



## VARA LAKSHMI MAMIDI

D. No. 3-252,  
Spinning Mill Colony – 2  
Lalacheruvu, Rajahmundry – 533106  
E.G. District, A.P., INDIA  
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### CAREER OBJECTIVE

- ✓ Observing, understanding and analyzing various scientific processes occurring in nature and their innovative imitation into the modern Science and Technology related to comfort, communication, transport, health, education and entertainment of the modern human life.
- ✓ Teaching Physics and exploring Science through research in Physics.

### PERSONAL INFORMATION AS PER SSC

NAME : Vara Lakshmi Mamidi  
FATHER'S NAME : M. Krishna Rao  
MOTHER'S NAME : M. Brindavathi  
DOB AS PER SSC : 08 FEB 1981  
GENDER : Female  
CATEGORY : BC – B  
RELIGION : Hindu  
NATIONALITY : Indian

### ACADEMIC INFORMATION

CLASS	YEAR OF PASSING	INSTITUTION	BOARD / UNIVERSITY OF STUDY	MARKS SECURED (%)
X	1997	S. N. M. C. H. School, RJY	Board of Secondary Education	81
Intermediate	1999	C. G. T. M. Jr. College, RJY	Board of Intermediate Education	87.2
B.Sc. (M.P.C.)	2002	Rajamahendri Degree College for Women, RJY	Andhra University	79.83
M.Sc. Physics	2015	Acharya Nagarjuna University CDE	Acharya Nagarjuna University	62

### ELIGIBILITY TEST (NET / SET)

Qualified APSET 2021

### TECHNICAL SKILLS

- ✓ Typing English and Telugu
- ✓ Working with MS Office
- ✓ Internet Browsing
- ✓ Documentation of events conducted / celebrated in the institution

LANGUAGES  
KNOWN

Telugu, Hindi and English

TEACHING  
EXPERIENCE  
(13 1/2 Yr)

PERIOD	CLASS	SUBJECT	INSTITUTION
2004 - 05 (1 Year)	IV & V	All Subjects	St. Mary's EM School, Rajahmundry, E.G. District, A.P.
2005 - 06 (1 Year)	III to VIII	Mathematics	Seventh Day Adventist School, Rajahmundry, E.G. District, A.P.
2007 - 08 (1 Year)	I & II Intermediate	Chemistry	Rajamahendri Degree College for Women, Rajahmundry, E.G. District, A.P.

TEACHING EXPERIENCE IN PHYSICS (10 1/2 Yr):

PERIOD	CLASS	SUBJECT	INSTITUTION
2009 (5 Months)	I & II Intermediate	Physics	Sri Chaitanya Jr College, Rajahmundry, E.G. District, A.P.
2010 - 15 (5 Years)	I B.Tech.	Engineering Physics Lab (Practical Demonstration)	University College of Engineering, JNTUK, Kakinada Kakinada District, A.P.
2017- 21 (4 Years)	U.G. & P.G.	The following courses are taught to the students	Government College (A), Rajahmundry E.G. District, A.P.

**2017-18**  
**II, IV & VI Semesters**

- **Program:** III B.Sc.      **Course:** Electronics  
**Theory:** Electronic Communication  
**Practical:** Electronic Communication Lab
- **Program:** I M.Sc.      **Course:** Physics  
**Theory:** Numerical Methods and Programming with C  
**Practical:** Electronics Lab
- **Program:** II M.Sc.      **Course:** Physics  
**Theory:** Antenna Theory and Radio Wave Propagation  
**Practical:** Digital and Communication Electronics &  
Microprocessors Lab

2018-19  
I, III & V Semesters

- Program: I B.Sc.      Course: Physics  
Theory: Mechanics and Properties of Matter  
Practical: Mechanics Lab
- Program: I M.Sc.      Course: Physics  
Theory: Classical Mechanics  
Practical: Electronics Lab

2018-19  
II, IV & VI Semesters

- Program: III B.Sc.      Course: Physics  
Theory: Applications of Nanomaterials & Devices  
Study project: Green Synthesis of Metal and Metal Oxide Nanoparticles
- Program: II M.Sc.      Course: Physics  
Theory: Advanced Quantum Mechanics  
Practical: Solid State Physics Lab

2019-20  
I, III & V Semesters

- Program: III B.Sc.      Course: Electronics  
Theory: Embedded Systems  
Practical: Microcontroller Lab
- Program: II M.Sc.      Course: Physics  
Theory: Digital Electronics and Microprocessors  
Practical: Digital Electronics and Microprocessors Lab

2019-20  
II, IV & VI Semesters

- Program: I B.Sc.      Course: REM  
Theory: Thermodynamics and Heat Transfer  
Practical: Thermodynamics and Heat Transfer Lab
- Program: II M.Sc.      Course: Physics  
Theory: Advanced Quantum Mechanics  
Practical: Electronics Lab

2020-21  
I, III & V Semesters

- Program: III B.Sc.      Course: Electronics  
Theory: Microprocessor (8085) and Interfacing Peripherals  
Practical: 8085 MP Lab
- Program: I B.Voc.      Course: REM  
Theory: Photovoltaic Module Installation  
Certificate Course: Household Electrical Wiring

			<p style="text-align: center;"><b>2020-21</b> <b>II, IV &amp; VI Semesters</b></p> <ul style="list-style-type: none"> <li>▪ <u>Program:</u> III B.Sc.                      <u>Course:</u> Physics <u>Theory:</u> Electricity, Magnetism and Electronics <u>Practical:</u> 1. Modern Physics Lab 2. Electricity, Magnetism and Electronics Lab</li> <li>▪ <u>Program:</u> I B.Voc.                      <u>Course:</u> REM <u>Theory:</u> Photovoltaic Module Installation</li> </ul>
			<p style="text-align: center;"><b>2021-22</b> <b>I, III &amp; V Semesters</b></p> <ul style="list-style-type: none"> <li>▪ <u>Program:</u> I M.Sc.                      <u>Course:</u> Physics <u>Theory:</u> Classical Mechanics <u>Practical:</u> Electronics Lab</li> <li>▪ <u>Program:</u> II M.Sc.                      <u>Course:</u> Physics <u>Theory:</u> Research Aptitude and Data Analysis <u>Practical:</u> Digital Electronics and Microprocessors Lab</li> <li>▪ <u>Certificate Course:</u> Household Electrical Wiring</li> </ul>
			<p style="text-align: center;"><b>2021-22</b> <b>II, IV &amp; VI Semesters</b></p> <ul style="list-style-type: none"> <li>▪ <u>Program:</u> III B.Sc.                      <u>Course:</u> Physics <u>Theory:</u> Material Science <u>Practical:</u> Material Science Lab</li> <li>▪ <u>Program:</u> III B.Sc.                      <u>Course:</u> Physics <u>Theory:</u> Fundamentals of Nano Science <u>Practical:</u> Renewable Energy Lab</li> </ul>
2022~ 23 (1 Year)	P.G.	The following courses are taught to the students	Government College Chodavaram, Anakapalle District, A.P.
			<p style="text-align: center;"><b>I SEMESTER</b></p> <p><u>Program:</u> I M.Sc.                      <u>Course:</u> Physics <u>Theory:</u> 1. Classical Mechanics 2. Quantum Mechanics 3. Mathematical Methods of Physics 4. Electronic Devices and Circuits <u>Practical:</u> 1. Electronics Lab ~1 2. Modern Physics Lab – 1</p>
			<p style="text-align: center;"><b>II SEMESTER</b></p> <p><u>Program:</u> I M.Sc.                      <u>Course:</u> Physics <u>Theory:</u> 1. Electro-dynamics 2. Statistical Mechanics 3. Atomic and Molecular Physics 4. Nuclear and Particle Physics</p>

**Practical:**

1. Electronics Lab ~2
2. Modern Physics Lab – 2

**III SEMESTER**

**Program:** II M.Sc.

**Course:** Physics

**Theory:**

1. Solid State Physics
2. LASERs and Fiber Optics
3. Digital Electronics and Microprocessors
4. Material Science

**Practical:**

1. Digital Electronics and Microprocessors Lab
2. Solid State Physics Lab

**WORKSHOPS /  
SEMINARS /  
CONFERENCES  
/COLLOQUIUMS /  
WEBINARS  
ATTENDED**

S. No.	Title	Type	Date	Level
1.	"Wealth from Waste"	Student Colloquium	19 Dec 2017	State Level
2.	"Biomass to Bio-energy"	Workshop	20 Dec 2017	National Level
3.	"Renewable Energy Education & Research - RE <sup>2</sup> "	Conference	8-10 Feb 2018	International Level
4.	"Intellectual Property Rights"	Seminar	21 April 2018	National Level
5.	"New Paradigms in Quality Measures of HEIs"	Workshop	24 Mar 2018	National Level
6.	"Recent Advances in Clean Energies - RACE"	Seminar	27 Dec 2018	State Level
7.	"Capacity Building for Teachers on Digital Initiatives"	Workshop	11 Jan 2019	State Level
8.	"Cancer Imaging & Drug Delivery"	Awareness and Education Program	4 Feb 2019	National Level
9.	"SCIENCE FIESTA"	Multidisciplinary Student Colloquium	3-4 Feb 2020	National Level
10.	"ROLE OF ICT IN SMART TEACHING AND SCIENTIFIC WRITING"	Webinar	2 May 2020	National Level

	11.	“LIGHT FOR LIFE”	Online Student Colloquium	16 – 17 May 2020	National Level
	12.	“The Facets of Start-Ups”	Webinar	8 Aug 2020	National Level
	13.	“Exploring the Research Innovation in Sciences with Hands on Experience – 2022”	7 – Day Training Program	20 – 26 June 2022	State Level
<u>ACTED AS PAPER SETTER</u>		Set question papers for the following courses of relevant programs			
		<ul style="list-style-type: none"> <li>✓ B.Sc. Physics</li> <li>✓ B.Sc. Electronics</li> <li>✓ B.Sc. Renewable Energy Management</li> <li>✓ M.Sc. Physics</li> </ul>			
<u>FIELD TRIPS / NATIONAL EVENTS / INVITED LECTURES</u>		<ul style="list-style-type: none"> <li>✓ Engaged students in the field trips to ‘TWILITE’ at Rampachodavaram and ‘BIO MASS PLANT’ at Sri Prakash Institutions near Tuni.</li> <li>✓ Engaged students in the celebrations of NATIONAL SCIENCE DAY and NATIONAL TECHNOLOGY DAY and Competitions conducted at that time.</li> <li>✓ Engaged students in the participation of INVITED LECTURES.</li> </ul>			

**DECLARATION:**

I hereby declare that the above information provided by me is correct and true to the best of my knowledge.

Yours faithfully,



[M. VARA LAKSHMI]