



## SRI VENKATESHWARA GOVERNMENT ARTS & SCIENCE COLLEGE, PALEM

### YOUTUBE CLASSES BY S. VIDYA RANI, ASST. PROF. OF PHYSICS

S.NO.	TOPIC	YOUTUBE LINK	VIDEO DURATION
1	I YEAR: NEWTONS LAWS	<a href="https://youtu.be/CGjHTHlic1E">https://youtu.be/CGjHTHlic1E</a>	25 MIN
2	I YEAR: VECTORS PART-1	<a href="https://youtu.be/-9QJYD953Jw">https://youtu.be/-9QJYD953Jw</a>	59 MIN
3	I YEAR: VECTORS PART-2	<a href="https://youtu.be/iIJ6VIZRMHQ">https://youtu.be/iIJ6VIZRMHQ</a>	53 MIN
4	I YEAR: VECTOR OPERATORS & TYPES OF INTEGRALS	<a href="https://youtu.be/jOryO8jNDZk">https://youtu.be/jOryO8jNDZk</a>	38 MIN
5	I YEAR: STOKES'S AND GAUSS DIVERGENCE THOEREM	<a href="https://youtu.be/kfe_7kwR1lM">https://youtu.be/kfe_7kwR1lM</a>	29 MIN
6	I YEAR: GREEN'S THEOREM, LAPLACIAN OPERATOR, PROBLEMS PART-1	<a href="https://youtu.be/ltWRxYCcpxc">https://youtu.be/ltWRxYCcpxc</a>	36 MIN
7	I YEAR: VECTOR ANALYSIS PROBLEMS PART-2	<a href="https://youtu.be/4RjX3H5m49Y">https://youtu.be/4RjX3H5m49Y</a>	26 MIN
8	I YEAR: EQN. OF MOTION OF VARIABLE MASS SYSTEM & MOTION OF ROCKET	<a href="https://youtu.be/8xZJfs5kJtY">https://youtu.be/8xZJfs5kJtY</a>	45 MIN
9	I YEAR: TYPES OF ENERGY, WORK-ENERGY THEOREM	<a href="https://youtu.be/NU3dzKWrgw">https://youtu.be/NU3dzKWrgw</a>	46 MIN
10	I YEAR: CONSERVATION LAWS: MASS, ENERGY, LINEAR MOMENTUM	<a href="https://youtu.be/POp7DXOD77M">https://youtu.be/POp7DXOD77M</a>	62 MIN

11	I YEAR: LAW OF CONSERVATION OF ANGULAR MOMENTUM	<a href="https://youtu.be/wUf44MAAf70">https://youtu.be/wUf44MAAf70</a>	48 MIN
12	I YEAR: PROOF OF CONSERVATION OF LINEAR AND ANGULAR MOMENTUM	<a href="https://youtu.be/T_rrgN88sqk">https://youtu.be/T_rrgN88sqk</a>	61 MIN
13	I YEAR: ONE DIMENSIONAL ELASTIC & INELASTIC COLLISION, TWO DIMENSIONAL COLLISION	<a href="https://youtu.be/qu9VxJVx-t8">https://youtu.be/qu9VxJVx-t8</a>	62 MIN
14	I YEAR: 2 DIMENSIONAL ELASTIC OBLIQUE COLLISION	<a href="https://youtu.be/lgQVxCA2fuc">https://youtu.be/lgQVxCA2fuc</a>	30 MIN
15	I YEAR: RUTHERFORD ALPHA SCATTERING EXPERIMENT	<a href="https://youtu.be/nG4Eli0xi4E">https://youtu.be/nG4Eli0xi4E</a>	33 MIN
16	I YEAR: COLLISION-PROBLEMS	<a href="https://youtu.be/P7b2MEHm4nM">https://youtu.be/P7b2MEHm4nM</a>	35 MIN
17	I YEAR: MECHANICS OF RIGID BODY	<a href="https://youtu.be/9b_rk3J7ue8">https://youtu.be/9b_rk3J7ue8</a>	27 MIN
18	I YEAR: ANGULAR MOMENTUM & INERTIA TENSOR	<a href="https://youtu.be/N5TQzLp_Yd4">https://youtu.be/N5TQzLp_Yd4</a>	30 MIN
19	I YEAR: PRECESSION OF SPINNING TOP	<a href="https://youtu.be/VqCDMogLY0A">https://youtu.be/VqCDMogLY0A</a>	24 MIN
20	I YEAR: GYROSCOPE	<a href="https://youtu.be/D8f2OI-U9Ok">https://youtu.be/D8f2OI-U9Ok</a>	21 MIN
21	I YEAR: CENTRAL FORCES	<a href="https://youtu.be/ueQ5QPg6hkE">https://youtu.be/ueQ5QPg6hkE</a>	35 MIN
22	I YEAR:CENTRAL FORCES-PROPERTIES	<a href="https://youtu.be/aw6Ea6rSj4k">https://youtu.be/aw6Ea6rSj4k</a>	33 MIN
23	I YEAR: CONSERVATIVE FORCE- POTENTIAL ENERGY	<a href="https://youtu.be/rww9JdRvOVI">https://youtu.be/rww9JdRvOVI</a>	44 MIN
24	I YEAR: KEPLER'S LAWS OF PLANETARY MOTION	<a href="https://youtu.be/IJAL6ORZjvk">https://youtu.be/IJAL6ORZjvk</a>	27 MIN
25	I YEAR: INTRODUCTION TO GRAVITY & ORBITS	<a href="https://youtu.be/hiM3S1-Eyk4">https://youtu.be/hiM3S1-Eyk4</a>	56 MIN
26	I YEAR: NEWTON'S UNIVERSAL LAW OF GRAVITATION & GRAVITATIONAL FIELDS	<a href="https://youtu.be/g6b82uog7cl">https://youtu.be/g6b82uog7cl</a>	47 MIN
27	I YEAR: TERMS TO KNOW ABOUT SATELLITE ORBITAL MOTION	<a href="https://youtu.be/hyIVNEB6ig4">https://youtu.be/hyIVNEB6ig4</a>	56 MIN
28	I YEAR: SATELLITES	<a href="https://youtu.be/OCbUj2uUxNQ">https://youtu.be/OCbUj2uUxNQ</a>	50 MIN
29	I YEAR: CENTRIPETAL & CENTRIFUGAL FORCES	<a href="https://youtu.be/4hviziTm-Wo">https://youtu.be/4hviziTm-Wo</a>	34 MIN
30	I YEAR: CORIOLIS FORCE	<a href="https://youtu.be/BaWdElwVLLA">https://youtu.be/BaWdElwVLLA</a>	34 MIN