ATHEENAPANDIAN'S



INTERNATIONAL CERTIFICATE COURSE

Certificate Course on Biomedical Technician

COURSE

Become a skilled biomedical technician with hands-on training.

www.biomedicalinternship.com

CERTIFICATE COURSE ON BIOMEDICAL TECHNICIAN Course Name: BIOMEDICAL TECHNICIAN Course Duration: 30 Hours Course Eligibility:

• This course is eligibility for Students, Faculty, Biomedical Professionals and Other Professional.

Course Fee: Rs 999/11.9 USD

Course Objectives:

- Understand the Fundamentals of Biomedical Engineering
- Gain Knowledge of Electrical & Electronic Principles in Medical Devices
- To get knowledge about Biomedical Instrumentation and Sensors
- Explore Biomaterials and Their Applications:
- Understand Drug Delivery Systems and Nanomedicine
- Learn the Basics of Tissue Engineering and Regenerative Medicine
- Explore Biomedical Data and Digital Health
- Ensure Understanding of Regulatory Compliance and Quality Control
- Explore Emerging Technologies in Biomedical Engineering

Course Benefits:

- Comprehensive Foundation in Biomedical Engineering
- Deep Understanding Concept of biomedical engineering
- Get Knowledge about biomedical recent technology and its applications
- Understanding of Regulatory and Quality Control Standards
- Career Advancement Opportunities

Course Coverage:

1. Introduction to Biomedical Equipment

- Overview of Biomedical Engineering
- Key areas of biomedical engineering
- Roles and responsibilities of a Biomedical Technician
- Ethics and regulations in biomedical practice
- Types of biomedical equipment used in hospitals
- Career opportunities and industry trend

2. Electrical & Electronic Principles for Medical Devices

- Basic electrical circuits and components
- Troubleshooting techniques for electronic components
- Electrical safety standards and best practices in a hospital setting

3. Biomedical Instrumentation and Sensors

- Sensors in Biomedical Devices: Types of sensors (pressure, temperature, optical, biosensors) used in diagnostics and monitoring.
- Signal Processing and Instrumentation: Principles of data acquisition, filtering, and analysis in biomedical systems.
- Wearable and Portable Medical Devices: Trends in miniaturization and IoT-based healthcare monitoring.

4. Biomaterials

- Introduction to biomaterials
- Types of biomaterials (metals, polymers, ceramics, composites)
- Applications in medical devices, implants, and tissue engineering

5. Tissue Engineering and Regenerative Medicine

- Basics of tissue engineering and scaffold design
- Cell culture techniques
- 3D bioprinting of tissues

6. Drug Delivery Systems

- Controlled and targeted drug delivery methods
- Nanomedicine and nanoparticles for drug delivery
- Hydrogels, microchips, and implantable devices
- Applications in cancer therapy and chronic disease management.

S.No	Date	Day	Topics
			Objectives: Understand the Basics of Biomedical Engineering (2 hours)
			Introduction to Biomedical Equipment -
	11/4/2024	Monday	Overview of Biomedical Engineering
1			Key areas of biomedical engineering
I			Roles and responsibilities of a Biomedical Technician
			Activities: Analyze real-life scenarios where biomedical engineers/technicians resolved equipment failures.
			Assesments: Mcq Test through online
	11/5/2024	Tuesday	Objectives: Explore Biomedical Equipment (2 hours)
			Ethics and regulations in biomedical practice
			Types of biomedical equipment used in hospitals
2			Career opportunities and industry trends
			Activities: Facilitate discussions on the evolution of biomedical engineering an its impact on patient care.
			Assesments: Quiz competition
			Objectives: Explore Electronic components (2 hours)
			Basic Electrical and Electronics circuits and components
3	11/6/2024	Wednesday	Electrical & Electronic Principles for Medical Devices
			Activities: Facilitate discussions on Definition and understanding the basics.
			Assesments: Mcq Test through online
			Objectives: Practices on Hospital setting (2 hours)
			Troubleshooting techniques for electronic components
		Thursday	Electrical safety standards
4	11/7/2024		Best practices in a hospital setting
·			Activities: Recognize various types of biomedical equipment and their
			applications
			Assesments: Quiz competition
		Friday	Objectives: Understanding Instrumental view behind the systems (2 hours)
			Biomedical Instrumentation and Sensors-Sensors in Biomedical Devices
	11/8/2024		Types of sensors (pressure, temperature, optical, biosensors) used in diagnostics and monitoring
5			Signal Processing and Instrumentation
			Principles of data acquisition, filtering, and analysis in biomedical systems
			Activities: Analyze real-life scenarios where biomedical engineers/technicians resolved equipment failures
			Assesments: Mcq Test through online
	11/11/2024	Monday	Objectives: Explore Wearable medical devices (2 hours)
			Wearable and Portable Medical Devices:
			Trends in miniaturization and IoT-based healthcare monitoring
6			Activities: Analyze real-life scenarios where biomedical engineers/technicians
			resolved equipment failures
			Assesments: Quiz competition
	11/12/2024		Objectives: Explore Wearable medical devices (2 hours)
			Introduction to biomaterials
7			Types of biomaterials (metals, polymers, ceramics, composites)
			Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market

8 11/13/2024 Wednesday Tissue engineering Activities: Gaining the industrial Tissue engineering market upgradation and its overview Assesments: Mcq Test through online 9 11/14/2024 Thursday Objectives: Explore Wearable medical devices (2 hours) Basics of Tissue Engineering Scaffold design Regenerative Medicine Cell cuture techniques Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Wcq Test through online 10 11/15/2024 Friday Regenerative Medicine Cell cuture techniques Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition 10 11/15/2024 Friday Regenerative Medicine Cell cuture techniques Activities: Get an industrial updates and technical updations behind current and future innovations Assesments: Mcq Test through online 11 11/15/2024 Monday Anomedicine and nanoparticles for drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method Nanomedicine and nanoparticles for drug delivery Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition 12 11/19/2024 Tuesday Objectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microthips, and implantable devices (2 hours) Hydrogels, microthips, and implantable devices (2 hours) Hydrogels, microthips, and implantable devices (2 hours) Hydrogels, microthydu politei 13				Objectives: Explore Wearable medical devices (2 hours)
8 11/13/2024 Wednesday Implants 11/13/2024 Wednesday Tissue engineering Activities: Caining the industrial Tissue engineering market upgradation and its overview Assessments: Meq Test through online 9 11/14/2024 Basics of Tissue Engineering Scaffold design 8 Regenerative Medicine Regenerative Medicine Regenerative Medicine 7 Regenerative Medicine So Bioprinting of Tissues So Bioprinting of Tissues 11 N1/15/2024 Friday Activities: Get an industrial updates and technical updations behind 11 N1/18/2024 Monday So Bioprinting of Tissues Controlled and taregeted drug delivery method 11	8	11/13/2024	Wednesday	
11/13/2024 Wednesday Tissue engineering Activities: Gaining the industrial Tissue engineering market upgradation and its overview (upgradation and its overview) Activities: Gaining the industrial Tissue engineering market upgradation and its overview 8 Assesments: Mcq Test through online Assesments: Mcq Test through online 9 11/14/2024 Friday Basics of Tissue Engineering 20 Edefinities: Canalyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 10 11/15/2024 Friday Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 30 30 Bioprinting of Tissues 30 Bioprinting of Tissues 11 11/15/2024 Friday Assesments: Mcq Test through online 20 Editives: Cast an industrial updates and technical updations behind current and future innovations 11 11/18/2024 Monday Friday 20 Digettives: Cast an industrial behind Drug delivery devices (2 hours) 21 11/18/2024 Monday Friday 22 Assesments: Mcq Test through online Assesments: Mcq Test through online 23 Bioprinting of Tissue Astivities: Cast an industrial behind Drug delivery d				
1 Activities: Gaining the industrial Tissue engineering market upgradation and its overview Assesments: Mcq Test through online 9 11/14/2024 Activities: Capione Wearable medical devices (2 hours) Basics of Tissue Engineering Scaffold design 9 11/14/2024 Regenerative Medicine Cell culture techniques Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition 10 11/15/2024 Fridap Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 3D Bioprinting of Tissues 11 11/15/2024 Fridap Objectives: Get an industrial updates and technical updations behind current and future innovations 11 11/18/2024 Mondap Controlled and targeted drug delivery method 11 11/18/2024 Mondap Objectives: Overview of Advanced implantable devices (2 hours) Drug Delivery Systems 12 11/19/2024 Tuesdap Objectives: Coverview of Advanced implantable devices (2 hours) 13 11/19/2024 Tuesdap Objectives: Coverview of Advanced implantable devices (2 hours) 14 11/19/2024 Tuesdap Objectives: Coverview of Advanced implantable devices (2 hours) 15 11/19/2024 Tuesdap Objectives: Coverview of Advanced implantable devices (•
1 Assessments: Mcq Test through online 9 Assessments: Mcq Test through online 9 11/14/2024 Fridsoff 11/14/2024 Thursday Regenerative Medicine Cell culture techniques Cell culture techniques Assessments: Quiz competition 10 11/15/2024 Friday Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 3D Bioprinting of Tissues 11 11/15/2024 Friday Activities: Get an industrial updates and technical updations behind current and future innovations 11 11/18/2024 Monday Activities: Get an industrial behind Drug delivery devices (2 hours) 3D Bioprinting of Tissues 11 11/18/2024 Monday Activities: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems 11 11/18/2024 Monday Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 12 11/19/2024 Monday Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 13 11/19/2024 Monday Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 14 11/19/2024 Monday				Activities: Gaining the industrial Tissue engineering market
9 11/14/2024 Dijectives: Explore Wearable medical devices (2 hours) 9 11/14/2024 Friday Regenerative Medicine Cell culture techniques Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 10 11/15/2024 Friday Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 3D Bioprinting of Tissues Activities: Get an industrial updates and technical updations behind current and future innovations 11 11/18/2024 Monday Activities: Get an industrial behind Drug delivery devices (2 hours) 11 11/18/2024 Monday Activities: Get an industrial behind Drug delivery devices (2 hours) 11 11/18/2024 Monday Controlled and targeted drug delivery method 11 11/18/2024 Monday Controlled and targeted drug delivery method 12 11/19/2024 Tuesday Objectives: Overview of Advanced implantable devices (2 hours) 12 11/19/2024 Tuesday Puplications in cancer therapy and chronic disease management 13 11/20/2024 Wednesday Objectives: Coverview of Advanced implantable devices. 13 11/20/2024 Wednesday Dipcitives: Coverview of Advanced implantable devices. </td <td></td>				
9 11/14/2024 Basics of Tissue Engineering 9 11/14/2024 Friday Regenerative Medicine Cell culture techniques Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 10 11/15/2024 Friday Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 30 Biorinting of Tissues Activities: Get an industrial updates and technical updations behind current and future innovations 11 11/15/2024 Friday Activities: Get an industrial behind Drug delivery devices (2 hours) 11 11/15/2024 Monday Objectives: Get an industrial behind Drug delivery devices (2 hours) 11 11/18/2024 Monday Controlled and targeted drug delivery method 11 11/18/2024 Monday Controlled and targeted drug delivery method 12 11/19/2024 Monday Nanomedicine and nanoparticles for drug delivery 12 11/19/2024 Monday Nanomedicine and manoparticles for drug delivery 13 11/19/2024 Monday Nanomedicine and nanoparticles for drug delivery 14 11/19/2024 Monday Dioperinting of Tisues <		11/14/2024	Thursday	
9 11/14/2024 Thursday Regenerative Medicine Cell culture techniques Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition 10 11/15/2024 Friday Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 3D Bioprinting of Tissues Activities: Get an industrial updates and technical updations behind current and future innovations Assesments: Mcq Test through online 11 11/18/2024 Monday Objectives: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method 11 11/18/2024 Monday Objectives: Get an industrial behind Drug delivery Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 12 11/19/2024 Tuesday Objectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices (2 hours) 12 11/19/2024 Tuesday Objectives: Overview of Advanced implantable devices (2 hours) 13 11/20/2024 Wednesday Objectives: Cuerus of Advanced implantable devices. Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Mcq Test through online 13 11/20/2024 Wednesday Diomedical Data and Digital Health Basics of biomedical dat				Basics of Tissue Engineering
9 11/14/2024 11/14/2024 11/15/2024 Cell culture techniques Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assessments: Quiz competition 10 11/15/2024 Friday Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 30 Bioprinting of Tissues Activities: Get an industrial updates and technical updations behind current and future innovations 11 11/18/2024 Friday Activities: Get an industrial behind Drug delivery devices (2 hours) 11 11/18/2024 Monday Objectives: Get an industrial behind Drug delivery devices (2 hours) 11 11/18/2024 Monday Controlled and targeted drug delivery method 11 11/18/2024 Monday Nanomedicine and nanoparticles for drug delivery 12 11/19/2024 Monday Sessments: Quiz competition 13 11/19/2024 Tuesday Objectives: Overview of Advanced implantable devices: (2 hours) 13 11/20/2024 Wednesday Objectives: Learn and update on Biomedical Data analysis (2 hours) 13 11/20/2024 Wednesday Discretive: Learn and update on Biomedical Data analysis (2 hours) 14 11/20/2024 Wednesday				Scaffold design
10 11/15/2024 Friday Cell culture techniques 10 11/15/2024 Friday Objectives: Overview behind Industrial 3D Bioprinting (2 hours) 30 Bioprinting of Tissues Activities: Get an industrial updates and technical updations behind current and future innovations 11 11/15/2024 Friday Objectives: Get an industrial updates and technical updations behind current and future innovations 11 11/18/2024 Monday Activities: Get an industrial behind Drug delivery devices (2 hours) 11 11/18/2024 Monday Objectives: Get an industrial behind Drug delivery devices (2 hours) 11 11/18/2024 Monday Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 12 11/19/2024 Tuesday Objectives: Overview of Advanced implantable devices (2 hours) 13 11/19/2024 Tuesday Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market 14 11/19/2024 Tuesday Applications in cancer therapy and chronic disease management 14 Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Mcq Test through online <tr< td=""><td></td><td>Regenerative Medicine</td></tr<>				Regenerative Medicine
1 ital role in Healthcare market 1 ital role in Healthcare ma	9			Cell culture techniques
1011/15/2024FridayObjectives: Overview behind Industrial 3D Bioprinting (2 hours) 3D Bioprinting of Tissues Activities: Get an industrial updates and technical updations behind current and future innovations Assesments: Mcq Test through online Objectives: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method Nanomedicine and nanoparticles for drug delivery Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition1111/19/2024TuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices. Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical Data analysis Data security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				
1011/15/2024Friday3D Bioprinting of Tissues1111/15/2024FridayActivities: Get an industrial updates and technical updations behind current and future innovations Assesments: Mcq Test through online Objectives: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method1111/18/2024MondayObjectives: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method1111/18/2024MondayActivities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1211/19/2024TuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices. Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1311/20/2024Disctives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis				Assesments: Quiz competition
1011/15/2024FridayActivities: Get an industrial updates and technical updations behind current and future innovations Assesments: Mcq Test through online1111/18/2024Appletive: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method1111/18/2024MondayDigectives: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method1111/18/2024MondayNanomedicine and nanoparticles for drug delivery Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition1211/19/2024TuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices- Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/19/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical Data analysis1311/20/2024WednesdayDisectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1411/20/2024WednesdayDisectives: Analyze real-life scenarios, how the Biomedical data analysis works				Objectives: Overview behind Industrial 3D Bioprinting (2 hours)
1111/18/2024current and future innovations Assesments: Mcq Test through online1111/18/2024MondayObjectives: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method1111/18/2024MondayNanomedicine and nanoparticles for drug delivery Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1211/19/2024TuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices.1211/19/2024TuesdayObjectives: Overview of Advanced implantable devices.1311/20/2024WednesdayObjectives: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Mcq Test through online1311/20/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1411/20/2024Objectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1411/20/2024Data security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				3D Bioprinting of Tissues
1111/18/2024Objectives: Get an industrial behind Drug delivery devices (2 hours) Drug Delivery Systems Controlled and targeted drug delivery method1111/18/2024MondayControlled and targeted drug delivery method Nanomedicine and nanoparticles for drug delivery Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition1211/19/2024FuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices- Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024Objectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1411/20/2024Dia security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works	10	11/15/2024	Friday	
1111/18/2024MondayDrug Delivery Systems Controlled and targeted drug delivery method1111/18/2024MondayNanomedicine and nanoparticles for drug delivery Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Quiz competition1211/19/2024Hugges PuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices- Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1311/20/2024WednesdayDisecurity and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				Assesments: Mcq Test through online
1111/18/2024MondayControlled and targeted drug delivery method1111/18/2024MondayNanomedicine and nanoparticles for drug deliveryActivities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare marketActivities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1211/19/2024Huggels, microchips, and implantable devices (2 hours)11/19/2024Hydrogels, microchips, and implantable devices.11/19/2024Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024Mednesday1111/20/2024Wednesday14Assessments: Urities: Complexities15Assessments: Mcq Test through online16Basics of biomedical data analysis1711/20/2024Assessments: Complexities18Assessments: Complexities19Assessments: Complexities19Assessments: Activities: Analyze real-life scenarios, how the Biomedical Data analysis (2 hours)19Biomedical Data and Digital Health19Basics of biomedical data analysis11Activities: Analyze real-life scenarios, how the Biomedical data analysis works		11/18/2024		Objectives: Get an industrial behind Drug delivery devices (2 hours)
1111/18/2024MondayNanomedicine and nanoparticles for drug delivery1111/18/2024MondayNanomedicine and nanoparticles for drug delivery1211/19/2024Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1211/19/2024TuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices-1211/19/2024TuesdayObjectives: Overview of Advanced implantable devices- Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1311/20/2024WednesdayData security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				Drug Delivery Systems
1211/19/2024Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1211/19/2024TuesdayObjectives: Overview of Advanced implantable devices (2 hours) Hydrogels, microchips, and implantable devices- Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1311/20/2024WednesdayDifectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis				Controlled and targeted drug delivery method
Image: height stateVital role in Healthcare marketAssesments: Quiz competitionAssesments: Quiz competitionImage: height stateAssesments: Quiz competitionImage: height stateImage: height stateIm	11			Nanomedicine and nanoparticles for drug delivery
12Dispectives: Overview of Advanced implantable devices (2 hours)11/19/2024Hydrogels, microchips, and implantable devices-Applications in cancer therapy and chronic disease managementActivities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare marketAssesments: Mcq Test through online0bjectives: Learn and update on Biomedical Data analysis (2 hours)Biomedical Data and Digital HealthBasics of biomedical data analysisData security and patient privacy in healthcareTelemedicine and remote monitoringActivities: Analyze real-life scenarios, how the Biomedical data analysis works				
1211/19/2024Hudrogels, microchips, and implantable devices- Applications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market Assesments: Mcq Test through online1311/20/2024WednesdapObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis Data security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				Assesments: Quiz competition
1211/19/2024TuesdayApplications in cancer therapy and chronic disease management Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024NetworkObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1311/20/2024NetworkData security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works		11/19/2024	Tuesday	Objectives: Overview of Advanced implantable devices (2 hours)
1211/19/2024TuesdayActivities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare marketActivities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare marketActivities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare market1311/20/2024WednesdayObjectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis1311/20/2024WednesdayData security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				Hydrogels, microchips, and implantable devices-
Activities: Analyze real-life scenarios, how the Biomaterials play an vital role in Healthcare marketAssesments: Mcq Test through onlineObjectives: Learn and update on Biomedical Data analysis (2 hours)Biomedical Data and Digital HealthBasics of biomedical data analysisData security and patient privacy in healthcareTelemedicine and remote monitoringActivities: Analyze real-life scenarios, how the Biomedical data analysis works	12			Applications in cancer therapy and chronic disease management
13 11/20/2024 Wednesday Objectives: Learn and update on Biomedical Data analysis (2 hours) Biomedical Data and Digital Health Basics of biomedical data analysis Data security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				
1311/20/2024WednesdayBiomedical Data and Digital Health Basics of biomedical data analysis1311/20/2024WednesdayData security and patient privacy in healthcare Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				Assesments: Mcq Test through online
1311/20/2024WednesdayBasics of biomedical data analysisData security and patient privacy in healthcareTelemedicine and remote monitoringActivities: Analyze real-life scenarios, how the Biomedical data analysis works		11/20/2024	Wednesday	Objectives: Learn and update on Biomedical Data analysis (2 hours)
13 11/20/2024 Wednesday Data security and patient privacy in healthcare 13 11/20/2024 Wednesday Data security and patient privacy in healthcare 13 Activities: Analyze real-life scenarios, how the Biomedical data analysis works				Biomedical Data and Digital Health
Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works				Basics of biomedical data analysis
Telemedicine and remote monitoring Activities: Analyze real-life scenarios, how the Biomedical data analysis works	13			Data security and patient privacy in healthcare
analysis works	15			Telemedicine and remote monitoring
Assesments: Quiz competition				
				Assesments: Quiz competition

14	11/21/2024	Thursday	Objectives: Medical Device Industrial ethics on Regukatory Compliance (2 hours)
			Regulatory Compliance & Quality Control in Healthcare
			Introduction to FDA, CE Marking
			ISO standards for medical devices
			Quality control measures for biomedical equipment
			Legal and ethical considerations in biomedical equipment management
			Activities: Discussions on current Regulatory standards and market approvals for Medical device
			Assesments: Mcq Test through online
	11/22/2024	Friday	Objectives: Medical Device Industrial ethics on Regulatory Compliance (2 hours)
15			Emerging Technologies in Biomedical Engineering
			Innovations in biomedical engineering
			Future trends and challenges in healthcare technology
			Organ-on-chip
			CRISPR, and gene editing
			Activities: Get an industrial knowledge on current and future trends
			Assesments: Final Assessment test

www.biomedicalinternship.com