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HEALTHCARE FACILITY DESIGN PROFESSIONAL

HFDP OVERVIEW

ONLINE PROFESSIONAL COURSES LED BY THE WORLD'S TOP SPECIALISTS

ONLINE TRAINING BY KRISHNAJI PAWAR

LEED AP(BD+C),GSAS CGP,GCP,ISO 14001

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KNOWLEDGE IS POWER

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MODULE 2

General Elements of Healthcare

KRISHNAJI PAWAR - CEO & FOUNDER

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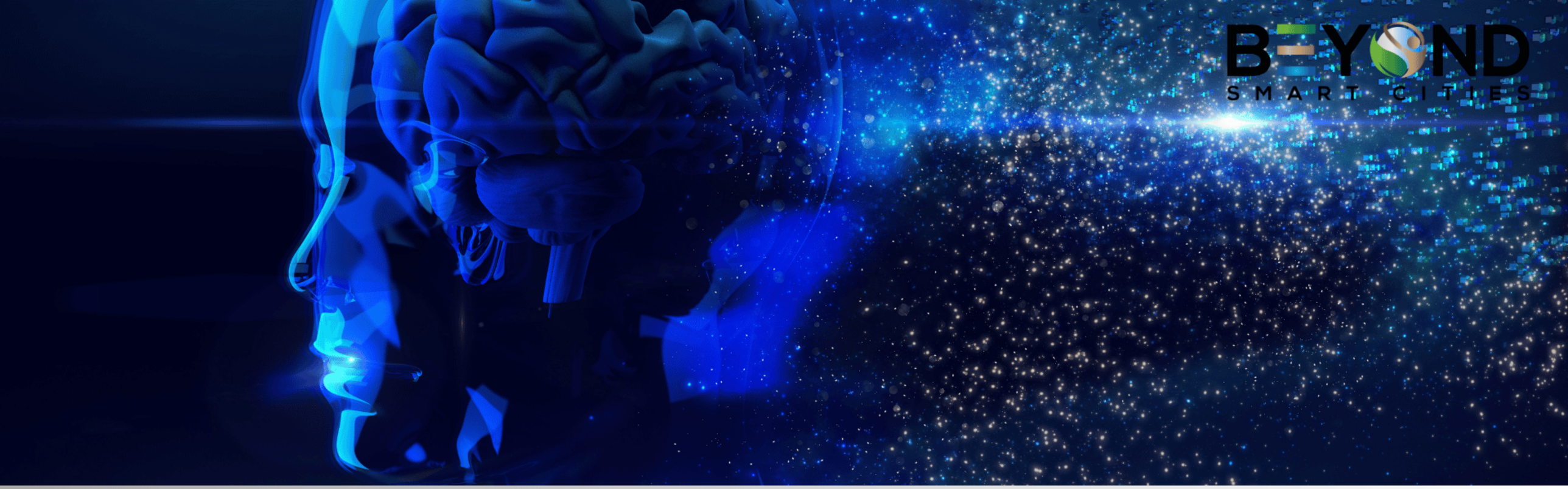

HEALTHCARE FACILITY DESIGN PROFESSIONAL HFDP OVERVIEW

Healthcare services are essential for promoting, restoring, and maintaining health through various interventions. These services can be categorized into preventive services, curative services, rehabilitative services, and palliative care. The healthcare workforce comprises a diverse group of professionals, including physicians, nurses, and allied health professionals.

Learning Objectives

- Introduction and Course Outline
- General Elements of Healthcare
- Health and built environment
- Health Care HVAC System Design Standards and Guidelines
- Certified Healthcare Facility Design Specialist Certification
- Testing, Balancing, and Commissioning
- Summary and Resources
- HFDP Practice Test V.4.1_Test Your Knowledge

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INTRODUCTION

- Preventive Services: Includes vaccinations, screenings, and wellness checks to prevent diseases.
- Curative Services: Focus on diagnosing and treating existing health conditions.
- Rehabilitative Services: Help individuals regain their functional abilities after an illness or injury.
- Palliative Care: Provides relief from the symptoms and stress of serious illnesses.

HEALTHCARE WORKFORCE +

- Includes physicians, nurses, and allied health professionals.
- Physicians diagnose and treat illnesses, nurses provide direct care, education, and support, and act as a bridge between patients and the healthcare system.
- Allied Health Professionals include pharmacists, radiologists, and physical therapists.

Technology in Healthcare

- Electronic Health Records (EHRs): Facilitate the digital storage and sharing of patient information.
- Telemedicine: Enables remote consultations, especially in rural or underserved areas.
- Medical Devices and Wearables: Provide real-time data on patients' health conditions.

HEALTHCARE FINANCING AND INSURANCE +

- Health Insurance: Covers medical service costs, reducing the financial burden on patients.
- Out-of-Pocket Expenses: Costs that patients must pay directly, such as deductibles, copayments, and coinsurance.

Regulatory Framework and Policies

- License and Accreditation: Ensures that healthcare providers and institutions meet specific standards to operate legally.
- Public Health Policies: Aim to improve population health through disease prevention, health promotion, and health education.

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IDENTIFYING AND INCORPORATING STAKEHOLDERS IN HEALTHCARE PROJECTS

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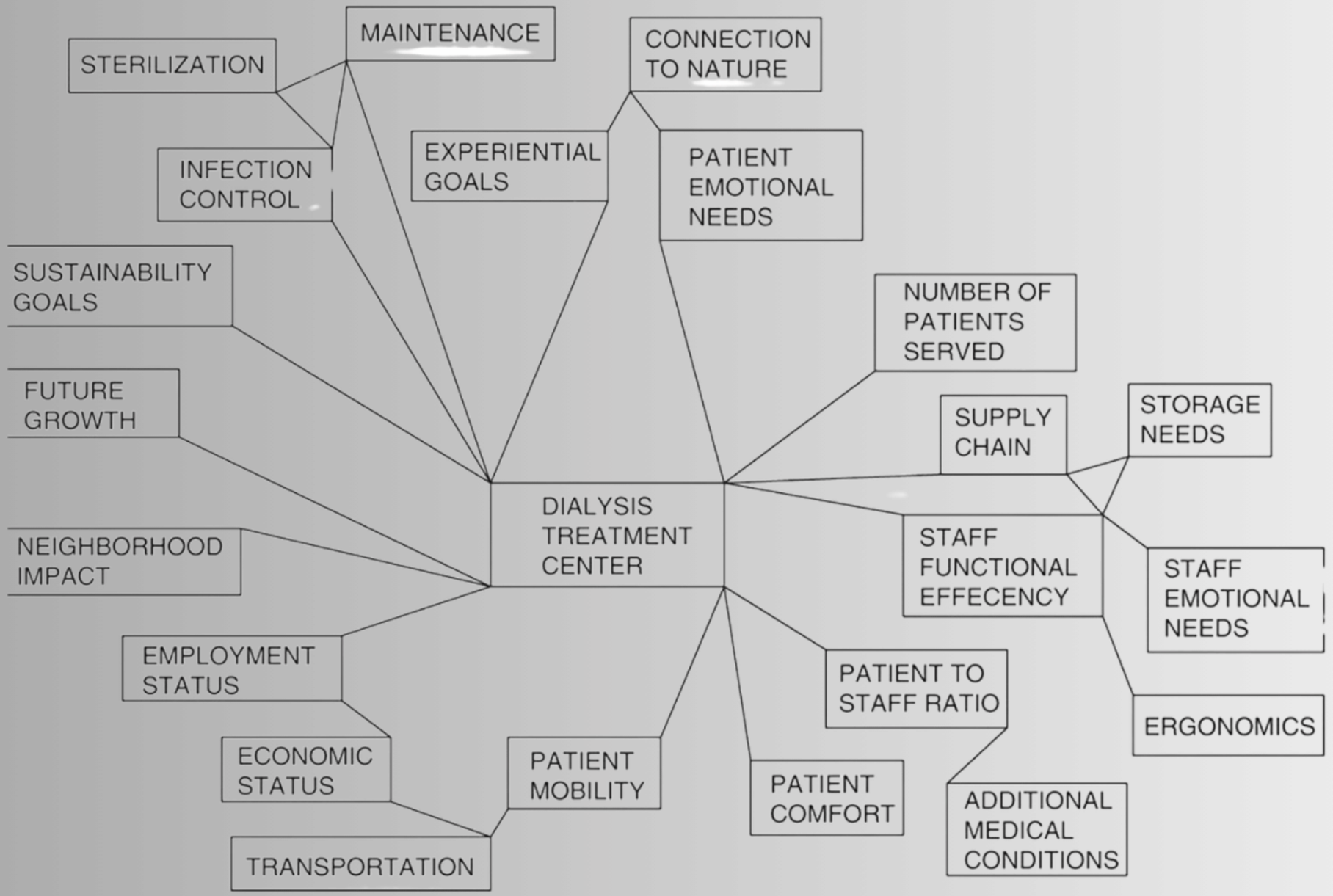
- Stakeholders include individuals, groups, or agencies that could affect the project or its design.
- In healthcare, stakeholders include providers, staff, patients, families, administration, owners, designers, engineers, equipment dealers, contractors, neighbors, government officials, the community, donors, or associated outpatient centers.
- Identifying stakeholders is a collaborative process that involves research and collaboration.
- This process can result in a list or a chart or map, illustrating relationships and areas of concern.
- A diverse interdisciplinary team is assembled to represent the broad perspective of stakeholders.
- Creative problem-solving requires interdisciplinary examination, research, and design.

SAMPLE OF STAKEHOLDER MAPPING.



THE ROLE OF THE BUILT ENVIRONMENT IN HEALTHCARE

- Space Planning and Adjacencies: Properly arranging spaces can save time and energy, enabling optimal room and function arrangement.
- Travel Distances: Collaborating and observing the facility's movements can reduce travel distances, enhancing efficiency and reducing physical stress on providers.
- Daylight and Views for Everyone: Providing daylight and views to as many people as possible can enhance the aesthetic and functional aspects of the facility.
- Break Spaces and Areas of Respite: Providing private areas for private phone calls or outdoor access can provide respite and reduce stress levels.
- The built environment's primary purpose is to support, protect, and provide refuge for all occupants.

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INTERNATIONAL GREEN BUILDING RATING SYSTEMS: LEED CERTIFICATIONS & ACCREDITATION

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- Developed by the U.S. Green Building Council (USGBC), a globally recognized framework for assessing building performance.
- Aims to minimize environmental impact while enhancing occupants' quality of life.
- Four levels of LEED certification: LEED Certified, LEED Silver, LEED Gold, and LEED Platinum.
- Rating systems tailored to different types of projects.
- Achieving LEED certification is systematic, divided into registration, application, review, certification decision, and post-certification.
- Professional accreditation offered to individuals with expertise in sustainable building practices.
- LEED certifications and professional accreditation represent significant milestones in sustainable building practices.

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THANK YOU