

Vidya Vikas Mandal Pathrud,s  
**Shankarrao Patil Mahavidyalaya Bhoom**  
Tq.Bhoom Dist Osmanabad (413504)  
(Affiliated to Dr.Babasaheb Ambedkar Marathwada University Aurangabad )  
Re-Accredited By NAAC 'B' Grade

---

**Course Outcome and Program Outcomes of Year 2024-25**

Sr.No	Subject
1.	Chemistry
2.	Botany
3.	Zoology
4.	Physics
5.	Mathematics
6.	Marathi
7.	Hindi
8.	English
9.	Political Science
10.	History
11.	Sociology
12.	Economics
13.	Commerce



*AS*  
**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

Vidya Vikas Mandal Pathrud's  
**SHANKARRAO PATIL MAHAVIDYALAYA, BHOOM DIST. DHARASHIV**  
 Department of Chemistry  
Course Outcome  
 First Year NEP (2024-2025)

Course Outcome	
<b>DSC-1: Fundamentals of Chemistry-1</b>	
CO 1	Write the electronic configurations of the elements.
CO 2	Understand the changes in periodic properties in modern periodic table
CO 3	Understand the different types of electron displacement in a molecule
CO 4	Differentiate between inductive, electromeric, resonance and mesomeric effects
CO 5	Understand the methods of formation, structure and properties of the intermediate
CO 6	Understand the basic concepts and different laws of thermodynamics and thermochemistry
CO 7	The concept of chemical equilibrium

<b>DSC-2 Lab Course-1</b>	
CO 1	To consistently follow established SOP'S for various chemical experiments.
CO 2	To prepare solution of desired concentration.
CO 3	To maintain accurate and thorough records of experimental data and analyze results to draw meaningful conclusions.
CO 4	To apply critical thinking skills to identify and address challenges that may arise during experiments showcasing the ability to troubleshoot and optimise procedures.
CO 5	To gain insights into how chemical lab practices are applied in professional research or industrial settings, preparing them for future careers in diverse scientific and industrial fields.
CO 6	Students will demonstrate ethical conduct in all aspects of laboratory work, emphasizing integrity, responsibility and professionalism.

<b>SEC-1A: Water Treatment &amp; Analysis</b>	
CO 1	Resources and properties of water.
CO 2	Understand the different pollutants



CO 3	Understand treatment of domestic and industrial water
CO 4	Understand the sources of water pollution
<b>SEC-2A Water Treatment &amp; Analysis</b>	
CO 1	Resources and properties of water.
CO 2	Understand the different pollutants
CO 3	Understand treatment of domestic and industrial water
CO 4	Understand the sources of water pollution
CO 5	Carry out experimental for determination of water quality parameters

<b>GE/OE-1: Herbal Chemistry</b>	
CO 1	Acquainted with importance of herbal drugs
CO 2	Know the different sources of herbal medicine and their preparation
CO 3	Acquire the knowledge of organic farming
CO 4	Know about the Indian system of drugs Ayurveda, Unani, siddha and homeopathy
CO 5	Know health benefits and role of nutraceuticals

<b>DSC-3: Fundamentals of Chemistry-2</b>	
CO 1	Identify the type of bond
CO 2	Predict the shape and geometry and bond angle in a molecule
CO 3	Understand the factors affecting ionic bond formation
CO 4	Identify types of isomerism
CO 5	Apply the CIP rules for nomenclature of stereo isomers
CO 6	Rate of reactions and factors affecting it
CO 7	Solve the numerical on order reactions

<b>DSC-4 : Lab Course-2</b>	
CO 1	Acquire skills in common techniques for the volumetric estimations of inorganic compound
CO 2	Acquire skills in common techniques preparation and purification of organic compounds
CO 3	Assess the effectiveness of purification techniques


CO 4	Develop precision in measuring and recording physical constants
CO 5	Analyse the relationship between melting /boiling points and purity
CO 6	Developed skills in recording and reporting experimental procedures and results
CO 7	Handle different apparatus like eudiometer, viscometer stalagmeter for determining physical properties

### **VSC-1B: Soaps and Detergents**

CO 1	Can gain the information about soaps, detergents and shampoos
CO 2	Can acquire knowledge of basic concepts and techniques of soap and detergent industry
CO 3	Get hands training of analysis of soaps and detergents
CO 4	Aware about environmental aspects of detergents
CO 5	Development skill for detergent, liquid soap and laundry soap making

### **VSC-2B : Lab Course ( Based on VSC-1B)**

CO 1	Can gain the information about soaps, detergents and shampoos
CO 2	Can acquire knowledge of basic concepts and techniques of soap and detergent industry
CO 3	Get hands training of analysis of soaps and detergents
CO 4	Aware about environmental aspects of detergents
CO 5	Development skill for detergent, liquid soap and laundry soap making

  
**I / C PRINCIPAL**  
**S.P.Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**



## **Department of Zoology**

### **DSC-1: Animal Diversity-I (Non-Chordata)**

#### **Course Outcomes (COs):**

After completion of the course, students will be able to -

- i Understand general organization of unicellular and multicellular animals.
- ii Recognize diversity and adaptation of invertebrate animals and significance.
- iii Acquire deep knowledge and importance of biodiversity conservation.
- iv Develop the capacity to investigate pathogenicity of micro and macro fauna.

### **DSC-2: Practicals Based on DSC-1 Animal Diversity-I (Non-Chordata)**

#### **Course Outcomes (COs):**

After completion of the course, students will be able to -

- i Understand systemic position, habit and habitat of invertebrate animals.
- ii Understand the pathogenicity and life cycle of parasite and vectors.
- iii Develop skills to recognize surrounding animals and their importance.

### **EC-1: Bee Keeping**

#### **Course Outcomes (COs):**

After completion of the course, students will be able to -

- i The learner will be able to differentiate in different types of honey bee castes.
- ii Learner will be able to use the artificial hive for beekeeping
- iii Learner will be able to use the technique of honey purification and processing.
- iv Learner will be able to construct the artificial honey hive and maintain it.
- V Learner if is not employed can find own employment by doing Bee keeping



Vidya Vikas Mandal Pathrud's

**SHANKARRAO PATIL MAHAVIDYALAYA, BHOOM DIST. DHARASHIV**

**Department of Chemistry**

**Programme Outcomes**

**First Year NEP (2024-2025)**

**Programme Outcomes**

<b>PO 1</b>		<b>The citizenship and society:</b> Apply broad understanding of ethical and professional skill in science subjects in the contacts of global, economic, environmental and societal realities while encompassing relevant contemporary issues.
<b>PO 2</b>		<b>Environment and sustainability:</b> Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.
<b>PO 3</b>		<b>Ethics:</b> Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.
<b>PO 4</b>		<b>Individual and teamwork:</b> Function effectively as a leader and as well as team member in diverse/ multi disciplinary environments.
<b>PO 5</b>		<b>Communication:</b> Communicate effectively on complex science subject related activities with the scientific community in particular and with the society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
<b>PO 6</b>		<b>Project management and finance:</b> Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.
<b>PO 7</b>		<b>Life-long learning:</b> Recognise the need for life long learning and have the ability to engage in independent and life long learning in the broadest context of technological change.



**SHANKARRAO PATIL MAHAVIDYALAYA, BHOOM, DHARASHIV**

**DEPARTMENT OF BOTANY**

**(PEOs, PSo, POs, Paper wise COs.)**

**PROGRAMME EDUCATIONAL OBJECTIVES (PEOS):**

Programme Educational Objectives (PEOs) for the Bachelor of Science Curriculum under the National Education Policy 2020:

1. **Mastery of Discipline-Specific Knowledge.** Graduates of the Bachelor of Science program will demonstrate a deep understanding of fundamental principles, theories, and methodologies in their chosen scientific discipline, enabling them to analyze complex problems, propose innovative solutions, and contribute to advancements in their field.
2. **Interdisciplinary Proficiency:** Graduates will possess the ability to integrate knowledge and skills from multiple scientific disciplines, fostering a holistic approach to problem-solving and innovation. They will be equipped to address multifaceted challenges by drawing upon diverse perspectives and methodologies.
3. **Critical Thinking and Analytical Skills:** Graduates will develop strong critical thinking abilities, enabling them to evaluate information rigorously, analyze data effectively, and make informed decisions based on evidence. They will demonstrate proficiency in applying logical reasoning and scientific methods to solve problems and generate new knowledge.
4. **Leadership and Innovation:** Graduates will demonstrate leadership qualities and entrepreneurial mind set, capable of initiating and driving positive change in their organizations and communities. They will exhibit creativity, resilience, and adaptability, harnessing innovation to address complex challenges and seize opportunities for growth and advancement.



*(Signature)*

**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

5. Global Citizenship and Cultural Sensitivity: Graduates will possess a global perspective and cultural sensitivity, recognizing the interconnectedness of diverse communities and the importance of collaboration across borders. They will engage in cross-cultural dialogue, embrace diversity, and contribute to the advancement of knowledge and understanding on a global scale.

These Programme Educational Objectives serve as guiding principles for the Bachelor of Science curriculum, reflecting our commitment to nurturing well-rounded graduates who are prepared to excel in their careers, contribute to society, and lead meaningful lives in a rapidly changing world.

### **PROGRAMME OUTCOMES (POS):**

The National Education Policy (NEP) 2020 for India emphasizes several key aspects for Bachelor of Science (B.Sc.) programs, aiming to produce graduates who are not only well-versed in their respective disciplines but also equipped with skills necessary for holistic development and employability. While specific program outcomes may vary between institutions and disciplines within B.Sc. programs, here are some common outcomes aligned with NEP 2020:

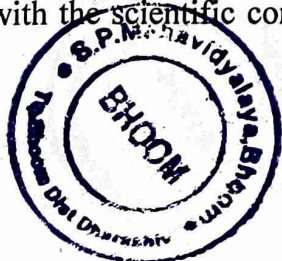
PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

PO2. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

PO3. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and team work: Function effectively as a leader and as well as team member in diverse/multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the society at large, such as, being able to



*Signature*

**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**



PSOS: Understanding properties and uses of plants to maintain health: The properties and uses of common medicinal plants, spices, Vegetables etc. will be explained to maintain the good health.

PSO6. Enriching knowledge related with Agriculture: Use of established knowledge regarding mannuaring, composting, use of Biofertilizers and ecofriendly Insecticides and pesticides for the sustainable development.

### **MORPHOLOGY OF ANGIOSPERMS**

Course outcome: On the successful completion of the course, student will be able to-

Describe morphological peculiarities of vegetative organs of angiosperms.

Describe morphological peculiarities of reproductive organs in angiosperms.

Know the diagnostic features of plant species

### **FUNGAL DISEASES OF CROP PLANTS AND THEIR MANAGEMENT**

Course Outcome: After learning this course, students will

- 1) Identify Fungal Diseases of Crop plants of the region
- 2) Treat the fungal diseases of the crop plants
- 3) Manage the crops in their agriculture field from fungal diseases

### **KITCHEN PHARMACY-1: SPICES**

Course outcome: On the successful completion of the course, student will be able to-

Learn skills regarding identification of various spices and condiments used in our region

To learn the techniques for estimation of phytochemicals of different spices and condiments.

Use the Spices as medicine in the common ailments.

### **GE/OE-1 SEED PRODUCTION AND PRESERVATION TECHNIQUE**

Course Outcome: After completion of this course, the students will:



*Raikwad*

**I / C PRINCIPAL**  
**S.P.Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

1. Insist on the quality Seed production
2. Increase the production of quality Seeds
3. Will know the best natural practices to store the seeds for longer periods

### **DIVERSITY OF CRYPTOGAMS-1**

Course Outcomes: After completion of the course, the learners would be able to:

Classify lichens, algae and fungi up to orders according to the system of classification proposed by G. M. Smith (1950), Alexopoulos & Mims (1979).

Classify and describe the morphology, structure, life cycle of some Lichens, algae, fungi and gymnosperms.

Exemplify lichens, algae and fungi of economic importance.

Identify common plant diseases and devise the suitable control measures.

### **BIOFERTILIZER TECHNIQUES**

Course outcome: On the successful completion of the course, student will be able to

Acquire the knowledge of biofertilizers techniques.

Learn laboratory skill, lab organization & nutritional importance of different biofertilizers.

Understand about the bio fertilizer techniques - isolation, identification, screening and cultivation, method and its economic.

### **ORGANIC COMPOSTING**

Course outcome: On the successful completion of the course, student will be able to-Acquire the knowledge of organic composting techniques.

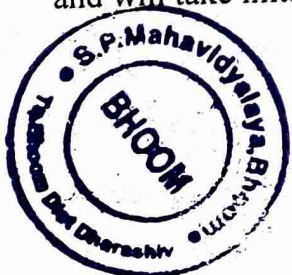
Learn laboratory skill, lab organization & nutritional importance of different organic composts.

Understand about the composting techniques and its economics.

### **POMOLOGY GE/OE**

Learning outcomes: After completing this course, the students will

- 1) Enrich the knowledge about horticultural principles and practices relevant to fruit cultivation and will take initiative to cultivate fruits



*(Signature)*

**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**



- 2) Will apply fundamental aspects of orchard operations and its management  
Will become expert in plant propagation techniques.

*As per*  
*Chakrawal*



*AS to*  
*6/9/20*  
**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

## **Department of Zoology**

### **DSC-1: Animal Diversity-I (Non-Chordata)**

#### **Course Outcomes (COs):**

After completion of the course, students will be able to -

- i Understand general organization of unicellular and multicellular animals.
- ii Recognize diversity and adaptation of invertebrate animals and significance.
- iii Acquire deep knowledge and importance of biodiversity conservation.
- iv Develop the capacity to investigate pathogenicity of micro and macro fauna.

### **DSC-2: Practicals Based on DSC-1 Animal Diversity-I (Non-Chordata)**

#### **Course Outcomes (COs):**

After completion of the course, students will be able to -

- i Understand systemic position, habit and habitat of invertebrate animals.
- ii Understand the pathogenicity and life cycle of parasite and vectors.
- iii Develop skills to recognize surrounding animals and their importance.

### **EC-1: Bee Keeping**

#### **Course Outcomes (COs):**

After completion of the course, students will be able to -

- i The learner will be able to differentiate in different types of honey bee castes.
- ii Learner will be able to use the artificial hive for beekeeping
- iii Learner will be able to use the technique of honey purification and processing.
- iv Learner will be able to construct the artificial honey hive and maintain it.
- V Learner if is not employed can find own employment by doing Bee keeping



vi Lerner can start own beekeeping equipment agency for farmers or beekeepers.

### **SEC-1: (Animal Microtechnique)**

**Course Outcomes (COs):** After completion of the course, students will be able to -

- i Understand the selection of nuclear and cytoplasmic stains.
- ii Understand the proper histological structure of animal tissue.
- iii Understand the different types of cell and learned physiological structure.
- iv The skill learner will get opportunities in the field of Health institutes, Hospitals and Pathological labs

### **SEC-2: Practicals Based on SEC-1 (Bee Keeping)**

**Course Outcomes (COs):** After completion of the course,

- i The learner will able to differentiate in different types of honey bee castes.
- ii Learner will be able to use the artificial hive for beekeeping
- iii Learner will be able to use the technique of honey purification and processing.
- iv Learner will be able to construct the artificial honey hive and maintain it.
- V Learner if is not employed can find own employment by doing Bee keeping
- vi Lerner can start own beekeeping equipment agency for farmers or beekeepers.

### **SEC-2: Practical based on SEC-1 (Animal Micro technique)**

**Course Outcomes (COs):** After completion of the course, students will be able to -

- i Understand the selection of nuclear and cytoplasmic stains.

- ii Understand the proper histological structure of animal tissue.
- iii Understand the different types of cell and learned physiological structure
- iv The skill learner will get opportunities in the field of Health institutes, Hospitals and Pathological labs.

### **GE/OE-1: Vectors, Diseases and Management**

**Course Outcomes (COs):** After completion of the course, students will be able to -

- i To develop awareness about the causative agents and control measures of many commonly vector borne diseases
- ii Recognize the symptoms and proper identification of vectors.
- iii Learn feeding mechanism and causing ideas.
- iv Understand the strategies for the management of vector borne diseases by Chemical, Biological and IPM.

### **DSC-3: Animal Diversity-II**

**Course Outcomes (COs):** On completion of the course, students will be able to,

- i. Understand general organization of vertebrate animals.
- ii. Recognize diversity, migration and adaptive radiation of vertebrate, animal.
- iii. Acquire deep knowledge and importance of biodiversity conservation.
- iv. Develop the capacity to understand biological importance and their conservation methods.

### **DSC-4: Practical Based on DSC-3 (Animal Diversity-II)**

**Course Outcomes (COs):** On completion of the course, students will be able to,



- i Understand systemic position, habit and habitat of vertebrate animals.
- ii Understand the adaptive features of fishes, birds.
- iii Understand the physiological and anatomical study of vertebrate animals.
- iv Develop skills to recognize biodiversity of animals and their importance.**

### **VSC-1: Poultry Farming**

**Course Outcomes (COs):** On completion of the course, students will be able to,

- i Understand the status of Indian Poultry Industry.
- ii Learn the Scientific Poultry farming.
- iii Applied diversified Poultry practices.
- iv Recognize the different breeds of chicken.

### **VSC-1: Aquarium Fish Keeping**

**Course Outcomes (COs):** On completion of the course, students will be able to,

- ii. Familiarize the fish breeding and fish food technology.
- iv. Understand the transportation techniques for fish market.

Explore the potential of aquarium fish industry.

Recognize the fish diseases for the management of fish keeping.

### **(Poultry Farming**

**Course Outcomes (COs):** On completion of the course, students will be able to,

- i. Understand the status of Indian Poultry Industry.

- ii. Learn the Scientific Poultry farming.
- iii. Applied diversified Poultry practices.
- iv Recognize the different breeds of chicken.

## **VSC-2: Practical Based on VSC-1 (Aquarium Fish Keeping)**

**Course Outcomes (COs):** On completion of the course, students will be able to,

- i. Explore the potential of aquarium fish industry.
- ii. Familiarize the fish breeding and fish food technology.
- iii. Recognize the fish diseases for the management of fish keeping.
- iv. Understand the transportation techniques for fish market.

## **GE/OE-2: Dairy Production Technology**

**Course Outcomes (COs):** On completion of the course, students will be able to.

- i Understand the pre-requisites for starting a Dairy farm.
- ii Recognize different breeds of Cows & buffaloes following safety precautions.
- iii Prepare and give recommended feed and water for livestock
- iv Maintain health of livestock along with productivity
- v Vaccination of cattle, nutrients requirements
- vi Entrepreneurship i.e., Effectively market dairy products
- vii Ensure safe and clean dairy farm and Standard safety measures to be taken in establishing an industry.
- viii Efficiently start and manage to establish or develop a Dairy Industry.





Vidya Vikas Madal Pathrud's  
**Shankarrao Patil Mahavidyalaya, Bhoom.**  
**Department of Physics**  
(PEOs, PSo, POs, Paper Wise Cos.)

**Programme Educational Objectives (PEOs):**

Programme Educational Objectives (PEOs) for the Bachelor of Science Curriculum under the National Education Policy 2020:

1. **Mastery of Discipline-Specific Knowledge:** Graduates of the Bachelor of Science program will demonstrate a deep understanding of fundamental principles, theories, and methodologies in their chosen scientific discipline, enabling them to analyze complex problems, propose innovative solutions, and contribute to advancements in their field.
2. **Interdisciplinary Proficiency:** Graduates will possess the ability to integrate knowledge and skills from multiple scientific disciplines, fostering a holistic approach to problem-solving and innovation. They will be equipped to address multifaceted challenges by drawing upon diverse perspectives and methodologies.
3. **Critical Thinking and Analytical Skills:** Graduates will develop strong critical thinking abilities, enabling them to evaluate information rigorously, analyze data effectively, and make informed decisions based on evidence. They will demonstrate proficiency in applying logical reasoning and scientific methods to solve problems and generate new knowledge.
4. **Leadership and Innovation:** Graduates will demonstrate leadership qualities and entrepreneurial mindset, capable of initiating and driving positive change in their organizations and communities. They will exhibit creativity, resilience, and adaptability, harnessing innovation to address complex challenges and seize opportunities for growth and advancement.
5. **Global Citizenship and Cultural Sensitivity:** Graduates will possess a global perspective and cultural sensitivity, recognizing the interconnectedness of diverse communities and the importance of collaboration across borders. They will engage in cross-cultural dialogue, embrace diversity, and contribute to the advancement of knowledge and understanding on a global scale.

These Programme Educational Objectives serve as guiding principles for the Bachelor of Science curriculum, reflecting our commitment to nurturing well-rounded graduates who are prepared to excel in their careers, contribute to society, and lead meaningful lives in a rapidly changing world.



## Programme Outcomes (POs):

The National Education Policy (NEP) 2020 for India emphasizes several key aspects for Bachelor of Science (B.Sc.) programs, aiming to produce graduates who are not only well-versed in their respective disciplines but also equipped with skills necessary for holistic development and employability. While specific program outcomes may vary between institutions and disciplines within B.Sc. programs, here are some common outcomes aligned with NEP 2020:

PO1. The citizenship and society: Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.

POL. Environment and sustainability: Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.

POJ. Ethics: Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.

PO4. Individual and teamwork: Function effectively as a leader and as well as team member in diverse/multidisciplinary environments.

PO5. Communication: Communicate effectively on complex science subject related activities with the scientific community in particular and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instruction

PO6. Project management and finance: Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.

PO7. Life-long learning Recognize the need for lifelong learning and have the ability to engage in independent and life-long learning in the broadest context of technological change.

These program outcomes align with the broader goals of NEP 2020 to transform higher education in India and prepare students for the challenges and opportunities of the 21st century, Board of Studies designing B.Sc. curricula are encouraged to incorporate these outcomes into their program objectives and learning outcomes.





### Programme Specific Outcomes (PSOs):

On completion of the 03/04 years Degree in B.Sc. (Physics) students will be able to:

PSO1: Domain knowledge: Graduates will have an in-depth comprehension of fundamental theories and principles across various domains of physics, encompassing classical

mechanics, electromagnetism, thermodynamics, quantum mechanics, nuclear and high-

energy physics, solid-state physics, materials science, electronics, and modern physics.

PSO2: Problem Analysis: Graduates will demonstrate adeptness in analysing complex physical problems, formulating hypotheses, and employing appropriate mathematical and computational techniques for solutions. They will understand the significance of equations, formulas, graphs, and mathematical tools. Furthermore, they will effectively utilize technology for experimental design and implementation, data analysis, numerical methods, and computational techniques in problem-solving.

PSO3: Design Development of solutions: Graduates will possess the capability to create and execute experimental setups, simulations, and theoretical models, effectively addressing scientific inquiries and resolving practical physics-related issues. They will have both fundamental and advanced-level expertise in physics, enabling them to proficiently utilize computational tools and scientific software.

PSO4: Conduct Investigation of complex problems: Graduates will exhibit proficiency in conducting investigations of intricate physics problems, which involves effectively utilizing established knowledge and methodologies to design experiments, meticulously analyzing resulting data to extract pertinent information, and accurately interpreting data to draw valid conclusions, thereby contributing to a deeper comprehension of the problem under scrutiny.

PSO5: Modern Tools: Graduates will demonstrate proficiency in employing modern experimental, computational, and data analysis tools and techniques prevalent in physics research and industrial settings. They will adeptly apply and cultivate skills in physics and engineering for industrial applications, production, and technology development and transfer. Furthermore, they will hone advanced analytical skills tailored for job requirements in industries, consultancies, educational institutions, research organizations, or public administration.

PSO6: Communication Skills: Graduates will effectively communicate scientific ideas, methodologies, and results through written reports, oral presentations, and scientific publications, facilitating collaboration and dissemination of knowledge within the scientific community.



## **Course Outcomes (COs):**

### **DSC-1: Mechanics and Properties of Matter**

Course Outcomes (COs): After completion of the course, students will be able to -

- i Understand Newton's laws of motion.
- ii Recognize different forces existing in nature and their physical significance.
- iii Acquire deep knowledge of physical quantities such as elasticity, viscosity, and surface tension.
- iv Develop the capacity to investigate and analyze daily problems related to mechanical Movement

### **DSC-2: Practicals Based on DSC-1 (Mechanics and Properties of Matter)**

Course Outcomes (COs): After completion of the course, students will be able to-

- i Understand gravitational acceleration through pendulum analysis and learn material stiffness and viscosity determination techniques using various setups.
- ii Explore rotational dynamics through flywheel experiments for moment of inertia and torsional property analysis.
- iii Develop instrument precision skills via least count analysis, crucial for physics and related field pursuits.

### **SEC-1: Basic Instrumentation Skill**

Course Outcomes (COs): After completion of the course, students will be able to-

- i Gain understanding of measurement fundamentals including instrument accuracy, precision, and errors, as well as principles of voltage, current, and resistance measurement using voltmeters, ammeters, and multimeters.
- ii Master the use of CRO for voltage (DC and AC), frequency, and time period measurements, and understand signal and pulse generator specifications, alongside distortion factor meter usage and wave analysis.
- iii Learn analog versus digital instrument distinctions, comprehend digital multimeter block diagrams and operations, and understand time interval, frequency, and period measurements using universal counters, emphasizing time-base stability, accuracy, and resolution.

### **SEC-1: Medical Physics**

Course Outcomes (COs): After completion of the course, students will be able to -

- i Understand the principles, applications, and usage of various medical equipment including thermometers, glucometers, ECG machines, and X-ray machines for diagnostic purposes in healthcare settings.
- ii Comprehending the principles and components of Computed Tomography (CT) systems, including image reconstruction, acquisition techniques, and factors influencing image quality.
- iii Develop a comprehensive understanding and proficiency in various image acquisition techniques, advanced imaging methods, safety protocols, and their applications in planning radiotherapy treatments.

### **SEC-2: Practicals Based on SEC-1 (Basic Instrumentation Skill)**

Course Outcomes (COs): After completion of the course, students will be able to-

- i Employ digital multimeters for measuring DC voltages, currents, resistance, and AC voltages.
- ii Acquire advanced knowledge in circuit tracing and troubleshooting techniques for electronic equipment, including understanding the operation of signal and pulse generators.
- iii Conduct frequency measurements using oscilloscopes and analyze and compare two frequencies using oscilloscope analysis.





## **SEC-2: Practicals Based on SEC-1 (Medical Physics)**

Course Outcomes (COs): After completion of the course, students will be able to-

- i Acquire practical skills in healthcare monitoring, including using glucometers for blood sugar levels, stethoscopes for pulse rates, and measuring blood pressure, body temperature, weight, and oxygen levels.
- ii Develop proficiency in analyzing diagnostic imaging results from X-rays, CT scans, and MRIs to draw conclusions about potential health conditions.
- iii Enhance understanding of healthcare assessment techniques and diagnostic interpretation, facilitating comprehensive healthcare evaluation.

## **GE/OE-1: Everyday Physics**

Course Outcomes (COs): After completion of the course, students will be able to -

- i The course imparts essential physics principles to real-world contexts, covering transportation fundamentals, sports analysis, and sustainable weather solutions.
- ii Students will understand concepts such as linear and circular motion, friction, and energy/momentum, applying them to transportation and sports.
- iii Additionally, they'll explore sustainable weather management and green energy technologies, gaining practical knowledge about home electricity systems.

## **DSC-3: Optics**

Course Outcomes (COs): On completion of the course, students will be able to,

Acquire the basic concept of optics and its applications.

- i Explain how image formation takes place in lenses
- Hi Understand the operations of many modern optical devices
- iv Understand the optical phenomenon such as interference and diffraction

## **DSC-4: Practicals Based on DSC-3 (Optics)**

Course Outcomes (COs): On completion of the course, students will be able to,

- i Understanding of interference and diffraction phenomena through hands-on experimentation.
- ii Appreciation of practical applications of optical instruments across various scientific disciplines.
- iii Proficiency in conducting precise measurements and observations using optical instruments.
- iv Analyze experimental results critically and compare them with theoretical expectations

## **VSC-1: Electrical Measurements**

Course Outcomes (COs): On completion of the course, students will be able to,

- i Understand and apply fundamental electrical measurement concepts.
- Gain the skill in selecting appropriate measurement methods and minimizing errors.
- iii Understanding of electrical device characteristics and their role in measurement circuits.
- iv Calibrate instruments and verify their accuracy against standards.

## **VSC-1: Electronic Communications**

Course Outcomes (COs): On completion of the course, students will be able to,

- i. Analyze the power and transmission bandwidth of Amplitude and Frequency Modulated signals.
- ii. Familiarize the process of reproduction of base band signal.



- iii. Analyze various pulse analog and pulse digital Modulation Techniques.
- iv. Understand the transmission of binary data in communication systems.

#### **VSC-2: Practicals Based on VSC-1 (Electrical Measurements)**

Course Outcomes (COs): On completion of the course, students will be able to,

- i. Student develop the skill reading the electrical instruments.
- ii. Minimization of errors and get exposure to know the idea of measurements.
- iii. To do handling and repair the electrical instruments.

#### **VSC-2: Practicals Based on VSC-1 (Electronic Communications)**

Course Outcomes (COs): On completion of the course, students will be able to,


- i. Gain a thorough understanding of modulation principles and techniques, including Amplitude Modulation (AM) and Frequency Modulation (FM), facilitating proficiency in signal modulation.
- ii. Develop skills in demodulation methods such as Amplitude Demodulation and Frequency Demodulation, enabling the extraction of modulating signals from carrier waves.
- iii. Acquire knowledge and practical experience in various pulse modulation techniques like Pulse Width Modulation (PWM), Pulse Amplitude Modulation (PAM), Pulse Position Modulation (PPM), and Pulse Code Modulation (PCM), enhancing abilities in signal encoding and transmission.
- iv. Understand digital modulation techniques including Delta Modulation (DM), Frequency Shift Keying (FSK), and Binary Phase Shift Keying (BPSK), enabling

#### **GE/OE-2: Physics in Sports**

Course Outcomes (COs): On completion of the course, students will be able to,

- i Explain how Newton's laws relate to athletic performance.
- ii Evaluate sports equipment design and performance.
- iii Assess the effects of environmental conditions of athletic performance.
- iv Apply strategies for optimizing performance in various conditions.



  
 प्राचार्य,  
 एस पी. महाविद्यालय,  
 ता. भूम जि. उस्मानाबाद

  
 I / C PRINCIPAL



Vidya Vikas Madal Pathrud's  
**SHANKARRAO PATIL MAHAVIDYALAYA, BHOOM.**

Department of Mathematics

Course Outcome

First Year NEP (2024-2025)

**DSC-1: Calculus**

CO 1	Find derivative of hyperbolic, inverse hyperbolic functions and nth derivatives of given functions.
CO 2	Find the Maclaurin's series expansion of functions.
CO 3	Find the partial derivatives of functions.
CO 4	Determine areas of plane regions, length of curves and volume of solid of revolution.

**DSC-2: Lab Course-I (Based on DSC-1)**

CO 1	Find derivative of hyperbolic, inverse hyperbolic functions and nth derivative of given functions.
CO 2	Find the Maclaurin's series expansion of functions.
CO 3	Find the partial derivatives of functions.
CO 4	Determine areas of plane regions, length of curves and volume of solid of revolution.





## **SEC-1A: Combinatorial Mathematics**

<b>CO 1</b>	<b>Apply permutations and combinations.</b>
<b>CO 2</b>	<b>Find the number of circular permutations.</b>
<b>CO 3</b>	<b>Find the number of ways of selection out of given things</b>
<b>CO 4</b>	<b>Apply pigeonhole principle and inclusion-exclusion principle.</b>

## **SEC-2: Lab Course - SEC1A (Based on SEC1A)**

<b>CO 1</b>	<b>Apply permutations and combinations.</b>
<b>CO 2</b>	<b>Find the number of circular permutations.</b>
<b>CO 3</b>	<b>Find the number of ways of selection out of given things.</b>
<b>CO 4</b>	<b>Apply pigeonhole principle and inclusion-exclusion principle.</b>

<b>GE/OE-1 : Business Mathematics-I</b>	
<b>CO 1</b>	<b>Apply knowledge of ratios and proportions.</b>
<b>CO 2</b>	<b>Apply currency and discounts to business.</b>
<b>CO 3</b>	<b>Identify the functions and linear functions.</b>
<b>CO 4</b>	<b>Apply the identified functions to cost and profit.</b>

<b>DSC-3: Differential Equations</b>	
<b>CO 1</b>	<b>Determine the solution of first order linear differential equations.</b>
<b>CO 2</b>	<b>Determine the solution of exact differential equations.</b>
<b>CO 3</b>	<b>Determine the solution of linear equations with constant coefficient using general and short method.</b>
<b>CO 4</b>	<b>Determine the solution of linear homogeneous differential equations.</b>

<b>DSC-4: Lab Course -II (Based on DSC-3)</b>	
<b>CO 1</b>	<b>Determine the solution of first order linear differential equations</b>
<b>CO 2</b>	<b>Determine the solution of exact differential equations.</b>
<b>CO 3</b>	<b>Determine the solution of linear equations with constant coefficient using general and short method</b>
<b>CO 4</b>	<b>Determine the solution of linear homogeneous differential equations.</b>

### **VSC-1B: Basic Statistics**

<b>CO 1</b>	<b>Determine the mean, mode, median and deviation for the given data.</b>
<b>CO 2</b>	<b>Apply the concepts of probability.</b>

### **VSC-2: Lab Course -VSCB (Based on VSC1B)**

<b>CO 1</b>	<b>Determine the mean, mode, median and deviation for the given data</b>
<b>CO 2</b>	<b>Apply the concepts of probability.</b>





Vidya Vikas Madal Pathrud's  
**SHANKARRAO PATIL MAHAVIDYALAYA, BHOOM.**

Department of Mathematics  
**Programme Outcomes**  
**First Year NEP (2024-2025)**

Programme Outcomes		
PO 1		<b>The citizenship and society:</b> Apply broad understanding of ethical and professional skill in science subjects in the context of global, economic, environmental and societal realities while encompassing relevant contemporary issues.
PO 2		<b>Environment and sustainability:</b> Apply broad understanding of impact of science subjects in a global, economic, environmental and societal context and demonstrate the knowledge of, and need for sustainable development.
PO 3		<b>Ethics:</b> Apply ability to develop sustainable practical solutions for science subject related problems within positive professional and ethical boundaries.
PO 4		<b>Individual and team work:</b> Function effectively as a leader and as well as team member in diverse/ multidisciplinary environments.
PO 5		<b>Communication:</b> Communicate effectively on complex science subject related activities with the scientific community in particular and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO 6		<b>Project management and finance:</b> Demonstrate knowledge and understanding of the first principles of science and apply these to one's own work as a member and leader in a team, to complete project in any environment.
PO 7		<b>Life-long learning:</b> Recognize the need for lifelong learning and have the ability to engage in independent and lifelong learning in the broadest context of technological change.

**I / C PRINCIPAL**  
**S.P.Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

## GE/OE-01सौंदर्यमूल्य व भाषिक कौशल्ये - भाग १ ला

१. निवडक कलाकृतीचा अभ्यास करण्यास मदत होईल.
२. निवडक कलाकृतीच्या माध्यमातून सौंदर्यमूल्य उलगडून दाखवता येईल.
३. भाषिक कौशल्याच्या दृष्टीने क्षमता विकसित होण्यास मदत होईल.
४. वक्तृत्वाच्या माध्यमातून रोजगारनिर्मिती या अनुषंगाने विचार करता येईल.

## SEC-01समाज माध्यमांवरील लेखन

१. समाज माध्यमांचा परिचय करून घेण्यास मदत होईल.
२. समाज माध्यमांवरील लेखनाचे तंत्र व कौशल्य आत्मसात करण्यास मदत होईल,
३. समाज माध्यमांवरील लेखन व त्यातून रोजगारनिर्मिती या विषयीचे ज्ञान मिळविण्यास मदत होईल.

## DSC-4 साहित्य प्रकाराचा अभ्यास : कथा

१. कथेचे स्वरूप व घटक समजून घेता येतील.
२. कथेच्या विविध प्रकारांचे आकलन होण्यास मदत होईल,
३. कथेचे आशयसूत्र व भाषा यातील विविध घटकांचा उलगडा करता येईल.
४. कथेच्या कथानकाची जडणघडण घटना प्रसंगाच्या आधारे कशी होते ते समजून घेता येईल.
५. कथेतील जाणिवा समजून घेता येईल.

## GE/OE-02-सौंदर्यमूल्य व भाषिक कौशल्ये - भाग २ रा

१. निवडक कलाकृतीचा अभ्यास करण्यास मदत होईल.
२. निवडक कलाकृतीच्या माध्यमातून सौंदर्यमूल्य उलगडून दाखवता येईल.
३. साहित्य कलाकृतीतील जीवनमूल्य आत्मसात होण्यास मदत होईल.
४. जाहिरातीचे तंत्र व कौशल्य आत्मसात करता येतील.
५. रोजगाराभिमुखतेच्या दृष्टिकोनातून जाहिरात लेखनाचे महत्त्व प्रतिपादन करता येईल.


### VSC- चित्रपट परीक्षण

१. चित्रपटाचे वाङ्मयीन मूल्य लक्षात घेता येईल.
२. चित्रपटाचे नाट्यमूल्य व चित्रपटमूल्य यावर प्रकाश टाकता येईल.
३. चित्रपट परीक्षणाचे तंत्र व कौशल्य अवगत होण्यास मदत होईल.
४. प्राप्त कौशल्याच्या आधारे विद्यार्थ्यांना रोजगाराभिमुख बनवता येईल.

### AEC-01-जाहिरात लेखन व रोजगारसंधी

१. जाहिरातीचे स्वरूप लक्षात घेण्यास मदत होईल.
२. जाहिरातीचे तंत्र समनून घेण्यास मदत होईल.
३. जाहिरातीचे प्रकार सांगता येतील.
४. जाहिरात लेखन कौशल्य आत्मसात करून रोजगार मिळविण्यास उपयुक्त होईल.



  
I / C PRINCIPAL  
S.P. Mahavidyalaya, Bhoor  
Dist. Dharashiv



## B.A. Hindi NEP-2020

### POs, COs

इस पाठ्यक्रम के अध्ययनोपरांत 03/04 वर्ष की स्नातक उपाधि प्राप्ति के बाद छात्रों में निम्नलिखित योग्यता प्राप्त होगी।

#### पाठ्यक्रम परिणाम (Programme Specific Outcome)

- मानवीय भावना और संवेदना को संवर्धित और संरक्षित किया जा सकेगा।
- सामाजिक मूल्यों को बढ़ावा देकर राष्ट्रीय चेतना की प्रबलता दिखाई देगी।
- छात्रों में अभिव्यक्ति कौशल और साहित्य के संस्कारों का बीजारोपण होगा।
- छात्रों में व्यक्तित्व विकास, संवाद कौशल और नेतृत्व के गुण परिलक्षित होंगे।
- पाठ्यक्रम से समरसता और विश्व शांति के लिए सामाजिक समर्थन बढ़ेगा।
- छात्रों में परिवेश की समझ और मंचीय कला का प्रभाव देखा जा सकेगा।
- छात्र रोजगार की अनेक संभावनाएँ की तलाश करने में सक्षम बनेंगे।
- छात्रों में अकादमिक और सांस्कृतिक जागरूकता की वृद्धि होगी।
- हिंदी की टंकण व्यवस्था और साहित्य सृजन का कौशल सीख पाएंगे।
- साहित्य की सभी विधाओं से छात्र भली-भांति परिचित हो पाएंगे।
- पर्यावरण और विज्ञान के संबंध में ज्ञान बढ़ाने से संतुलन को बनाए रखने में मदद मिलेगी।
- छात्रों में अनुसंधानात्मक एवं वैज्ञानिक दृष्टिकोण निर्माण होगा।
- विभिन्न प्रतियोगितात्मक परीक्षा संबंधी बुनियादी ज्ञान प्राप्त होगा।
- छात्र चिंतन, विवेचन और मूल्यांकन से संबंधित विभिन्न संदर्भों को जान सकेंगे।
- साहित्य और सिनेमा के माध्यम से छात्र विभिन्न सामाजिक विषय, समस्या एवं जटिलताओं को प्रभावी रूप से समझेंगे।

#### पाठ्यक्रम के परिणाम (Course Learning Outcomes)

##### हिंदी कथा साहित्य (DSC 1)

- छात्रों को हिंदी कहानी विधा का सम्यक ज्ञान प्राप्त होगा।
- निर्धारित पाठ्यक्रम के पठन से छात्रों में भावनात्मक और संवेदनात्मक गुणों का निर्माण होगा।
- पाठ्यक्रम के अध्ययन से छात्रों में लेखन और सम्यक दृष्टि का विवेक उत्पन्न होगा।
- पाठ्यक्रम में अन्तर्निहित जीवन मूल्यों से जुड़कर छात्र अपने नैतिक और चारित्रिक गुणों का विकास करने में सक्षम होंगे।
- छात्रों में कथा लेखन की क्षमता निर्माण होगी।

##### हिंदी सिनेमा और साहित्य (Generic / OE-1)

- इस पाठ्यक्रम के अध्ययन से विद्यार्थी हिंदी सिनेमा, अपने समाज की परिस्थितियों को सरलता से समझेंगे।
- विद्यार्थी में साहित्य और सिनेमा को देखने का आलोचनात्मक दृष्टिकोण विकसित होगा।

- विद्यार्थियों में भावात्मक रूप से अधिक संवेदनशीलता का भाव निर्माण होने में मदद मिलेगी।
- विद्यार्थियों को व्यक्तिगत जीवन में नैराश्य को छोड़कर यश प्राप्ति के लिए प्रेरणा मिलेगी।

#### संभाषण कला (Skill Enhancement course)

- छात्र संभाषण के महत्व को समझेंगे।
- छात्र वार्तालाप, भाषण, वाद विवाद, एकालाप, परिचर्चा जैसे संभाषण के विविध आयाम समझेंगे।
- भाषण, वाद-विवाद, मंच संचालन, मंचीय कविता आदि के बारे में छात्रों को जानकारी मिलेगी।
- छात्रों को संभाषण के व्यावहारिक पक्ष का ज्ञान होगा।
- भविष्य में विद्यार्थी इसके सहारे विभिन्न क्षेत्रों में स्वतंत्र रूप में कुशल वक्ता, सूत्र संचालक, कवि बनेंगे।

#### हिंदी नाट्य साहित्य (DSC-4)

- छात्रों को हिंदी नाटक विधा का सम्यक ज्ञान प्राप्त होगा।
- नाटक से छात्रों को भावनाओं, संचार कौशल, और रचनात्मक अभिव्यक्ति का निर्माण होगा।
- नाट्य विधा के अध्ययन से छात्रों में लेखन और सम्यक दृष्टि का विवेक उत्पन्न होगा।
- नाटक की गतिविधियों से छात्रों के बोलने, सुनने, और समझने के कौशल में भी सुधार होगा।
- छात्रों में नाट्य लेखन की क्षमता निर्माण होगी।
- निर्धारित नाटकों के पठन से छात्रों में नाटक एवं रंगमंच के प्रति अभिरुचि निर्माण होगी।

#### हिंदी की राष्ट्रीय काव्यधारा (Generic/OE - 2)

- छात्र स्वाधीनता आंदोलन के इतिहास को समझेंगे।
- छात्र स्वाधीनता आंदोलन में साहित्य के योगदान को समझेंगे।
- छात्रों में राष्ट्रीय एकता का भाव निर्माण होगा।
- छात्रों में देशभक्ति और देश के प्रति स्वाभिमान का भाव निर्माण होगा।

#### रचनात्मक लेखन कौशल (Vocational skill course)

- इस पाठ्यक्रम के अध्ययन-अध्यापन तथा प्रायोगिक कार्य के पश्चात् छात्रों में सृजनात्मक चिंतन, लेखन, भावाभिव्यक्ति और प्रस्तुतीकरण कौशल का विकास होगा।
- छात्रों में अपने परिवेश तथा समाज के प्रति संवेदनशीलता का विकास होगा।

#### व्यक्तित्व विकास और जीवन कौशल (AEC1) (Personality Development and Life Skills)

- विभिन्न जीवन कौशल को आत्मसात कर छात्र अपने जीवन को सरल एवं सहज बना सकते हैं।
- यह पाठ्यक्रम छात्रों में सकारात्मक व्यवहार की वे योग्यताएँ निर्माण करेगा जिससे छात्र को दैनिक जीवन की माँगों और चुनौतियों से प्रभावी तरीके से निपटने के लिए सक्षम बनाती है।
- छात्रों में रोजगार कौशल निर्माण में सहायक होगा।



**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

# **Shankarrao Patil Mahavidyalaya, Bhoom Dist: Dharashiv**

## **Department of English**

**FYBA 2024-25**

### **PROGRAM SPECIFIC OUTCOMES(PSO):**

The undergraduate program in English aims to

- i Sensitize students to the aesthetic, cultural and social aspects of literature
- ii Provide students with extensive view of social, political, cultural and other aspects of society as reflected in literature
- iii Acquire life and communication skills and focus on vocational skills
- iv Learn to appreciate creative art and literature
- v Develop students' abilities like creative thinking and writing
- vi Engage students with major genres of literature and develop fundamental skills required for close reading and critical thinking of the text and context
- vii Acquire in-depth knowledge of the religious, socio-intellectual and cultural thoughts through literature
- viii Create holistic approach towards education
- ix Develop knowledge competence in select thrust areas that would provide directions to the Students in terms of research as well as career options
- x Develop a sense of inquiry and capability among students for asking relevant/appropriate questions, problem solving, synthesizing and articulating
- xi create atmosphere of research and motivate students to undertake research in humanities
- xii Encourage multidisciplinary
- xiii Provide job opportunities through skill-based courses
- xiv Understand and recognised value system, moral dimensions and self-responsibility for nation and society.

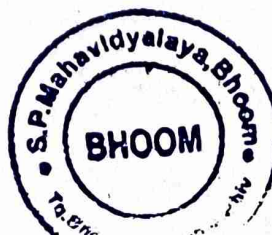
### **1.English Paper I (Semester I)**

#### **DSC-I : English Poetry**

#### **Course Outcomes:**

By the end of course, the students will learn

- i Meaning of Poetry. its types and forms
- ii The rise and development of English Poetry, trends in English poetry
- iii Major and minor British poets, texts and contexts.
- iv Reflection of human values in English poetry
- v Undertake projects, research in English poetry Write poetry on current situations





## **2. English Paper II**

**Generic Elective or Open Elective (GE/OE) - 01**

**Functional English GE/OE**

**Course Outcome:**

By the end of course, the students will learn

- i Basic grammar in English language.
- ii Writing skills with the help of clause elements, phrases, clause types, sentences types.
- iii To prepare for various competitive examinations.
- iv To spot Common errors, Sentence improvement, build vocabulary, selecting proper words, subject-verb concord, ordering of words in sentences etc.

## **3. English Paper IV**

**Skill Enhancement Course (SEC-ENG-I)**

**Metalinguistic Skills**

**Course Outcomes:**

- i At the end of the course, the student can understand
- ii Acts of writing, the ability to think grammatically and to reflect on the effectiveness of language choices
- iii Phonemic awareness, syntactic awareness. and lexical awareness
- iv Conversational interaction and the role of metalinguistic skills
- v understand the intended message or the speaker through metalinguistic skills
- vi Relation between language and culture

## **4. English Paper IV**

**Ability Enhancement Course (AEC-I)**

**Communication Skills in English**

**Course Outcome:**

At the end of course, students will learn

- i To communication skills, importance of all skills and use Of effective communication skills.
- ii To speak at public places.
- iii To prepare for job interview
- iv Manners, etiquettes, and maintain good relations with others
- v To show higher level of critical thinking and sharpen their accuracy in writing.

## **5. English Paper V**

**Course Title: English Drama DSC-4**

**Semester II**

**Course Outcomes:**

- i At the end of course, students will learn
- ii Meaning and elements o English drama
- iii Various trends in English drama





- iv To demonstrate a broad knowledge of major and minor British playwrights and texts and contexts
- v Will play various roles in drama } theatre • Will write dramas

## 6. English Paper V

**Generic Electives/Open Elective:2**

**Course Title:**

**Course Title: English for Competitive Examination (GE/OE):2-ENG-02**

**Course Outcome:**

At the end of course, the students will learn

- i The use of basic grammar in English language learning.
- ii To prepare for various competitive examinations.
- iii To spot common errors, sentence improvement, build vocabulary, selecting proper words, subject-verb concord, Ordering of words in sentences etc.
- iv To enable students for employment with requisite professional skills, ethics and values.

## 7. English Paper VI


**Vocational Skill Course (VSC)**

**Translation in Practice : VSC-ENG:I**

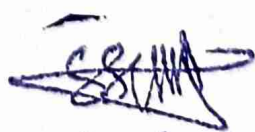
**Course Outcomes:**

At the end of course, the students will learn

- i Translation as important branch of study and what is good translation.
- ii Basic but valuable techniques used by a good translator in the translation between English and Marathi or English and Hindi.
- iii To understand the idea, style and tone of the writer, the historical and cultural context of the writing, as well as the explicit and implied meanings of words, the grammatical structures of sentences, and the logic of sentences and paragraphs in order to achieve faithfulness, expressiveness, and elegance in the translation,
- iv What makes a qualified professional translator and acquire the abilities and skills that such a translator needs.

  
**I / C PRINCIPAL**  
**S.P.Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**



  
 प्राचार्य,  
 एस पी. महाविद्यालय, भूम  
 ता. भूम जि. उस्मानाबाद

# Department of Political Science

## Course Outcome

### Title of the course: DSC-Pol-01: Introduction to Political Science

- Theoretical aspects of Political Science, and will learn about its basic concepts state and government
- The origin, structure and functioning of state and government.
- Understand the dynamics of live politics in the context of political theory
- Basic concepts-liberty, equality, and justice
- Distinctions and relevance of these concepts.

### Title of the course: GE/OE 1: Basics of State and Government

- Understand origin, constituents, purpose, structure and functioning of the state and government.
- Analyze the better form of government around the world.
- To understand the difference between state and government.

### Title of the course: SEC-I: Human Rights

- Explain the basic concept of Human Rights and its various formulations.
- Have sufficient knowledge and skills for analyzing, interpreting, and applying the Human Rights Standards and sensitize them to the issues.
- Develop ability to critically analyze Human Rights violations around them and become a volunteer.

### Title of the course: DSC-Pol-04: Government and Politics in Maharashtra

- Understand the socio-economic conditions, State reorganisation and cultural background of Maharashtra
- Make sense about structure and functioning of Government of Maharashtra
- Analyze political dynamics of Maharashtra
- Become aware of Local self government and Panchayat Raj in Maharashtra

### GE/OE: 2:- Introduction to Foreign Policy

- To study the framing, means and goals of foreign policy.
- To understand the objectives and principles of India's foreign policy.

### VSC I-Pol-VSC-1: Election Management

- Acquire skills of election management.
- Assist political parties or candidates to manage its electorate.
- Provide Professional solutions to run election campaign to political party or any independent candidate.



*ASB*  
I / C PRINCIPAL  
S.P. Mahavidyalaya, Bhoom  
Dist. Dharashiv



Vidya Vikas Madal Pathrud's  
**SHANKARRAO PATIL MAHAVIDYALAYA, BHOOM.**

**Department of History**  
**Course Outcome**  
**First Year NEP (2024-2025)**

<b>DSC-1 History of India (Up to 300 B.C.)</b>	
<b>CO 1</b>	To Study various type of sources in history.
<b>CO 2</b>	To put forth Socio-economic and religious history of India.
<b>CO 3</b>	To understand various concepts in ancient India

<b>GE/OE-1: History of Buddhism</b>	
<b>CO 1</b>	To Study the Sources of Buddhism.
<b>CO 2</b>	To understand Life and philosophy of Gautam Buddha.
<b>CO 3</b>	To Sensitize about the impact of Buddhism

<b>SEC-1: Study in Museology</b>	
<b>CO 1</b>	To Study the basic concept of Museology.
<b>CO 2</b>	To create awareness about Museology.
<b>CO 3</b>	To put forth importance of Museology.




<b>DSC-4: History of India (300 B.C. to 650 A.D.)</b>	
<b>CO 1</b>	To Study the Various Dynasties in History of India
<b>CO 2</b>	To understand rise and expansion of various dynasties.
<b>CO 3</b>	To put forth the significance of various dynasties.

<b>GE/OE-2 History of Jainism</b>	
<b>CO 1</b>	To Study the sources of Jainism.
<b>CO 2</b>	To understand teachings of Jainism.
<b>CO 3</b>	To put forth major sects in Jainism.

<b>VSC-1: Study in Archaeology</b>	
<b>CO 1</b>	To Study the basic concept of Archaeology.
<b>CO 2</b>	To create awareness about Archaeology
<b>CO 3</b>	To put forth importance of Archaeology.



  
**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

# **Shankarrao Patil Mahavidyalaya, Bhoom Dist: Dharashiv**

## **Department of Sociology**

**FYBA 2024-25**

### **Program Specific Outcomes (PSO's)**

On completion of the 03/04yearsDegree in Sociology students will be able to-

- ❖ PSOI: Students will get to know 'Sociology' as discipline and will understand the meaning and Scope of the subject in branch of Humanities
- ❖ PS02: Understanding of Concepts and sociological theories to explore and understand society and social phenomenon in general
- ❖ PSO.3: Create ability to understand and interpret social change along with factors responsible for it and its implications to the society and Individual
- ❖ PSO.": Knowledge of research methodology tools and it use of solving social problems and further its use in Social Policies.
- ❖ PSO.5: Learning use of sociology and its application in understating of contemporary social problems in the interest of society.
- ❖ PSO.6: providing information and knowledge of various fields and subfields of sociology and its interrelation for helping students in the study of society
- ❖ PSO. 7: Encourage critical thinking of emerging issues, implications of dynamic society, providing ability to encounter with existing social issues.

### **Sociology I (Semester I)**

#### **1. Introduction to Sociology (DSC-I)**

##### **Course Outcomes (CO's)**

- i) Students will understand the period of renaissance and its significance in the development of social thought.
- ii) Students will understand the major contributions and theories of pioneer sociologists.
- iii) Students will able to define sociology through a scientific lens.
- iv) Students will get introduction of Indian sociologists and their contribution

Students will acquaint with basic concepts of Sociology

#### **2. Social Media and Society (GE/OE-I)**

##### **Course Outcomes (COs):**

- i) Students will understand the meaning and nature of social media.
- ii) Students will able to identify and describe the functions of social media platforms, recognizing their roles in information dissemination, community building, and entertainment.
- iii)
- iv) Students will able to differentiate between various types of social media platforms and understanding their unique features and purposes.



- v) Students will be able to understand the impacts of social media on society and able to evaluate the challenges and concerns associated with social media.

### **3. Skill Enhancement Course (SEC)**

#### **Personality Development (SEC)**

##### **Course Outcomes (COs):**

- i Develop skills to embrace change, handle setbacks, and thrive in dynamic work environments.
- ii Build self-confidence, overcome self-doubt and be able to assert oneself in professional settings
- iii Students will be able to analyze their own strengths and weaknesses both verbal and nonverbal communication abilities, active listening and expressing ideas effectively.
- iv Improve communication skills and time management

#### **Sociology I (Semester II)**

### **4. Applied Sociology (DSC-II)**

##### **Course Objectives:**

- i To introduce students to the concept, scope and importance of applied sociology.
- ii To examine the role of sociology in understanding the social problems and solving of it.
- iii To understand the role of sociology in policy framing.
- iv To analyze the role of applied sociology in social development.
- v To explore the importance of sociology in social research.

### **5. Sociology of Cinema (GE/OE)**

##### **Course Objectives:**

- i To introduce students to the fundamental concepts and theories of the sociology of cinema.
- ii To examine the relationship between cinema and society.
- iii To understand the impact of cinema on social norms, values, and identities.
- iv To analyze the role of films in shaping cultural and social change.
- v To explore contemporary issues in cinema with a focus on Indian films.


### **6. Vocational Skill Course (VSC)**

#### **Family Counselling**

##### **Course Outcomes (COs):**

- i) Students will understand the Characteristics of Family.
- ii) Students will analyze the Changing Nature of Family.
- iii) Students will be able to Identify and Address Issues and Problems in Family.
- iv) Students will be able to explore the Significance and Role of Family Counseling.



  
**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**





**Vidya Vikas Madal Pathrud's  
Shankarrao Patil Mahavidyalaya, Bhoom.  
Department of Economics  
(POs, Paper Wise Cos.)**

**Programme Outcomes (POs):**

Upon completion of this programme, a student will be able to analyse government policies. Knowing How an economy functions, and how decisions are made by consumers, producers, and regulators, the student

Will have the necessary skills to identify, analyse, and solve problems in a logical and efficient way.

PO1: The students will get trained to collect primary data and presentation skills.

PO2: The program also empowers the graduates to understand various competitive examinations or choose the

Post graduate programme of their choice.

PO3: The students will get knowledge with human values framing the base to deal with various problems in

Life with courage and humanity.

PO4: The students will get an understanding of basic economic theory.

PO5: The students will get an introduction to economic issues and problems facing the country.

**Programme Specific Outcomes for B. A. Economics:**

After completion of the B. A. Economics programme, the students should be able to:

PSO1: Students will be able to explain the basic and core terms, concepts and theories in Economics.

PSO2: Students will be able to Use the acquired knowledge and skills in taking up higher studies.

PSO3: Students will able to apply economic reasoning to solve the problems of the economy.

PSO4: Students will able to evaluate substantive knowledge of core areas in Economics and the ability to think

Critically about them.

PSO5: Students will able to analyse history of the discipline of Economics.

**Course Outcomes (COs):**

**DSC-1: Micro Economics Course Outcomes (COs):**

After completion of the course, students will be able to -

- i) Introduce the basic principles of Micro Economics to students...
- ii) To analyse and interpret charts, graphs and figures.
- iii) To develop an understanding the basic theories of micro economics and their application.
- iv) To demonstrate the theories discussed in class will usually be applied related to real life situations.
- v) To enable students to understand how optimum real life decisions are taken by individuals under situations of scarcity.



## GE/OE-: Indian Banking System

Course Outcomes (COs): After completion of the course, students will be able to

- i) Introduce Indian Banking Structure.
- ii) To create awareness about role of commercial banks.
- iii) To understand about the function of banks.
- iv) To understand importance of co-operative banks.
- v) To understand development of banks.

### SEC-1: Data Collection Course Outcomes (COs):

After completion of the course, students will be able to -

- i) To understand the various data collection techniques in economics.
- ii) To provide knowledge of data collection.
- iii) To develop practical skills.
- iv) To develop communication skills.
- v) To prepare research activity.

### DSC-4: Price Theory

Learning Objectives of the Course:

- i) To enable students to understand how optimum real life decisions are taken by firms under situations of scarcity.
- ii) To introduce basic concepts of price theory.
- iii) To create awareness about different types of markets.
- iv) To state and explain meaning of different costs.
- v) To understand internal and external economies & diseconomies.

### GE/OE-2: Reserve Bank of India and Monetary Policy

Learning Objectives of the Course:

- i) Provide knowledge to the student regarding RBI and monetary policy.
- ii) Introduce to students different methods of credit control.
- iii) Enable to student study the money measures.
- iv) Understand the role and functioning of RBI
- v) To introduce current monetary policy.

### VSC-1: Modern Banking Techniques

Learning Objectives of the Course;

- i) To create awareness about modern banking techniques.
- ii) To understand E - Banking.
- iii) The approach of this paper is to study of cyber security.
- iv) To develop practical skill



*AS*  
**I / C PRINCIPAL**  
**S.P.Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**

*CSH*  
**प्राचार्य,**  
**एस पी. महाविद्यालय, भूम**  
**ता. भूम जि. उस्मानाबाद**





Vidya Vikas Madal Pathrud's  
**Shankarrao Patil Mahavidyalaya, Bhoom.**  
**Department of Commerce**  
(PEOs, PSo, POs, Paper Wise Cos.)

**Programme Educational Objectives (PEOs):**

Programme Educational Objectives (PEOs) for the Bachelor of Commerce Curriculum under the National Education Policy 2020:

1. **Professional Competence:** Graduates of the Bachelor of Commerce program will demonstrate comprehensive knowledge and understanding of core concepts, fundamental principles, theories and practices in various fields of Commerce including Accounting, Finance, Economics, Management and Marketing.
2. **Critical Thinking and Analytical Skills:** Graduates will develop strong critical thinking abilities, enabling them to evaluate information rigorously, analyze data effectively, and make informed decisions based on evidence. They will demonstrate proficiency in applying logical reasoning to solve complex business problems and generate new knowledge.
3. **Effective Communication:** Graduates will possess effective communication skills, both verbal and written, enabling them to convey ideas, present information, and interact professionally in diverse business environments.
4. **Leadership and Teamwork:** Graduates will demonstrate leadership qualities and the ability to work effectively in teams, collaborating with diverse stakeholders to achieve common goals and drive organizational success.
5. **Entrepreneurial mindset:** Graduates will possess an entrepreneurial mindset, capable of identifying opportunities, taking calculated risks, and innovating solutions to create value in business ventures or within existing organizations.
6. **Ethical and Social Responsibility:** Graduates will understand the ethical principles and values governing business conduct and demonstrate a commitment to responsible and sustainable business practices, contributing positively to society and the community.





**7. Global Citizenship and Cultural Sensitivity:** Graduates will possess a global perspective and cultural sensitivity, recognizing the interconnectedness of diverse communities and the importance of collaboration across borders. They will engage in cross-cultural dialogue, embrace diversity, and contribute to the advancement of knowledge and understanding on a global scale.

These Programme Educational objectives provide a framework for designing curriculum, instructional methods, and assessment strategies to ensure that graduates of the Bachelor of Commerce program are well-prepared to meet the demands of the dynamic and competitive business landscape.

**Programme Outcomes (POs):**

The National Education Policy (NEP) 2020 for India emphasizes several key aspects for Bachelor of Commerce (B.Com.) programs, aiming to produce graduates who are not only well-versed in their respective disciplines but also equipped with skills necessary for holistic development and employability. While specific program outcomes may vary between institutions and disciplines within B.Com. Programs, here are some common outcomes aligned with NEP 2020:

- **PO1. Contribution to the Economy and Society:** Make significant contributions to the economy and society through their roles as business leaders, entrepreneurs, professionals, and responsible citizens, fostering economic growth, innovation, and social welfare.
- **PO2. Ethics, Environment and Sustainability:** Ability to develop sustainable practical solutions for complex business-related problems within positive professional and ethical boundaries. Develop understanding for social and sustainable business issues and demonstrate the knowledge of and need for sustainable development.
- **PO3. Entrepreneurial Mindset and Innovation:** Cultivate an entrepreneurial mindset, fostering creativity, innovation, and a willingness to take calculated risks to identify and pursue opportunities for value creation and business innovation.
- **PO4. Individual and team work:** Work effectively in diverse teams, demonstrating leadership, interpersonal skills, and the ability to collaborate with others to achieve common goals and solve complex problems.
- **PO5. Communication:** Communicate effectively on complex business-related activities and issues with business counterparts in particular and with the society at large, such as, being able to comprehend

and write effective reports and design documentation. To make effective presentations, and give and receive clear instructions.

► **PO6. Digital Literacy and Technological Proficiency:** Demonstrate proficiency in using digital tools, technologies, and information systems relevant to the field of commerce, enabling them to analyze data, automate processes, and adapt to technological advancements.

► **PO7. Continuous Learning and Adaptability:** Embrace lifelong learning, proactively seeking opportunities for professional development, acquiring new skills, and adapting to changing business trends, technologies, and regulatory environments.

These program outcomes align with the broader goals of NEP 2020 to transform higher education in India and prepare students for the challenges and opportunities of the 21st century. Board of Studies designing B.Com curricula are encouraged to incorporate the outcomes into their program objectives and learning outcomes.

### **Programme Specific Outcomes (PSOs):**

(Programme specific outcomes are discipline/major specific. Different major will have different PSOs. Following is the example of PSOs for Accounting & Finance Major. Respective BoS is expected to draft PSOs related to their Major)

► **PSO1 Financial Reporting and Analysis:** Graduates will demonstrate proficiency in preparing, analyzing, and interpreting financial statements in accordance with accounting standards and regulations, enabling them to provide accurate and reliable financial information for decision-making.

► **PSO2 Managerial Accounting and Cost Management:** Graduates will apply managerial accounting techniques to analyze costs, budgets, and performance metrics, enabling them to support strategic decision-making and optimize resource allocation within organizations.

► **PSO3 Taxation and Compliance:** Graduates will possess a comprehensive understanding of tax laws and regulations, enabling them to prepare tax returns, advise on tax planning strategies, and ensure compliance with tax obligations for individuals and businesses.

- **PSO4 Auditing and Assurance Services:** Graduates will understand the principles and practices of auditing, internal controls, and assurance services, enabling them to conduct audits, assess risks, and provide assurance on the reliability and integrity of financial information.
- **PSO5 Financial Management and Investment Analysis:** Graduates will analyze financial markets, evaluate investment opportunities, and make informed decisions regarding capital structure, capital budgeting, financing, dividends and risk management to maximize shareholder value and wealth creation.
- **PSO6 Financial Markets and Institutions:** Graduates will demonstrate knowledge of financial markets, instruments, and institutions, including banking, securities, and derivatives markets, enabling them to analyze market trends, evaluate investment options, and manage financial assets.
- **PSO7 Ethics and Professional Standards:** Graduates will adhere to ethical principles and professional standards in their practice of accounting and finance, demonstrating integrity, objectivity, and professional skepticism in their decision-making and conduct.

These Program Specific Outcomes provide a focused framework for students pursuing a major in Accounting and Finance within the B.Com program, equipping them with the specialized knowledge, skills, and competencies required to excel in professional roles within the accounting, finance, and related fields.

#### **Course Outcomes (COs):**

##### **DSC-1: Financial Accounting- I**

Course Outcomes (COs): After completion of the course, students will be able to -

1. To prepare and analyse the financial statements.
2. Acquire the basic concept of accounting terms.
3. Record the different financial activities & Practices

##### **DSC-2: PRINCIPLES OF MANAGEMENT-I**

Course Outcomes (COs): After completion of the course, students will be able to-

- i) To acquaint students with fundamentals of business management.
- ii) To explain concepts, principles and theories of management.
- iii) To develop understanding about functions of management and their importance in business.
- iv) To explain the application of the principles of management in an organizational setup

##### **DSC-3: Entrepreneurship Development-I**

Course Outcomes (COs): After completion of the course, students will be able to-



- i. To Create Awareness Amongst students about Entrepreneurship.
- ii. To Understand Theories while applying in the Business.
- iii. To know about Foundation of Entrepreneurship and its theories.
- iv. To identify the type of entrepreneur and the steps involved in an entrepreneurial Venture

#### **GE/OE-: Basics of Entrepreneurship**

Course Outcomes (COs): After completion of the course, students will be able to

- i) To select a business idea
- ii) To prepare a project report
- iii) To register a unit (Udyog Aadhar Number)

#### **SEC-1: Office Automation Tools**

Course Outcomes (COs): After completion of the course, students will be able to -

- i) To give Basic Hands on Knowledge of Word Processing using MS Word
- ii) To provide Basic Hands on Knowledge of Spreadsheet Processing using MS Excel
- iii) To deliver the fundamental Knowledge of presentations using MS PowerPoint.

To make students familiar with e-mail account.

#### **DSC: 4 Financial Accounting-II**

Course Outcomes (COs): After completion of the course, students will be able to

1. Understand the process of recording and classifying the business transactions and events
2. Understand the financial statements, viz., Profit and Loss Account, Balance Sheet, and cash flow statement of a sole proprietor.
3. Abridge the ability to prepare and analyse the branch account.
4. Acquire concept of departmental accounting.

#### **DSC: 5 PRINCIPLES OF MANAGEMENT-II**

Course Outcomes (COs): After completion of the course, students will be able to

- i) Demonstrate understanding of the role of effective direction in modern business organizations
- ii) Design motivation strategies for business effectiveness
- iii) Learners will diagnose various styles and qualities of efficient leadership, Coordination and Controlling
- iv) Identify the contemporary issues and challenges in business management

#### **DSC-6: Entrepreneurship Development-II**

Course Outcomes (COs): After completion of the course, students will be able to

- i) To provide knowledge and information about Entrepreneurship Development.
- ii) To provide knowledge and create ability for setting unan enterprise within given

## **GE/OE-02: Basic Marketing**

Course Outcomes (COs): After completion of the course, students will be able to

- 1) Students understand fundamental concept of marketing and develop the plan for own business
- 2) Students gets the job opportunities due to the knowledge of marketing management.
- 3) Students demonstrate ability to work well with others communication skill

## **VSC-1: Business Documentation**

- i) To make students familiar with business correspondence documents.
- ii) To train students with adyanced MS Word Functions
- iii) To make ready students to make professional documents.



*AS*  
*Agarwal*  
**I / C PRINCIPAL**  
**S.P. Mahavidyalaya, Bhoom**  
**Dist. Dharashiv**



// एकमेका साह्य करू / अवघे धरू सुपंथ //

श्री शिवाजी शिक्षण प्रसारक मंडळ, बार्शी संचालित

कर्मवीर मामासाहेब जगदाळे महाविद्यालय वाशी

ता. वाशी, जि. धाराशिव.



कर्मवीर डॉ. मामासाहेब जगदाळे राज्यस्तरीय आंतरमहाविद्यालयीन

वाद-विवाद स्पर्धा २०२४ - २०२५

## प्रशस्ती पत्र

प्रमाणित करण्यात येते की, कर्मवीर डॉ. मामासाहेब जगदाळे राज्यस्तरीय आंतरमहाविद्यालयीन

वाद-विवाद स्पर्धेत कु / श्री / श्रीमती काधमोरे साक्षी धनाजी

यांनी महाविद्यालयीन गटात प्रथम/द्वितीय/तृतीय क्रमांक मिळवल्याबद्दल हे प्रशस्तीपत्र सन्मानपूर्वक प्रदान करण्यात येत आहे.

हार्दिक अभिनंदन ! पुढील वाटचालीस मनःपूर्वक शुभेच्छा .....

दिनांक :

Ravale  
सचिव



Q  
प्राचार्य





Cr. No. 092

**Dr. Babasaheb Ambedkar Marathwada University**  
**Chhatrapati Sambhajinagar**

NAAC Re-Accredited 'A' Grade

**UNIVERSITY BOARD OF SPORTS &  
PHYSICAL EDUCATION**

**DHARASHIV DISTRICT ZONAL  
SPORTS COMMITTEE**

**INTER COLLEGIATE SPORTS**

**Certificate of Merit**

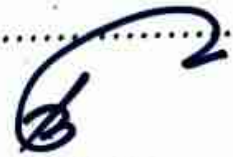


Awarded to Shaikh Izshad J  
of the S.P. College, Bhoom.  
being the II<sup>nd</sup>  
in the Shot Put (M)  
during the year 2024-25 held at Varantao Kale  
Mahavidyalaya, Dhoki.





**SECRETARY**  
Dharashiv District  
Zonal Sports Committee



**PRESIDENT**  
Dharashiv District  
Zonal Sports Committee



**DIRECTOR**  
Department of Sports  
Dr. Babasaheb Ambedkar Marathwada University,  
Chhatrapati Sambhajinagar (MS) India



Cr. No. 081

**Dr. Babasaheb Ambedkar Marathwada University  
Chhatrapati Sambhajinagar**

NAAC Re-Accredited 'A' Grade

**UNIVERSITY BOARD OF SPORTS &  
PHYSICAL EDUCATION**

**DHARASHIV DISTRICT ZONAL  
SPORTS COMMITTEE**

**INTER COLLEGIATE SPORTS**

**Certificate of Merit**



Awarded to Samadhan Abhimanyu Dukale

of the S.P. college, Bhoom

being the III<sup>rd</sup>

in the Long Jump (M)

during the year 2024-25 held at Vasant Rao Kale

Mahavidyalaya, Dhoki

**SECRETARY**  
Dharashiv District  
Zonal Sports Committee

**PRESIDENT**  
Dharashiv District  
Zonal Sports Committee

**DIRECTOR**  
Department of Sports  
Dr. Babasaheb Ambedkar Marathwada University,  
Chhatrapati Sambhajinagar (MS) India





Vidya Vikas Mandal Pathrud's

## Shankarrao Patil Mahavidyalaya, Bhoom

Tq.Bhoom Dist. Dharashiv  
(NAAC 'B' Grade)

COLLEGIATE ATHLETICS (M/W) TOURNAMENT

CERTIFICATE

This is to certify that Mr./Miss. Sujit Hagare  
Student of B.A.S.Y has Participated in the Collegiate Athletics (M/W) Tournaments Organized by  
Department of Sports & IQAC Cell, Shankarrao Patil Mahavidyalaya, Bhoom Tq.Bhoom Dist. Dharashiv On  
25/01/2025. He/She has Won 200M Running First Place Prize.

  
Mr. Rathod R.D.

Sport Committee, Secretary

  
Dr. Anuradha Jagdale  
IQAC Coordinator

  
Dr.S.B.Chandanshi  
Principal





Vidya Vikas Mandal Pathrud's

## Shankarrao Patil Mahavidyalaya, Bhoom

Tq.Bhoom Dist. Dharashiv  
(NAAC 'B' Grade)

COLLEGIATE ATHLETICS (M/W) TOURNAMENT

CERTIFICATE

This is to certify that Mr./Miss. Pravin Shinde  
Student of B.Sc. S.Y has Participated in the Collegiate Athletics (M/W) Tournaments Organized by  
Department of Sports & IQAC Cell, Shankarrao Patil Mahavidyalaya, Bhoom Tq.Bhoom Dist. Dharashiv On  
25/01/2025. He/She has Won 200(M) Running Second Place Prize.

Mr. Rathod R.D

Sport Committee, Secretary

Dr. Anuradha Jagdale

IQAC Coordinator

Dr. S.B. Chandanshiv

Principal



Vidya Vikas Mandal Pathrud's

## Shankarrao Patil Mahavidyalaya, Bhoom

Tq.Bhoom Dist. Dharashiv  
(NAAC 'B' Grade)

COLLEGIATE ATHLETICS (M/W) TOURNAMENT

CERTIFICATE

This is to certify that Mr./Miss. Aejun Kute  
Student of B.A.S.Y has Participated in the Collegiate Athletics (M/W) Tournaments Organized by  
Department of Sports & IQAC Cell, Shankarrao Patil Mahavidyalaya, Bhoom Tq.Bhoom Dist. Dharashiv On  
25/01/2025. He/She has Won 200(M) Running Third place Prize.

  
Mr. Rathod R.D.

Sport Committee, Secretary

  
Dr. Anuradha Jagdale  
IQAC Coordinator

  
Dr.S.B.Chandanshiv  
Principal



Vidya Vikas Mandal Pathrud's

## Shankarrao Patil Mahavidyalaya, Bhoom

Tq.Bhoom Dist. Dharashiv  
(NAAC 'B' Grade)

COLLEGIATE ATHLETICS (M/W) TOURNAMENT

CERTIFICATE

This is to certify that ~~Mr.~~/Miss. Kalpna Mahanvel  
Student of B.Sc. T.Y has Participated in the Collegiate Athletics (M/W) Tournaments Organized by  
Department of Sports & IQAC Cell, Shankarrao Patil Mahavidyalaya, Bhoom Tq.Bhoom Dist. Dharashiv On  
25/01/2025. ~~He~~/She has Won Shotput(women) First Place Prize.

  
Mr. Rathod R.D.

Sport Committee, Secretary



Dr. Anuradha Jagdale  
IQAC Coordinator



Dr.S.B.Chandanshiv  
Principal





Vidya Vikas Mandal Pathrud's

## Shankarrao Patil Mahavidyalaya, Bhoom

Tq.Bhoom Dist. Dharashiv  
(NAAC 'B' Grade)

**COLLEGIATE ATHLETICS (M/W) TOURNAMENT**

**CERTIFICATE**

This is to certify that ~~Mr.~~/Miss. Pearita Wate

Student of B.Sc. F.Y has Participated in the Collegiate Athletics (M/W) Tournaments Organized by Department of Sports & IQAC Cell, Shankarrao Patil Mahavidyalaya, Bhoom Tq.Bhoom Dist. Dharashiv On 25/01/2025. ~~He~~/She has Won Shotput(women) Second place Prize.

  
Mr. Rathod R.D.

Sport Committee, Secretary

  
Dr. Anuradha Jagdale  
IQAC Coordinator

  
Dr.S.B.Chandanshiv  
Principal