PG CLASS
WEDNESS DAY	MPC-III(P-6) LAB MPC- II CLASS			NONCORE MZC-II & BZC-II	MPC-III, MPC-I LAB		PG CLASS
THURSDAY	MPC-III(P-6) LAB & MPC-II CLASS				MPC-III & MPC-I LAB		PG CLASS
FRIDAY	MPC-III(P-5) LAB & MPC-I CLASS			NONCORE MSCS- II&MPC-II	MPC- III		PG CLASS
SATURDAY	MPC-III (P-5) LAB		MPC-I	MPC-III		NONCORE MZC-II & BZC-II	PG CLASS

Dept. of Physics TIME TABLE -2022-2023

DAY	1h	2h	3h	4h	5h	6h	4:30-5 PM
MONDAY	MPC-II LAB & MPC-II CLASS		MP CS- II	NONCOR E MPC-II	NONCORE MZC-II MPC-I LAB		PG CLASS
TUESDAY	MPC-II	MPC-I,II	MPCS-II CLASS & MPC-I LAB			NONCOR E BZC-II	PG CLASS
WEDNESS DAY	MPC-II	NONCO RE MPC- II			NONCORE MPCS-II		PG CLASS
THURSDA Y		NONCO RE MPCS-II	MPC-II CLASS & MPC-III LAB		MPCS-II LAB		PG CLASS
FRIDAY			MPC-II LAB & D.S-II NONCORE		MPCS-II LAB		PG CLASS
SATURDA Y		MPCS-II		MPC-II	NONCOR E MZC-II & MZC-II		PG CLASS

Dept. of Physics TIME TABLE -2023-2024

DAY	1h	2h	3h	4h	5h	6h	4:10-5 PM
MONDAY	MPCS-III & MPC-III	MPC-I				MPC-II	PG CLASS
TUESDAY	MPCS-III & MPC-III	MPC-I & MPC-II		MPCS-III	MPC-III	LAB	PG CLASS
WEDNESS DAY	MPCS-III & MPC-III	MPC-I & CLASS	MPC-II LAB			MPC-II	PG CLASS
THURSDAY	MPCS-III & MPC-III		MPC-I	MPC-I	PHYSICS	MPC-II CLASS LAB	PG CLASS
FRIDAY			NONCORE MPC, D.S BZC&MZC				PG CLASS
SATURDAY	MPC-II			NONCORE MPC, D.S BZC&MZC	PG CLASS		PG CLASS

RESULT ANALYSIS (2016-17 TO 2022-23)

YEAR	SEM	APPEARED	PASSED	FAIL	PERCENTAGE	CUMULATIVE PERCENTAGE
2016-17	I	31	31	0	100%	100%
	II	31	31	0	100%	
2017-18	I	27	27	0	100%	100%
	III	31	31	0	100%	
	II	26	26	0	100%	
	IV	31	31	0	100%	
2018-19	I	35	35	0	100%	100%
	III	24	24	0	100%	
	V-P-5	31	31	0	100%	
	V-P-6	31	31	0	100%	
	II	35	35	0	100%	
	IV	24	24	0	100%	
	VI-P-7	30	30	0	100%	
	VI-P-8	30	30	0	100%	
2019-20	I	35	35	0	100%	99%
	III	33	33	0	100%	
	V-P-5	25	24	1	96%	
	V-P-6	25	25	0	100%	
	II	35	35	0	100%	

	IV	32	32	0	100%	
	VI-P-7	25	25	0	100%	
	VI-P-8	25	25	0	100%	
2020-21	I	26	19	7	73%	95%
	III	33	33	0	100%	
	V-P-5	30	30	0	100%	
	V-P-6	30	30	0	100%	
	II	25	21	4	84%	
	IV	33	33	0	100%	
	VI-P-7	29	29	0	100%	
	VI-P-8	29	29	0	100%	
2021-22	I	60	58	0	96%	99%
	III	18	18	0	100	
	V	33	33	0	100%	
	II	58	57	1	98%	
	IV	15	14	0	93%	
	VI	33	33	0	100%	
2022-23	I	14	12	02	86%	98%
	III	49	48	1	98%	
	V	13	13	0	100%	
	II	14	12	2	86%	
	IV	48	48	0	100	
	VI	13	13	0	100	

ACHIEVMENTS of The Students(Higher Education)

PASSED YEAR	S.NO	NAME OF THE STUDENT	COURSE	INSTITUTION & ADDRESS	UNIVERSITY
2019-20	01	B. Mounika	M.SC (Physics)	Koti women's college	Osmania University
	02	J. Pravalika	M.SC (Physics)	University college of science	Osmania University
	03	J. Rajeshwari	M.SC (Physics)	Nizam college	Osmania University
	04	K. Vijayalaxmi	M.SC (Physics)	University college of science	Telangana University
2020-21	01	V. Pravalika	M.SC (Physics)	CV Raman PG college	Kakatiya University
	02	G. Anusha	M.SC (Physics)	Kakatiya govt PG college	Kakatiya University
2021-22	01	E. Swathi	M.SC (Physics)	Nizam college	Osmania University
	02	T. Rajini	M.SC (Physics)	Nizam college	Osmania University
	03	J. Jyoshna	M.SC (Physics)	University college of science	Kakatiya University
2022-23	01	CH. Chandana	M.SC (Physics)	University PG College	Satavahana University
	02	K. Susmitha	M.SC (Physics)	University college of science	Mahatma Gandhi University
	03	CH. Shravya	M.SC (Physics)	University college of science	Mahatma Gandhi University

Department Activity

S.NO	ACADEMIC YEAR	Date	NAME OF THE ACTIVITY	REPORT OF THE ACTIVITY	REMARKS
01	2019-20	January,2020	Student Seminar on Stellar Energy	A Student Seminar by J. Rajeshwari & k. Vijayalaxmi, MPC-III year	
02		January,2020	Flipped class on	By M. Konakmala MPC-III year student	

			Semiconductors		
03		February,2020	Seminar on Photo electric effect	By M. Konakmala & J. Rajeshwari, MPC-III year students	
04		February,2020	Student seminar on Polarization	By S.Sravani, MPC-II YEAR	
05		February,2020	Seminar on Specific heat ratio	By T.Srija , MPC-I YEAR	
01	2020-21	November, 2020	Online Student Seminar on Elementary band theory	By R. Soumya, MPC-III year	
02		December, 2020	Online Student Seminar on Magnetic properties of materials	A Student Seminar by Vandana, Ravali, J. pravalika and J. Mamatha, MPC -III year	
03		03.03.2021	Online webinar on Concept of reciprocal lattice	Online National webinar was conducted by department of physics. Resource person was M.A SHUKUR(Assistant professor)	
04		25.03.2021	Quiz	Quiz conducted to BA- II year students	
01	2021-22	03.12.2021	Departmental Forum	Dept of physics, Mancherial were the panel members for 5 th departmental forum conducted by TSWREIS	
02		04.01.2022	Student seminar on Gauss law and applications	By K. Manisha and B. Shravyarani, MPC-II year	
03		28.02.2022	National Science Day	Organized by dept of physics. Students actively participated with speeches and presentations	

01	2022-23	15.06.2022	Debate on atomic and nuclear physics	Conducted for second and final year students.	
02		18.10.2022	Quiz on Newton laws	Conducted for all year students	
03		17.11.2022	Model PG entrance exam	Conducted for Physics aspirants	
04		5.1.2023	Student seminar on Electrostatics	By K. Aruna , MPCS-II year	
05		28.02.2023	National Science Day	Organized by dept of physics. Students exhibited many poster presentations in various fields of science	
06		02.09.2023	Student seminar on Raman effect and vibrational spectra of atomic molecule	By A. Akhila , MPCS-III YEAR AND J. Sarthika , MPC-III year	
07		30.09.2023	Student seminar on Bragg's equation	By R. Anusha, MPC-III year	

STUDENT PROJECTS

S.NO.	ACADEMIC YEAR	NAME OF THE STUDENT	GROUP & YEAR	TOPIC
01	2019-20	1.J. Rajeshwari 2. B. Mounika 3. G. Sravanthi	MPC-III YR	Electromagnetic Spectrum
01	2020-2021	V. Pravalika G. Anusha	MPC-III YR	Power production methods
02	2023-24	D. Deepthi M. Rojarani K. Shyamala	MPCS-III	Semiconductors
03	2023-24	V. Sandhyarani K. Devena G. Shyamala	MPC-III YR	Solar cells







14 Dec
2023
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