Executive Post Graduate Program in Medical Technology

[Cut copy paste the below para from Start to End and send it in Whatsapp]
----------Start----------

Hi, thanks for showing interest in our Post Graduate Program in Medical Technology. It was great talking to you. Here are the details regarding the course.

Duration of the course
Full Time : 12 Months

In this program, you will learn the below course

Fundamentals Courses:

1. Anatomy and Physiology
2. Medical Instrumentation and Biomedical Signals
3. Internet of things (IoT) in Healthcare
4. Product Design and Development
5. Medical Informatics
6. Manufacturing
7. Regulatory Processes For Medical Devices
8. Standards, Certifications and Accreditation

After Completing the Fundamental courses, students have to choose any one of the following 3 tracks/specializations

Specialization 1: Imaging & Radiology

1. Anatomy and Physiology
2. Medical Instrumentation and Biomedical Signals
3. Medical Informatics
4. Internet of Things (IoT) in Healthcare
5. Product Design and Development - from A to Z
6. Regulatory processes for medical devices
7. Manufacturing
8. Core and Advanced Python Programming
9. Radiology
10. Imaging and Optics
11. Medical Image Processing
12. Advanced Medical Image Processing

Specialization 2: Electronics & Instrumentation

1. Anatomy and Physiology
2. Medical Instrumentation and Biomedical Signals
3. Medical Informatics
4. Internet of Things (IoT) in Healthcare
5. Product Design and Development - from A to Z
6. Regulatory processes for medical devices
7. Manufacturing
8. Embedded C Essentials
9. Medical Embedded Systems
10. Software Verification and Validation and System Testing for Hand Code

11. Advanced Instrumentation and Signal Processing
12. Electronics System Design

Specialization 3: Product Design and Development

1. Anatomy and Physiology
2. Medical Instrumentation and Biomedical Signals
3. Medical Informatics
4. Internet of Things (IoT) in Healthcare
5. Product Design and Development - from A to Z
6. Regulatory processes for medical devices
7. Manufacturing
8. CATIA for Mechanical Engineers
9. Design for Manufacturability
10. Biomaterials
11. Implants
12. In Vitro Diagnostics

Softwares

1. C Programming
2. Anaconda
3. SQLLite
4. STM32CubeIDE
5. C/C++
6. CAD (solidworks)
7. DICOM
8. PACS
9. Python
10. MATLAB
11. LDRA Tool Suite
12. CATIA V5
13. SolidWorks

Projects in Imaging and Radiology

1. Explain Two Surgical Procedures associated with the Gastrointestinal and Urinary Systems
2. Brief Two Surgical Procedures associated with the Cardiovascular and Nervous System
3. Multi-Parameter Patient Monitoring System
4. Robotic Surgery for Kidney Transplantation
5. Design and Develop an IT based Wireless Wearable Health Monitoring System
6. Design a Hospital Management System
7. Preparing a dummy design docket as required by schedule V of the MDR urs
8. Generation of Minimum 2 Concepts of Syringe Pump
9. Development of a Total Hip Replacement System including modularity and configurations
10. English Dictionary App
11. Library Book Management System
12. AI Based Solutions for Radiology
13. Understanding Medical Imaging
14. Design and development of a Digital and Hybrid medical ultrasound Imaging System
15. Development of an innovative microscopic imaging system
16. Basic Image Processing Operations
17. Practical Image Processing

Projects in Electronics & Instrumentation

1. Explain Two Surgical Procedures associated with the Gastrointestinal and Urinary Systems
2. Brief Two Surgical Procedures associated with the Cardiovascular and Nervous System
3. Multi-Parameter Patient Monitoring System
4. Robotic Surgery for Kidney Transplantation
5. Design and Develop an IT based Wireless Wearable Health Monitoring System
6. Design a Hospital Management System
7. Preparing a dummy design docket as required by schedule V of the MDR urs
8. Generation of Minimum 2 Concepts of Syringe Pump
9. Development of a Total Hip Replacement System including modularity and configurations
10. User Interfaces for Working with “Sets”
11. Finite State Machine for Aircraft Landing Gear System
12. Static Code Review Analysis
13. Dynamic Analysis – White Box Testing

Projects in Product Design & Development

1. Explain Two Surgical Procedures associated with the Gastrointestinal and Urinary Systems
2. Brief Two Surgical Procedures associated with the Cardiovascular and Nervous System
3. Multi-Parameter Patient Monitoring System
4. Robotic Surgery for Kidney Transplantation
5. Design and Develop an IT based Wireless Wearable Health Monitoring System
6. Design a Hospital Management System
7. Preparing a dummy design docket as required by schedule V of the MDR urs
8. Generation of Minimum 2 Concepts of Syringe Pump
9. Development of a Total Hip Replacement System including modularity and configurations
10. Development and characterization of a novel biomaterial based cardiac stent for atherosclerosis treatment
11. Design a industrial product development project for bone cement preparation in the orthopedic applications

Demo videos
https://youtu.be/hI_3YEFS7gA

Description of course content
https://skill-lync.com/medical-technology-courses/executive-masters-medical-technology

Success stories
Check out the Placements of our customers at Skill Lync Success Stories.pdf
and also hear what they say about our courses at http://bit.ly/skill-lync-google-reviews**.** Visit the Project Portfolios of students placed in reputed companies after taking Skill-Lync courses-
Sarthak's skill-lync Profile : Skill-Lync
alagu's skill-lync Profile : Skill-Lync
Shubham's skill-lync Profile : Skill-Lync
Enroll right away to write your own story, and pursue your dreams with Skill-Lync!
For more information, visit www.skill-lync.com

----------End----------