	Dr D Y Patil Pratishthan's **Dr. D.Y. Patil Institute of Engineering, Management and Research, Akurdi, Pune**	
Academic Year: 2022-23	**CO-PO-PSO Mapping Sheet**	
Term – I / II	**Department: First Year Engineering Physics**	**Date of Preparation : 15/9/2022**

Pattern 2019

Course Name : 8Engineering Physics

Course Code: EP C107002

Course Coordinators Name: Dr V B Patil
& Mr Dinesh Turkar

Course Objective		
Sr No	**Code**	**Statement**
1	**C107002**	To teach students basic concepts and principles of physics, relate them to laboratory experiments and their applications

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Course Outcomes: On completion of the course, learner will be able to:

Course Outcome		
Sr No	**Code**	**Statement**
1	**C102.1**	Develop an understanding of interference, diffraction and polarization; connect it to engineering applications
2	**C102.2**	Analyze different types of lasers and optical fibers and their applications.
3	**C102.3**	Describe concepts and principles in quantum mechanics and relate them to in working of tunnel diode and scanning tunneling microscope. applications.
4	**C102.4**	Evaluate theory of semiconductors and their applications in semiconductor devices.
5	**C102.5**	Relate basics of magnetism and superconductivity to magnetic and technological applications like transformer, magnetic data storage, superconducting quantum interface devices (SQUIDs),
6	**C102.6**	comprehend use of concept of physics -for non destructive testing and learn properties of manner nano material with their application

CO-PO Mappings

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2										1			
CO2	3	2										1			
CO3	3	2										1			
CO4	3	2										1			
CO5	3	2										1			
CO6	3	2										1			

Note – Enter the correlation levels as 1 – Low, 2 – Medium, 3 - High
If there is no correlation, put "-''

Dr V B Patil & Mr Dinesh Turkar — Course coordinators
Dr V B Patil — Module Coordinator
Mrs Sarika Satpute — NBA Coordinator
Mrs Kavita Joshi — Head of Department