

NAAC Criterion 1: Curricular Aspects

1.3 Curriculum Enrichment

1.3.2: Number of value-added courses offered during the last five years that impart transferable and life skills.

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Brochure or any other document related to value-added course/s



1.3.2_SYLLABUS FOR VALUE ADDED COURSES

Computer Skills for Medical Students: Syllabus

Course Overview

This course aims to equip medical students with essential computer skills necessary for effective data management, research, and clinical practice. The syllabus covers basic computer skills, data management, and specialized software commonly used in medical settings.

Week1: Introduction to Computers and Software

- **Objective:** Understand basic computer operations and software tools.
- **Topics:**
 - Overview of Computer Hardware and Software
 - Introduction to Operating Systems (Windows, macOS)
 - Basic Troubleshooting and Maintenance
 - Essential Software (Word Processors, Spreadsheets, Presentation Software)

Week2: Medical Data Management

- **Objective:** Learn to manage and analyze medical data.
- **Topics:**
 - Introduction to Electronic Health Records (EHR) Systems
 - Data Entry and Retrieval in EHR Systems
 - Privacy and Security of Patient Data (HIPAA Compliance)
 - Basic SQL for Querying Databases

Week3: Medical Imaging and Analysis

- **Objective:** Gain skills in handling and interpreting medical imaging data.
- **Topics:**
 - Introduction to Medical Imaging Technologies (MRI, CT, X-ray)
 - Basic Image Processing Techniques
 - Software Tools for Viewing and Analyzing Medical Images (e.g., DICOM Viewers)

Week4: Evidence-Based Medicine and Research Tools

- **Objective:** Utilize computer tools for research and evidence-based practice.
- **Topics:**
 - Introduction to Medical Research Databases (PubMed, Cochrane Library)
 - Systematic Reviews and Meta-Analyses
 - Citation Management Tools (End Note, Zotero)
 - Data Analysis Software (e.g., SPSS, R)

Week5: Clinical Decision Support Systems

- **Objective:** Understand the use of decision support tools in clinical practice.
- **Topics:**
 - Overview of Clinical Decision Support Systems (CDSS)
 - Integration of CDSS with EHRs
 - Case Studies and Examples of CDSS in Practice

Week6: Telemedicine and Remote Patient Monitoring

- **Objective:** Explore technologies for remote patient care.

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- Topics:
 - Introduction to Telemedicine Platforms
 - Remote Patient Monitoring Tools
 - Best Practices for Telemedicine Consultations
 - Legal and Ethical Considerations

Week7: Health Informatics and Big Data

- **Objective:** Understand the role of informatics and big data in healthcare.
- Topics:
 - Basics of Health Informatics
 - Big Data in Health care: Concepts and Applications
 - Data Visualization Techniques
 - Case Studies on Informatics Innovations

Week8: Advanced Topics and Future Trends

- **Objective:** Explore emerging technologies and their implications for medicine.
- Topics:
 - Artificial Intelligence and Machine Learning in Healthcare
 - Block chain for Health Data Security
 - Future Trends in Medical Technology

Week9: Practical Applications and Hands-On Projects

- **Objective:** Apply learned skills in practical scenarios.
- Activities:
 - Hands-On Workshops with EHR Systems
 - Medical Data Analysis Project
 - Simulation of Telemedicine Consultations


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Week10: Review and Assessment

- **Objective:** Review the course content and assess understanding.
- Activities:
 - Review Sessions and Q&A
 - Practical Assessments and Simulations
 - Final Exam and Project Presentations

Resources and Materials

- Recommended Textbooks and Articles
- Access to Medical Data bases and Software Tools
- Online Tutorials and Workshops

Evaluation and Grading

- Participation and Attendance
- Practical Assignments and Projects
- Midterm Exam
- Final Exam and Project Presentation



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SPOKEN ENGLISH SYLLABUS FOR MEDICAL STUDENTS

Course Overview

This course is designed to enhance medical students' proficiency in English, focusing on medical terminology, professional communication, and academic writing skills. It aims to prepare students for effective interaction with patients, colleagues, and the broader medical community.

Week1: Introduction to Medical English

- **Objective:** Familiarize students with basic medical English terminology and concepts.
- **Topics:**
 - Overview of Medical Terminology
 - Common Prefixes, Suffixes and Roots
 - Introduction to Anatomical Terms
 - Basic Grammar and Sentence Structure Review

Week2: Medical Vocabulary and Terminology

- **Objective:** Build a robust medical vocabulary for various specialties.
- **Topics:**
 - Medical Terminology by Body Systems (e.g., cardiovascular, respiratory)
 - Diagnostic and Treatment Terms
 - Drug Names and Their Usage
 - Abbreviations and Acronyms in Medicine

Week3: Reading Comprehension and Interpretation

- **Objective:** Improve skills in understanding medical texts and literature.
- **Topics:**
 - Reading Medical Journal Articles
 - Understanding Medical Research Papers
 - Case study Analysis
 - Identifying Key Information and Data

Week4: Writing Skills for Medical Contexts

- **Objective:** Develop proficiency in writing medical documents.
- **Topics:**
 - Writing Patient Histories and Case Reports
 - Crafting Clear and Concise Medical Notes
 - Writing Referrals and Discharge Summaries
 - Structuring Research Papers and Literature Reviews

Week5: Professional Communication

- **Objective:** Enhance oral and written communication with patients and professionals.
- **Topics:**
 - Conducting Patient Interviews
 - Communicating Diagnoses and Treatment Plans
 - Professional Email and Report Writing
 - Presenting Medical Cases and Research

Week6: Clinical Documentation and Reporting

- **Objective:** Master the skills needed for accurate clinical documentation.


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- **Topics:**
 - Documenting Patient Encounters
 - Writing SOAP Notes (Subjective, Objective, Assessment, Plan)
 - Legal and Ethical Aspects of Documentation
 - Electronic Health Records(EHR)Practices

Week7: Medical Presentations and Public Speaking

- **Objective:** Develop skills for presenting medical information effectively.
- **Topics:**
 - Creating Power Point Presentations for Medical Topics
 - Techniques for Effective Public Speaking
 - Handling Questions and Discussions
 - Case Study Presentations

Week8: Inter professional Communication

- **Objective:** Learn to communicate effectively with other health care professionals.
- **Topics:**
 - Understanding Roles in Health care Team
 - Inter professional Collaboration and Communication
 - Case Conference Participation
 - Handling Conflicts and Negotiations

Week9: Cultural Competence and Sensitivity

- **Objective:** Enhance communication skills with diverse patient populations.
- **Topics:**
 - Understanding Cultural Differences in Healthcare
 - Communicating with Non-English Speakers
 - Using Interpreters and Translation Services
 - Sensitivity to Cultural and Social Factors

Week10: Review and Practical Application

- **Objective:** Review key concepts and apply skills in real-world scenarios.
- **Activities:**
 - Review Sessions and Q&A
 - Simulated Patient Interviews and Documentation
 - Final Presentations and Writing Exercises
 - Assessment and Feedback

Resources and Materials

- Recommended Textbooks and Medical Dictionaries
- Access to Medical Journals and Articles
- Online Grammar and Writing Tools
- Sample Medical Documents and Case Studies

Evaluation and Grading

- Participation and Attendance
- Homework Assignments and Writing Exercises
- Midterm Exam
- Oral Presentations and Practical Simulations
- Final Exam and Project


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SOFTS KILLS COURSE FOR MBBS (UG/PG)

Soft skills refer to a set of interpersonal skills that enable someone to interact effectively and harmoniously with others. Unlike technical or hard skills, which are typically specific to a certain job or industry, soft skills are more universal and can be applied across various contexts. Here are some key soft skills:

1. **Communication:** The ability to convey information clearly and effectively, both verbally and in writing.
2. **Teamwork:** Working collaboratively with others toward a common goal, contributing ideas, and respecting diverse viewpoints.
3. **Problem-solving:** Analyzing issues, identifying solutions, and making decisions effectively.
4. **Adaptability:** Being flexible and open to change, able to adjust to new situations or challenges.
5. **Time management:** Organizing and prioritizing tasks to achieve goals efficiently.
6. **Leadership:** Inspiring and guiding others, taking initiative, and managing resources effectively.
7. **Emotional intelligence:** Understanding and managing your own emotions, as well as recognizing and responding to others' emotions.
8. **Conflict resolution:** Addressing disagreements and finding solutions that satisfy all parties involved.

Soft skills are crucial in the workplace and in personal life as they often determine how well someone can work with others, handle challenges, and achieve success. They complement technical skills and are increasingly valued by employers as essential qualities in employees.

about soft skills for medical students ChatGPT

Soft skills are particularly important for medical students, as they play a crucial role in patient care, teamwork within healthcare teams, and overall professional success in the medical field. Here are some essential soft skills for medical students:

1. **Communication:** Effective communication is vital for medical students when interacting with patients, their families, colleagues, and other healthcare professionals. This includes listening attentively, explaining medical information clearly, and showing empathy.
2. **Empathy and Bedside Manner:** Medical students need to develop empathy to understand patients' emotions, concerns, and experiences. A compassionate bedside manner helps build trust and comfort for patients during medical encounters.
3. **Teamwork:** Collaborating effectively with nurses, doctors, therapists, and other healthcare professionals is essential in providing comprehensive patient care. Medical students learn to respect diverse perspectives, contribute to team decisions, and communicate effectively within multidisciplinary teams.
4. **Professionalism:** Upholding ethical standards, maintaining confidentiality, and demonstrating integrity are critical aspects of professionalism in medicine. Medical students learn to conduct themselves with honesty, respect, and accountability.


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5. **Critical Thinking and Problem-Solving:** Medical students must analyze complex medical situations, evaluate evidence-based practices, and make informed decisions in diagnosis and treatment. Developing critical thinking skills helps in identifying and addressing patient care challenges effectively.
6. **Adaptability and Resilience:** The medical field presents unpredictable situations and challenges. Medical students must adapt to changes in patient conditions, healthcare protocols, and technological advancements while maintaining resilience in demanding environments.
7. **Time Management:** Balancing academic studies, clinical rotations, and personal commitments requires effective time management skills. Medical students learn to prioritize tasks, manage deadlines, and optimize their productivity.
8. **Patient Advocacy:** Advocating for patients' needs, preferences, and rights is essential for medical students. This includes promoting informed decision-making, ensuring access to healthcare resources, and addressing disparities in healthcare delivery.
9. **Cultural Competence:** Recognizing and respecting cultural diversity among patients and colleagues is crucial for providing culturally sensitive care. Medical students learn to navigate cultural differences, communicate effectively across cultural barriers, and tailor care plans to meet individual patient needs.
10. **Conflict Resolution:** Handling conflicts and disagreements professionally within healthcare teams is important for maintaining positive working relationships and optimizing patient care outcomes. Medical students develop skills in negotiation, mediation, and constructive feedback.

These soft skills are not only integral to becoming competent physicians but also contribute to building trust with patients, fostering positive professional relationships, and promoting personal well-being in the demanding field of medicine.




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Telugu Syllabus

Week1:Introduction to Medical Telugu

- Basics of Telugu script and pronunciation
- Introduction to medical terminology in Telugu

Week2:Medical Vocabulary Building

- Learning common medical terms and phrases in Telugu
- Practice exercises on pronunciation and usage

Week3:Doctor-Patient Communication

- Role-playing exercises in Telugu for doctor-patient interactions
- Vocabulary for medical history taking and patient examination

Week4:Medical Procedures and Instructions

- Telugu vocabulary for explaining medical procedures and treatments
- Practice dialogues on giving instructions to patients in Telugu

Week5:Medical Terminology

- Deeper dive into specialized medical terminology in Telugu
- Practice quizzes and exercises on medical terms

Week6:Reading and Writing Medical Documents

- Reading and comprehension exercises of medical texts in Telugu
- Writing practice: composing patient notes and medical reports in Telugu

Week7:Telugu for Public Health Education

- Discussing public health topics in Telugu: prevention, hygiene, nutrition
- Role of Telugu language in health education and awareness campaigns

Week8:Telugu in Telemedicine

- Vocabulary and phrases for telemedicine consultations in Telugu
- Role-playing exercises for teleconsultation scenarios

Week9:Cultural Sensitivity and Language Use

- Understanding cultural nuances in Telugu-speaking communities
- Importance of clear communication and empathy in Telugu

Week10:Ethical Considerations in Medical Telugu

- Discussing ethical dilemmas in medical communication in Telugu
- Case studies and discussions on language barriers in healthcare

Week11:Medical Telugu in Research and Education

- Telugu resources for medical research and academic writing
- Creating presentations and academic posters in Telugu

Week12:Review and Practical Applications

- Integration of Telugu language skills with medical scenarios
- Final project: Presentation or written assignment on a medical topic in Telugu

Assessment:

- Regular quizzes and vocabulary tests in Telugu
- Practical assessments: role-plays, patient communication simulations
- Final assessment: comprehensive test on medical Telugu language skills


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