

## **Bachelor of Vocation – Healthcare Management (Semester -2)**

### **Undergraduate Curriculum Framework 2022(UGCF)**

#### **DISCIPLINE SPECIFIC CORE COURSE – DSC- 4 Medical Terminology -2**

##### **CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE**

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/Practice		
DSC-4 Medical Terminology-2	4	3	1	0	NA	Medical Terminology-1

#### **Learning Objectives**

Includes structure, recognition, analysis, definition, spelling, pronunciation, and combination of medical terms from prefixes, suffixes, roots, and combining forms.

#### **Learning outcomes**

1. Student will be able to get an understanding of Diseases and disorders of the system as mentioned in the medical terms.
2. Student will be able to guide the patients about the treatment options and diagnostic procedures as advised by the physician.
3. This subject will enhance the medical terminology vocabulary of different conditions and treatment methods of organ system which is required at Front office and radiology department to guide the patients.

#### **Syllabus**

##### **Unit-1(10 Hours)**

General Terminology (procedures, diseases, treatment) related to following body system- Circulatory System- procedures, diseases, treatment.

##### **Unit-2(10 Hours)**

Digestive System- procedures, diseases, treatment.

### **Unit-3(10 Hours)**

Respiratory system- procedures, diseases, treatment.

### **Unit-4(5 Hours)**

Urinary System- procedures, diseases, treatment.

### **Unit-5(10 Hours)**

Obstetrics & Gynaecology- procedures, diseases, treatment.

#### **Practical component (if any) -**

**N/A**

#### **Essential/recommended readings**

1. Bharadwaj,K.(2021).Medical Terminology-Al iving language.Emmess Medical Publishers.
2. Gyllys,B.A., & Wedding, M.E.(2017).Medical terminology systems: A body systems approach(8<sup>th</sup> ed.).F.A.Davis Company.

#### **Suggestive readings**

1. Reference texts and online Materials.
2. STEDMAN'S Medical Dictionary

**Note:** Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.

## **Bachelor of Vocation – Healthcare Management**

### **Undergraduate Curriculum Framework 2022(UGCF)**

#### **DISCIPLINE SPECIFIC CORE COURSE – DSC- 5 : Medical Software Applications-1**

##### **CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE**

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
DSC-5 Medical Software Applications-1	4	3	1	0	NA	NA

#### **Learning Objectives**

1. Basic Understanding of functioning of computers & its application in healthcare with a perspective on Hospital operations
2. Create basic awareness on healthcare record systems and infrastructure.

#### **Learning outcomes**

1. Student will get the basic understanding and awareness about the software being used in hospital.
2. Awareness of modules being used in different departments will help the student to work efficiently on the Systems.

#### **Syllabus**

##### **Unit-1 (10 Hours)**

Introduction to HIS , Concept of HIS , Role of HIS , Characteristics of HIS & Pre- Requisites of HIS .

##### **Unit-2 (5 Hours)**

Need & Importance of HIS .

### **Unit-3(5 Hours)**

Electronic Health Record (EHR) Vs Manual Records .

### **Unit-4(10 Hours)**

Computerized Patient Record System (CPRS).

### **Unit 5(15 Hours)**

Modules used in HIS :-Front office Module in HIS – Introduction, Process of Registration, admitting, billing, discharging of Patient, bed management system, OP & IP modules: Financial Management Module – Introduction to Tally: Management Information System ; OT Management System ; Lab Management and reporting System.

#### **Practical component (if any) –**

N/A

#### **Essential/recommended readings**

1. Kelkar, S.A.(2010).Hospital Information Systems: A concise study. Prentice-Hall of India Pvt. Ltd. .
2. Sodhi, J. S., & Sodhi, A. (2018). Hospital information systems: Concepts, cases & applications. Jaypee Brothers Medical Publishers.
3. Sinha, R. K. (2014). Health management information systems. CBS Publishers & Distributors.

#### **Suggestive readings**

1. Kumar, S., & Gupta, P. (2016). Health information technology in hospitals. Excel Books.
2. Bali, R., & Dwivedi, A. (2012). Healthcare information systems: Management perspectives. Springer India.
3. Business Journals, case studies & Hospital system.

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## **Bachelor of Vocation – Healthcare Management**

### **Undergraduate Curriculum Framework 2022(UGCF)**

#### **DISCIPLINE SPECIFIC CORE COURSE –DSC- 6: Planning of Hospital Functions**

##### **CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE**

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/Practice		
DSC-6 Planning of Hospital Functions	4	3	1	0	NA	NA

#### **Learning Objectives**

After completion of the module student should be able to describe all aspects of planning and commissioning of different types of hospital including specialty hospitals and project management.

#### **Learning outcomes**

1. Student will understand the planning aspects of the hospital and various departments.
2. The subject will help the students to understand the basic principles of designing the hospital and make them future ready to plan hospitals of different bed capacities.

#### **Syllabus**

##### **Unit-1(5 Hours)**

Changing health care concept in planning / designing.

##### **Unit-2 (5 Hours)**

Site surveys for planning a hospital (Techno-Commercial) .

### **Unit-3 (10 Hours)**

Hospital building, architectural patterns, landscaping, Internal arrangements, sanitation, lighting, ventilation and traffic control, Green Field & Brown Field Hospital Project .

### **Unit-4 (15 Hours)**

Planning of Hospital-Planning of 30,100,250 bedded hospital (general/specialty) ;

Planning of 500, 750 and above bedded hospital (teaching/super-specialty/non-teaching specialty hospitals) .

### **Unit-5 (10 Hours)**

Project cost and total budget: Feasibility and viability study of Hospital , Project conceptualization, functional requirements & Implementation .

#### **Practical component (if any) –**

N/A

#### **Essential/recommended readings**

1. Kundurs, G.D.(2004). Hospitals: Facilities Planning & Management.Tata McGraw-Hill Publishing Company Ltd.
2. Gupta, S. (2014). Hospital planning and management. Jaypee Brothers Medical Publishers.
3. Ramani, K. V. (2006). Hospital management (2<sup>nd</sup> ed.). Tata McGraw-Hill Education.
4. Bajaj, J. S. (2005). Hospital administration and planning. Arya Publishing Company.

#### **Suggestive readings.**

1. Sakharkar,B.M.(2024).Principles of Hospital Administration and Planning(2<sup>nd</sup> ed.,) . Jaypee Brothers Medical Publishers.
2. Textbooks, and on-line reference and training Materials

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