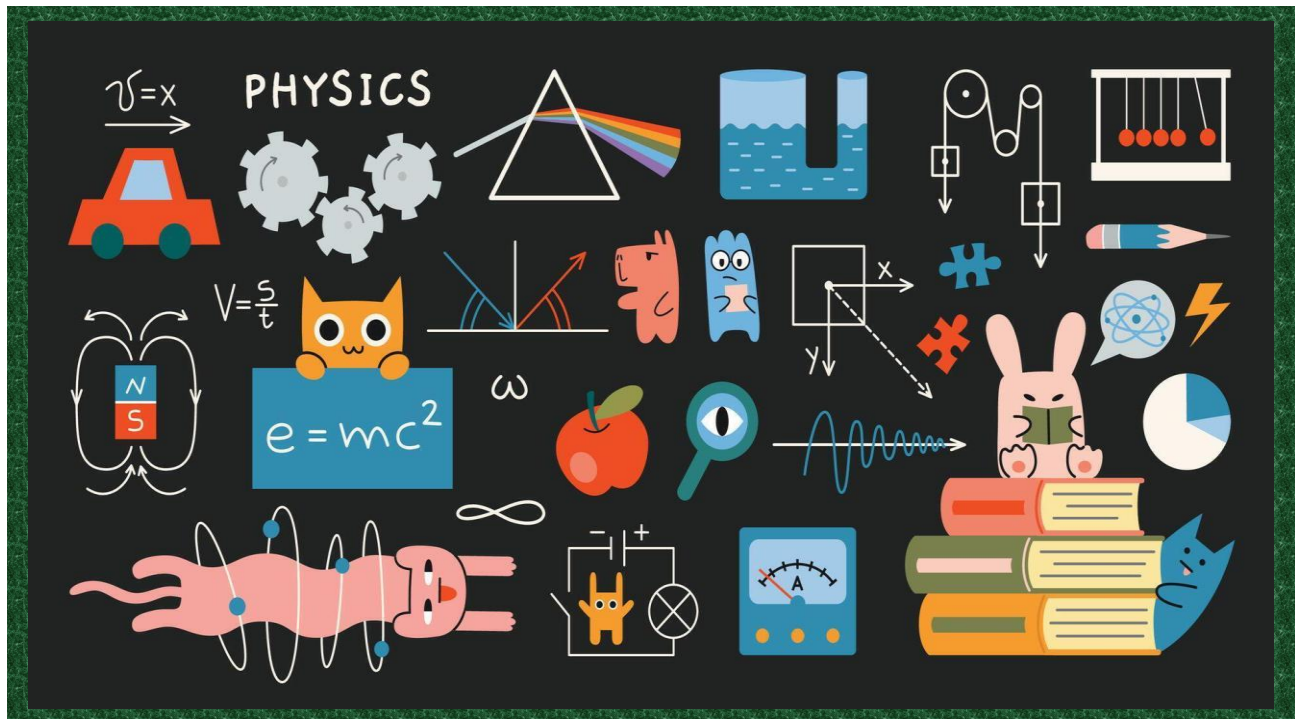




*B.T. Govt., Degree College:: Madanapalle*

*Department of physics*

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*Physics is the study of relationship between energy and matter of the Universe. It helps mankind understand everything in the Universe from galaxies to quarks. Study of physics has contributed for harnessing different forms of energy available in nature by humans. Example: Electricity, Electronics, Solar and Wind energies etc.,.*



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The **Department of Physics** was established in the year **1958**. Physics was introduced in the year 1958 as the core subject in Mathematics, Chemistry combinations. Later in 1989 another group namely B.Sc., MPCs (Mathematics, Physics, and Computer Science) also started and M.Sc., Physics started in 2012 with Electronics an affiliation to the Sri Venkateswara University, Tirupati. The Department offers **B.Sc., (H) Physics** programme with a total intake of 20 students respectively.

The course provides a strong foundation in the principles of Physics with specialization in Electronics. The elective courses offered are Elements of Nano science and Nanotechnology, Physics of Non-conventional Energy Resources, Modern physics, Optics, Experimental Techniques, Biomedical Instrumentation, Thermal Radiation Physics, Nuclear Physics Analog and Digital Electronics and Electronic Devices and Circuits. In the year 2012, the Department has been upgraded as a research Department with the introduction of M.Sc., (Physics) programme.



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#### **Facilities in the Department of Physics**

<b>Laboratory Facilities</b> (Three Physics Laboratories)	<b>General Physics Lab</b> (71 ft X18 ft)	Availability 50 different experimental apparatus
	<b>Electronics and Communication Lab</b> (52 ft X20 ft)	25 Electronics and communication Kits
	<b>Advanced Physics Lab &amp; Dark Room (58X20)</b>	15 Modern physics apparatus and kits are available
<b>Infrastructure &amp; Furniture</b>	<b>Well equipped furniture</b>  <b>Department Library :</b>	Laboratories are well equipped  Some reference books are available for students and staff.
<b>Research facilities</b>	<b>Magnetic stirrer</b> <b>Hot air Oven</b> <b>Weighing Machine</b>	Adequate research facilities for synthesis of nanoparticles and polymers.
<b>Other facilities</b>	Computers with Internet Facility.	



## *B.T. Govt., Degree College:: Madanapalle*

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#### **Prominent Alumni**

<i>S. No.</i>	<i>Name</i>	<i>Positions Held</i>
<i>1</i>	<i>J. Lakshmana Rao</i>	<i>Professor in Physics Principal (Rtd.) S.V U Colleges of Science</i>
<i>2</i>	<i>S. Uttanna</i>	<i>Professor in Physics(Rtd.) Dept. of Physics S.V U Colleges of Science</i>
<i>3</i>	<i>M. Krishnaiah</i>	<i>Professor in Physics(Rtd.) Dept. of Physics, S.V U</i>
<i>4</i>	<i>R. Rajaopal Reddy</i>	<i>Professor in Physics Dept. of Physics, S.V U</i>
<i>5</i>	<i>L. Ramamurthy</i>	<i>Professor in Physics (Rtd.) Dept. of Physics, S.V U</i>
<i>6</i>	<i>O.M. Hussian</i>	<i>Professor in Physics</i>

		<i>H.O.D, Dept. of Physics, S.V U</i>
7	<i>K. Krisna Reddy</i>	<i>Professor in Physics Dept. of Physics, YVU</i>
8	<i>I . Sreekumar</i>	<i>Lecturer in Physics (Rtd.) Dept. of Physics, B.T College</i>
9	<i>Dr. V. K. Sabapathy</i>	<i>Lecturer in Physics (Rtd.) Dept. of Physics, B.T College</i>
10	<i>Dr.B.V. RamanaChari</i>	<i>Lecturer in Physics (Rtd.) Dept. of Physics, B.T College</i>
11	<i>S. Ramana Reddy</i>	<i>Sr. Scientist ,SHAR</i>
	<i>Dr. S. Sreedhar</i>	<i>Post Doctoral fellow Southkorea</i>
13	<i>Dr. B. Purusotham Reddy</i>	<i>Post Doctoral fellow South Korea</i>
14	<i>V. Naresh</i>	<i>CSIR Qualified</i>
15	<i>Ayesha</i>	<i>CSIR Qualified</i>
16	<i>Pavan kumar</i>	<i>ISRO- scientist</i>
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***DEPARTMENTAL FUTURE PLANES:***

- ✓ *Organize Courses with the help of CCE Government of Andhrapradesh and S.V. University for Physics Students.*
- ✓ *Encourage students to do more research-oriented works Organize activities like, Value Added course, Certificate Course for Physics Studies.*
- ✓ *Organize International & National Webinars, Conferences, and Workshops for increasing Research interest among the students.*
- ✓ *Organize Physics with IT related courses and development of different types of soft skills for placement.*