



# ATULIT BISWAS SWASTH EVAM SHIKSHAN SAMITI

Healthcare Technical Training & Capacity Building

Website: <https://atulitbiswas.com>



Skill Development for Strengthening Healthcare Infrastructure



## About the Organisation


**ATULIT BISWAS SWASTH EVAM SHIKSHAN SAMITI** is dedicated to building a resilient healthcare workforce through structured technical training and capacity building across Madhya Pradesh and neighbouring regions.

### Vision

To strengthen the medical sector with efficient, effective and sustainable health workers and to be recognised as a leading medical health service provider.

### Mission

Deliver practical, competency-based training aligned with **I.M.A** standards to improve service delivery and patient safety.

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## Course Structure & Duration

### Total Duration

60 Days — blended delivery (theory + practical)

### Online (Theory)


15 Days — synchronous lectures, assessments and e-resources

### Offline (Practical)

45 Days — on-site hands-on training, simulations and supervised practice

### Locations

Multiple training centres across Madhya Pradesh; mobile units for remote facilities

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# Comprehensive Training Curriculum



## Medical Gas Pipeline System (MGPS)

Design, installation, testing, maintenance and safety protocols



## Fire Fighting & Safety

Equipment use, prevention, evacuation and workplace drills




## Modular Operation Theatre Training

Clinical workflows, infection control and theatre operations



## Operation & Maintenance of PSA Oxygen Plant

Plant components, operation, routine maintenance and troubleshooting

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# MGPS — Course Module

01

## 1. Introduction

Standards, system overview and regulatory compliance (including safety codes)

02

## 2. Equipment & Components

Sources, manifolds, outlets, alarms and zone valves

03

## 3. Installation, Testing & Commissioning

Pressure testing, leak detection, commissioning protocols and documentation

04


## 4. Operation & Maintenance

Routine checks, preventive maintenance schedules and record-keeping

05

## 5. Safety & Emergency Management

Alarm response, contingency plans and staff roles during emergencies

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# Fire Fighting & Safety Training

## Introduction to Fire Safety

Risk assessment, fire classification and prevention strategies

## Types of Equipment

Extinguishers, hydrants, sprinklers, alarms and PPE

## Practical Handling

Hands-on drills: extinguisher use, hose operation and simulated responses

## Evacuation & Rescue

Evacuation plans, patient-moving protocols and coordination with civil services

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## Hospital Training — Modular Operation Theatre


Focused practical training to ensure safe and efficient theatre operations aligned with clinical standards.

- Nursing & patient ethics
- Patient care & bedside assistance
- Medication administration & clinical skills
- Emergency care and aseptic technique


# Operation & Maintenance — PSA Oxygen Plant

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## 1. Introduction to PSA

Principles of Pressure Swing Adsorption and applications in hospital oxygen supply
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## 2. Components & Functions

Compressors, adsorption towers, valves, dryers and instrumentation
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## 3. Plant Operation

Start-up/shutdown procedures, monitoring and performance optimisation
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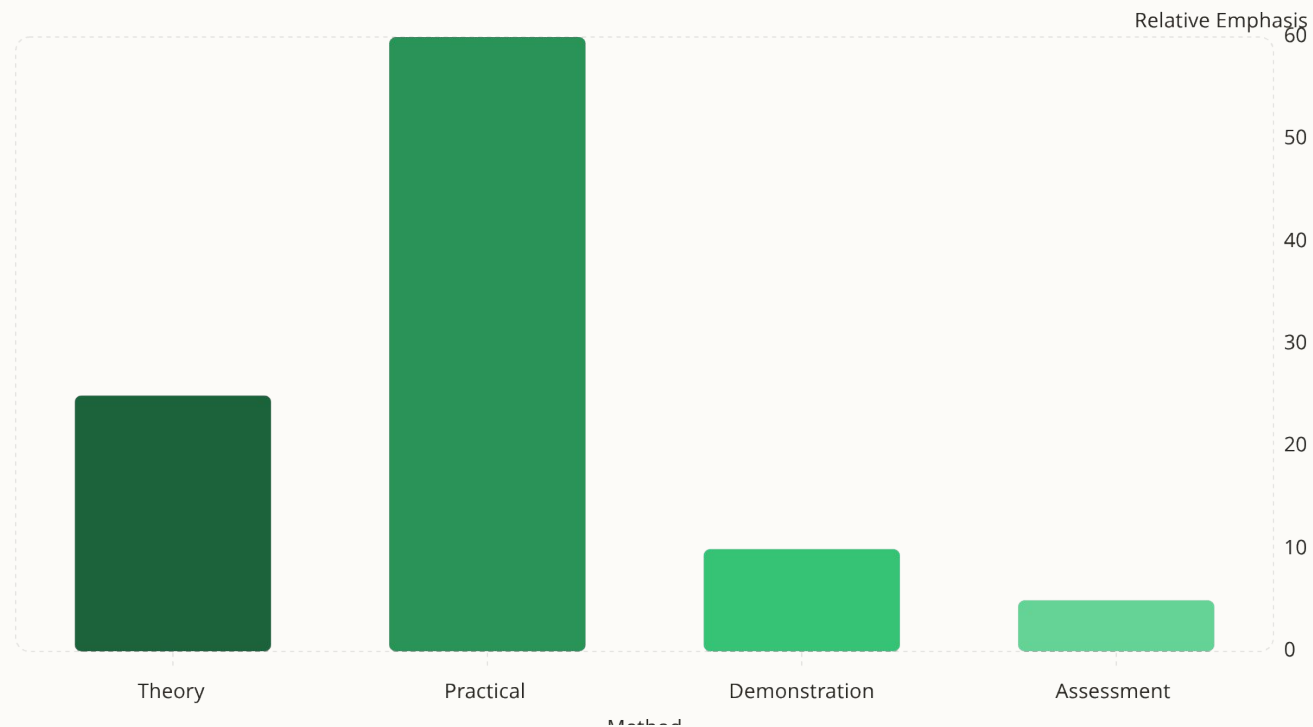
## 4. Maintenance & Troubleshooting

Routine checks, preventive maintenance and fault diagnosis
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## 5. Safety & Emergency Management

Oxygen hazard control, alarm protocols and rapid response plans

# Training Methodology



Our pedagogy combines classroom instruction with extensive hands-on practice and simulated scenarios. Key features:

- Theory + practical training with competency assessments
- On-site demonstrations and supervised skill clinics
- Safety-orientated modules and industry-standard workflows
- Post-training evaluation and placement assistance where applicable

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# Certification & Compliance

Participants receive a formal certificate upon successful completion. Certificates include course details, competencies achieved and authorised signatures.



## Certification

Course completion certificate aligned to NHM competency expectations



## Quality Assurance

Training follows documented SOPs, assessments and record-keeping



## Compliance

Prepared for NHM empanelment and government review; can adapt to state-specific requirements

**Next steps:** Submission of supporting documents, schedule of training centres, trainer qualifications and proposed batch calendar on request.

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