

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeswar

Study Materials

Department of Physics

B.Sc.I Semester I

Sr. No.	Syllabus	Teaching Material Link	Format
1	particle Accelerators	https://youtube.com/watch?v=OjfpN68EF_Y8	Video
2	Moment of Inertia of Flywheel	https://youtube.com/watch?v=nFO8J5K3-ng8	Video
3	Kinematics of Moving Fluids	https://youtube.com/watch?v=2bWVU7VPPa	Video
4	Surface Tension	https://youtube.com/watch?v=2bWVU7VPPa	Video
5	Mechanical Properties of Fluids Part 3	https://youtube.com/watch?v=46GXGIQYszl8	Video
6	Elasticity	https://drive.google.com/file/d/1PVUhDxbkkU	PDF
7	Superposition of S.H.Ms	https://drive.google.com/file/d/1rCQLWOvbkl	PDF
8	Ecentricity	https://youtu.be/J1ZYAE0pQAs	Video
9	Keplers First Law	https://youtu.be/Sip-Zn8QsY	Video
10	Kepler's second law	https://youtu.be/htk7abll_i4	Video
11	Kepler's Third Law	https://youtu.be/HHUqbok6hJs	Video

Credit

Dr. Anant S. Wadatkar

Dr. Anant S. Wadatkar

Dr. Anant S. Wadatkar

Dr. Anant S. Wadatkar

Dr. Anant S. Wadatkar

Dr. Prashant B. Kharat

Dr. Prashant B. Kharat

Prof. Ajay V. Ambhore

Prof. Ajay V. Ambhore

Prof. Ajay V. Ambhore

Prof. Ajay V. Ambhore

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandesw

Study Materials

Department of Physics

B.Sc.I Semester II

Sr. No.	Syllabus	Teaching Material Link
1	Elasticity	https://youtube.com/watch?v=OjfPN68EF_Y&t
2	Angular SHM	https://youtube.com/watch?v=SziOWEg03bs&
3	Kirchhoff's Voltage Law (KVL)	https://docs.google.com/presentation/d/1hcIOC
4	Network Theorems	https://docs.google.com/presentation/d/1IAmA
5	Ideal Gas	https://drive.google.com/file/d/1gUaqES5L6Rk

7ar

Format	Credit
Video	Dr. Anant S. Wadtkar
Video	Dr. Anant S. Wadtkar
PPT	Dr. Prashant B. Kharat
PPT	Dr. Prashant B. Kharat
PDF	Prof. Ajay V. Ambhore

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeswar

Study Materials

Department of Physics

B.Sc.II Semester III

Sr. No.	Syllabus	Teaching Material Link
1	Special Theory of Relativity	https://youtube.com/watch?v=EOsH7t-1vPs&fea
2	Introduction to BJT	https://docs.google.com/presentation/d/1QN2Of0
3	Physics of semiconductors	https://docs.google.com/presentation/d/11NmpR
4	Electrostatics	https://youtu.be/5YTk3kKZHdQ
5	Biot Savart's Law	https://youtu.be/DUPxVFIOV1k
6	Lorentz Force Equation	https://youtu.be/tbDJgjoyeCo
7	Magnetic Induction B	https://youtu.be/lrvxt2cN4JE
8	Electric Flux	https://youtu.be/ohdZ1vVhqX4

ar

Format	Credit
Video	Dr. Anant S. Wadkar
PPT	Dr. Prashant B. Kharat
PPT	Dr. Prashant B. Kharat
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandes

Study Materials

Department of Physics

B.Sc.II Semester IV

Sr. No.	Syllabus	Teaching Material Link
1	Heat Radiations	https://youtube.com/watch?v=3cE-VsIDKC
2	Fiber Optics	https://docs.google.com/presentation/d/1O
3	Renewable Energy Sources	https://docs.google.com/presentation/d/1Q
4	Magnetostatics	https://youtu.be/rzJTiiMLH_Q
5	Acceleration	https://youtu.be/m2JPOWpwp2Q
6	Magnetic Induction due to long straight conducting wire	https://youtu.be/KHb22eNkQ58

swar

Format	Credit
Video	Dr. Anant S. Wadatkar
PPT	Dr. Prashant B. Kharat
PPT	Dr. Prashant B. Kharat
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khand

Study Materials

Department of Physics

B.Sc.III Semester V

Sr. No.	Syllabus	Teaching Material Link
1	Magnetism	https://youtube.com/watch?v=7I1DpNjixl
2	Atomic and molecular Spectroscopy	https://youtube.com/watch?v=ATrVL1700
3	Feedback in amplifiers	https://docs.google.com/presentation/d/1
4	Hybrid parameters- low frequency equivalent of CE amplifier & its analysis.	https://drive.google.com/file/d/1jIF7_Qzit
5	de Broglie Equation	https://youtu.be/bY-b9VbvXrU
6	Wave particle Duality	https://youtu.be/E4XeTfdzwOE
7	Einstein's Photoelectric Equation	https://youtu.be/wWGV_937cX0
8	Photoelectric Effect	https://youtu.be/nZ6n5bD1Njk

leswar

Format	Credit
Video	Dr. Anant S. Wadatkar
Video	Dr. Anant S. Wadatkar
PPT	Dr. Prashant B. Kharat
PPT	Dr. Prashant B. Kharat
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore

Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandes

Study Materials

Department of Physics

B.Sc.III Semester VI

Sr. No.	Syllabus	Teaching Material Link
1	Superconductivity	https://youtube.com/watch?v=Xd_rfkTYrEY&featur
2	Crystallography Solids	https://docs.google.com/presentation/d/13xpjyPLq
3	Electrical Properties of Materials	https://docs.google.com/presentation/d/1U4vUzxia
4	Fermi Energy	https://classroom.google.com/c/MTE4OTU0MjkwV
5	Most probable velocity	https://classroom.google.com/c/MTE4OTU0MjkwV

war

Format	Credit
Video	Dr. Anant S. Wadatkar
PPT	Dr. Prashant B. Kharat
PPT	Dr. Prashant B. Kharat
Video	Prof. Ajay V. Ambhore
Video	Prof. Ajay V. Ambhore