



**BLDE (Deemed to be University)**  
Declared as (Deemed to be University) u/s 3 of UGC Act, 1956  
**The Constituent College**  
**SHRI B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE**  
**Community Medicine Post Graduate**

1. To create a skilled cadre of medical professionals having expertise in application of principles of Public Health, Community Medicine and applied epidemiology, contributing meaningfully in formulating National Health Policies & Programmes with a systems approach for overall human development.
2. To standardize the teaching & training approaches at postgraduate level for Community Medicine.
3. Research: To formulate research questions, do literature search, conduct study with an

**c) SPECIFIC COMPETENCIES:**

At the end of the course the student should be able to acquire the following competencies under the three domains, Cognitive, Affective and Psychomotor:

appropriate study design and study tool; conduct data collection and management, data analysis and report.

**A. Cognitive domain:** (The student should be able to):

1. Describe conceptual (and applied) understanding of Public Health, Community Medicine, clinical and disease-oriented approach, preventive approach & health promotion & disease control.
2. Have knowledge about communicable and non communicable diseases, emerging and re-emerging diseases, their epidemiology, control and prevention.
3. Apply the principles of epidemiology, health research and Bio-statistics, application of qualitative research methods, measurement of risk and other relevant health and morbidity indicators.
4. To describe nutritional problems of the country, role of nutrition in health and disease, describe common nutritional disorders, develop nutrition plan for an individual based on his requirements and with concerns to special situations if applicable & plan comprehensive programme to address issue of malnutrition in a given area for a specific group.
5. To describe the concept of Environmental Health and its various determinants, identify environmental health issues in a given area/community, assess impact of adverse environmental conditions on health of human beings, plan awareness programmes at various levels on environmental issues and mobilize community resources and participation to safeguard from local adverse environmental conditions, should be able to provide technical advice for water purification, chlorination, installing gober gas plant, construction of soakage pits etc. & be a technical expert to advice on protection measures from adverse environmental exposure.

  
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6. To describe the working of Primary Health Care system, Panchayat Raj system, National Health Programmes, urban/rural differences, RCH, Demography and Family Welfare.
7. Do orientation of the inter-linkage of health sector and non-health sector for promotion of Health & control and prevention of diseases.
8. Have knowledge of Health Care Administration, Health Management and Public Health Leadership & have familiarity with administrative procedures and protocols. Understand and express implications of 'Poverty Line', 'Social Inclusion', 'Equity', 'taxations', 'Insurance' on Health care management
9. To describe Health Policy & Plans, Medical Education technology, Information Technology and integration of alternative Health system including AYUSH & have knowledge about role of media and its use in health.
10. To describe the intricacies of Social & Behavioral sciences and their applications & Identify behavior pattern of individual or group of individuals detrimental or adversely affecting their health.
11. To describe & create awareness about various Public Health Legislations.
12. To understand and describe International Health & Global Diseases surveillance & Develop workable interventions for control and prevention of emerging and reemerging diseases at local, national and global level.
13. To relate the history of symptoms with specific occupation, diagnostic criteria, preventive measures, identification of various hazards in a specific occupational environment and legislations
14. To keep abreast of recent advances in Public Health & formulate feasible, optimal, sustainable, cost effective strategies in response to the advances in public health & development.
15. To describe the principles of Health Economics and apply it in various public health settings & evaluate cost effectiveness and cost benefits of a Health Program.
16. To explain and correlate common health problems (medical, social, environmental, economic and psychological) of urban slum dwellers, organization of health services in urban slum areas.
17. Define and identify vulnerable, under-privileged high risk communities and their special needs.
18. To categorize hospital waste and be able to guide for proper disposal.
19. To provide a comprehensive plan for disaster management and mitigation of sufferings

**B. Affective domain:**

1. Should be able to function as a part of a team, develop an attitude of cooperation with colleagues and interact with the patient and the clinician or other colleagues to provide the best possible diagnosis or opinion.
2. Always adopt ethical principles and maintain proper etiquette in dealings with patients, relatives and other health personnel and to respect the rights of the patient including the right to information and second opinion.

Develop communication skills to word reports and professional opinion as well as to interact with patients, relatives, peers

**C. Psychomotor domain:**

The student should be able to perform independently the following:

1. Conduct community surveys for assessment of health & morbidity profile, epidemiological determinants, assessment of health needs, disease surveillance, evaluation of health programmes and community diagnosis.
2. Conduct outbreak investigations, do spot maps predict disease trends, preparation of reports, planning and implementation of control measures.



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3. Demonstrate clinical skills of preparing case history, examination, provisional diagnosis, treatment and clinical case management and interpretation of laboratory findings. Conduct common procedures such as incision, drainage, dressings & injections.
4. Do data collection, compilation, tabular and graphical presentation, analysis and interpretation, applying appropriate statistical tests using computer-based software application for validation of findings.
5. Conduct epidemiological research studies to establish cause-effect relationships in elaborating the epidemiology of diseases and health events.
6. Develop appropriate IEC Material, assessment of community communication needs, training skills, counselling skills, conduct Health Education Programmes in urban and rural settings.
7. Conduct dietary surveys, assessment of nutritional status, nutritive values of common food menus, detection of food adulterants, use of lactometer, recording and interpretation of growth and development charts.
8. Use and apply various instruments and processes concerned with environmental health and biological waste management eg. waste collection, segregation and disposal as per protocols, needle-disposers, disinfection procedures. Also use of Dosimeters, Kata / Globe Thermometer, Slings Psychomotor, Gobar Gas Plant, Soakage pit, Solar Energy, functioning of ILRs, Deep Freezers, Cold Boxes, Vaccine Carriers.
9. Identify different types of mosquitoes, detect vector breeding places and orientation of the methods of elimination of breeding places and placement of mosquito proof water tank.
10. Conduct clinical screening of various diseases and organize community health camps involving community participation in urban and rural settings. Use of Snellen charts for vision, Ishihara's chart for colour blindness, tourniquet tests for dengue diagnosis in fever, BMI and other physical measurements of infants, children and adults, copper-T insertions, preparation of pap smear etc.
11. Conduct tests for assessment of chlorine demand of water (Horrock's Apparatus), procedure of well-water and urban water-tank chlorination, assessment of chlorination levels, physical examination of water, methods of domestic water purification & orientation in use of water filters.
12. Prepare health project proposals with budgeting based on the project objectives.

**Miscellaneous skills:** (The student should be able to)

1. Devise appropriate health education messages for public health awareness using various health communications strategies.
2. Identify family level and community level interventions and facilitate the implementation of the same e.g. food hygiene, food storage, cooking demonstrations, community kitchen, kitchen garden, empowerment of women for promoting nutritional health etc.
3. Demonstrate counseling skills for family planning services.
4. Plan and execute BCC strategy for individuals.
5. Conduct measurement of occupational exposure to harmful influences.
6. Diagnose occupational hazards and undertake surveys to identify occupational exposures as and when necessary.
7. Elicit appropriate response at individual and community level to prevent occupational hazards including IEC activities at different levels.
8. Use modern IT applications especially internet & internet-based applications



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