

**MANGAYARKARASI COLLEGE OF ARTS AND SCIENCE FOR WOMEN  
PARAVAI, MADURAI  
SYLLABUS**

**DEPARTMENT OF PHYSICS**

**REVISED SYLLABUS FOR B.Sc., (Physics) under CBCS**

**I SEMESTER**

<b>S.No.</b>	<b>SUB CODE</b>	<b>SUB NAME</b>	<b>THEORY Hrs</b>	<b>LAB Hrs</b>
1.		Tamil	6	-
2.		English	6	-
3.		Core Subject I –Mechanics & Relativity	4	-
4.		SB 1-Properties of Matter	2	-
5.		SB 2 –C Programming -I	2	-
6.		NME1 Business Administration	2	-
7.		Allied Paper Maths - 1	4	-
				-
<b>II SEMESTER</b>				
<b>S.No.</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Theory Hrs.</b>	<b>Lab.H rs.</b>
1.		Tamil	6	-
2.		English	6	-
3.		CS2-Electricity	4	-
4.		Physics Practical - I		2
5.		SB3-Thermal Physics	2	-
6.		SB4- C Programming - II	2	-
7.		Allied Paper Maths - 2	4	-
8.		Allied Paper Maths -3	2	-

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<b>9.</b>		<b>NME 2-Entrepreneurshio Development</b>	<b>2</b>	<b>-</b>
<b>III SEMESTER</b>				
<b>S.No.</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Theory Hrs.</b>	<b>Lab Hrs.</b>
<b>1.</b>		<b>Tamil</b>	<b>6</b>	<b>-</b>
<b>2.</b>		<b>Engllish</b>	<b>6</b>	<b>-</b>
<b>3.</b>		<b>CS3-Electro Magnetism</b>	<b>4</b>	<b>-</b>
<b>4.</b>		<b>Allied Paper – Maths 3</b>	<b>4</b>	<b>-</b>
<b>5.</b>		<b>Allied Paper – Applied Electronics 1</b>	<b>4</b>	<b>-</b>
<b>IV SEMESTER</b>				
<b>S.No.</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Theory Hrs.</b>	<b>Lab Hrs.</b>
<b>1.</b>		<b>Tamil</b>	<b>6</b>	<b>-</b>
<b>2.</b>		<b>English</b>	<b>6</b>	<b>-</b>
<b>3.</b>		<b>CS4- Optics and Spectroscopy</b>	<b>4</b>	<b>-</b>
<b>4.</b>		<b>Physics Practical - 2</b>	<b>-</b>	<b>2</b>
<b>5.</b>		<b>Allied Paper Maths - 4</b>	<b>4</b>	<b>-</b>
<b>6.</b>		<b>Allied Paper – Applied Electronics 2</b>	<b>4</b>	<b>-</b>
<b>V SEMESTER</b>				
<b>S.No.</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Theory Hrs.</b>	<b>Lab Hrs.</b>
<b>1.</b>		<b>CS5- Atomic Physics and Quantum Mechanics</b>	<b>4</b>	<b>-</b>
<b>2.</b>		<b>CS6- Nuclear Physics</b>	<b>4</b>	<b>-</b>

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3.		<b>CS7 – Analog Electronics</b>	<b>4</b>	<b>-</b>
4.		<b>Allied Paper- Appled Electronics 3</b>	<b>4</b>	<b>-</b>
5.		<b>SB – 5 Bio –Medical Instrumentation</b>	<b>2</b>	<b>-</b>
6.		<b>Environmental Studies</b>	<b>2</b>	<b>-</b>
<b>VI SEMESTER</b>				
<b>S.No.</b>	<b>Subject Code</b>	<b>Subject</b>	<b>Theory Hrs.</b>	<b>Lab Hrs.</b>
1.		<b>CS8-Classical and Statistical Mechanics</b>	<b>4</b>	<b>-</b>
2.		<b>CS9-Material Science</b>	<b>4</b>	<b>-</b>
3.		<b>CS10-Digital Electronics</b>	<b>4</b>	<b>-</b>
4.		<b>Physics Practical-3,4,&amp;5</b>	<b>2+3+3</b>	<b>-</b>
5.		<b>Allied/Applied Electronics - 4</b>	<b>4</b>	<b>-</b>
6.		<b>SB-6 Opto Electronics</b>	<b>2</b>	<b>-</b>
7.		<b>Value Education</b>	<b>2</b>	<b>-</b>
8.		<b>Extension Activities</b>	<b>0</b>	<b>-</b>