



**KALINGA INSTITUTE  
 OF INDUSTRIAL TECHNOLOGY**  
 Deemed to be University UFS 3 of the UEC Act, 1986

## PREVENT IT CURRICULA @KIIT

**College Name:** School of Public Health, KIIT Deemed to be University  
**Course Name:** Awareness on Risk Management & Prevention of ABR  
**Teaching Faculty:** Himanshu Sekhar Pradhan, Dr. Sudhir Kumar Satpathy  
**Course Program:** Post graduation studies & graduation studies in Nursing  
**Type:** New

**Nature:** Optional  
**No. of Hours:** 32 Hours  
**No. of Students:** 76  
**Semester:** 3rd year Bsc  
 1st year Msc  
**Course Code:** MSN1013

### SYLLABUS

- ✓ Antibiotics use - Global & National Scenario
- ✓ Introduction to ABR
- ✓ Risks Associates with ABR
- ✓ Management of Risk of ABR
- ✓ Prevention of ABR



### TEACHING METHODOLOGY

- ✓ Lecture with PPT
- ✓ Interaction with students
- ✓ Team Based learning
- ✓ Asking questions
- ✓ You tube videos

### RECOMMENDED MATERIAL

- ✓ Protocol on Antimicrobial Stewardship in Healthcare Facilities. Ministry of health Malaysia. 2014.
- ✓ Katzung's Basic and clinical Pharmacology, 11th edition
- ✓ HL Sharma and KK Sharma's Principles of Pharmacology, 1st edition
- ✓ KD tripathi's Essentials of Medical Pharmacology, 6th edition



### SCOPE AND OBJECTIVES

- ✓ To Understand the Antibiotics use in global and national scenario
- ✓ To understand the concept of Antibiotics Resistance, its burden and various factors responsible for ABR
- ✓ To study various risks associated with ABR - at User; Prescriber; Pharmacy; manufacturer, quackery, easy access to antibiotics; nosocomial infection
- ✓ To understand various risk management and prevention measures on ABR



### EVALUATION PATTERN

- ✓ Sessional Tests
- ✓ End Term Examination



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College Name: School of Public Health, KIIT Deemed to be University  
Course Name: Risk Management & Prevention of ABR  
Teaching Faculty: Himanshu Sekhar Pradhan, Dr. Sudhir Kumar Satpathy  
Course Program: Post Graduation & Doctoral studies in Public Health  
Type: New

Nature: Optional  
No. of Hours: 36 Hours  
No. of Students: 36  
Semester: 1st sem PhD /  
3rd sem  
MPH & MHA  
Course Code: PE7012

### SYLLABUS

- ✓ Antibiotics use - Global & National Scenario
- ✓ Introduction to ABR
- ✓ Surveillance of ABR
- ✓ Understanding the risks associates with ABR
- ✓ Risks management & Prevention measures for ABR



### TEACHING METHODOLOGY

- ✓ Lecture with PPT
- ✓ Interaction with students
- ✓ Team Based learning
- ✓ Asking questions
- ✓ You tube videos

### RECOMMENDED MATERIAL

- ✓ Stefan Scwarz, Lina Maria Cavaco JS, editor. Antimicrobial Resistance in Bacteria from Livestock and Companion Animals. 1 edition. Wiley-Blackwell; 2019
- ✓ Katzung's Basix and cinical Pharmacology, 11th edition
- ✓ HL Sharma and KK Sharma's Principles of Pharmacology, 1st edition
- ✓ KD Tripathi's Essentials of Medical Pharmacology, 6th edition



### SCOPE AND OBJECTIVES

- ✓ To understand the concept of Antibiotics Resistance, its burden and various factors responsible for ABR
- ✓ To study the surveillance mechanism of ABR
- ✓ To study various risks associates with ABR - use in human, animal, release of antibiotic resides and antibiotics resistance bacteria or genes into the environment
- ✓ To understand various risk management and prevention measures on ABR



### EVALUATION PATTERN

- ✓ Sessional Tests
- ✓ End Term Examination