

#### A) Scope of the Subject: -

Bhoom is the one of the taluka which belong in osmanabad distinct of Maharashtra State. It is rural, drought area; the area is socially, economically backward. In this area Vidya Vikas Mandal saw a seed of higher education with the intention and goal to educate the society for better tomorrow; this is a one kind of movement in this remote, isolated area where there is no source of education. With the starting of this college in Bhoom; the Physics Department established in the year 2004. The department has to face many challenges; the college is in rural area with rural background of the student; teaching Physics to those students is difficult process; another thing is creating interest for Physics learning is one more mile stone for the department.

The department found the scope in this critical situation; there is a scope to teach Physics to the rural student; to introduce student with global world; to give student confidence, to encourage students, to inspire students to learn Physics; there is a scope to introduce student with various opportunities etc. There is lot of scope to the department of Physics in this area.

### **B)** Importance of the Physics subject:

- Physics is an exciting intellectual adventure that inspires young people and expands the frontiers of our knowledge about nature.
- Physics generates fundamental knowledge needed for the future technological advances that will continue to drive the economic engines of the world.
- Physics is an important element in the education of chemists, engineers and computer scientists as well as practitioners of the other physical and biomedical sciences.
- Physics help us to understand the world around us, find quantitative Physical laws for everything, bring a broad perspective to any problem and satisfy our curiosity.
- Physics deals with the things like matter, force, energy and motion. All these are related to our daily tasks. Physics defines how everything around us works.

### D) Objectives of Physics Department:

- 1. Physics helps to develop the ability to think.
- 2. It helps explain how things work.
- 3. It helps to develop wisdom.
- 4. Physics an opportunity to develop and hone problems solvind skills, that is critical thinking in the true sense of the phrase.

- 5. Providing a solid grounding in the methods of scientific inquiry.
- 6. The Department of physics aspires to be a global center of excellence in physics research and education.
- 7. It is important in a constantly evolving world.
- 8. It provides the child with an opportunity to get to the world.
- **E) Introduction of the Department:**

Vidya Vikas Mandal Pathrud's Shankarrao Patil Mahavidyalaya, Bhoom is established in 1984.College is affiliated with Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. The Department of Physics is started in 2003; from that point the department was run by the temporary faculty; Generally, the students of the department are from rural background. The department offers Physics Subject to B.Sc. students. To meet the aims and objectives of the department; department has started certificate course. For slow learner's department conduct remedial coaching classes and to observe the improvement of the students, department have continuous evaluation process. To shoulder the responsibility of the society, the institute has mentorship system. Our department has 70 students for mentee. The Department avails personal counseling to student. Department always use new technology to update the students and try to connect the students globally.

F) Establishment of the Department:

The Department of Mathematics is established in 2003. The department offer undergraduate courses to B.Sc.

Sr.No.	University/ Board	Courses	The year of Establishment
1.		B.Sc.I	2004
2.	B.Scs. UG	B.Sc.II.	2004
3.		B.Sc.III	2006

Name of the courses run in the department (include certificate courses if any)

Name o	f course	Year of introduction
BSC FI	RST YEAR	
Semeste	r 1	
1)	Paper I- Mechanics, Properties of Matter and Sound	
2)	Paper II-Heat and Thermodynamics	
3)	Paper III-Practical	
Semeste	r 2	
1)	Paper IV-Geometrical and Physical optics	
2)	Paper V- Electricity and Magnetism	
3)	Paper VI- Practical	
BSC SE	COND YEAR	
Semeste	r 3	2013
1)	Paper VII- Mathematical, Statistical Physics and Relativity	
2)	Paper VIII- Modern and Nuclear Physics	
3)	Paper IX-Practical	
4)	Paper X- Practical	

Semeste	r 4	
1)	Paper XI- General Electronics	
2)	Paper XII- Solid state physics	
3)	Paper XIII-Practical	
4)	Paper XIV- Practical	
BSC TI	HRD YEAR	
Semeste	r 5	
1)	Paper XV- Classical & Quantum Mechanic	
2)	Paper XVI- Electrodynamics	
3)	Paper XVII-Practical	
4)	Paper XVIII- Practical	
Semeste	r 6	
1)	Paper XIX- Atomic, Molecular Physics & Laser	
2)	Paper XX- Non-conventional energy sources and Optical fiber	
3)	Paper XXI-Practical	
4)	Paper XXII- Practical	

# **G) Faculty of the Department:**

### 1) Teaching staff (Year wise 2017-18 to till date)

Sr. No	Name	Designation	Qualification	
1	GHULE P.L	ASST.PROF	M.Sc. B.Ed.	
2	UGHADE A.S	ASST.PROF	M.Sc. B.Ed.	
2) Teaching staff 2018 -2019				

Sr. No	Name	Designation	Qualification
1.	GHULE P.L	ASST.PROF	M.Sc. B.Ed.
2.	UGHADE A.S	ASST.PROF	M.Sc. B.Ed.

# 4) Teaching staff 2020-2021

Sr. No	Name	Designation	Qualification
1.	GHULE P.L	ASST.PROF	M.Sc. B.Ed.

### **5)** Teaching staff 2021-2022

Sr.No	Name	Designation	Qualification
1.	GHULE P.L	ASST.PROF	M.Sc.B.Ed.

# 6)Teaching Staff 2022-2023

Sr.No	Name	Designation	Qualification
1.	RATHOD RD.	ASST.PROF.	M.Sc.B.Ed. SET

# **Extra Co-curricular Activities**

