



THE COCHIN COLLEGE

Koovapadam, Kochi-2

Affiliated To Mahatma Gandhi University

Re-accredited by NAAC With B+ Grade



Fourth Cycle
NAAC Accreditation 2024

Criterion 1 Curricular Aspects

1.2 - Academic Flexibility

Metric No. 1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc.

Brochure and Syllabus - 2023-2024

Submitted to



National Assessment and Accreditation Council



THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in



THE COCHIN COLLEGE

KOOVAPADAM, KOCHI-2

AFFILIATED to MG UNIVERSITY, RE-ACCREDITED WITH B+ GRADE

Department of Economics

Value Added Course

Offered of 2023-2024

☐ SUSTAINABLE DEVELOPMENT

☐ STARTUP ECOSYSTEM IN INDIA

APPLY

<https://forms.gle/zJ3ApbXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• DIGITAL MARKETING

- SOCIAL MEDIA MARKETING / ONLINE MARKETING
- WHY OUR BUSINESS NEEDS TO BE ON SOCIAL MEDIA
- WHICH SOCIAL PLATFORMS MAKE THE MOST SENSE TO USE
- HOW TO CREATE SOCIAL MEDIA GOALS
- POST OUR SOCIAL MEDIA CONTENT

MOBILE MARKETING
EMAIL MARKETING
PAY-PER-CLICK MARKETING

CREATE SOCIAL MEDIA POSTER
FACEBOOK
INSTAGRAM
TWITTER
OLX ETC.



BENEFITS OF LEARNING DIGITAL MARKETING

- DISCOVER THE PROFESSIONAL IN YOU
- EMBARK YOUR CAREER
- A WIDE RANGE OF CAREER OPTIONS
- BETTER SALARY (MOST FASCINATING ADVANTAGE OF DIGITAL MARKETING COURSE)
- FLEXIBILITY IN WORK SCHEDULE
- DEPLOYMENT OF SKILLS FROM ONE COMPANY TO ANOTHER
- EXHIBIT CREATIVITY
- EFFICACIOUS AND EXTREMELY COST-EFFECTIVE
- TRACKABLE AND MEASURABLE RESULTS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- DIGITAL MARKETING MANAGER
- SEARCH ENGINE OPTIMIZER (SEO EXECUTIVE)
- SOCIAL MEDIA MARKETING EXPERT
- CONTENT MARKETING MANAGER
- COPYWRITER
- SEARCH ENGINE MARKETER/ SPECIALIST
- INBOUND MARKETING MANAGER
- CONVERSION RATE OPTIMIZER
- WEBSITE CONTENT WRITER
- WEB DEVELOPER
- ETC.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

DEPARTMENT OF ECONOMICS ADD ON COURSE 2023-24

Course Title	STARTUP ECOSYSTEM IN INDIA (30 Hours)
Course Summary	This course is designed to provide students with a comprehensive understanding of the start-up landscape in India. The course covers key concepts of entrepreneurship, the role of start-ups in the economy, the Indian start-up ecosystem, funding and support mechanisms, and the challenges and opportunities for start-ups in India.
Course outcome	<ol style="list-style-type: none"> 1. Understand the fundamentals of entrepreneurship and the start-up ecosystem in India. 2. Understand key players and resources in Indian startup ecosystem 3. Access and leverage various funding and support mechanisms for start-ups. 4. Address legal and regulatory requirements for start-ups in India. 5. Develop practical skills for starting and managing a successful start-up.

Module	Content	Hrs
I	Module 1: Introduction to Entrepreneurship and Start-ups	5
	<ul style="list-style-type: none"> • Definition and Importance of Entrepreneurship • Types of Entrepreneurs and Start-ups 	





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

	<ul style="list-style-type: none"> • Characteristics of Successful Entrepreneurs • Role of Start-ups in Economic Development • Global and Indian Start-up Trends 	
II	<p>Module 2 : Indian Startup Ecosystem</p> <ul style="list-style-type: none"> • Overview of the Start-up Ecosystem in India • Key Players: Entrepreneurs, Investors, Incubators, Accelerators, Government Agencies • Major Start-up Hubs in India (Bangalore, Mumbai, Delhi, Hyderabad, Chennai) • Key Sectors for Start-ups in India (Tech, Healthcare, FinTech, EdTech, Agritech) • Case Studies of Successful Indian Start-up 	5
III	<p>Module 3: Funding and Support System</p> <ul style="list-style-type: none"> • Bootstrapping and Self-funding • Angel Investors and Venture Capital • Government Schemes and Policies (Startup India, Atal Innovation Mission) • Incubators and Accelerators • Crowdfunding and Alternative Funding Sources 	5
IV	<p>Module 4: Legal and Regulatory Framework</p> <ul style="list-style-type: none"> • Legal Structures for Start-ups (Proprietorship, Partnership, Private Limited Company) • Intellectual Property Rights (IPR) • Compliance and Regulatory Requirements • Labor Laws and Employment Regulations 	5





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

	<ul style="list-style-type: none"> • Taxation for Start-ups 	
V	<p>Module 5: Challenges and Opportunities for Start-ups in India</p> <ul style="list-style-type: none"> • Common Challenges Faced by Start-ups • Strategies for Overcoming Challenges • Opportunities in Emerging Sectors • Impact of Technology and Innovation • Future Trends and Predictions 	5
VI	<p>Module 6: Practical skills for startup success</p> <ul style="list-style-type: none"> • Business Plan Development • Market Research and Customer Validation • Product Development and Prototyping • Marketing and Sales Strategies • Scaling and Growth Strategies 	5
	<p>ASSESSMENT</p> <p>Class Participation and Attendance (10%)</p> <p>Quizzes and Assignments (30%)</p> <p>Case Study Analysis and Presentations (30%)</p> <p>Final Examination (30%)</p>	





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

DEPARTMENT OF ECONOMICS ADD ON COURSE 2023-24

Course Title	SUSTAINABLE DEVELOPMENT (30 Hours)
Course Summary	This course is designed to provide students with a comprehensive understanding of the principles and practices of sustainable development. The course covers key concepts, global challenges, sustainability frameworks, and practical strategies for implementing sustainable development in various sectors.
Course outcome	<ol style="list-style-type: none"> 1. understand the principles and importance of sustainable development. 2. learn about global challenges and their impact on sustainability. 3. learn about sustainability frameworks and tools. 4. understand the role of various stakeholders in promoting sustainability.

Module	Content	Hrs
I	Module 1: Introduction to Sustainable Development	5
	<ul style="list-style-type: none"> • Definition and Concept of Sustainable Development • Historical Context and Evolution • Key Principles and Pillars of Sustainability (Economic, Social, Environmental) 	





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

	<ul style="list-style-type: none"> Sustainable Development Goals (SDGs) 	
II	<p>Module 2 : Global Challenges and Sustainability</p> <ul style="list-style-type: none"> Climate Change and Environmental Degradation Resource Depletion and Biodiversity Loss Poverty and Inequality Urbanization and Sustainable Cities 	5
III	<p>Module 3: Sustainability Framework and Tools</p> <ul style="list-style-type: none"> Life Cycle Assessment (LCA) Circular Economy and Resource Efficiency Environmental Impact Assessment (EIA) Sustainability Reporting and Indicators Green Building Standards and Certifications 	5
IV	<p>Module 4: Sustainable Development in Practice</p> <ul style="list-style-type: none"> Sustainable Agriculture and Food Systems Renewable Energy and Energy Efficiency Water Management and Sanitation Sustainable Transportation and Mobility Waste Management and Recycling 	5
V	<p>Module 5: Policy and Governance for Sustainability</p> <ul style="list-style-type: none"> International Agreements and Protocols (Paris Agreement, Agenda 21) National and Local Policies for Sustainable Development Role of Governments and Institutions 	5





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

	<ul style="list-style-type: none"> Public-Private Partnerships for Sustainability 	
VI	<p>Module 6: Stakeholders and Sustainability</p> <ul style="list-style-type: none"> Role of Businesses and Corporate Social Responsibility (CSR) Community Engagement and Participation Non-Governmental Organizations (NGOs) and Civil Society Education and Awareness for Sustainable Development Future Directions and Innovations in Sustainability 	5
	<p>ASSESSMENT</p> <p>Class Participation and Attendance (10%)</p> <p>Quizzes and Assignments (30%)</p> <p>Case Study Analysis and Presentations (30%)</p> <p>Final Examination (30%)</p>	





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

Registration:

<https://forms.gle/EZbPthuhjuBdN5ZK9>

ISRO-START

GET YOUR SPACE ENTHUSIASM AN
ISRO CERTIFICATION
@THE COCHIN COLLEGE

ABOUT

- 'Space Science and Technology Awareness Training (START)'
- An initiative of ISRO and Academia
- For PG and UG science/technology students

AIM

- For generating human resources in space science and technology
- Expanding the user base of the space exploration mission
- To facilitate students in space science and technology research



INDIAN INSTITUTE OF REMOTE SENSING (IIRS)
ISRO, Dehradun



DEPARTMENT OF ELECTRONICS
The Cochin College, Kochi



Coordinator:
Dr. Paulbert Thomas
Assistant Professor,
Department of Electronics
paulbert@thecochoincollege.edu.in
+919496827278





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

PROGRAMME SCHEDULE

VENUE: SEMINAR HALL (JULY 20, 2023; 11.00 AM)

WELCOME : DR. PAULBERT THOMAS (ISRO-START COORDINATOR)

INAUGURATION & INAUGURAL ADDRESS: DR. M. GEETHA (PRINCIPAL)

FELICITATION: DR. SINDHU K. (IQAC COORDINATOR)

(11.30 AM TO 12.30 PM)

TOPIC: "INDIA'S SPACE EXPLORATION ENDEAVOUR: CONTEXT OF ISRO'S START PROGRAMME"

RESOURCE PERSON: DR. TIRTHA PRATIM DAS, DIRECTOR, SPO, ISRO HQ





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

THE COCHIN COLLEGE NODAL CENTER

ISRO-START 2024

EARN A CERTIFICATE IN SPACE SCIENCE FROM ISRO

Duration - April 24, 2024 to May 10, 2024 (Online)

Theme - Exploration of the Solar System

Register before - April 19, 2024

CURATED BY _____

DEPARTMENT OF ELECTRONICS & DEPARTMENT OF PHYSICS



Tap or Scan here



Contact
Dr. Paulbert Thomas
Coordinator, 9496827278
Dr. Sathyanarayanan K.
Assistant Coordinator, 9447217985





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Important Details

Home page of the Programme-
<https://jigyasa.iirs.gov.in/START>

No course fee

The classes will be online.

**The final computer based exam will
be offline at
The Cochin College.**

Link for student's registrations

<https://elearning.iirs.gov.in/edusatregistration/student>

Course guidelines for the students

[https://www.iirs.gov.in/iirs/sites/default/files/pdf/2024/course_guideline student START_nodal center.pdf](https://www.iirs.gov.in/iirs/sites/default/files/pdf/2024/course_guideline_student_START_nodal_center.pdf)

**Hop onboard the course WhatsApp
group at:**

[Click here](#)





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Govt. of India
Dept. of Space
Indian Space Research Organization (ISRO)

Date: July 13, 2023

Space Science Technology & Awareness Training (START) Programme - 2023
Tentative Schedule

Session No.	Date	Time	Speaker	Topic
1	July 20, 2023, Thursday	11:30-12:30; Plus 20 minutes of interaction	Dr. Tirtha Pratim Das	"India's Space Exploration Endeavour: Context of ISRO's START programme
2	July 21, 2023, Friday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. Suresh Babu	Space observations of Geosphere - Biosphere - atmosphere interactions and climate
3		15:00 to 16:00 hours; Plus 20 minutes of interaction	Dr. P. K. Mohanty	Introduction to Cosmic Rays
4	July 24, 2023, Monday	11:00 to 13:00 hours; Plus 20 minutes of interaction	Dr. Tarun Kumar Pant	Earth's Ionosphere, Magnetosphere, Sun-Earth interaction and Space Weather
5		15:00 to 16:00 hours; Plus 20 minutes of interaction	Prof Archana Bhattacharya	Earth's magnetic field & Geospace
6	July 25, 2023, Tuesday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. R.P. Singh	Introduction to Remote Sensing of Earth and planetary bodies
7		15:00 to 16:00 hours; Plus 20 minutes of interaction	Mr. Sheeju Chandran	Rockets to access the Near-Earth Space: Sounding Rockets & Launch Vehicles





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Session No.	Date	Time	Speaker	Topic
8	July 26, 2023, Wednesday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. S. A. Ilangoan	Chemistry in Space Technology
9		15:00 to 16:00 hours; Plus 20 minutes of interaction	Prof. Bhala Sivaraman	Chemistry in Space Science
10	July 27, 2023, Thursday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. K. Sankarasubramanian	The Sun
11		15:00 to 16:00 hours; Plus 20 minutes of interaction	Prof. Debabrata Banerjee	The Solar System: Formation, evolution and the present state
12	July 28, 2023, Friday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. Tirtha Pratim Das	Scientific Payload development for Solar System Exploration
13		15:00 to 16:00 hours; Plus 20 minutes of interaction	Prof. Varun Sheel	Planets in the Solar System
14	July 31, 2023, Monday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Prof. Ramananda Chakrabarti	Origin and Evolution of the Moon
15		15:00 to 16:00 hours; Plus 20 minutes of interaction	Dr. Kinsuk Acharya	Minor Bodies in the Solar System – Asteroids, Comets and Meteors
16	August 01, 2023, Tuesday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. Ritu Karidhal	Mission Design for Space Exploration





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Session No.	Date	Time	Speaker	Topic
17		15:00 to 16:00 hours; Plus 20 minutes of interaction	Dr. V. Girish	Observational Techniques for Space Science
18	August 02, 2023, Wednesday	11:00 to 13:00 hours; Plus 20 minutes of interaction	Dr. R. Niruj Mohan	Basics of Astronomy & Astrophysics
19	August 03, 2023, Thursday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. Aravind Singh Rajpurohit,	Exoplanets and Earth-like Exoplanets
20		15:00 to 16:00 hours; Plus 20 minutes of interaction	Prof. Sudha Rajamani	Introduction to Astrobiology and Search of Life Beyond Earth
21	August 04, 2023, Friday	11:00 to 12:00 hours; Plus 20 minutes of interaction	Dr. K. Praveen Kumar	Research Opportunities in Space Science and Technologies
22		15:00 to 16:00 hours; Plus 20 minutes of interaction	Prof. Tarun Sauradeep	Introduction to Cosmology
23	August 07, 2023 Monday	14:00 to 15:00 hours;	Concluding Session	





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

भारत सरकार / Government of India
अंतरिक्ष विभाग/Department of Space
भारतीय अंतरिक्ष अनुसंधान संगठन (इसरो)/
Indian Space Research Organisation (ISRO)

START-2024 Theme: [Exploration of the Solar System](#)

Meeting Testing Schedule

Date: May 02, 2024

Session No.	Date	Time	TOPIC	Speaker
	24/04/2024 Wednesday	3:00 - 3:30 PM	Inauguration	
			Setting the Context	
1	24/04/2024 Wednesday	3:30 - 4:30 PM	Introduction to Exploration of the Solar System	Dr.T.P.Das, ISRO HQ, Bangalore
			The Solar System	
2	25/04/2024 Thursday	3:30 - 4:15 PM	Introduction to the Solar System	Prof.Debabrata Banerjee, PRL, Ahmedabad
3		4:30 - 5:15 PM	The Formation of the Solar System	Prof.Kuljeet Marhas, PRL
4	26/04/2024 Friday	3:30 - 4:15 PM	The Sun: Our Star	Prof.Arnab Rai Chowdhury, IISc, Bangalore
5		4:30 - 5:15 PM	Earth and Evolution of Earth	Dr.P.Senthil Kumar, NGRI, Hyderabad
6	29/04/2024 Monday	3:30 - 4:15 PM	The Moon	Dr.Neeraj Srivastava, PRL
7		4:30 - 5:15 PM	Terrestrial Planets: Mercury, Venus, Mars	Prof. Guneshwar Thangjam, NISER, Bhubaneswar
8	30/04/2024 Tuesday	3:30 - 4:15 PM	Gas and Ice Giants: Jupiter and Saturn; Uranus and Neptune and beyond	Dr. Vrinda Mukundan, NCESS, Thiruvananthapuram
9		4:30 - 5:15 PM	Moons of the Solar System planets	Dr. Rishitosh Sinha, PRL
10	01/05/2024 Wednesday	3:30 - 4:15	Minor Bodies: Comets, Asteroids and Meteorites	Prof. Shashikiran Ganesh, PRL
11		4:30 - 5:15 PM	Meteorites: Messengers from the Solar System	Dr.Dwijesh Ray, PRL





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Session No.	Date	Time	TOPIC	Speaker
12	02/05/2024 Thursday	3:30 - 4:15 PM	Planetary Space Weather: Science and Impacts	Dr.Smitha Thampi, SPL- VSSC, Thiruvananthapuram
13		4:30 - 5:15 PM	Life in Solar System; Linkages to Exo Solar System	Dr. Yamini Jangir, IITKanpur
Indian missions to study the Solar System				
14	03/05/2024 Friday	3:30 - 4:15 PM	India's Lunar Exploration Programme	Dr.Vijayan, PRL
15		4:30 - 5:15 PM	India's Aditya-L1 Solar Observatory	Dr.K.Sankarasubramanian, URSC, Bangalore
16	06/05/2024 Monday	3:30 - 4:15 PM	India's mission to Mars	Dr.Rishitosh Sinha, PRL
Methods to study the Solar System				
17	06/05/2024 Monday	4:30 - 5:15 PM	Laboratory Analysis to understand Solar System Conditions	Prof. Bhalamurgan, PRL
18	07/05/2024 Tuesday	3:30 - 4:15 PM	Platforms for Solar System Exploration	Dr. Shamrao, URSC
19		4:30 - 5:15 PM	Mission Operations for Solar System Exploration	Smt. Nandini Harinath, ISTRAC, Bangalore
20	08/05/2024 Wednesday	3:30 - 4:15 PM	Scientific Payloads for Solar System Exploration	Dr.Mehul Pandya, SAC, Ahmedabad
21		4:30 - 5:15 PM	Telescopes for Solar System Studies	Prof. Shashikiran Ganesh, PRL
22	09/05/2024 Thursday	3:30 - 4:15 PM	Theoretical studies to understand Planetary Processes	Prof.Varun Sheel, PRL
23		4:30 - 5:15 PM	Space Transportation System for Solar System Exploration	Dr.Biju Prasad, VSSC, Thiruvananthapuram
Enabler for Future				
24	10/05/2024 Friday	3:30 - 4:15 PM	In-Situ Resource Utilisation	Dr.P.Ganesh, IPRC, Mahendragiri
25		4:30 - 5:15 PM	Enabling Technologies for Solar System Exploration	Mr. Raghu, ISRO HQ
		5:15 - 6:00 PM	Concluding Session	





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thechochincollege.edu.in

email: email@thechochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (120 HRS)



All your courses in one place.

We are the future of your career

• LOGISTICS

INDIAN MARITIME SECURITY
GENERAL MARITIME CLAIMS
TOWAGE AND PILOTAGE
SUPPLIES, REPAIRS AND DOCK CHARGES
BOTTOMRY/ADMIRALTY /MARITIME LAW
IMPORTANCE, SCOPE AND SIGNIFICANCE
SHIPPING DOCUMENTS
COMMERCIAL INVOICE
CERTIFICATES
PACKING LIST
EXPORT/ IMPORT CUSTOMS DECLARATIONS
BILLS OF LADING
ARRIVAL NOTICE
CERTIFICATE OF ORIGIN
MULTI- MODAL COMBINED
TRANSPORT DOCUMENT
BILLS OF ENTRY
DOCUMENTS FOR EXPORT AND IMPORT
LETTER OF CREDIT
MARINE INSURANCE
PRINCIPLES OF MARINE INSURANCE
MARINE INSURANCE POLICIES IN INDIA
SCOPE OF MARINE INSURANCE
COASTAL SECURITY IN INDIA
CASES, ANALYSIS AND STUDIES
SUPPLY CHAIN MANAGEMENT
PROCUREMENT PROCESS SUPPLIER
RELATIONSHIP MANAGEMENT AND CUSTOMER
RELATIONSHIP MANAGEMENT
MATERIAL REQUIREMENT PLANNING
SUPPLY CHAIN PARTNERS
LOGISTICS MANAGEMENT (WAREHOUSING AND
TRANSPORTATION)
LOGISTICS MANAGEMENT INTRO-TERMS
WAREHOUSING:
WAREHOUSE OPERATIONAL PRINCIPLES

WAREHOUSE DESIGN AND PRINCIPLES
INVENTORY MANAGEMENT
TRANSPORTATION IN LOGISTICS
PORT AND DOCKS
CONTAINER TERMINAL OPERATION AND CARGO HANDLING
PORT MANAGEMENT
VESSEL ENTRY AND CLEARANCE PROCEDURES
PORT OPERATIONS FOR INCOMING VESSELS
CONTAINER SHIP SAFE CARGO-OPERATIONS
DEPLOYMENT AND MONITORING OF MOORING
INSTRUCTION FOR DECK WATCH KEEPING IN PORT
TYPES OF SHIPPING CONTAINERS
CONTAINER STOWAGE ON CONTAINER SHIP
HANDLING DANGEROUS CARGO, BREAK BULK, AND -
OOG CARGO HANDLING OF REEFER CONTAINERS
OPERATION OF OIL TANKERS
BUNKERING, TRANSSHIPMENT, CONTAINER CRANE, AND CSI 15.
PORT DISBURSEMENT
OPERATION TERMS AND ABBREVIATIONS
GEOGRAPHY
STRUCTURE OF SHIPS
TYPES OF SHIPS
TYPES OF CARGO
INTERNATIONAL MARITIME ORGANISATION
CONTAINERIZATION
INTERNATIONAL SHIPPING MARKET
MARINE INSURANCE
MARINE SALVAGE
CHARTERING
INTL SHIPPING TERMS
COASTAL SHIPPING
HISTORICAL DEVELOPMENT IN SCM
BULL WHIP EFFECT
TOTAL QUALITY MANAGEMENT
CRM
STRATEGIC SALES PLANNING FOR SMALL BUSINESS
ENTERPRISE RESOURCE MANAGEMENT
MANAGEMENT INFORMATION SYSTEM

REVERSE LOGISTICS
MATERIAL REQUIREMENT PLANNING
THEORY OF CONSTRAINTS
LOGISTICS MANAGEMENT
WAREHOUSING
WAREHOUSE OPERATION PRINCIPLES
WAREHOUSE DESIGN AND PRINCIPLES
INVENTORY MANAGEMENT
TRANSPORTATION IN LOGISTICS
SUPPLY CHAIN MANAGEMENT
PROCUREMENT PROCESS SUPPLIER RELATIONSHIP
MANAGEMENT AND CUSTOMER
RELATIONSHIP MANAGEMENT
MATERIAL REQUIREMENT PLANNING
SUPPLY CHAIN PARTNERS

BENEFITS OF LEARNING LOGISTICS

- YOU CAN FIND STEADY WORK IN SEVERAL INDUSTRIES.
- INTERNATIONAL WORK OPPORTUNITIES
- ACCORDING TO THE BUREAU OF LABOR STATISTICS (BLS) THE JOB OUTLOOK FOR LOGISTICIANS IS POSITIVE
- THE MEDIAN ANNUAL WAGE FOR LOGISTICIANS IS \$76,270, ACCORDING TO RESEARCH PROVIDED BY THE BLS IN MAY 2020
- SEVERAL MANAGEMENT OPPORTUNITIES THROUGHOUT YOUR CAREER

JOB OPPORTUNITIES

PURCHASING MANAGER
OPERATIONS MANAGEMENT
PROCUREMENT SPECIALIST
PRODUCTION PLANNER
BUSINESS ANALYST
COMMODITIES MANAGER
INVENTORY SPECIALIST
VENDOR MANAGER
INVENTORY CONTROLLER
WAREHOUSE OPERATIONS MANAGER
SYSTEMS SUPPORT MANAGER
LOGISTICS CONSULTANT
CARGO OPERATIONS CONSULTANT
LOGISTICIAN
QUALITY MANAGER
TRANSPORT MANAGEMENT
SUPPLY CHAIN MANAGER
LOGISTICS ANALYST
WAREHOUSE MANAGER
DISTRIBUTION MANAGER
MATERIALS MANAGER
PROCUREMENT MANAGER
CARGO MANAGER CUSTOMER SERVICE MANAGER
PROCESS ASSOCIATE CONSULTANT
LOGISTICS ENGINEER

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• TALLY

BASIC ACCOUNTING - JOURNAL ENTRY
 FUNDAMENTALS OF TALLY.
 ACCOUNTING MASTERS IN TALLY.
 COMPANY CREATION ACCOUNTING AND INVENTORY MASTERS
 VOUCHER ENTRY IN TALLY.
 PURCHASE AND SALES MANAGEMENT
 ORDER PROCESSING
 INVENTORY MANAGEMENT WAREHOUSE MANAGEMENT BANKING
 MANUFACTURING PROCESS
 COST CENTERS
 STATUTORY TAXATION - BUDGET VARIANCE
 CHEQUE PRINTING
 BACK AND RESTORE
 SECURITY SYSTEM
 SPLIT COMPANY DATA
 REPORT PRINTING.
 GOODS AND SERVICES TAX (GST)
 BANK RECONCILIATION
 BACK UP & RESTORE
 EXPORT-IMPORT

SPLITTING OF COMPANY DATA
 JOB COSTING
 TAX DEDUCTED AT SOURCE
 TAX COLLECTED AT SOURCE
 PAYROLL ACCOUNTING AND COMPLIANCE
 TECHNOLOGICAL ADVANTAGES OF TALLY
 APPLICATION MANAGEMENT AND CONTROLS
 GST



BENEFITS OF LEARNING TALLY

ONE OF THE FIRST TALLY COURSE BENEFITS IS THE ACCURACY OF INFORMATION. AFTER BEING ENTERED INTO TALLY PRIME, YOUR DATA IS UNLIKELY TO BE LOST FOR ANY ILLIMITABLE REASONS

THE SECOND ONE AMONG THE TALLY COURSE BENEFITS IS INFORMATION ASSURANCE. ONCE THE DATA IS STORED INSIDE THE SOFTWARE PACKAGE, THERE IS NOT EVEN THE TINIEST POSSIBILITY OF DATA ALTERING

HELPS TO MAINTAIN THE TRUST AND CONFIDENCE THAT ARE ESSENTIAL TO THE ACCOUNTING SECTOR

THE FOURTH TALLY COURSE BENEFITS ARE THE USER-FRIENDLY EXPERIENCE.

THE FIFTH TALLY COURSE BENEFITS ARE UNCOMPLICATED DATA MOVEMENT

PROVIDING FILING ASSISTANCE FOR GST

MAKING BUSINESS EASY WITH TALLY

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

Accountants Officer
 Executive Assistant
 Accounting Clerk
 Accounting Associate
 Accounts Assistant
 Accounts Executive
 Accounts Supervisor
 Tally Operator
 Tally Accounts Manager
 Tally Accounts Executive
 Service Coordinate with Tally
 Tally Junior Accountant
 Tax Accountant
 Bookkeeper
 Investment Banker
 Financial Tally Analyst





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• DIGITAL MARKETING

- SOCIAL MEDIA MARKETING / ONLINE MARKETING
- WHY OUR BUSINESS NEEDS TO BE ON SOCIAL MEDIA
- WHICH SOCIAL PLATFORMS MAKE THE MOST SENSE TO USE
- HOW TO CREATE SOCIAL MEDIA GOALS
- POST OUR SOCIAL MEDIA CONTENT

MOBILE MARKETING
EMAIL MARKETING
PAY-PER-CLICK MARKETING

CREATE SOCIAL MEDIA POSTER
FACEBOOK
INSTAGRAM
TWITTER
OLX ETC.



BENEFITS OF LEARNING DIGITAL MARKETING

- DISCOVER THE PROFESSIONAL IN YOU
- EMBARK YOUR CAREER
- A WIDE RANGE OF CAREER OPTIONS
- BETTER SALARY (MOST FASCINATING ADVANTAGE OF DIGITAL MARKETING COURSE)
- FLEXIBILITY IN WORK SCHEDULE
- DEPLOYMENT OF SKILLS FROM ONE COMPANY TO ANOTHER
- EXHIBIT CREATIVITY
- EFFICACIOUS AND EXTREMELY COST-EFFECTIVE
- TRACKABLE AND MEASURABLE RESULTS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- DIGITAL MARKETING MANAGER
- SEARCH ENGINE OPTIMIZER (SEO EXECUTIVE)
- SOCIAL MEDIA MARKETING EXPERT
- CONTENT MARKETING MANAGER
- COPYWRITER
- SEARCH ENGINE MARKETER/ SPECIALIST
- INBOUND MARKETING MANAGER
- CONVERSION RATE OPTIMIZER
- WEBSITE CONTENT WRITER
- WEB DEVELOPER
- ETC.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (100 HRS)



All your courses in one place.

We are the future of your career

• MEDICAL CODING

INTRODUCTION TO MEDICAL CODING

ANATOMY
MEDICAL TERMINOLOGY
INTRODUCTION OF HUMAN BODY

ICD -10-CM
INTRODUCTION TO ICD - INTERNATIONAL CLASSIFICATION OF DISEASE
CONVENTIONS & GENERAL CODING GUIDELINES

CPT-CURRENT PROCEDURAL TERMINOLOGY
INTRODUCTION TO CPT
CPT MODIFIERS CLASS
GENERAL CODING GUIDELINES

HCPCS
INTRODUCTION TO HCPCS
HCPCS MODIFIERS
CODING



BENEFITS OF LEARNING MEDICAL CODING

IF YOU ARE CONSIDERING MEDICAL CODING AS A CAREER, BUT ARE STILL QUITE SCEPTICAL, THEN HERE ARE A FEW BENEFITS THAT YOU CANNOT IGNORE:

- DEMAND IS HIGH FOR CERTIFIED MEDICAL CODERS
- COMPETENT PAY PACKAGE
- A STABLE CAREER OPTION
- REMOTE WORKING OPTIONS

JOB OPPORTUNITIES

- MEDICAL CODING AND BILLING
- URGENT CARE CLINICS
- SPORTS MEDICINE CLINICS
- MENTAL HEALTH PRACTICES
- HOSPICES
- TELEHEALTH PROVIDERS
- COLLECTION AGENCIES
- RISK ADJUSTMENT VENDORS
- INSURANCE COMPANIES
- PROFESSIONAL LIABILITY COMPANIES
- FEDERAL GOVERNMENT AGENCIES
- INFORMATION TECHNOLOGY SERVICES
- LAW FIRMS
- DENTAL OFFICES
- DURABLE MEDICAL EQUIPMENT AND SUPPLY VENDORS
- PHYSICAL THERAPY CENTERS
- LONG-TERM CARE FACILITIES
- HOME HEALTH AGENCIES
- CONSULTING FIRMS
- EHR SOFTWARE VENDORS
- ACCOUNTABLE CARE ORGANIZATIONS
- WORKMAN'S COMPENSATION COMPANIES
- STATE GOVERNMENT AGENCIES
- CAREER COLLEGES
- MEDICAL BILLING SERVICE
- MEDICAL LABORATORIES
- REHABILITATION SERVICES
- CLEARINGHOUSES
- CANCER REGISTRIES
- IMAGING CENTERS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• IELTS

LISTENING

PRACTISING ALL QUESTION TYPES. (MONOLOGUES, DIALOGUE, CONVERSATION)
RECOGNISING INTONATION PATTERNS (QUESTIONS, SURPRISE ETC)
VARIETIES OF SPOKEN ENGLISH, INCLUDING AUSTRALIAN, BRITISH, NORTH AMERICAN AND NEW ZEALAND
LISTENING FOR SPECIFIC INFORMATION, KEYWORDS, GENERAL INFORMATION, NUMBERS, TRANSITION SIGNALS AND DISCOURSE MARKERS (FIRSTLY, SECONDLY, OBVIOUSLY, FURTHERMORE, INDEED).

READING

PRACTISING 3 SECTION OF READING TESTS.
SKIMMING (TO GET A GENERAL UNDERSTANDING)
SCANNING (LOOKING FOR SPECIFIC INFORMATION)
DEVELOPING VOCABULARY
SUMMARISING
DETERMINING THE WRITER'S ATTITUDE AND OPINION.

WRITING

PRACTISING ESSAY , GRAPH / DIAGRAM DESCRIPTION.
ADJUSTING STYLE ACCORDING TO PURPOSE.
WRITING PARAGRAPHS, INTRODUCTIONS AND CONCLUSIONS.
USING CONJUNCTIONS AND REFERENTS.
ORGANISING INFORMATION LOGICALLY WITHIN A TEXT.
USING EXAMPLES AND EVIDENCE TO SUPPORT AN ARGUMENT.

PEAKING

PRACTISING ALL QUESTION TYPES.
PRACTISING PRONUNCIATION AND INTONATION.
PRACTISING FLUENCY.
USING AND UNDERSTANDING COMMON PHRASES.
INTERACTING WITH OTHER SPEAKERS.
SPEAKING FOR AN EXTENDED TIME ON A PARTICULAR TOPIC.
PRACTICE HOW TO DEVELOP A CONTENT

IELTS™

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



BENEFITS OF LEARNING IELTS

BEING ABLE TO COMMUNICATE IN ENGLISH CONNECTS YOU TO A LARGER WORLD. CURRENTLY, ABOUT 20% OF THE WORLD'S POPULATION SPEAKS ENGLISH, ALTHOUGH MOST AREN'T NATIVE SPEAKERS. ENGLISH IS ALSO THE WORLD'S MOST-STUDIED FOREIGN LANGUAGE. WITH SO MANY PEOPLE STUDYING AND LEARNING ENGLISH, PROFICIENCY EXAMS LIKE IELTS HELP ADMISSIONS OFFICERS AND PROSPECTIVE EMPLOYERS TO GET AN ACCURATE PICTURE OF YOUR CURRENT ENGLISH LEVEL.

TAKING THE IELTS TEST CAN ENHANCE YOUR EMPLOYMENT PROSPECTS EXCELLENT COMMUNICATION SKILLS ARE ESSENTIAL THESE DAYS AS FIFTY-FIVE COUNTRIES HAVE ENGLISH AS THEIR FIRST LANGUAGE. DEMONSTRATING A GOOD COMMAND OF THE LANGUAGE COULD OPEN UP OPTIONS FOR YOU TO PURSUE A CAREER IN A FOREIGN COUNTRY

THE PROCESS OF PREPARING TO TAKE THE IELTS TEST WILL SIGNIFICANTLY IMPROVE YOUR ENGLISH SKILLS

IF YOU'RE TAKING IELTS ACADEMIC TO GET INTO YOUR DREAM UNIVERSITY, THE PROCESS OF STUDYING FOR THE EXAM WILL HELP YOU PREPARE FOR ACADEMIC LIFE

PROVING YOUR ENGLISH LANGUAGE SKILLS CAN HELP YOU GET A NEW JOB OR A PROMOTION IN YOUR HOME COUNTRY AND ABROAD. YOUR IELTS SCORE ON YOUR RESUME WILL SHOW FUTURE EMPLOYERS THAT YOU ARE A SERIOUS AND COMMITTED CANDIDATE.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• C++ (BSC COMPUTER APPLICATION)

ELEMENTS OF PROGRAMMING AND FUNCTION INTRODUCTION: BASIC ELEMENTS OF PROGRAMMING, CONSOLE I/O OPERATIONS, FUNCTION: FUNCTION PROTOTYPING, CALL AND RETURN BY REFERENCE, INLINE FUNCTION, DEFAULT AND CONST ARGUMENTS, FUNCTION OVERLOADING, ARRAYS, MANIPULATORS AND ENUMERATION.

CLASSES AND OBJECT ORIENTED METHODOLOGY: BASIC CONCEPTS/CHARACTERISTICS OF OOP. ADVANTAGES AND APPLICATION OF OOPS, PROCEDURAL PROGRAMMING VS OOP. CLASSES AND OBJECTS:SPECIFYING A CLASS, CREATING OBJECTS, PRIVATE & PUBLIC DATA MEMBERS AND MEMBER FUNCTIONS, DEFINING INLINE MEMBER FUNCTIONS, STATIC DATA MEMBERS AND MEMBER FUNCTIONS. ARRAYS WITHIN CLASS, ARRAYS OF OBJECTS, OBJECTS AS FUNCTION ARGUMENTS, RETURNING OBJECTS.

CONSTRUCTORS, DESTRUCTORS, OPERATORS OVERLOADING AND INHERITANCE. CONSTRUCTORS AND DESTRUCTORS: INTRODUCTION, PARAMETERIZED CONSTRUCTORS, MULTIPLE CONSTRUCTORS IN A CLASS, CONSTRUCTORS WITH DEFAULT ARGUMENTS, DYNAMIC INITIALIZATION OF OBJECTS, COPY CONSTRUCTORS, DYNAMIC CONSTRUCTORS, CONST OBJECTS, DESTRUCTORS OPERATORS OVERLOADING: DEFINITION, UNARY AND BINARY OVERLOADING, RULES FOR OPERATOR OVERLOADING. INHERITANCE: DEFINING DERIVED CLASSES, TYPES OF INHERITANCE, CONSTRUCTORS AND DESTRUCTORS IN DERIVED CLASSES.

POINTERS VIRTUAL & FRIEND FUNCTIONS AND FILE HANDLING POINTERS: POINTER TO OBJECTS, THIS POINTER, „NEW“ AND „DELETE“ OPERATORS, VIRTUAL FUNCTION, FRIEND FUNCTIONS. OPENING, CLOSING A FILE, FILE MODES, FILE POINTERS AND THEIR MANIPULATION, SEQUENTIAL INPUT AND OUTPUT OPERATIONS: UPDATING A FILE, RANDOM ACCESS, AND ERROR HANDLING DURING FILE OPERATIONS, COMMAND LINE ARGUMENTS.

BENEFITS OF LEARNING C++

C++ (OR "C-PLUS-PLUS") IS A GENERAL-PURPOSE PROGRAMMING AND CODING LANGUAGE. C++ IS USED IN DEVELOPING BROWSERS, OPERATING SYSTEMS, AND APPLICATIONS, AS WELL AS IN-GAME PROGRAMMING, SOFTWARE ENGINEERING, DATA STRUCTURES, ETC. ALMOST ALL THE PROGRAMS AND SYSTEMS THAT YOU USE OR A PART OF THEIR CODEBASE IS WRITTEN EITHER IN C OR C++. BE IT WINDOWS, A WEB BROWSER, YOUR FAVORITE GAME, OR A VIDEO EDITING SOFTWARE, THE USES OF C++ CAN BE FOUND IN ALMOST ALL APPLICATIONS TODAY.

JOB OPPORTUNITIES

IT SOFTWARE DEVELOPER
SOFTWARE ENGINEER
SOFTWARE TEST ENGINEER
TECHNICAL SALES ENGINEER
C++ DEVELOPER
TYPESCRIPT,CSS, C++ DEVELOPER
C/C++ SYSTEM PROGRAMMING MANAGER
COMPUTER VISION/IMAGE PROCESSING EXPERT - C/C++
C++ LANGUAGE TRAINER
JAVA DEVELOPER WITH C++
R & D DEVELOPMENT ENGINEER (C++ DEVELOPER)
SENIOR MTS - C++ DEVELOPER, BUILD SYSTEMS (MAKE, SCONS, BAZEL)
CROSS LANGUAGE DEVELOPER
WORDPRESS DEVELOPER
APP DEVELOPER
ANDROID APPLICATION DEVELOPER
WEB BROWSER

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• ENERGY GENERATION FROM WASTE

- INTRODUCTION TO BIOFUELS
- HYDROGEN PRODUCTION THROUGH THERMOCHEMICAL CONVERSION OF DRY BIOMASS
- BIOETHANOL PRODUCTION FROM BIOMASS AND BIOMASS WASTE
- BIO DIESEL PRODUCTION FROM BIOMASS WASTE AND VEGETABLE OIL
- METHODS USED FOR THE ANALYSIS OF THE ORGANIC AND INORGANIC CARBON CONTENT IN WASTE AND WASTEWATER:
- BIOTECHNOLOGICAL PROCESS - FUNDAMENTAL AND PRINCIPLES OF THE KINETICS OF BIOLOGICAL REACTIONS:
- BIOTECHNOLOGICAL PROCESSES - DESIGN OF BIOLOGICAL REACTORS:
- ANAEROBIC DIGESTION (FOR BIOGAS GENERATION):
- THE COUPLING OF THERMOCHEMICAL SYSTEMS WITH ANAEROBIC DIGESTION AND PHYSICAL AND CHEMICAL REMOVAL OF CO₂ FROM BIOGAS TO PRODUCE RENEWABLE NATURAL GAS:
- BIOGAS UPGRADING TO BIOMETHANE: POWER-TO-GAS WITH EX-SITU BIOMETHANATION:
- MICROBIAL CHAIN ELONGATION AND SYNGAS FERMENTATION AFTER GASIFICATION OF BIOMASS:

BENEFITS OF LEARNING ENERGY GENERATION FROM WASTE

THE COURSE DEALS WITH THE GENERATION OF ENERGY FROM DIFFERENT TYPES OF WASTES THROUGH THERMAL, BIOLOGICAL AND CHEMICAL ROUTES. IT IS INTENDED TO HELP THE YOUNG SCIENTIFIC PROFESSIONALS TO KEEP THEIR KNOWLEDGE UPGRADED WITH THE CURRENT THOUGHTS AND NEWER TECHNOLOGY OPTIONS ALONG WITH THEIR ADVANCES IN THE FIELD OF THE UTILIZATION OF DIFFERENT TYPES OF WASTES FOR ENERGY PRODUCTION. DUE TO FAST URBANIZATION AT A FASTER RATE VARIOUS SMALL TOWN CONVERTED IN TO BIG TOWN AND POPULATION IS INCREASING DAY BY DAY. BY INCREASE OF POPULATION PER CAPITA WASTE GENERATION IS INCREASING DAY BY DAY AND REQUIRES LOTS OF ATTENTION FOR MANAGING THE WASTE. ENERGY GENERATION FROM WASTE IS AN OPTION FOR MANAGING SOLID WASTE IN CITIES. BY GENERATING ENERGY FROM WASTE IS NOT ONLY REDUCING WASTE VOLUME BUT ALSO DEVELOPMENT CLEAN ENVIRONMENT.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- ENGINEER- WASTE AND PRODUCTS MANAGEMENT
- DISTRICT COODINATOR
- FULLSTACK DEVELOPER
- SENIOR/LEAD ENGINEER - WASTE WATER MODELING
- CHEMICAL PROCESS ENGINEER
- ENVIRONMENTAL ENGINEER
- WASTE MANAGEMENT TRAINER
- CONSULTANT
- ANALYST
- SUSTAINABILITY MANAGER
- RESEARCH ANALYST
- BUSINESS DEVELOPMENT MANAGER (ENERGY)
- ASSOCIATE RESEARCH ADVISOR
- PROGRAMME ASSOCIATE
- JUNIOR PROPOSAL ENGINEER (WATER & WASTEWATER DESIGN)
- GOV.DEPARTMENT JOBS RELATED TO ENERGY





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• ENVIRONMENTAL POLLUTION

DEFINITION , CAUSES, EFFECTS AND CONTROL MEASURES OF :

- A. AIR POLLUTION
- B. WATER POLLUTION(THERMAL AND MARINE POLLUTION)
- C. LAND POLLUTION
- D. RADIATION POLLUTION AND NUCLEAR HAZARD.
- E. NOISE POLLUTION

SOLID WASTE MANAGEMENT: CAUSES , EFFECTS AND CONTROL MEASURES.

GLOBAL WARMING AND THE GREENHOUSE EFFECT

POLLUTION CONTROL, MONITORING AND MANAGEMENT



BENEFITS OF LEARNING ENVIRONMENTAL POLLUTION

THIS MSC IS IDEALLY SUITED FOR STUDENTS LOOKING TO GAIN A GREATER UNDERSTANDING OF ENVIRONMENTAL SCIENCE, SPECIFICALLY ISSUES RELATED TO POLLUTION AND REMEDIATION. STUDENTS WILL GAIN A WIDE APPRECIATION FOR THE IMPACT THAT DIFFERENT POLLUTANTS HAVE IN THE ENVIRONMENT, HOW THESE POLLUTANTS WOULD BE QUANTIFIED, AND STRATEGIES FOR THERE REMEDIATION.THIS PROGRAMME WILL SUIT STUDENTS LOOKING FOR CAREERS IN ENVIRONMENTAL CONSULTANCY, ENVIRONMENTAL ENGINEERING, THE ENERGY SECTOR AND REGULATORS. THE PROGRAMME IS ALSO SUITED FOR STUDENTS LOOKING TO UNDERTAKE A HIGHER DEGREE IN ENVIRONMENTAL SCIENCE. THIS COURSE WILL GIVE YOU THE SKILLS TO DIAGNOSE AND MITIGATE ENVIRONMENTAL POLLUTION ISSUES

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- POLLUTION CONTROL OFFICER
- ASSISTANT MANAGER - ENVIRONMENT
- SENIOR PROJECT/RESEARCH ASSOCIATE (AIR QUALITY)
- PROGRAMME OFFICER FOR INDUSTRIAL POLLUTION PROGRAMME
- ENVIRONMENT ENGINEER
- SITE MONITORING ENGINEERS
- PROJECT EXECUTIVE
- ASSISTANT ENVIRONMENT ENGINEER
- AIR EMISSIONS EXPERT
- VEHICLE POLLUTION TESTER
- SALES MANAGER - AIR POLLUTION CONTROL
- HEAD - ENVIRONMENT MONITORING LABORATORY
- RESEARCH SCIENTIST
- DESIGN ENGINEER FOR AIR POLLUTION CONTROL
- AIR QUALITY DATA ANALYST
- WATER QUALITY ANALYST





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• DISASTER MANAGEMENT

DEFINITION AND TYPES OF DISASTER HAZARDS AND DISASTERS, RISK AND VULNERABILITY IN DISASTERS, NATURAL AND MAN-MADE DISASTERS, EARTHQUAKES, FLOODS DROUGHT, LANDSIDE, LAND SUBSIDENCE, CYCLONES, VOLCANOES, TSUNAMI, AVALANCHES, GLOBAL CLIMATE EXTREMES. MAN-MADE DISASTERS: TERRORISM, GAS AND RADIATIONS LEAKS, TOXIC WASTE DISPOSAL, OIL SPILLS, FOREST FIRES.

STUDY OF IMPORTANT DISASTERS EARTHQUAKES AND ITS TYPES, MAGNITUDE AND INTENSITY, SEISMIC ZONES OF INDIA, MAJOR FAULT SYSTEMS OF INDIA PLATE, FLOOD TYPES AND ITS MANAGEMENT, DROUGHT TYPES AND ITS MANAGEMENT, LANDSIDE AND ITS MANagements CASE STUDIES OF DISASTERS (E.G) EARTHQUAKES, LANDSIDE). SOCIAL ECONOMICS AND ENVIRONMENTAL IMPACT OF DISASTERS.

MITIGATION AND MANAGEMENT TECHNIQUES OF DISASTER BASIC PRINCIPLES OF DISASTERS MANAGEMENT, DISASTER MANAGEMENT CYCLE, DISASTER MANAGEMENT POLICY, NATIONAL AND STATE BODIES FOR DISASTER MANAGEMENT, EARLY WARNING SYSTEMS, BUILDING DESIGN AND CONSTRUCTION IN HIGHLY SEISMIC ZONES, RETROFITTING OF BUILDINGS.

BENEFITS OF LEARNING DISASTER MANAGEMENT

MILLIONS OF PEOPLE ARE AFFECTED BY DISASTERS EACH YEAR. EFFECTIVE DISASTER MANAGEMENT IS ESSENTIAL TO REDUCE SUFFERING AND SUPPORT THOSE AFFECTED. DISASTER MANAGEMENT CAN HELP TO ENHANCE THE ABILITY OF EMERGENCY RESPONDERS TO SAVE LIVES. WHEN APPROPRIATE INFRASTRUCTURE IS SET UP AND TRAINING IS COMPLETED TO IMPROVE DISASTER RESPONSE, COMMUNITIES CAN SURVIVE THE STRESS AND DISTRESS CAUSED BY DISASTERS. DISASTERS AND EMERGENCIES HAVE BEEN INCREASING ALL OVER THE WORLD. TODAYS, WITH TECHNOLOGICAL ADVANCEMENT, ACQUIRING KNOWLEDGE AND ITS APPLICATION IN THE REALM OF ACTION IS REGARDED AS THE ONLY EFFECTIVE WAY FOR PREVENT DISASTERS OR REDUCING ITS EFFECTS.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

METEOROLOGIST
HAZARD ANALYST
DISASTER RECOVERY MANAGER
SENIOR PRODUCT MANAGER [BUSINESS CONTINUITY AND DISASTER RECOVERY, STORAGE]
DISASTER RISK REDUCTION MANAGER
FIRE & SAFETY MANAGER
DISASTER SECURITY / PROTECTION MANAGER
SENIOR SPECIALISTS
BACKUP ADMINISTRATOR
ENTERPRISE RISK MANAGER
INSTALLATION MANAGER
DISASTER RECOVERY TESTING PROFESSIONAL
SAFETY EXECUTIVE
FACILITY MANAGER
DISASTER RECOVERY STAFF ENGINEER





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Brochure & Syllabus

Certificate/Value added courses offered during 2023-24

THE COCHIN COLLEGE
KOOVAPADAM, KOCHI-2
AFFILIATED TO MG UNIVERSITY, RE-ACCREDITED WITH B+ GRACE

Department of Computer Application

CERTIFICATE COURSE

Offered in 2023-2024

- INTRODUCTION TO GENERATIVE AI

APPLY

<https://forms.gle/zJ3ApbXmITb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

VALUE ADDED COURSE

Department of Computer Application, The Cochin College.

ADBCA2312 : AI AND ROBOTICS

Duration: 30 Hours

Course Description:

This syllabus is designed to provide a well-rounded understanding of generative AI, combining theoretical knowledge with practical skills, while also addressing the ethical implications of working with such technologies.

Course Objectives: _

- To provide students with an understanding of the fundamental concepts of generative AI, including its principles, applications, and ethical considerations.
- To explore the different types of generative models, such as Generative Adversarial Networks (GANs), Variational Autoencoders (VAEs), and autoregressive models.
- To introduce the mathematical foundations underlying generative models, including probability theory, optimization techniques, and neural networks.
- To enable students to understand the key concepts of latent space, loss functions, and training dynamics in generative models.

Course Outline:

Module 1: Introduction to Generative AI (6 Hours)

- Overview of Generative AI and Its Applications
- Types of Generative Models: GANs, VAEs, Autoregressive Models
- Introduction to the Ethical Considerations in Generative AI
- Hands-on: Building a Simple Generative Model

Module 2: Mathematical Foundations (6 Hours)

- Probability Theory and Statistics for AI
- Optimization Techniques: Gradient Descent and Variants
- Neural Networks Basics: Feedforward, Convolutional, and Recurrent Networks





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Module 3: Deep Dive into Generative Adversarial Networks (GANs) (6 Hours)

- Understanding GAN Architecture: Generator and Discriminator
- Training GANs: Challenges and Solutions (Mode Collapse, Stability)
- Variants of GANs: DCGAN, WGAN, StyleGAN

Module 4: Advanced Generative Models (6 Hours)

- Variational Autoencoders (VAEs): Theory and Applications
- Autoregressive Models: Pixel, CNN, WaveNet
- Transformer Models for Generative Tasks: GPT, BERT for Text Generation

Module 5: Ethical Considerations and Cutting-edge Research (6 Hours)

- Bias and Fairness in Generative AI
- Deepfakes and Misinformation: Risks and Mitigation Strategies
- Exploring Cutting-edge Research: Diffusion Models, Reinforcement Learning

Assessment of Outcomes:

- Quizzes and assignments (40%)
- Project development and implementation (30%)
- Final exam (30%)

Reference Books

- "Generative Deep Learning: Teaching Machines to Paint, Write, Compose, and Play" by David Foster.
- "Deep Learning with Python" by François Chollet.

Tools and Platforms:

- Kali Linux





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

VALUE ADDED COURSE

TECHBYHEART

CYBER FORENSIC AND DATA SECURITY

Duration: 30 Hours

Course Description:

This syllabus is designed to provide a robust understanding of both cyber forensic techniques and data security practices, preparing students for advanced roles in the industry.

Course Objectives:

- To provide an understanding of the principles and methodologies used in cyber forensics.
- To introduce the legal and ethical aspects of cyber forensics and digital evidence handling.
- To provide students with a comprehensive understanding of data security principles, including encryption, access control, and data integrity.
- To explore various types of data breaches and the methods used to secure data in transit and at rest.

Course Outline:

Module 1: Introduction to Cyber Forensics (6 Hours)

- Overview of Cyber Forensics
- Types of Cyber Crimes and Legal Framework
- Digital Evidence: Collection, Preservation, and Analysis
- Introduction to Forensic Tools and Software

Module 2: Digital Evidence and Forensic Tools (6 Hours)

- Digital Evidence Acquisition and Imaging Techniques
- File Systems and Data Recovery Methods
- Network Forensics: Analyzing Network Traffic and Logs
- Forensic Analysis of Mobile Devices





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Module 3: Fundamentals of Data Security (6 Hours)

- Introduction to Data Security: Concepts and Importance
- Cryptography and Encryption Techniques
- Access Control and Authentication Methods
- Data Integrity and Non-Repudiation

Module 4: Advanced Data Security Techniques (6 Hours)

- Securing Data at Rest and in Transit
- Database Security: Securing Structured and Unstructured Data
- Data Breach Detection and Prevention Techniques
- Incident Response and Handling Data Breaches

Module 5: Integration of Cyber Forensics and Data Security (6 Hours)

- Investigating Data Breaches Using Forensic Techniques
- Legal and Ethical Considerations in Cyber Forensics and Data Security
- Reporting and Presenting Forensic Findings

Assessment of Outcome

- Quizzes and assignments (40%)
- Group project and presentation (30%)
- Final exam (30%)

Reference

- "Computer Forensics: Cybercriminals, Laws, and Evidence" by Marie-Helen Maras.
- "Incident Response & Computer Forensics" by Jason T. Luttgens, Matthew Pepe, and Kevin Mandia.






THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

 **THE COCHIN COLLEGE**
KOOVAPADAM, KOCHI-2
AFFILIATED TO MG UNIVERSITY, RE-ACCREDITED WITH B+ GRADE

Department of English
Value Added Course
offered in 2023-2024

- **Canadian Literature**
- **English Proficiency Course**

APPLY

<https://forms.gle/zJ3ApbXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Syllabus for add on course in Canadian Literature 2022-23

Fiction:

1. Margaret Atwood: *The Handmaid's Tale*
2. Miriam Towe: *A Complicated Kindness*
3. Lucy Maud Montgomery: *Anne of Green Gables*
4. Joseph Boyden: *The Orenda*
5. Anne Michaels: *Fugitive Pieces*
6. Lawrence Hill: *The Book of Negroes*

Poetry:

1. Michael Ondaatje: " (Inner Tube)"
2. Charles G. D. Roberts: " The Solitary Woodsman"
3. James Reaney: " The Windyard"
4. George Eliott Clarke: " The Ballad of Othello Clemence"
5. Louise Bernice Halfe: " Finding Bone"
6. Rupi Kaur: " Emptying out of My Mother's Belly"

Plays:

1. George Luscombe: *Ten Lost Years*
2. Judith Thompson: *The Crackwalker*
3. Tomson Highway: *Dry Lips Oughta Move to Kapuskasing*
4. Lorea Gale: *Angelique*
5. Trey Anthony: *Da Kink in My Hair*
6. David Freeman: *Creeps*

Reading List:

1. *The Cambridge History of Canadian Literature*(2013). Coral Anne Howells
2. *History of Canadian Literature.* (2011) P.K. Sinha
3. *The Routledge Concise History of Canadian Literature*





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• ENVIRONMENTAL POLLUTION

DEFINITION , CAUSES, EFFECTS AND CONTROL MEASURES OF :

- A. AIR POLLUTION
- B. WATER POLLUTION(THERMAL AND MARINE POLLUTION)
- C. LAND POLLUTION
- D. RADIATION POLLUTION AND NUCLEAR HAZARD.
- E. NOISE POLLUTION

SOLID WASTE MANAGEMENT: CAUSES , EFFECTS AND CONTROL MEASURES.

GLOBAL WARMING AND THE GREENHOUSE EFFECT

POLLUTION CONTROL, MONITORING AND MANAGEMENT



BENEFITS OF LEARNING ENVIRONMENTAL POLLUTION

THIS MSC IS IDEALLY SUITED FOR STUDENTS LOOKING TO GAIN A GREATER UNDERSTANDING OF ENVIRONMENTAL SCIENCE, SPECIFICALLY ISSUES RELATED TO POLLUTION AND REMEDIATION. STUDENTS WILL GAIN A WIDE APPRECIATION FOR THE IMPACT THAT DIFFERENT POLLUTANTS HAVE IN THE ENVIRONMENT, HOW THESE POLLUTANTS WOULD BE QUANTIFIED, AND STRATEGIES FOR THERE REMEDIATION.THIS PROGRAMME WILL SUIT STUDENTS LOOKING FOR CAREERS IN ENVIRONMENTAL CONSULTANCY, ENVIRONMENTAL ENGINEERING, THE ENERGY SECTOR AND REGULATORS. THE PROGRAMME IS ALSO SUITED FOR STUDENTS LOOKING TO UNDERTAKE A HIGHER DEGREE IN ENVIRONMENTAL SCIENCE. THIS COURSE WILL GIVE YOU THE SKILLS TO DIAGNOSE AND MITIGATE ENVIRONMENTAL POLLUTION ISSUES

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- POLLUTION CONTROL OFFICER
- ASSISTANT MANAGER - ENVIRONMENT
- SENIOR PROJECT/RESEARCH ASSOCIATE (AIR QUALITY)
- PROGRAMME OFFICER FOR INDUSTRIAL POLLUTION PROGRAMME
- ENVIRONMENT ENGINEER
- SITE MONITORING ENGINEERS
- PROJECT EXECUTIVE
- ASSISTANT ENVIRONMENT ENGINEER
- AIR EMISSIONS EXPERT
- VEHICLE POLLUTION TESTER
- SALES MANAGER - AIR POLLUTION CONTROL
- HEAD - ENVIRONMENT MONITORING LABORATORY
- RESEARCH SCIENTIST
- DESIGN ENGINEER FOR AIR POLLUTION CONTROL
- AIR QUALITY DATA ANALYST
- WATER QUALITY ANALYST





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in



THE COCHIN COLLEGE
KOOVAPADAM, KOCHI-2
AFFILIATED TO MG UNIVERSITY, RE-ACCREDITED WITH B+ GRADE

DEPARTMENT OF CHEMISTRY

VALUE ADDED COURSE

Offered in 2023-2024

 **Sustainable Environmental Practices
and Waste Management**

APPLY

<https://forms.gle/zJ3ApbXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

DEPARTMENT OF CHEMISTRY

(Add on Course Syllabus for UG students)

Course Title: Sustainable Environmental Practices and Waste Management

Course Objective:

1. This course provides undergraduate graduate students with comprehensive insights into environmental sustainability and waste management.
2. It emphasizes the role of individuals in protecting the environment and promoting sustainable practices. Students will explore various environmental issues, ecosystem balance, and the impact of human activities on the environment.
3. The course covers waste management concepts, the 3 R system (Reduce, Reuse, and Recycle), and the responsible handling of different types of waste

Course outcome

By the end of the course, students will have a comprehensive understanding of environmental issues, the significance of waste management, and practical strategies for promoting sustainability in their personal and professional lives.

Unit I: Understanding Environmental Sustainability

Introduction to environmental ecosystems and their significance, The importance of a balanced ecosystem for human well-being, Human activities and their effects on the environment, Promoting public awareness for environmental protection,

Unit II: Biodiversity Conservation and Restoration

Exploring the value of biodiversity in maintaining ecological balance, The impact of economic activities on ecology and biodiversity, Strategies for ecosystem restoration and biodiversity conservation.

Unit III: Waste Management and Environmental Pollution

Introduction to waste management and its relevance, Sources and types of environmental pollution. Managing liquid waste and its environmental implications, Safe handling of hazardous and toxic waste, Environmental considerations for biomedical, chemical, and nuclear waste, Environmental impact of ship breaking and pollution from industries.

Unit IV: The 3 R System and Waste Reduction

Understanding the principles of the 3 R system (Reduce, Reuse, Recycle)

Practical sessions: Implementing the 3 R system at home and institution.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Brochure and Syllabus 2023-24

THE COCHIN COLLEGE
KOOVAPADAM, KOCHI-2
AFFILIATED TO MAHATMA GANDHI UNIVERSITY, (REACCREDITED) WITH 'B' GRADE

Department of Zoology
VALUE ADDED COURSE
Offered in 2023-2024

POULTRY SCIENCE

APPLY
<https://forms.gle/zJ3ApbXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADZOO2309 : Poultry Science

30 Hrs

Course Outcomes

- CO1 Familiarise with poultry nutrition and physiology
- CO2 Acquaint with Poultry Health management
- CO3 Choose poultry as an employment source

Unit -I: Poultry Nutrition and Physiology (10 hours)

- 1.1 Essential amino acids, proteins, fatty acids, vitamins and minerals in their inter-relationships.
- 1.2 Functional regulation of digestion, absorption and metabolism of nutrients.
- 1.3 Feed formulation for different species and groups
- 1.4 Different systems of feeding wet mash, dry mash, crumble and pellet feeding. Feed Passage rate in G.I. tract in relation to digestion and absorption efficiency;
- 1.5 Characteristics features of endocrine glands. Endocrine control and variable factors influencing growth process

Unit II: Poultry Products technology (10 hours)

- 2.1 Structure, chemical composition and nutritive value of egg.
- 2.2 Various measures of egg quality. Shell, albumen and yolk quality assessment.
- 2.3 Factors influencing egg quality traits. Mechanism of deterioration of egg quality.
- 2.4 Different methods of preservation of table eggs and their relative merits and demerits.
- 2.5 Physical, chemicals, microbial and organoleptic evaluation of meat quality

Unit III: Poultry Health Management (10 hours)

- 3.1 Common diseases of poultry – bacterial, viral, fungal, protozoan, parasitic and other emerging diseases of poultry, their prevention, control and treatment.
- 3.2 Metabolic and nutrient deficiency diseases and disorders.
- 3.3 Vaccination programmes and Deworming programmes.
- 3.4 Control of coccidiosis, worms, ectoparasites and flies. Medication procedures.
- 3.5 Cleaning and disinfection of poultry houses. Drinking water sanitation

References

1. Shukla G.S, & Updhyay V.B, Economic zoology ,Rastogi Publ. Meerut.
2. Pradip.V.Jabde , Text book of applied zoology, 2005
3. Applied Zoology, Study Material Zoological Society of Kerala , CMS college
4. Chauhan, H.V.S. Poultry, Disease, diagnosis and treatment, Wiley eastern Ltd Delhi.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (120 HRS)



All your courses in one place.

We are the future of your career

• LOGISTICS

INDIAN MARITIME SECURITY
GENERAL MARITIME CLAIMS
TOWAGE AND PILOTAGE
SUPPLIES, REPAIRS AND DOCK CHARGES
BOTTOMRY/ADMIRALTY /MARITIME LAW
IMPORTANCE, SCOPE AND SIGNIFICANCE
SHIPPING DOCUMENTS
COMMERCIAL INVOICE
CERTIFICATES
PACKING LIST
EXPORT/ IMPORT CUSTOMS DECLARATIONS
BILLS OF LADING
ARRIVAL NOTICE
CERTIFICATE OF ORIGIN
MULTI- MODAL COMBINED
TRANSPORT DOCUMENT
BILLS OF ENTRY
DOCUMENTS FOR EXPORT AND IMPORT
LETTER OF CREDIT
MARINE INSURANCE
PRINCIPLES OF MARINE INSURANCE
MARINE INSURANCE POLICIES IN INDIA
SCOPE OF MARINE INSURANCE
COASTAL SECURITY IN INDIA
CASES, ANALYSIS AND STUDIES
SUPPLY CHAIN MANAGEMENT
PROCUREMENT PROCESS SUPPLIER
RELATIONSHIP MANAGEMENT AND CUSTOMER
RELATIONSHIP MANAGEMENT
MATERIAL REQUIREMENT PLANNING
SUPPLY CHAIN PARTNERS
LOGISTICS MANAGEMENT (WAREHOUSING AND
TRANSPORTATION)
LOGISTICS MANAGEMENT INTRO-TERMS
WAREHOUSING:
WAREHOUSE OPERATIONAL PRINCIPLES

WAREHOUSE DESIGN AND PRINCIPLES
INVENTORY MANAGEMENT
TRANSPORTATION IN LOGISTICS
PORT AND DOCKS
CONTAINER TERMINAL OPERATION AND CARGO HANDLING
PORT MANAGEMENT
VESSEL ENTRY AND CLEARANCE PROCEDURES
PORT OPERATIONS FOR INCOMING VESSELS
CONTAINER SHIP SAFE CARGO-OPERATIONS
DEPLOYMENT AND MONITORING OF MOORING
INSTRUCTION FOR DECK WATCH KEEPING IN PORT
TYPES OF SHIPPING CONTAINERS
CONTAINER STOWAGE ON CONTAINER SHIP
HANDLING DANGEROUS CARGO, BREAK BULK, AND -
OOG CARGO HANDLING OF REEFER CONTAINERS
OPERATION OF OIL TANKERS
BUNKERING, TRANSSHIPMENT, CONTAINER CRANE, AND CSI 15.
PORT DISBURSEMENT
OPERATION TERMS AND ABBREVIATIONS
GEOGRAPHY
STRUCTURE OF SHIPS
TYPES OF SHIPS
TYPES OF CARGO
INTERNATIONAL MARITIME ORGANISATION
CONTAINERIZATION
INTERNATIONAL SHIPPING MARKET
MARINE INSURANCE
MARINE SALVAGE
CHARTERING
INTL SHIPPING TERMS
COASTAL SHIPPING
HISTORICAL DEVELOPMENT IN SCM
BULL WHIP EFFECT
TOTAL QUALITY MANAGEMENT
CRM
STRATEGIC SALES PLANNING FOR SMALL BUSINESS
ENTERPRISE RESOURCE MANAGEMENT
MANAGEMENT INFORMATION SYSTEM

REVERSE LOGISTICS
MATERIAL REQUIREMENT PLANNING
THEORY OF CONSTRAINTS
LOGISTICS MANAGEMENT
WAREHOUSING
WAREHOUSE OPERATION PRINCIPLES
WAREHOUSE DESIGN AND PRINCIPLES
INVENTORY MANAGEMENT
TRANSPORTATION IN LOGISTICS
SUPPLY CHAIN MANAGEMENT
PROCUREMENT PROCESS SUPPLIER RELATIONSHIP
MANAGEMENT AND CUSTOMER
RELATIONSHIP MANAGEMENT
MATERIAL REQUIREMENT PLANNING
SUPPLY CHAIN PARTNERS

BENEFITS OF LEARNING LOGISTICS

- YOU CAN FIND STEADY WORK IN SEVERAL INDUSTRIES.
- INTERNATIONAL WORK OPPORTUNITIES
- ACCORDING TO THE BUREAU OF LABOR STATISTICS (BLS) THE JOB OUTLOOK FOR LOGISTICIANS IS POSITIVE
- THE MEDIAN ANNUAL WAGE FOR LOGISTICIANS IS \$76,270, ACCORDING TO RESEARCH PROVIDED BY THE BLS IN MAY 2020
- SEVERAL MANAGEMENT OPPORTUNITIES THROUGHOUT YOUR CAREER

JOB OPPORTUNITIES

PURCHASING MANAGER
OPERATIONS MANAGEMENT
PROCUREMENT SPECIALIST
PRODUCTION PLANNER
BUSINESS ANALYST
COMMODITIES MANAGER
INVENTORY SPECIALIST
VENDOR MANAGER
INVENTORY CONTROLLER
WAREHOUSE OPERATIONS MANAGER
SYSTEMS SUPPORT MANAGER
LOGISTICS CONSULTANT
CARGO OPERATIONS CONSULTANT
LOGISTICIAN
QUALITY MANAGER
TRANSPORT MANAGEMENT
SUPPLY CHAIN MANAGER
LOGISTICS ANALYST
WAREHOUSE MANAGER
DISTRIBUTION MANAGER
MATERIALS MANAGER
PROCUREMENT MANAGER
CARGO MANAGER CUSTOMER SERVICE MANAGER
PROCESS ASSOCIATE CONSULTANT
LOGISTICS ENGINEER

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• TALLY

BASIC ACCOUNTING - JOURNAL ENTRY
 FUNDAMENTALS OF TALLY.
 ACCOUNTING MASTERS IN TALLY.
 COMPANY CREATION ACCOUNTING AND INVENTORY MASTERS
 VOUCHER ENTRY IN TALLY.
 PURCHASE AND SALES MANAGEMENT
 ORDER PROCESSING
 INVENTORY MANAGEMENT WAREHOUSE MANAGEMENT BANKING
 MANUFACTURING PROCESS
 COST CENTERS
 STATUTORY TAXATION - BUDGET VARIANCE
 CHEQUE PRINTING
 BACK AND RESTORE
 SECURITY SYSTEM
 SPLIT COMPANY DATA
 REPORT PRINTING.
 GOODS AND SERVICES TAX (GST)
 BANK RECONCILIATION
 BACK UP & RESTORE
 EXPORT-IMPORT

SPLITTING OF COMPANY DATA
 JOB COSTING
 TAX DEDUCTED AT SOURCE
 TAX COLLECTED AT SOURCE
 PAYROLL ACCOUNTING AND COMPLIANCE
 TECHNOLOGICAL ADVANTAGES OF TALLY
 APPLICATION MANAGEMENT AND CONTROLS
 GST



BENEFITS OF LEARNING TALLY

ONE OF THE FIRST TALLY COURSE BENEFITS IS THE ACCURACY OF INFORMATION. AFTER BEING ENTERED INTO TALLY PRIME, YOUR DATA IS UNLIKELY TO BE LOST FOR ANY ILLIMITABLE REASONS

THE SECOND ONE AMONG THE TALLY COURSE BENEFITS IS INFORMATION ASSURANCE. ONCE THE DATA IS STORED INSIDE THE SOFTWARE PACKAGE, THERE IS NOT EVEN THE TINIEST POSSIBILITY OF DATA ALTERING

HELPS TO MAINTAIN THE TRUST AND CONFIDENCE THAT ARE ESSENTIAL TO THE ACCOUNTING SECTOR

THE FOURTH TALLY COURSE BENEFITS ARE THE USER-FRIENDLY EXPERIENCE.

THE FIFTH TALLY COURSE BENEFITS ARE UNCOMPLICATED DATA MOVEMENT

PROVIDING FILING ASSISTANCE FOR GST

MAKING BUSINESS EASY WITH TALLY

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

Accountants Officer
 Executive Assistant
 Accounting Clerk
 Accounting Associate
 Accounts Assistant
 Accounts Executive
 Accounts Supervisor
 Tally Operator
 Tally Accounts Manager
 Tally Accounts Executive
 Service Coordinate with Tally
 Tally Junior Accountant
 Tax Accountant
 Bookkeeper
 Investment Banker
 Financial Tally Analyst





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• DIGITAL MARKETING

- SOCIAL MEDIA MARKETING / ONLINE MARKETING
- WHY OUR BUSINESS NEEDS TO BE ON SOCIAL MEDIA
- WHICH SOCIAL PLATFORMS MAKE THE MOST SENSE TO USE
- HOW TO CREATE SOCIAL MEDIA GOALS
- POST OUR SOCIAL MEDIA CONTENT

- MOBILE MARKETING
- EMAIL MARKETING
- PAY-PER-CLICK MARKETING

- CREATE SOCIAL MEDIA POSTER
- FACEBOOK
- INSTAGRAM
- TWITTER
- OLX ETC.



BENEFITS OF LEARNING DIGITAL MARKETING

- DISCOVER THE PROFESSIONAL IN YOU
- EMBARK YOUR CAREER
- A WIDE RANGE OF CAREER OPTIONS
- BETTER SALARY (MOST FASCINATING ADVANTAGE OF DIGITAL MARKETING COURSE)
- FLEXIBILITY IN WORK SCHEDULE
- DEPLOYMENT OF SKILLS FROM ONE COMPANY TO ANOTHER
- EXHIBIT CREATIVITY
- EFFICACIOUS AND EXTREMELY COST-EFFECTIVE
- TRACKABLE AND MEASURABLE RESULTS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- DIGITAL MARKETING MANAGER
- SEARCH ENGINE OPTIMIZER (SEO EXECUTIVE)
- SOCIAL MEDIA MARKETING EXPERT
- CONTENT MARKETING MANAGER
- COPYWRITER
- SEARCH ENGINE MARKETER/ SPECIALIST
- INBOUND MARKETING MANAGER
- CONVERSION RATE OPTIMIZER
- WEBSITE CONTENT WRITER
- WEB DEVELOPER
- ETC.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thechoinchcollege.edu.in

email: email@thechoinchcollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (100 HRS)



All your courses in one place.

We are the future of your career

• MEDICAL CODING

INTRODUCTION TO MEDICAL CODING

ANATOMY
MEDICAL TERMINOLOGY
INTRODUCTION OF HUMAN BODY

ICD -10-CM
INTRODUCTION TO ICD - INTERNATIONAL CLASSIFICATION OF DISEASE
CONVENTIONS & GENERAL CODING GUIDELINES

CPT-CURRENT PROCEDURAL TERMINOLOGY
INTRODUCTION TO CPT
CPT MODIFIERS CLASS
GENERAL CODING GUIDELINES

HCPCS
INTRODUCTION TO HCPCS
HCPCS MODIFIERS
CODING



BENEFITS OF LEARNING MEDICAL CODING

IF YOU ARE CONSIDERING MEDICAL CODING AS A CAREER, BUT ARE STILL QUITE SCEPTICAL, THEN HERE ARE A FEW BENEFITS THAT YOU CANNOT IGNORE:

- DEMAND IS HIGH FOR CERTIFIED MEDICAL CODERS
- COMPETENT PAY PACKAGE
- A STABLE CAREER OPTION
- REMOTE WORKING OPTIONS

JOB OPPORTUNITIES

- MEDICAL CODING AND BILLING
- URGENT CARE CLINICS
- SPORTS MEDICINE CLINICS
- MENTAL HEALTH PRACTICES
- HOSPICES
- TELEHEALTH PROVIDERS
- COLLECTION AGENCIES
- RISK ADJUSTMENT VENDORS
- INSURANCE COMPANIES
- PROFESSIONAL LIABILITY COMPANIES
- FEDERAL GOVERNMENT AGENCIES
- INFORMATION TECHNOLOGY SERVICES
- LAW FIRMS
- DENTAL OFFICES
- DURABLE MEDICAL EQUIPMENT AND SUPPLY VENDORS
- PHYSICAL THERAPY CENTERS
- LONG-TERM CARE FACILITIES
- HOME HEALTH AGENCIES
- CONSULTING FIRMS
- EHR SOFTWARE VENDORS
- ACCOUNTABLE CARE ORGANIZATIONS
- WORKMAN'S COMPENSATION COMPANIES
- STATE GOVERNMENT AGENCIES
- CAREER COLLEGES
- MEDICAL BILLING SERVICE
- MEDICAL LABORATORIES
- REHABILITATION SERVICES
- CLEARINGHOUSES
- CANCER REGISTRIES
- IMAGING CENTERS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• IELTS

LISTENING

PRACTISING ALL QUESTION TYPES. (MONOLOGUES, DIALOGUE, CONVERSATION)
RECOGNISING INTONATION PATTERNS (QUESTIONS, SURPRISE ETC)
VARIETIES OF SPOKEN ENGLISH, INCLUDING AUSTRALIAN, BRITISH, NORTH AMERICAN AND NEW ZEALAND
LISTENING FOR SPECIFIC INFORMATION, KEYWORDS, GENERAL INFORMATION, NUMBERS, TRANSITION SIGNALS AND DISCOURSE MARKERS (FIRSTLY, SECONDLY, OBVIOUSLY, FURTHERMORE, INDEED).

READING

PRACTISING 3 SECTION OF READING TESTS.
SKIMMING (TO GET A GENERAL UNDERSTANDING)
SCANNING (LOOKING FOR SPECIFIC INFORMATION)
DEVELOPING VOCABULARY
SUMMARISING
DETERMINING THE WRITER'S ATTITUDE AND OPINION.

WRITING

PRACTISING ESSAY , GRAPH / DIAGRAM DESCRIPTION.
ADJUSTING STYLE ACCORDING TO PURPOSE.
WRITING PARAGRAPHS, INTRODUCTIONS AND CONCLUSIONS.
USING CONJUNCTIONS AND REFERENTS.
ORGANISING INFORMATION LOGICALLY WITHIN A TEXT.
USING EXAMPLES AND EVIDENCE TO SUPPORT AN ARGUMENT.

PEAKING

PRACTISING ALL QUESTION TYPES.
PRACTISING PRONUNCIATION AND INTONATION.
PRACTISING FLUENCY.
USING AND UNDERSTANDING COMMON PHRASES.
INTERACTING WITH OTHER SPEAKERS.
SPEAKING FOR AN EXTENDED TIME ON A PARTICULAR TOPIC.
PRACTICE HOW TO DEVELOP A CONTENT

IELTS™

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



BENEFITS OF LEARNING IELTS

BEING ABLE TO COMMUNICATE IN ENGLISH CONNECTS YOU TO A LARGER WORLD. CURRENTLY, ABOUT 20% OF THE WORLD'S POPULATION SPEAKS ENGLISH, ALTHOUGH MOST AREN'T NATIVE SPEAKERS. ENGLISH IS ALSO THE WORLD'S MOST-STUDIED FOREIGN LANGUAGE. WITH SO MANY PEOPLE STUDYING AND LEARNING ENGLISH, PROFICIENCY EXAMS LIKE IELTS HELP ADMISSIONS OFFICERS AND PROSPECTIVE EMPLOYERS TO GET AN ACCURATE PICTURE OF YOUR CURRENT ENGLISH LEVEL.

TAKING THE IELTS TEST CAN ENHANCE YOUR EMPLOYMENT PROSPECTS EXCELLENT COMMUNICATION SKILLS ARE ESSENTIAL THESE DAYS AS FIFTY-FIVE COUNTRIES HAVE ENGLISH AS THEIR FIRST LANGUAGE. DEMONSTRATING A GOOD COMMAND OF THE LANGUAGE COULD OPEN UP OPTIONS FOR YOU TO PURSUE A CAREER IN A FOREIGN COUNTRY

THE PROCESS OF PREPARING TO TAKE THE IELTS TEST WILL SIGNIFICANTLY IMPROVE YOUR ENGLISH SKILLS

IF YOU'RE TAKING IELTS ACADEMIC TO GET INTO YOUR DREAM UNIVERSITY, THE PROCESS OF STUDYING FOR THE EXAM WILL HELP YOU PREPARE FOR ACADEMIC LIFE

PROVING YOUR ENGLISH LANGUAGE SKILLS CAN HELP YOU GET A NEW JOB OR A PROMOTION IN YOUR HOME COUNTRY AND ABROAD. YOUR IELTS SCORE ON YOUR RESUME WILL SHOW FUTURE EMPLOYERS THAT YOU ARE A SERIOUS AND COMMITTED CANDIDATE.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in
one place.

We are the future of
your career

• C++ (BSC COMPUTER APPLICATION)

ELEMENTS OF PROGRAMMING AND FUNCTION INTRODUCTION: BASIC ELEMENTS OF PROGRAMMING, CONSOLE I/O OPERATIONS, FUNCTION: FUNCTION PROTOTYPING, CALL AND RETURN BY REFERENCE, INLINE FUNCTION, DEFAULT AND CONST ARGUMENTS, FUNCTION OVERLOADING, ARRAYS, MANIPULATORS AND ENUMERATION.

CLASSES AND OBJECT ORIENTED METHODOLOGY: BASIC CONCEPTS/CHARACTERISTICS OF OOP. ADVANTAGES AND APPLICATION OF OOPS, PROCEDURAL PROGRAMMING VS OOP. CLASSES AND OBJECTS: SPECIFYING A CLASS, CREATING OBJECTS, PRIVATE & PUBLIC DATA MEMBERS AND MEMBER FUNCTIONS, DEFINING INLINE MEMBER FUNCTIONS, STATIC DATA MEMBERS AND MEMBER FUNCTIONS. ARRAYS WITHIN CLASS, ARRAYS OF OBJECTS, OBJECTS AS FUNCTION ARGUMENTS, RETURNING OBJECTS.

CONSTRUCTORS, DESTRUCTORS, OPERATORS OVERLOADING AND INHERITANCE. CONSTRUCTORS AND DESTRUCTORS: INTRODUCTION, PARAMETERIZED CONSTRUCTORS, MULTIPLE CONSTRUCTORS IN A CLASS, CONSTRUCTORS WITH DEFAULT ARGUMENTS, DYNAMIC INITIALIZATION OF OBJECTS, COPY CONSTRUCTORS, DYNAMIC CONSTRUCTORS, CONST OBJECTS, DESTRUCTORS OPERATORS OVERLOADING: DEFINITION, UNARY AND BINARY OVERLOADING, RULES FOR OPERATOR OVERLOADING. INHERITANCE: DEFINING DERIVED CLASSES, TYPES OF INHERITANCE, CONSTRUCTORS AND DESTRUCTORS IN DERIVED CLASSES.

POINTERS VIRTUAL & FRIEND FUNCTIONS AND FILE HANDLING POINTERS: POINTER TO OBJECTS, THIS POINTER, „NEW“ AND „DELETE“ OPERATORS, VIRTUAL FUNCTION, FRIEND FUNCTIONS. OPENING, CLOSING A FILE, FILE MODES, FILE POINTERS AND THEIR MANIPULATION, SEQUENTIAL INPUT AND OUTPUT OPERATIONS: UPDATING A FILE, RANDOM ACCESS, AND ERROR HANDLING DURING FILE OPERATIONS, COMMAND LINE ARGUMENTS.

BENEFITS OF LEARNING C++

C++ (OR "C-PLUS-PLUS") IS A GENERAL-PURPOSE PROGRAMMING AND CODING LANGUAGE. C++ IS USED IN DEVELOPING BROWSERS, OPERATING SYSTEMS, AND APPLICATIONS, AS WELL AS IN-GAME PROGRAMMING, SOFTWARE ENGINEERING, DATA STRUCTURES, ETC. ALMOST ALL THE PROGRAMS AND SYSTEMS THAT YOU USE OR A PART OF THEIR CODEBASE IS WRITTEN EITHER IN C OR C++. BE IT WINDOWS, A WEB BROWSER, YOUR FAVORITE GAME, OR A VIDEO EDITING SOFTWARE, THE USES OF C++ CAN BE FOUND IN ALMOST ALL APPLICATIONS TODAY.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

IT SOFTWARE DEVELOPER
SOFTWARE ENGINEER
SOFTWARE TEST ENGINEER
TECHNICAL SALES ENGINEER
C++ DEVELOPER
TYPESCRIPT, CSS, C++ DEVELOPER
C/C++ SYSTEM PROGRAMMING MANAGER
COMPUTER VISION/IMAGE PROCESSING EXPERT - C/C++
C++ LANGUAGE TRAINER
JAVA DEVELOPER WITH C++
R & D DEVELOPMENT ENGINEER (C++ DEVELOPER)
SENIOR MTS - C++ DEVELOPER, BUILD SYSTEMS (MAKE, SCONS, BAZEL)
CROSS LANGUAGE DEVELOPER
WORDPRESS DEVELOPER
APP DEVELOPER
ANDROID APPLICATION DEVELOPER
WEB BROWSER





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• ENERGY GENERATION FROM WASTE

INTRODUCTION TO BIOFUELS
 HYDROGEN PRODUCTION THROUGH THERMOCHEMICAL CONVERSION OF DRY BIOMASS
 BIOETHANOL PRODUCTION FROM BIOMASS AND BIOMASS WASTE
 BIODIESEL PRODUCTION FROM BIOMASS WASTE AND VEGETABLE OIL
 METHODS USED FOR THE ANALYSIS OF THE ORGANIC AND INORGANIC CARBON CONTENT IN WASTE AND WASTEWATER:
 BIOTECHNOLOGICAL PROCESS - FUNDAMENTAL AND PRINCIPLES OF THE KINETICS OF BIOLOGICAL REACTIONS:
 BIOTECHNOLOGICAL PROCESSES - DESIGN OF BIOLOGICAL REACTORS:
 ANAEROBIC DIGESTION (FOR BIOGAS GENERATION):
 THE COUPLING OF THERMOCHEMICAL SYSTEMS WITH ANAEROBIC DIGESTION AND PHYSICAL AND CHEMICAL REMOVAL OF CO₂ FROM BIOGAS TO PRODUCE RENEWABLE NATURAL GAS:
 BIOGAS UPGRADING TO BIOMETHANE: POWER-TO-GAS WITH EX-SITU BIOMETHANATION:
 MICROBIAL CHAIN ELONGATION AND SYNGAS FERMENTATION AFTER GASIFICATION OF BIOMASS:

BENEFITS OF LEARNING ENERGY GENERATION FROM WASTE

THE COURSE DEALS WITH THE GENERATION OF ENERGY FROM DIFFERENT TYPES OF WASTES THROUGH THERMAL, BIOLOGICAL AND CHEMICAL ROUTES. IT IS INTENDED TO HELP THE YOUNG SCIENTIFIC PROFESSIONALS TO KEEP THEIR KNOWLEDGE UPGRADED WITH THE CURRENT THOUGHTS AND NEWER TECHNOLOGY OPTIONS ALONG WITH THEIR ADVANCES IN THE FIELD OF THE UTILIZATION OF DIFFERENT TYPES OF WASTES FOR ENERGY PRODUCTION. DUE TO FAST URBANIZATION AT A FASTER RATE VARIOUS SMALL TOWN CONVERTED IN TO BIG TOWN AND POPULATION IS INCREASING DAY BY DAY. BY INCREASE OF POPULATION PER CAPITA WASTE GENERATION IS INCREASING DAY BY DAY AND REQUIRES LOTS OF ATTENTION FOR MANAGING THE WASTE. ENERGY GENERATION FROM WASTE IS AN OPTION FOR MANAGING SOLID WASTE IN CITIES. BY GENERATING ENERGY FROM WASTE IS NOT ONLY REDUCING WASTE VOLUME BUT ALSO DEVELOPMENT CLEAN ENVIRONMENT.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

ENGINEER- WASTE AND PRODUCTS MANAGEMENT
 DISTRICT COODINATOR
 FULLSTACK DEVELOPER
 SENIOR/LEAD ENGINEER - WASTE WATER MODELING
 CHEMICAL PROCESS ENGINEER
 ENVIRONMENTAL ENGINEER
 WASTE MANAGEMENT TRAINER
 CONSULTANT
 ANALYST
 SUSTAINABILITY MANAGER
 RESEARCH ANALYST
 BUSINESS DEVELOPMENT MANAGER (ENERGY)
 ASSOCIATE RESEARCH ADVISOR
 PROGRAMME ASSOCIATE
 JUNIOR PROPOSAL ENGINEER (WATER & WASTEWATER DESIGN)
 GOV.DEPARTMENT JOBS RELATED TO ENERGY





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• ENVIRONMENTAL POLLUTION

DEFINITION , CAUSES, EFFECTS AND CONTROL MEASURES OF :

- A. AIR POLLUTION
- B. WATER POLLUTION(THERMAL AND MARINE POLLUTION)
- C. LAND POLLUTION
- D. RADIATION POLLUTION AND NUCLEAR HAZARD.
- E. NOISE POLLUTION

SOLID WASTE MANAGEMENT: CAUSES , EFFECTS AND CONTROL MEASURES.

GLOBAL WARMING AND THE GREENHOUSE EFFECT

POLLUTION CONTROL, MONITORING AND MANAGEMENT



BENEFITS OF LEARNING ENVIRONMENTAL POLLUTION

THIS MSC IS IDEALLY SUITED FOR STUDENTS LOOKING TO GAIN A GREATER UNDERSTANDING OF ENVIRONMENTAL SCIENCE, SPECIFICALLY ISSUES RELATED TO POLLUTION AND REMEDIATION. STUDENTS WILL GAIN A WIDE APPRECIATION FOR THE IMPACT THAT DIFFERENT POLLUTANTS HAVE IN THE ENVIRONMENT, HOW THESE POLLUTANTS WOULD BE QUANTIFIED, AND STRATEGIES FOR THERE REMEDIATION.THIS PROGRAMME WILL SUIT STUDENTS LOOKING FOR CAREERS IN ENVIRONMENTAL CONSULTANCY, ENVIRONMENTAL ENGINEERING, THE ENERGY SECTOR AND REGULATORS. THE PROGRAMME IS ALSO SUITED FOR STUDENTS LOOKING TO UNDERTAKE A HIGHER DEGREE IN ENVIRONMENTAL SCIENCE. THIS COURSE WILL GIVE YOU THE SKILLS TO DIAGNOSE AND MITIGATE ENVIRONMENTAL POLLUTION ISSUES

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- POLLUTION CONTROL OFFICER
- ASSISTANT MANAGER - ENVIRONMENT
- SENIOR PROJECT/RESEARCH ASSOCIATE (AIR QUALITY)
- PROGRAMME OFFICER FOR INDUSTRIAL POLLUTION PROGRAMME
- ENVIRONMENT ENGINEER
- SITE MONITORING ENGINEERS
- PROJECT EXECUTIVE
- ASSISTANT ENVIRONMENT ENGINEER
- AIR EMISSIONS EXPERT
- VEHICLE POLLUTION TESTER
- SALES MANAGER - AIR POLLUTION CONTROL
- HEAD - ENVIRONMENT MONITORING LABORATORY
- RESEARCH SCIENTIST
- DESIGN ENGINEER FOR AIR POLLUTION CONTROL
- AIR QUALITY DATA ANALYST
- WATER QUALITY ANALYST





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• DISASTER MANAGEMENT

DEFINITION AND TYPES OF DISASTER HAZARDS AND DISASTERS, RISK AND VULNERABILITY IN DISASTERS, NATURAL AND MAN-MADE DISASTERS, EARTHQUAKES, FLOODS DROUGHT, LANDSIDE, LAND SUBSIDENCE, CYCLONES, VOLCANOES, TSUNAMI, AVALANCHES, GLOBAL CLIMATE EXTREMES. MAN-MADE DISASTERS: TERRORISM, GAS AND RADIATIONS LEAKS, TOXIC WASTE DISPOSAL, OIL SPILLS, FOREST FIRES.

STUDY OF IMPORTANT DISASTERS EARTHQUAKES AND ITS TYPES, MAGNITUDE AND INTENSITY, SEISMIC ZONES OF INDIA, MAJOR FAULT SYSTEMS OF INDIA PLATE, FLOOD TYPES AND ITS MANAGEMENT, DROUGHT TYPES AND ITS MANAGEMENT, LANDSIDE AND ITS MANagements CASE STUDIES OF DISASTERS (E.G) EARTHQUAKES, LANDSIDE). SOCIAL ECONOMICS AND ENVIRONMENTAL IMPACT OF DISASTERS.

MITIGATION AND MANAGEMENT TECHNIQUES OF DISASTER BASIC PRINCIPLES OF DISASTERS MANAGEMENT, DISASTER MANAGEMENT CYCLE, DISASTER MANAGEMENT POLICY, NATIONAL AND STATE BODIES FOR DISASTER MANAGEMENT, EARLY WARNING SYSTEMS, BUILDING DESIGN AND CONSTRUCTION IN HIGHLY SEISMIC ZONES, RETROFITTING OF BUILDINGS.

BENEFITS OF LEARNING DISASTER MANAGEMENT

MILLIONS OF PEOPLE ARE AFFECTED BY DISASTERS EACH YEAR. EFFECTIVE DISASTER MANAGEMENT IS ESSENTIAL TO REDUCE SUFFERING AND SUPPORT THOSE AFFECTED. DISASTER MANAGEMENT CAN HELP TO ENHANCE THE ABILITY OF EMERGENCY RESPONDERS TO SAVE LIVES. WHEN APPROPRIATE INFRASTRUCTURE IS SET UP AND TRAINING IS COMPLETED TO IMPROVE DISASTER RESPONSE, COMMUNITIES CAN SURVIVE THE STRESS AND DISTRESS CAUSED BY DISASTERS. DISASTERS AND EMERGENCIES HAVE BEEN INCREASING ALL OVER THE WORLD. TODAYS, WITH TECHNOLOGICAL ADVANCEMENT, ACQUIRING KNOWLEDGE AND ITS APPLICATION IN THE REALM OF ACTION IS REGARDED AS THE ONLY EFFECTIVE WAY FOR PREVENT DISASTERS OR REDUCING ITS EFFECTS.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

METEOROLOGIST
HAZARD ANALYST
DISASTER RECOVERY MANAGER
SENIOR PRODUCT MANAGER [BUSINESS CONTINUITY AND DISASTER RECOVERY, STORAGE]
DISASTER RISK REDUCTION MANAGER
FIRE & SAFETY MANAGER
DISASTER SECURITY / PROTECTION MANAGER
SENIOR SPECIALISTS
BACKUP ADMINISTRATOR
ENTERPRISE RISK MANAGER
INSTALLATION MANAGER
DISASTER RECOVERY TESTING PROFESSIONAL
SAFETY EXECUTIVE
FACILITY MANAGER
DISASTER RECOVERY STAFF ENGINEER





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE



ADD-ON COURSE SYLLABUS (30 HRS)

• TALLY

BASIC ACCOUNTING - JOURNAL ENTRY
 FUNDAMENTALS OF TALLY.
 ACCOUNTING MASTERS IN TALLY.
 COMPANY CREATION ACCOUNTING AND INVENTORY MASTERS
 VOUCHER ENTRY IN TALLY.
 PURCHASE AND SALES MANAGEMENT
 ORDER PROCESSING
 INVENTORY MANAGEMENT WAREHOUSE MANAGEMENT BANKING
 MANUFACTURING PROCESS COST CENTERS
 STATUTORY TAXATION - BUDGET VARIANCE
 CHEQUE PRINTING
 BACK AND RESTORE
 SECURITY SYSTEM
 SPLIT COMPANY DATA
 REPORT PRINTING.
 GOODS AND SERVICES TAX (GST)
 BANK RECONCILIATION
 BACK UP & RESTORE
 EXPORT-IMPORT

SPLITTING OF COMPANY DATA
 JOB COSTING
 TAX DEDUCTED AT SOURCE
 TAX COLLECTED AT SOURCE
 PAYROLL ACCOUNTING AND COMPLIANCE
 TECHNOLOGICAL ADVANTAGES OF TALLY
 APPLICATION MANAGEMENT AND CONTROLS
 GST



BENEFITS OF LEARNING TALLY

ONE OF THE FIRST TALLY COURSE BENEFITS IS THE ACCURACY OF INFORMATION. AFTER BEING DIVIDED INTO TALLY PRIME, YOUR DATA IS UNLIKELY TO BE LOST FOR ANY ILLIMITABLE REASONS
 THE SECOND ONE AMONG THE TALLY COURSE BENEFITS IS INFORMATION ASSURANCE. ONCE THE DATA IS STORED INSIDE THE SOFTWARE PACKAGE, THERE IS NOT EVEN THE SMALLEST POSSIBILITY OF DATA ALTERING
 HELPS TO MAINTAIN THE TRUST AND CONFIDENCE THAT ARE ESSENTIAL TO THE ACCOUNTING SECTOR
 THE FOURTH TALLY COURSE BENEFITS ARE THE USER-FRIENDLY EXPERIENCE.
 THE FIFTH TALLY COURSE BENEFITS ARE UNCOMPLICATED DATA MOVEMENT
 PROVIDING FILING ASSISTANCE FOR GST
 MAKING BUSINESS EASY WITH TALLY



JOB OPPORTUNITIES

- Accountants Officer
- Executive Assistant
- Accounting Clerk
- Accounting Associate
- Accounts Assistant
- Accounts Executive
- Accounts Supervisor
- Tally Operator
- Tally Accounts Manager
- Tally Accounts Executive
- Service Coordinate with Tally
- Tally Junior Accountant
- Tax Accountant
- Bookkeeper
- Investment Banker
- Financial Tally Analyst





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

THE COCHIN COLLEGE
KOOVAPADAM, KOCHI-2
AFFILIATED to MG UNIVERSITY, RE-ACCREDITED WITH B+ GRADE

DEPARTMENT OF COMMERCE (SF)
VALUE ADDED COURSE
OFFERED IN 2023-2024

- ▶ INTRODUCTION TO AI TOOLS
- ▶ TECHNOLOGY IN FINANCE

APPLY

<https://forms.gle/zJ3AppXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

INTRODUCTION TO AI TOOLS

HOURS: 30

COURSE OVERVIEW

This course introduces students to various AI tools available in India that can enhance learning, productivity, and creativity. The course is divided into three modules, focusing on AI basics, practical applications, and ethical considerations. By the end of the course, students will be able to effectively utilize AI tools to support their academic and personal goals.

Course Outcome

1. To introduce the basic concepts of AI and machine learning.
2. To explore the different types of AI tools available in India.
3. To equip students with hands-on experience in using AI tools
4. To demonstrate the practical benefits of AI in academic tasks.

Syllabus

Module 1

Definition and history of AI-Basic concepts: Machine learning, neural networks, deep learning-Overview of AI applications in everyday life - AI-powered learning platforms (e.g., Biju's, Topper)- Personalized learning and adaptive learning systems - AI tools for study assistance (e.g., chatbots, AI tutors)

Module 2

Healthcare: AI in diagnostics, virtual health assistants- Entertainment: AI in gaming, content recommendation - Industry: AI in automation and data analysis - AI note-taking tools (e.g., Google Keep, Notion)- AI for research and writing assistance (e.g., Grammarly, QuillBot)

Module 3

AI-based time management tools (e.g., Todoist, Trello) - AI for content creation (e.g., Canva, Lumen5)- AI in digital art and design (e.g., DeepArt, DALL-E)- Privacy concerns with AI tools. AI in higher education and career opportunities- Emerging AI technologies in India- The role of AI in solving global challenges





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Mode of Assessment

1. Quizzes: 20%
2. Assignments and Projects: 40%
3. Final Exam: 40%

References:

Online Resources:

- Coursera, edX (AI-related courses)
- YouTube channels (e.g., AI For Everyone)





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

TECHNOLOGY IN FINANCE

HOURS: 30

COURSE OVERVIEW

This course provides an introduction to the transformative role of technology in the finance sector, with a specific focus on India. It is structured into three modules, covering the fundamentals of fintech, emerging technologies, and regulatory frameworks. By the end of the course, students will have a solid understanding of how technology is shaping the financial landscape in India.

Course Outcome

1. To introduce students to the basics of financial technology (fintech).
2. To understand the various fintech services and their impact on traditional finance.
3. To introduce emerging technologies in the financial sector.
4. To provide an understanding of the regulatory environment governing fintech in India.

Syllabus

Module 1

Definition and history of fintech- Key drivers of fintech growth in India- Overview of the fintech ecosystem in India- Evolution of digital payments in India (e.g., UPI, mobile wallets)- Role of technology in promoting financial inclusion- Case studies: Paytm, PhonePe, and Google Pay- Peer-to-peer lending platforms- Digital credit and instant loan apps- Impact of fintech on the traditional banking sector

Module 2

Basics of blockchain technology- Overview of cryptocurrencies (e.g., Bitcoin, Ethereum)- Blockchain applications in finance: Smart contracts, remittances, and beyond- Role of big data in financial decision-making- Predictive analytics in finance- How Indian companies leverage big data for personalized financial services

Module 3

Introduction to regtech and its importance- Applications of regtech in compliance and reporting- Overview of financial regulations in India- Key regulators: RBI, SEBI, and IRDAI- Regulatory challenges in fintech: Compliance, data protection, and cybersecurity

Mode of Assessment

1. Quizzes: 20%
2. Assignments and Projects: 40%
3. Final Exam: 40%





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

References:

Online Resources:

- Reserve Bank of India (RBI) publications
- Fintech industry reports (e.g., NASSCOM, PwC)
- Online courses on Coursera, edX, etc.
 - Coursera, edX (AI-related courses)
 - YouTube channels (e.g., AI For Everyone)





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

 **THE COCHIN COLLEGE**
KOOVAPADAM, KOCHI-2
AFFILIATED TO MG UNIVERSITY, RE-ACCREDITED WITH B+ GRADE

DEPARTMENT OF COMMERCE
VALUE ADDED COURSE
OFFERED IN 2023-2024

- PERSONALITY DEVELOPMENT
- INTRODUCTION TO ALTERNATIVE INVESTMENT FUND

APPLY <https://forms.gle/zJ3ApbXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Add on Course Syllabus for Academic Year 2023-2024

POST GRADUATE AND RESEARCH DEPARTMENT OF COMMERCE

PERSONALITY DEVELOPMENT

Duration :30 Hours

Objectives of the Course :

- The course intends to develop talent, facilitate employability enabling the incumbent to excel and sustain in a highly competitive world of business.
- The programme aims to bring about personality development with regard to the different behavioural dimensions that have far reaching significance in the direction of organisational effectiveness.
- To make students know about self-awareness, life skills, soft skills, need for personal development etc.

Course Overview :

- The student will be able to understand, analyse develop and exhibit accurate sense of self.
- Think critically.
- Demonstrate knowledge of personal beliefs and values and a commitment to continuing personal reflection and reassessment.
- Learn to balance confidence with humility and overcome problems associated with personality.

Eligibility : B.Com Taxation and B.Com Marketing

UNIT I Introduction to Personality Development

The concept of personality - Dimensions of personality – Theories of Freud & Erickson- Significance of personality development. The concept of success and failure: What is success? - Hurdles in achieving success - Overcoming hurdles - Factors responsible for success – What is failure - Causes of failure. SWOT analysis.

UNIT II Attitude & Motivation

Attitude - Concept - Significance - Factors affecting attitudes - Positive attitude – Advantages – Negative attitude- Disadvantages - Ways to develop positive attitude - Differences between personalities having positive and negative attitude. Concept of motivation - Significance – Internal and external motives - Importance of self- motivation- Factors leading to demotivation

UNIT III Self-esteem

Term self-esteem - Symptoms - Advantages - Do's and Don'ts to develop positive self-esteem – Low self-esteem - Symptoms - Personality having low self esteem - Positive and negative self esteem. Interpersonal Relationships – Defining the difference between aggressive, submissive and assertive behaviours – Lateral thinking.



Name of Addressee





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

SEBI (AIF) Regulations 2012, General Provisions of the Foreign Exchange Management Act 1999 (FEMA), Foreign Investment in Category I and II AIF registered in IFSC (7 hours)

Module 5 – Alternative Investment Fund Structuring

Principle of Pooling, General 'pooling' Consideration, Templates for AIF Structuring, Basics of Risk & Return, Nature of Equity Investments (3 hours)

Suggested Readings

1. Study material from National Institute of Securities Market AIF (Category I)
2. www.sebi.gov.in





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



• TALLY

BASIC ACCOUNTING - JOURNAL ENTRY
 FUNDAMENTALS OF TALLY.
 ACCOUNTING MASTERS IN TALLY.
 COMPANY CREATION ACCOUNTING AND
 INVENTORY MASTERS
 VOUCHER ENTRY IN TALLY.
 PURCHASE AND SALES MANAGEMENT
 ORDER PROCESSING
 INVENTORY MANAGEMENT WAREHOUSE
 MANAGEMENT BANKING
 MANUFACTURING PROCESS
 COST CENTERS
 STATUTORY TAXATION - BUDGET VARIANCE
 CHEQUE PRINTING
 BACK AND RESTORE
 SECURITY SYSTEM
 SPLIT COMPANY DATA
 REPORT PRINTING.
 GOODS AND SERVICES TAX (GST).
 BANK RECONCILIATION
 BACK UP & RESTORE
 EXPORT-IMPORT

SPLITTING OF COMPANY DATA
 JOB COSTING
 TAX DEDUCTED AT SOURCE
 TAX COLLECTED AT SOURCE
 PAYROLL ACCOUNTING AND COMPLIANCE
 TECHNOLOGICAL ADVANTAGES OF TALLY
 APPLICATION MANAGEMENT AND CONTROLS
 GST



BENEFITS OF LEARNING TALLY

ONE OF THE FIRST TALLY COURSE BENEFITS IS THE ACCURACY OF INFORMATION. AFTER BEING ENTERED INTO TALLY PRIME, YOUR DATA IS UNLIKELY TO BE LOST FOR ANY ILLIMITABLE REASONS

THE SECOND ONE AMONG THE TALLY COURSE BENEFITS IS INFORMATION ASSURANCE. ONCE THE DATA IS STORED INSIDE THE SOFTWARE PACKAGE, THERE IS NOT EVEN THE TINIEST POSSIBILITY OF DATA ALTERING

HELPS TO MAINTAIN THE TRUST AND CONFIDENCE THAT ARE ESSENTIAL TO THE ACCOUNTING SECTOR

THE FOURTH TALLY COURSE BENEFITS ARE THE USER-FRIENDLY EXPERIENCE.

THE FIFTH TALLY COURSE BENEFITS ARE UNCOMPLICATED DATA MOVEMENT

PROVIDING FILING ASSISTANCE FOR GST

MAKING BUSINESS EASY WITH TALLY



JOB OPPORTUNITIES

Accountants Officer
 Executive Assistant
 Accounting Clerk
 Accounting Associate
 Accounts Assistant
 Accounts Executive
 Accounts Supervisor
 Tally Operator
 Tally Accounts Manager
 Tally Accounts Executive
 Service Coordinate with Tally
 Tally Junior Accountant
 Tax Accountant
 Bookkeeper
 Investment Banker
 Financial Tally Analyst

Reserve
 in College Notice





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in



DEPARTMENT OF BUSINESS ADMINISTRATION

VALUE ADDED Course

OFFERED IN 2023-2024

- Organisational Development and Change
- Career Counselling



APPLY

<https://forms.gle/zJ3ApbXmTTb37KYW9>



Mrudula Menon V.
Mrudula Menon V.
Principal-in-Charge
The Cochin College



THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (120 HRS)



All your courses in one place.

We are the future of your career

• LOGISTICS

INDIAN MARITIME SECURITY
GENERAL MARITIME CLAIMS
TOWAGE AND PILOTAGE
SUPPLIES, REPAIRS AND DOCK CHARGES
BOTTOMRY/ADMIRALTY /MARITIME LAW
IMPORTANCE, SCOPE AND SIGNIFICANCE
SHIPPING DOCUMENTS
COMMERCIAL INVOICE
CERTIFICATES
PACKING LIST
EXPORT/ IMPORT CUSTOMS DECLARATIONS
BILLS OF LADING
ARRIVAL NOTICE
CERTIFICATE OF ORIGIN
MULTI- MODAL COMBINED
TRANSPORT DOCUMENT
BILLS OF ENTRY
DOCUMENTS FOR EXPORT AND IMPORT
LETTER OF CREDIT
MARINE INSURANCE
PRINCIPLES OF MARINE INSURANCE
MARINE INSURANCE POLICIES IN INDIA
SCOPE OF MARINE INSURANCE
COASTAL SECURITY IN INDIA
CASES, ANALYSIS AND STUDIES
SUPPLY CHAIN MANAGEMENT
PROCUREMENT PROCESS SUPPLIER
RELATIONSHIP MANAGEMENT AND CUSTOMER
RELATIONSHIP MANAGEMENT
MATERIAL REQUIREMENT PLANNING
SUPPLY CHAIN PARTNERS
LOGISTICS MANAGEMENT (WAREHOUSING AND
TRANSPORTATION)
LOGISTICS MANAGEMENT INTRO-TERMS
WAREHOUSING:
WAREHOUSE OPERATIONAL PRINCIPLES

WAREHOUSE DESIGN AND PRINCIPLES
INVENTORY MANAGEMENT
TRANSPORTATION IN LOGISTICS
PORT AND DOCKS
CONTAINER TERMINAL OPERATION AND CARGO HANDLING
PORT MANAGEMENT
VESSEL ENTRY AND CLEARANCE PROCEDURES
PORT OPERATIONS FOR INCOMING VESSELS
CONTAINER SHIP SAFE CARGO-OPERATIONS
DEPLOYMENT AND MONITORING OF MOORING
INSTRUCTION FOR DECK WATCH KEEPING IN PORT
TYPES OF SHIPPING CONTAINERS
CONTAINER STOWAGE ON CONTAINER SHIP
HANDLING DANGEROUS CARGO, BREAK BULK, AND -
OOG CARGO HANDLING OF REEFER CONTAINERS
OPERATION OF OIL TANKERS
BUNKERING, TRANSSHIPMENT, CONTAINER CRANE, AND CSI 15.
PORT DISBURSEMENT
OPERATION TERMS AND ABBREVIATIONS
GEOGRAPHY
STRUCTURE OF SHIPS
TYPES OF SHIPS
TYPES OF CARGO
INTERNATIONAL MARITIME ORGANISATION
CONTAINERIZATION
INTERNATIONAL SHIPPING MARKET
MARINE INSURANCE
MARINE SALVAGE
CHARTERING
INTL SHIPPING TERMS
COASTAL SHIPPING
HISTORICAL DEVELOPMENT IN SCM
BULL WHIP EFFECT
TOTAL QUALITY MANAGEMENT
CRM
STRATEGIC SALES PLANNING FOR SMALL BUSINESS
ENTERPRISE RESOURCE MANAGEMENT
MANAGEMENT INFORMATION SYSTEM

REVERSE LOGISTICS
MATERIAL REQUIREMENT PLANNING
THEORY OF CONSTRAINTS
LOGISTICS MANAGEMENT
WAREHOUSING
WAREHOUSE OPERATION PRINCIPLES
WAREHOUSE DESIGN AND PRINCIPLES
INVENTORY MANAGEMENT
TRANSPORTATION IN LOGISTICS
SUPPLY CHAIN MANAGEMENT
PROCUREMENT PROCESS SUPPLIER RELATIONSHIP
MANAGEMENT AND CUSTOMER
RELATIONSHIP MANAGEMENT
MATERIAL REQUIREMENT PLANNING
SUPPLY CHAIN PARTNERS

BENEFITS OF LEARNING LOGISTICS

- YOU CAN FIND STEADY WORK IN SEVERAL INDUSTRIES.
- INTERNATIONAL WORK OPPORTUNITIES
- ACCORDING TO THE BUREAU OF LABOR STATISTICS (BLS) THE JOB OUTLOOK FOR LOGISTICIANS IS POSITIVE
- THE MEDIAN ANNUAL WAGE FOR LOGISTICIANS IS \$76,270, ACCORDING TO RESEARCH PROVIDED BY THE BLS IN MAY 2020
- SEVERAL MANAGEMENT OPPORTUNITIES THROUGHOUT YOUR CAREER

JOB OPPORTUNITIES

PURCHASING MANAGER
OPERATIONS MANAGEMENT
PROCUREMENT SPECIALIST
PRODUCTION PLANNER
BUSINESS ANALYST
COMMODITIES MANAGER
INVENTORY SPECIALIST
VENDOR MANAGER
INVENTORY CONTROLLER
WAREHOUSE OPERATIONS MANAGER
SYSTEMS SUPPORT MANAGER
LOGISTICS CONSULTANT
CARGO OPERATIONS CONSULTANT
LOGISTICIAN
QUALITY MANAGER
TRANSPORT MANAGEMENT
SUPPLY CHAIN MANAGER
LOGISTICS ANALYST
WAREHOUSE MANAGER
DISTRIBUTION MANAGER
MATERIALS MANAGER
PROCUREMENT MANAGER
CARGO MANAGER CUSTOMER SERVICE MANAGER
PROCESS ASSOCIATE CONSULTANT
LOGISTICS ENGINEER

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• TALLY

BASIC ACCOUNTING - JOURNAL ENTRY
 FUNDAMENTALS OF TALLY.
 ACCOUNTING MASTERS IN TALLY.
 COMPANY CREATION ACCOUNTING AND INVENTORY MASTERS
 VOUCHER ENTRY IN TALLY.
 PURCHASE AND SALES MANAGEMENT
 ORDER PROCESSING
 INVENTORY MANAGEMENT WAREHOUSE MANAGEMENT BANKING
 MANUFACTURING PROCESS
 COST CENTERS
 STATUTORY TAXATION - BUDGET VARIANCE
 CHEQUE PRINTING
 BACK AND RESTORE
 SECURITY SYSTEM
 SPLIT COMPANY DATA
 REPORT PRINTING.
 GOODS AND SERVICES TAX (GST)
 BANK RECONCILIATION
 BACK UP & RESTORE
 EXPORT-IMPORT

SPLITTING OF COMPANY DATA
 JOB COSTING
 TAX DEDUCTED AT SOURCE
 TAX COLLECTED AT SOURCE
 PAYROLL ACCOUNTING AND COMPLIANCE
 TECHNOLOGICAL ADVANTAGES OF TALLY
 APPLICATION MANAGEMENT AND CONTROLS
 GST



BENEFITS OF LEARNING TALLY

ONE OF THE FIRST TALLY COURSE BENEFITS IS THE ACCURACY OF INFORMATION. AFTER BEING ENTERED INTO TALLY PRIME, YOUR DATA IS UNLIKELY TO BE LOST FOR ANY ILLIMITABLE REASONS

THE SECOND ONE AMONG THE TALLY COURSE BENEFITS IS INFORMATION ASSURANCE. ONCE THE DATA IS STORED INSIDE THE SOFTWARE PACKAGE, THERE IS NOT EVEN THE TINIEST POSSIBILITY OF DATA ALTERING

HELPS TO MAINTAIN THE TRUST AND CONFIDENCE THAT ARE ESSENTIAL TO THE ACCOUNTING SECTOR

THE FOURTH TALLY COURSE BENEFITS ARE THE USER-FRIENDLY EXPERIENCE.

THE FIFTH TALLY COURSE BENEFITS ARE UNCOMPLICATED DATA MOVEMENT

PROVIDING FILING ASSISTANCE FOR GST

MAKING BUSINESS EASY WITH TALLY

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

Accountants Officer
 Executive Assistant
 Accounting Clerk
 Accounting Associate
 Accounts Assistant
 Accounts Executive
 Accounts Supervisor
 Tally Operator
 Tally Accounts Manager
 Tally Accounts Executive
 Service Coordinate with Tally
 Tally Junior Accountant
 Tax Accountant
 Bookkeeper
 Investment Banker
 Financial Tally Analyst





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• DIGITAL MARKETING

- SOCIAL MEDIA MARKETING / ONLINE MARKETING
- WHY OUR BUSINESS NEEDS TO BE ON SOCIAL MEDIA
- WHICH SOCIAL PLATFORMS MAKE THE MOST SENSE TO USE
- HOW TO CREATE SOCIAL MEDIA GOALS
- POST OUR SOCIAL MEDIA CONTENT

MOBILE MARKETING
EMAIL MARKETING
PAY-PER-CLICK MARKETING

CREATE SOCIAL MEDIA POSTER
FACEBOOK
INSTAGRAM
TWITTER
OLX ETC.



BENEFITS OF LEARNING DIGITAL MARKETING

- DISCOVER THE PROFESSIONAL IN YOU
- EMBARK YOUR CAREER
- A WIDE RANGE OF CAREER OPTIONS
- BETTER SALARY (MOST FASCINATING ADVANTAGE OF DIGITAL MARKETING COURSE)
- FLEXIBILITY IN WORK SCHEDULE
- DEPLOYMENT OF SKILLS FROM ONE COMPANY TO ANOTHER
- EXHIBIT CREATIVITY
- EFFICACIOUS AND EXTREMELY COST-EFFECTIVE
- TRACKABLE AND MEASURABLE RESULTS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- DIGITAL MARKETING MANAGER
- SEARCH ENGINE OPTIMIZER (SEO EXECUTIVE)
- SOCIAL MEDIA MARKETING EXPERT
- CONTENT MARKETING MANAGER
- COPYWRITER
- SEARCH ENGINE MARKETER/ SPECIALIST
- INBOUND MARKETING MANAGER
- CONVERSION RATE OPTIMIZER
- WEBSITE CONTENT WRITER
- WEB DEVELOPER
- ETC.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (100 HRS)



All your courses in one place.

We are the future of your career

• MEDICAL CODING

INTRODUCTION TO MEDICAL CODING

ANATOMY
MEDICAL TERMINOLOGY
INTRODUCTION OF HUMAN BODY

ICD -10-CM
INTRODUCTION TO ICD - INTERNATIONAL CLASSIFICATION OF DISEASE
CONVENTIONS & GENERAL CODING GUIDELINES

CPT-CURRENT PROCEDURAL TERMINOLOGY
INTRODUCTION TO CPT
CPT MODIFIERS CLASS
GENERAL CODING GUIDELINES

HCPCS
INTRODUCTION TO HCPCS
HCPCS MODIFIERS
CODING



BENEFITS OF LEARNING MEDICAL CODING

IF YOU ARE CONSIDERING MEDICAL CODING AS A CAREER, BUT ARE STILL QUITE SCEPTICAL, THEN HERE ARE A FEW BENEFITS THAT YOU CANNOT IGNORE:

- DEMAND IS HIGH FOR CERTIFIED MEDICAL CODERS
- COMPETENT PAY PACKAGE
- A STABLE CAREER OPTION
- REMOTE WORKING OPTIONS

JOB OPPORTUNITIES

- MEDICAL CODING AND BILLING
- URGENT CARE CLINICS
- SPORTS MEDICINE CLINICS
- MENTAL HEALTH PRACTICES
- HOSPICES
- TELEHEALTH PROVIDERS
- COLLECTION AGENCIES
- RISK ADJUSTMENT VENDORS
- INSURANCE COMPANIES
- PROFESSIONAL LIABILITY COMPANIES
- FEDERAL GOVERNMENT AGENCIES
- INFORMATION TECHNOLOGY SERVICES
- LAW FIRMS
- DENTAL OFFICES
- DURABLE MEDICAL EQUIPMENT AND SUPPLY VENDORS
- PHYSICAL THERAPY CENTERS
- LONG-TERM CARE FACILITIES
- HOME HEALTH AGENCIES
- CONSULTING FIRMS
- EHR SOFTWARE VENDORS
- ACCOUNTABLE CARE ORGANIZATIONS
- WORKMAN'S COMPENSATION COMPANIES
- STATE GOVERNMENT AGENCIES
- CAREER COLLEGES
- MEDICAL BILLING SERVICE
- MEDICAL LABORATORIES
- REHABILITATION SERVICES
- CLEARINGHOUSES
- CANCER REGISTRIES
- IMAGING CENTERS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• IELTS

LISTENING

PRACTISING ALL QUESTION TYPES. (MONOLOGUES, DIALOGUE, CONVERSATION)
RECOGNISING INTONATION PATTERNS (QUESTIONS, SURPRISE ETC)
VARIETIES OF SPOKEN ENGLISH, INCLUDING AUSTRALIAN, BRITISH, NORTH AMERICAN AND NEW ZEALAND
LISTENING FOR SPECIFIC INFORMATION, KEYWORDS, GENERAL INFORMATION, NUMBERS, TRANSITION SIGNALS AND DISCOURSE MARKERS (FIRSTLY, SECONDLY, OBVIOUSLY, FURTHERMORE, INDEED).

READING

PRACTISING 3 SECTION OF READING TESTS.
SKIMMING (TO GET A GENERAL UNDERSTANDING)
SCANNING (LOOKING FOR SPECIFIC INFORMATION)
DEVELOPING VOCABULARY
SUMMARISING
DETERMINING THE WRITER'S ATTITUDE AND OPINION.

WRITING

PRACTISING ESSAY , GRAPH / DIAGRAM DESCRIPTION.
ADJUSTING STYLE ACCORDING TO PURPOSE.
WRITING PARAGRAPHS, INTRODUCTIONS AND CONCLUSIONS.
USING CONJUNCTIONS AND REFERENTS.
ORGANISING INFORMATION LOGICALLY WITHIN A TEXT.
USING EXAMPLES AND EVIDENCE TO SUPPORT AN ARGUMENT.

PEAKING

PRACTISING ALL QUESTION TYPES.
PRACTISING PRONUNCIATION AND INTONATION.
PRACTISING FLUENCY.
USING AND UNDERSTANDING COMMON PHRASES.
INTERACTING WITH OTHER SPEAKERS.
SPEAKING FOR AN EXTENDED TIME ON A PARTICULAR TOPIC.
PRACTICE HOW TO DEVELOP A CONTENT

IELTS™

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



BENEFITS OF LEARNING IELTS

BEING ABLE TO COMMUNICATE IN ENGLISH CONNECTS YOU TO A LARGER WORLD.
CURRENTLY, ABOUT 20% OF THE WORLD'S POPULATION SPEAKS ENGLISH, ALTHOUGH MOST AREN'T NATIVE SPEAKERS. ENGLISH IS ALSO THE WORLD'S MOST-STUDIED FOREIGN LANGUAGE. WITH SO MANY PEOPLE STUDYING AND LEARNING ENGLISH, PROFICIENCY EXAMS LIKE IELTS HELP ADMISSIONS OFFICERS AND PROSPECTIVE EMPLOYERS TO GET AN ACCURATE PICTURE OF YOUR CURRENT ENGLISH LEVEL.

TAKING THE IELTS TEST CAN ENHANCE YOUR EMPLOYMENT PROSPECTS
EXCELLENT COMMUNICATION SKILLS ARE ESSENTIAL THESE DAYS AS FIFTY-FIVE COUNTRIES HAVE ENGLISH AS THEIR FIRST LANGUAGE. DEMONSTRATING A GOOD COMMAND OF THE LANGUAGE COULD OPEN UP OPTIONS FOR YOU TO PURSUE A CAREER IN A FOREIGN COUNTRY

THE PROCESS OF PREPARING TO TAKE THE IELTS TEST WILL SIGNIFICANTLY IMPROVE YOUR ENGLISH SKILLS

IF YOU'RE TAKING IELTS ACADEMIC TO GET INTO YOUR DREAM UNIVERSITY, THE PROCESS OF STUDYING FOR THE EXAM WILL HELP YOU PREPARE FOR ACADEMIC LIFE

PROVING YOUR ENGLISH LANGUAGE SKILLS CAN HELP YOU GET A NEW JOB OR A PROMOTION IN YOUR HOME COUNTRY AND ABROAD. YOUR IELTS SCORE ON YOUR RESUME WILL SHOW FUTURE EMPLOYERS THAT YOU ARE A SERIOUS AND COMMITTED CANDIDATE.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• C++ (BSC COMPUTER APPLICATION)

ELEMENTS OF PROGRAMMING AND FUNCTION INTRODUCTION: BASIC ELEMENTS OF PROGRAMMING, CONSOLE I/O OPERATIONS, FUNCTION: FUNCTION PROTOTYPING, CALL AND RETURN BY REFERENCE, INLINE FUNCTION, DEFAULT AND CONST ARGUMENTS, FUNCTION OVERLOADING, ARRAYS, MANIPULATORS AND ENUMERATION.

CLASSES AND OBJECT ORIENTED METHODOLOGY: BASIC CONCEPTS/CHARACTERISTICS OF OOP. ADVANTAGES AND APPLICATION OF OOPS, PROCEDURAL PROGRAMMING VS OOP. CLASSES AND OBJECTS: SPECIFYING A CLASS, CREATING OBJECTS, PRIVATE & PUBLIC DATA MEMBERS AND MEMBER FUNCTIONS, DEFINING INLINE MEMBER FUNCTIONS, STATIC DATA MEMBERS AND MEMBER FUNCTIONS. ARRAYS WITHIN CLASS, ARRAYS OF OBJECTS, OBJECTS AS FUNCTION ARGUMENTS, RETURNING OBJECTS.

CONSTRUCTORS, DESTRUCTORS, OPERATORS OVERLOADING AND INHERITANCE. CONSTRUCTORS AND DESTRUCTORS: INTRODUCTION, PARAMETERIZED CONSTRUCTORS, MULTIPLE CONSTRUCTORS IN A CLASS, CONSTRUCTORS WITH DEFAULT ARGUMENTS, DYNAMIC INITIALIZATION OF OBJECTS, COPY CONSTRUCTORS, DYNAMIC CONSTRUCTORS, CONST OBJECTS, DESTRUCTORS OPERATORS OVERLOADING: DEFINITION, UNARY AND BINARY OVERLOADING, RULES FOR OPERATOR OVERLOADING. INHERITANCE: DEFINING DERIVED CLASSES, TYPES OF INHERITANCE, CONSTRUCTORS AND DESTRUCTORS IN DERIVED CLASSES.

POINTERS VIRTUAL & FRIEND FUNCTIONS AND FILE HANDLING POINTERS: POINTER TO OBJECTS, THIS POINTER, „NEW“ AND „DELETE“ OPERATORS, VIRTUAL FUNCTION, FRIEND FUNCTIONS. OPENING, CLOSING A FILE, FILE MODES, FILE POINTERS AND THEIR MANIPULATION, SEQUENTIAL INPUT AND OUTPUT OPERATIONS: UPDATING A FILE, RANDOM ACCESS, AND ERROR HANDLING DURING FILE OPERATIONS, COMMAND LINE ARGUMENTS.

BENEFITS OF LEARNING C++

C++ (OR "C-PLUS-PLUS") IS A GENERAL-PURPOSE PROGRAMMING AND CODING LANGUAGE. C++ IS USED IN DEVELOPING BROWSERS, OPERATING SYSTEMS, AND APPLICATIONS, AS WELL AS IN-GAME PROGRAMMING, SOFTWARE ENGINEERING, DATA STRUCTURES, ETC. ALMOST ALL THE PROGRAMS AND SYSTEMS THAT YOU USE OR A PART OF THEIR CODEBASE IS WRITTEN EITHER IN C OR C++. BE IT WINDOWS, A WEB BROWSER, YOUR FAVORITE GAME, OR A VIDEO EDITING SOFTWARE, THE USES OF C++ CAN BE FOUND IN ALMOST ALL APPLICATIONS TODAY.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

IT SOFTWARE DEVELOPER
SOFTWARE ENGINEER
SOFTWARE TEST ENGINEER
TECHNICAL SALES ENGINEER
C++ DEVELOPER
TYPESCRIPT, CSS, C++ DEVELOPER
C/C++ SYSTEM PROGRAMMING MANAGER
COMPUTER VISION/IMAGE PROCESSING EXPERT - C/C++
C++ LANGUAGE TRAINER
JAVA DEVELOPER WITH C++
R & D DEVELOPMENT ENGINEER (C++ DEVELOPER)
SENIOR MTS - C++ DEVELOPER, BUILD SYSTEMS (MAKE, SCONS, BAZEL)
CROSS LANGUAGE DEVELOPER
WORDPRESS DEVELOPER
APP DEVELOPER
ANDROID APPLICATION DEVELOPER
WEB BROWSER





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in
one place.

We are the future of
your career

• ENERGY GENERATION FROM WASTE

INTRODUCTION TO BIOFUELS
HYDROGEN PRODUCTION THROUGH THERMOCHEMICAL CONVERSION OF DRY BIOMASS
BIOETHANOL PRODUCTION FROM BIOMASS AND BIOMASS WASTE
BIO DIESEL PRODUCTION FROM BIOMASS WASTE AND VEGETABLE OIL
METHODS USED FOR THE ANALYSIS OF THE ORGANIC AND INORGANIC CARBON CONTENT IN WASTE AND WASTEWATER:
BIOTECHNOLOGICAL PROCESS - FUNDAMENTAL AND PRINCIPLES OF THE KINETICS OF BIOLOGICAL REACTIONS:
BIOTECHNOLOGICAL PROCESSES - DESIGN OF BIOLOGICAL REACTORS:
ANAEROBIC DIGESTION (FOR BIOGAS GENERATION):
THE COUPLING OF THERMOCHEMICAL SYSTEMS WITH ANAEROBIC DIGESTION AND PHYSICAL AND CHEMICAL REMOVAL
OF CO₂ FROM BIOGAS TO PRODUCE RENEWABLE NATURAL GAS:
BIOGAS UPGRADING TO BIOMETHANE: POWER-TO-GAS WITH EX-SITU BIOMETHANATION:
MICROBIAL CHAIN ELONGATION AND SYNGAS FERMENTATION AFTER GASIFICATION OF BIOMASS:

BENEFITS OF LEARNING ENERGY GENERATION FROM WASTE

THE COURSE DEALS WITH THE GENERATION OF ENERGY FROM DIFFERENT TYPES OF WASTES THROUGH THERMAL, BIOLOGICAL AND CHEMICAL ROUTES. IT IS INTENDED TO HELP THE YOUNG SCIENTIFIC PROFESSIONALS TO KEEP THEIR KNOWLEDGE UPGRADED WITH THE CURRENT THOUGHTS AND NEWER TECHNOLOGY OPTIONS ALONG WITH THEIR ADVANCES IN THE FIELD OF THE UTILIZATION OF DIFFERENT TYPES OF WASTES FOR ENERGY PRODUCTION.
DUE TO FAST URBANIZATION AT A FASTER RATE VARIOUS SMALL TOWN CONVERTED IN TO BIG TOWN AND POPULATION IS INCREASING DAY BY DAY. BY INCREASE OF POPULATION PER CAPITA WASTE GENERATION IS INCREASING DAY BY DAY AND REQUIRES LOTS OF ATTENTION FOR MANAGING THE WASTE. ENERGY GENERATION FROM WASTE IS AN OPTION FOR MANAGING SOLID WASTE IN CITIES. BY GENERATING ENERGY FROM WASTE IS NOT ONLY REDUCING WASTE VOLUME BUT ALSO DEVELOPMENT CLEAN ENVIRONMENT.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

ENGINEER- WASTE AND PRODUCTS MANAGEMENT
DISTRICT COORDINATOR
FULLSTACK DEVELOPER
SENIOR/LEAD ENGINEER - WASTE WATER MODELING
CHEMICAL PROCESS ENGINEER
ENVIRONMENTAL ENGINEER
WASTE MANAGEMENT TRAINER
CONSULTANT
ANALYST
SUSTAINABILITY MANAGER
RESEARCH ANALYST
BUSINESS DEVELOPMENT MANAGER (ENERGY)
ASSOCIATE RESEARCH ADVISOR
PROGRAMME ASSOCIATE
JUNIOR PROPOSAL ENGINEER (WATER & WASTEWATER DESIGN)
GOV.DEPARTMENT JOBS RELATED TO ENERGY





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• ENVIRONMENTAL POLLUTION

DEFINITION , CAUSES, EFFECTS AND CONTROL MEASURES OF :

- A. AIR POLLUTION
- B. WATER POLLUTION(THERMAL AND MARINE POLLUTION)
- C. LAND POLLUTION
- D. RADIATION POLLUTION AND NUCLEAR HAZARD.
- E. NOISE POLLUTION

SOLID WASTE MANAGEMENT: CAUSES , EFFECTS AND CONTROL MEASURES.

GLOBAL WARMING AND THE GREENHOUSE EFFECT

POLLUTION CONTROL, MONITORING AND MANAGEMENT



BENEFITS OF LEARNING ENVIRONMENTAL POLLUTION

THIS MSC IS IDEALLY SUITED FOR STUDENTS LOOKING TO GAIN A GREATER UNDERSTANDING OF ENVIRONMENTAL SCIENCE, SPECIFICALLY ISSUES RELATED TO POLLUTION AND REMEDIATION. STUDENTS WILL GAIN A WIDE APPRECIATION FOR THE IMPACT THAT DIFFERENT POLLUTANTS HAVE IN THE ENVIRONMENT, HOW THESE POLLUTANTS WOULD BE QUANTIFIED, AND STRATEGIES FOR THERE REMEDIATION.THIS PROGRAMME WILL SUIT STUDENTS LOOKING FOR CAREERS IN ENVIRONMENTAL CONSULTANCY, ENVIRONMENTAL ENGINEERING, THE ENERGY SECTOR AND REGULATORS. THE PROGRAMME IS ALSO SUITED FOR STUDENTS LOOKING TO UNDERTAKE A HIGHER DEGREE IN ENVIRONMENTAL SCIENCE. THIS COURSE WILL GIVE YOU THE SKILLS TO DIAGNOSE AND MITIGATE ENVIRONMENTAL POLLUTION ISSUES

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

- POLLUTION CONTROL OFFICER
- ASSISTANT MANAGER - ENVIRONMENT
- SENIOR PROJECT/RESEARCH ASSOCIATE (AIR QUALITY)
- PROGRAMME OFFICER FOR INDUSTRIAL POLLUTION PROGRAMME
- ENVIRONMENT ENGINEER
- SITE MONITORING ENGINEERS
- PROJECT EXECUTIVE
- ASSISTANT ENVIRONMENT ENGINEER
- AIR EMISSIONS EXPERT
- VEHICLE POLLUTION TESTER
- SALES MANAGER - AIR POLLUTION CONTROL
- HEAD - ENVIRONMENT MONITORING LABORATORY
- RESEARCH SCIENTIST
- DESIGN ENGINEER FOR AIR POLLUTION CONTROL
- AIR QUALITY DATA ANALYST
- WATER QUALITY ANALYST





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (30 HRS)



All your courses in one place.

We are the future of your career

• DISASTER MANAGEMENT

DEFINITION AND TYPES OF DISASTER HAZARDS AND DISASTERS, RISK AND VULNERABILITY IN DISASTERS, NATURAL AND MAN-MADE DISASTERS, EARTHQUAKES, FLOODS DROUGHT, LANDSIDE, LAND SUBSIDENCE, CYCLONES, VOLCANOES, TSUNAMI, AVALANCHES, GLOBAL CLIMATE EXTREMES. MAN-MADE DISASTERS: TERRORISM, GAS AND RADIATIONS LEAKS, TOXIC WASTE DISPOSAL, OIL SPILLS, FOREST FIRES.

STUDY OF IMPORTANT DISASTERS EARTHQUAKES AND ITS TYPES, MAGNITUDE AND INTENSITY, SEISMIC ZONES OF INDIA, MAJOR FAULT SYSTEMS OF INDIA PLATE, FLOOD TYPES AND ITS MANAGEMENT, DROUGHT TYPES AND ITS MANAGEMENT, LANDSIDE AND ITS MANagements CASE STUDIES OF DISASTERS (E.G) EARTHQUAKES, LANDSIDE). SOCIAL ECONOMICS AND ENVIRONMENTAL IMPACT OF DISASTERS.

MITIGATION AND MANAGEMENT TECHNIQUES OF DISASTER BASIC PRINCIPLES OF DISASTERS MANAGEMENT, DISASTER MANAGEMENT CYCLE, DISASTER MANAGEMENT POLICY, NATIONAL AND STATE BODIES FOR DISASTER MANAGEMENT, EARLY WARNING SYSTEMS, BUILDING DESIGN AND CONSTRUCTION IN HIGHLY SEISMIC ZONES, RETROFITTING OF BUILDINGS.

BENEFITS OF LEARNING DISASTER MANAGEMENT

MILLIONS OF PEOPLE ARE AFFECTED BY DISASTERS EACH YEAR. EFFECTIVE DISASTER MANAGEMENT IS ESSENTIAL TO REDUCE SUFFERING AND SUPPORT THOSE AFFECTED. DISASTER MANAGEMENT CAN HELP TO ENHANCE THE ABILITY OF EMERGENCY RESPONDERS TO SAVE LIVES. WHEN APPROPRIATE INFRASTRUCTURE IS SET UP AND TRAINING IS COMPLETED TO IMPROVE DISASTER RESPONSE, COMMUNITIES CAN SURVIVE THE STRESS AND DISTRESS CAUSED BY DISASTERS. DISASTERS AND EMERGENCIES HAVE BEEN INCREASING ALL OVER THE WORLD. TODAYS, WITH TECHNOLOGICAL ADVANCEMENT, ACQUIRING KNOWLEDGE AND ITS APPLICATION IN THE REALM OF ACTION IS REGARDED AS THE ONLY EFFECTIVE WAY FOR PREVENT DISASTERS OR REDUCING ITS EFFECTS.

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com



JOB OPPORTUNITIES

METEOROLOGIST
HAZARD ANALYST
DISASTER RECOVERY MANAGER
SENIOR PRODUCT MANAGER [BUSINESS CONTINUITY AND DISASTER RECOVERY, STORAGE]
DISASTER RISK REDUCTION MANAGER
FIRE & SAFETY MANAGER
DISASTER SECURITY / PROTECTION MANAGER
SENIOR SPECIALISTS
BACKUP ADMINISTRATOR
ENTERPRISE RISK MANAGER
INSTALLATION MANAGER
DISASTER RECOVERY TESTING PROFESSIONAL
SAFETY EXECUTIVE
FACILITY MANAGER
DISASTER RECOVERY STAFF ENGINEER





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

DEPARTMENT OF BUSINESS ADMINISTRATION VALUE ADDED COURSE

Name of the course : **Organisational Development and Change**

COURSE CODE:ADBBA2313

Duration of the course : 30 hrs.

Academic year:- 2023- 2024 (2nd year BBA)

Coordinator : Rajitha P M

Course Overview

This course help to understand the concept of Managing change, types of change, factors contributing to change and how culture plays an important part in bringing change in organisations.

And to identifying the issues leading to change and finally explains after obtaining the feedback how they should be analysed to bring change in the organisations

Objective of the course

This course explains the importance of Organisational development and how change is a part of organisational dynamics.

To scope with the changing business scenario

Course out come

A course in Organizational Development and Change typically aims to achieve several key outcomes that equip students with the knowledge and skills necessary to understand, facilitate, and manage organizational change effectively.

Syllabus

Module 1:- CONCEPT OF MANAGING CHANGE (10 hours)

Developing the Change Mindset -Categories of Business Change -Types of Change - Change: The Challenge of Transformation

Module 2 :- ORGANISATIONAL DEVELOPMENT (10 hours)

Definitions and meanings of organisation development - Stages of Organisation Development - Essentials for Success of Organisational Development - Organisational Diagnosis -Methods of Organisational Analysis - Practical Perspectives on Organisational Analysis - Questionnaire as a diagnostic tool - Interview as a Diagnostic Tool - Workshops, Taskforces and Other Methods

Module 3:- FORMS OF ORGANISATIONAL CHANGE (10 hours)

Merger and Acquisition - Meaning -Types of Mergers - Purpose of Merger and Acquisition - Alternatives to Mergers and Acquisitions - Turnaround management - Meaning - Kinds of Turnaround Situation - Process-based Change - Meaning -methods

Mode of Assessment

Final examination :comprehensive exam covering all course topics

Reference Book

Organization Development: The Process of Leading Organizational Change" by Donald R. Anderson

Organization Development: A Practitioner's Guide for OD and HR" by Mee-Yan Cheung-Judge and Linda Holbeche

Leading Change" by John P. Kotter:





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thechochincollege.edu.in

email: email@thechochincollege.edu.in

Career Counselling

COURSE CODE: ADBBA2314

Coordinator : Betna Rodrigues

Course Overview

A career counselling course typically provides students with knowledge and skills to help individuals make informed decisions about their career. A career counselling course equips students with both theoretical knowledge and practical skills necessary to effectively guide individuals through their career development process.

Course Objective

- To educate students on ethical considerations in career counselling, including confidentiality, informed consent, and cultural sensitivity, ensuring they adhere to professional standards in their practice.
- To encourage students to engage in ongoing professional development and networking.
- To provide students with supervised practical experience.
- To foster students' own self-awareness and resilience in their career development.

Course Outcome

- To understand the Career Development Theories.
- Helps to create ethical and professional conduct among students.
- Encourage effective communication and relationship building in students.
- Facilitation of career exploration and decision-making.

Course Outline

1. Introduction to Career Counseling(10 Hours)

- Overview of career counselling: Definition, purpose, and importance.
- Historical perspectives and evolution of career counselling.
- Ethical considerations and professional standards in career counselling.
- Overview of major theories: Trait-factor theory, developmental theories (Super's theory, Holland's theory), social cognitive career theory, and others.
- Application of theories in career counselling practice.
- Types of career assessments: Interest inventories, skills assessments, personality assessments, values assessments, and others.
- Administering and interpreting assessment results.

2. Career Exploration and Decision-making (10 Hours)

- Career exploration process: Self-assessment, researching occupations, understanding labor market information.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

- Decision-making models and strategies in career counselling.
- Supporting clients in making informed career decisions aligned with their interests, values, and skills.
- Career counselling across the lifespan: Students, adults in career transition, retirees, individuals with disabilities, veterans, etc.
- Cultural considerations in career counselling: Addressing diversity and multicultural competencies
- Career counselling interventions: Career workshops, group counselling, career coaching.
- Technology in career counselling: Use of online tools, career websites, and virtual counselling

3. Career Transitions and Work Adjustment(10 Hours)

- Managing career transitions: Job loss, career change, promotion, relocation.
- Coping with workplace issues and stress management.
- Retirement planning and career after retirement
- Continuing education and professional growth opportunities.
- Networking and collaboration with other professionals.
- Ethical dilemmas and professional boundaries in career counselling practice.
- Supervised practicum or internship in career counselling.
- Application of knowledge and skills in a real-world counselling setting

Mode of Assessment

Exam: Comprehensive exam covering all course topics.

Reference

1. "Career Counselling: A Holistic Approach" by Vernon Zunker
2. "Career Development and Counseling: Putting Theory and Research to Work" by Steven D. Brown and Robert W. Lent
3. "Career Counselling: Foundations, Perspectives, and Applications" by David Capuzzi and Mark Stauffer
4. "Essentials of Career Counseling: Skills for a Multidisciplinary Approach" by Mark L. Savickas and Norman E. Amundson
5. "Career Counselling: Techniques that Work" edited by Robert E. Reardon, Janet G. Lenz, and James P. Sampson
6. "The Career Counseling Casebook: A Resource for Practitioners, Students, and Counselor Educators" edited by Rebecca L. Toporek and Bradley T. Erford





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (100 HRS)



All your courses in one place.

We are the future of your career

• MEDICAL CODING

INTRODUCTION TO MEDICAL CODING

ANATOMY
MEDICAL TERMINOLOGY
INTRODUCTION OF HUMAN BODY

ICD -10-CM
INTRODUCTION TO ICD - INTERNATIONAL CLASSIFICATION OF DISEASE
CONVENTIONS & GENERAL CODING GUIDELINES

CPT-CURRENT PROCEDURAL TERMINOLOGY
INTRODUCTION TO CPT
CPT MODIFIERS CLASS
GENERAL CODING GUIDELINES

HCPCS
INTRODUCTION TO HCPCS
HCPCS MODIFIERS
CODING



BENEFITS OF LEARNING MEDICAL CODING

IF YOU ARE CONSIDERING MEDICAL CODING AS A CAREER, BUT ARE STILL QUITE SCEPTICAL, THEN HERE ARE A FEW BENEFITS THAT YOU CANNOT IGNORE:

- DEMAND IS HIGH FOR CERTIFIED MEDICAL CODERS
- COMPETENT PAY PACKAGE
- A STABLE CAREER OPTION
- REMOTE WORKING OPTIONS

JOB OPPORTUNITIES

- MEDICAL CODING AND BILLING
- URGENT CARE CLINICS
- SPORTS MEDICINE CLINICS
- MENTAL HEALTH PRACTICES
- HOSPICES
- TELEHEALTH PROVIDERS
- COLLECTION AGENCIES
- RISK ADJUSTMENT VENDORS
- INSURANCE COMPANIES
- PROFESSIONAL LIABILITY COMPANIES
- FEDERAL GOVERNMENT AGENCIES
- INFORMATION TECHNOLOGY SERVICES
- LAW FIRMS
- DENTAL OFFICES
- DURABLE MEDICAL EQUIPMENT AND SUPPLY VENDORS
- PHYSICAL THERAPY CENTERS
- LONG-TERM CARE FACILITIES
- HOME HEALTH AGENCIES
- CONSULTING FIRMS
- EHR SOFTWARE VENDORS
- ACCOUNTABLE CARE ORGANIZATIONS
- WORKMAN'S COMPENSATION COMPANIES
- STATE GOVERNMENT AGENCIES
- CAREER COLLEGES
- MEDICAL BILLING SERVICE
- MEDICAL LABORATORIES
- REHABILITATION SERVICES
- CLEARINGHOUSES
- CANCER REGISTRIES
- IMAGING CENTERS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

ADD-ON COURSE

ADD-ON COURSE SYLLABUS (100 HRS)



All your courses in one place.

We are the future of your career

• MEDICAL CODING

INTRODUCTION TO MEDICAL CODING

ANATOMY
MEDICAL TERMINOLOGY
INTRODUCTION OF HUMAN BODY

ICD -10-CM
INTRODUCTION TO ICD - INTERNATIONAL CLASSIFICATION OF DISEASE
CONVENTIONS & GENERAL CODING GUIDELINES

CPT-CURRENT PROCEDURAL TERMINOLOGY
INTRODUCTION TO CPT
CPT MODIFIERS CLASS
GENERAL CODING GUIDELINES

HCPCS
INTRODUCTION TO HCPCS
HCPCS MODIFIERS
CODING



BENEFITS OF LEARNING MEDICAL CODING

IF YOU ARE CONSIDERING MEDICAL CODING AS A CAREER, BUT ARE STILL QUITE SCEPTICAL, THEN HERE ARE A FEW BENEFITS THAT YOU CANNOT IGNORE:

- DEMAND IS HIGH FOR CERTIFIED MEDICAL CODERS
- COMPETENT PAY PACKAGE
- A STABLE CAREER OPTION
- REMOTE WORKING OPTIONS

JOB OPPORTUNITIES

- MEDICAL CODING AND BILLING
- URGENT CARE CLINICS
- SPORTS MEDICINE CLINICS
- MENTAL HEALTH PRACTICES
- HOSPICES
- TELEHEALTH PROVIDERS
- COLLECTION AGENCIES
- RISK ADJUSTMENT VENDORS
- INSURANCE COMPANIES
- PROFESSIONAL LIABILITY COMPANIES
- FEDERAL GOVERNMENT AGENCIES
- INFORMATION TECHNOLOGY SERVICES
- LAW FIRMS
- DENTAL OFFICES
- DURABLE MEDICAL EQUIPMENT AND SUPPLY VENDORS
- PHYSICAL THERAPY CENTERS
- LONG-TERM CARE FACILITIES
- HOME HEALTH AGENCIES
- CONSULTING FIRMS
- EHR SOFTWARE VENDORS
- ACCOUNTABLE CARE ORGANIZATIONS
- WORKMAN'S COMPENSATION COMPANIES
- STATE GOVERNMENT AGENCIES
- CAREER COLLEGES
- MEDICAL BILLING SERVICE
- MEDICAL LABORATORIES
- REHABILITATION SERVICES
- CLEARINGHOUSES
- CANCER REGISTRIES
- IMAGING CENTERS

IN ASSOCIATE WITH



+91 9400 192 564
www.veekshaeducation.com





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Course Title : "Statistical Software and Programming"

Course Overview

This course is designed to provide an in-depth understanding of statistical analysis and data science using four key software/tools: R, SAS, SPSS, and Python. The course will cover the basics of each tool, data manipulation, statistical modeling, and visualization techniques. By the end of the course, students will be able to effectively use these tools for a wide range of data analysis tasks.

Weekly Hour Distribution

Week 1-3: Introduction to R (9 hours)

Week 4-5: Introduction to SAS (6 hours)

Week 6: Introduction to SPSS (3 hours)

Week 7-8: Introduction to Python (6 hours)

Week 9-10: Comparative Analysis and Advanced Topics (6 hours)

Week 1-3: Introduction to R (9 hours)

Week 1: Getting Started with R (3 hours)

Session 1 (1.5 hours):

Introduction to R and RStudio

Installation and setup

Basic syntax and data types

Prerequisites: Basic knowledge of statistics

References: "R for Data Science" by Hadley Wickham & Garrett Golemund

Session 2 (1.5 hours):

Data manipulation with dplyr

Importing and exporting data

Basic data visualization with ggplot2

Week 2: Statistical Analysis in R (3 hours)

Session 1 (1.5 hours):

Descriptive statistics





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Inferential statistics (t-tests, chi-square tests)

Session 2 (1.5 hours):

Linear regression

Logistic regression

Week 3: Advanced Topics in R (3 hours)

Session 1 (1.5 hours):

Advanced data visualization with ggplot2

Time series analysis

Session 2 (1.5 hours):

Machine learning with caret

Cross-validation techniques

Week 4-5: Introduction to SAS (6 hours)

Week 4: Getting Started with SAS (3 hours)

Session 1 (1.5 hours):

Introduction to SAS environment

Basic syntax and data steps

Importing and exporting data

Prerequisites: Basic knowledge of statistics

References: "The Little SAS Book: A Primer" by Lora D. Delwiche & Susan J. Slaughter

Session 2 (1.5 hours):

Data manipulation with SAS procedures

Data visualization with PROC SGPLOT

Week 5: Statistical Analysis in SAS (3 hours)

Session 1 (1.5 hours):

Descriptive statistics with PROC MEANS and PROC FREQ

Inferential statistics with PROC TTEST and PROC FREQ

Session 2 (1.5 hours):

Regression analysis with PROC REG and PROC LOGISTIC





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Week 6: Introduction to SPSS (3 hours)

Week 6: Getting Started with SPSS (3 hours)

Session 1 (1.5 hours):

Introduction to SPSS interface

Data entry and file handling

Descriptive statistics

Prerequisites: Basic knowledge of statistics

References: "IBM SPSS for Introductory Statistics" by George A. Morgan et al.

Session 2 (1.5 hours):

Data manipulation and transformation

Basic inferential statistics (t-tests, chi-square tests)

Data visualization with SPSS charts

Week 7-8: Introduction to Python (6 hours)

Week 7: Getting Started with Python for Data Science (3 hours)

Session 1 (1.5 hours):

Introduction to Python and Jupyter Notebooks

Basic syntax and data types

Data manipulation with pandas

Prerequisites: Basic knowledge of statistics and programming

References: "Python for Data Analysis" by Wes McKinney

Session 2 (1.5 hours):

Data visualization with matplotlib and seaborn

Week 8: Statistical Analysis in Python (3 hours)

Session 1 (1.5 hours):

Descriptive and inferential statistics with scipy.stats

Linear and logistic regression with statsmodels

Session 2 (1.5 hours):

Machine learning with scikit-learn





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Cross-validation and model evaluation

Week 9-10: Comparative Analysis and Advanced Topics (6 hours)

Week 9: Comparative Analysis (3 hours)

Session 1 (1.5 hours):

Comparative study of R, SAS, SPSS, and Python

Strengths and weaknesses of each tool

Case studies and real-world applications

Session 2 (1.5 hours):

Integrating multiple tools in a workflow

Interoperability and data exchange

Week 10: Advanced Topics (3 hours)

Session 1 (1.5 hours):

Advanced machine learning techniques

Big data analytics and handling large datasets

Session 2 (1.5 hours):

Final project presentations

Review and Q&A

Prerequisites

Basic understanding of statistics and data analysis

Basic programming skills (especially for Python)

References and Study Materials

"R for Data Science" by Hadley Wickham & Garrett Grolemund

"The Little SAS Book: A Primer" by Lora D. Delwiche & Susan J. Slaughter

"IBM SPSS for Introductory Statistics" by George A. Morgan et al.

"Python for Data Analysis" by Wes McKinney

Online resources, tutorials, and documentation from R, SAS, SPSS, and Python official websites

Evaluation Method





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Assignments (40%): Weekly assignments based on each tool (R, SAS, SPSS, Python)

Quizzes (20%): Short quizzes at the end of each week to test understanding

Final Project (30%): A comprehensive project that integrates multiple tools for data analysis

Class Participation (10%): Active participation in discussions and Q&A sessions





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Brochure & Syllabus

Certificate/Value added courses offered during 2023-24

THE COCHIN COLLEGE
KOOVAPADAM, KOCHI-2
AFFILIATED TO M.G.U. ACCREDITED WITH BY NAAC

DEPARTMENT OF PHYSICS
**CERTIFICATE / VALUE
ADDED COURSE**
OFFERED IN 2023-2024

- ◆ ENERGY FROM WASTE
- ◆ INTRODUCTION TO ARTIFICIAL INTELLIGENCE
- ◆ FUNDAMENTALS OF RADIATION PHYSICS

Bot

<https://forms.gle/zj3ApbXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

VALUE ADDED COURSE

Department of Physics, The Cochin College.

VEEKSHA: Energy from Waste Duration:

30 Hours

ENERGY GENERATION FROM WASTE

INTRODUCTION TO BIOFUELS

HYDROGEN PRODUCTION THROUGH THERMOCHEMICAL CONVERSION OF DRY BIOMASS

BIOETHANOL PRODUCTION FROM BIOMASS AND BIOMASS WASTE

BIODIESEL PRODUCTION FROM BIOMASS WASTE AND VEGETABLE OIL

METHODS USED FOR THE ANALYSIS OF THE ORGANIC AND INORGANIC CARBON

CONTENT IN WASTE AND WASTEWATER: BIOTECHNOLOGICAL PROCESS -

FUNDAMENTAL AND PRINCIPLES OF THE KINETICS OF BIOLOGICAL REACTIONS:

BIOTECHNOLOGICAL PROCESSES – DESIGN OF BIOLOGICAL REACTORS:

ANAEROBIC DIGESTION (FOR BIOGAS GENERATION):

THE COUPLING OF THERMOCHEMICAL SYSTEMS WITH ANAEROBIC DIGESTION

AND PHYSICAL AND CHEMICAL REMOVAL OF CO₂ FROM BIOGAS TO PRODUCE

RENEWABLE NATURAL GAS:

BIOGAS UPGRADING TO BIOMETHANE: POWER-TO-GAS WITH EX-SITU BIOMETHANATION:

MICROBIAL CHAIN ELONGATION AND SYNGAS FERMENTATION AFTER GASIFICATION OF

BIOMASS:

BENEFITS OF LEARNING ENERGY GENERATION FROM WASTE

THE COURSE DEALS WITH THE GENERATION OF ENERGY FROM DIFFERENT TYPES OF WASTES THROUGH THERMAL, BIOLOGICAL AND CHEMICAL ROUTES. IT IS INTENDED TO HELP THE YOUNG SCIENTIFIC PROFESSIONALS TO KEEP THEIR KNOWLEDGE UPGRADED WITH THE CURRENT THOUGHTS AND NEWER TECHNOLOGY OPTIONS ALONG WITH THEIR ADVANCES IN THE FIELD OF THE UTILIZATION OF DIFFERENT TYPES OF WASTES FOR ENERGY PRODUCTION. DUE TO FAST URBANIZATION AT A FASTER RATE VARIOUS SMALL TOWN CONVERTED IN TO BIG TOWN AND POPULATION IS INCREASING DAY BY DAY. BY INCREASE OF POPULATION PER CAPITA WASTE GENERATION IS INCREASING DAY BY DAY AND REQUIRES LOTS OF ATTENTION FOR MANAGING THE WASTE. ENERGY GENERATION FROM WASTE IS AN OPTION FOR MANAGING SOLID WASTE IN CITIES. BY GENERATING ENERGY FROM WASTE IS NOT ONLY REDUCING WASTE VOLUME BUT ALSO DEVELOPMENT CLEAN ENVIRONMENT.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

VALUE ADDED COURSE

Department of Physics, The Cochin College.

ADPHY2311: Introduction to Artificial Intelligence

Duration: 30 Hours

Introduction

This add-on course provides a comprehensive overview of Artificial Intelligence (AI), focusing on foundational concepts, machine learning, deep learning, and practical applications. Through a blend of theoretical knowledge and hands-on experience, students will gain the skills necessary to understand and implement AI techniques across various domains.

Course Objectives/Outcomes

- Understand AI Fundamentals: Grasp the key concepts, history, and evolution of AI.
- Implement AI Solutions: Gain practical experience through projects and case studies, applying AI to real-world problems.
- Address Ethical Issues: Recognize and address ethical and societal implications of AI technologies.

By the end of this course, students will be able to:

- Comprehend AI Basics: Explain AI concepts, terminologies, and their real-world applications.
- Apply AI in Practice: Solve practical problems using AI techniques in domains such as healthcare, finance, and robotics.

Evaluate Ethical Considerations: Critically assess the ethical and societal impacts of AI implementations

Module 1: Fundamentals of Artificial Intelligence (7.5 Hours)

Introduction to AI (1.5 Hours)

Definition and Scope of AI

History and Evolution of AI

Key AI Concepts and Terminology

Real-World Applications of AI





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

AI Techniques and Algorithms (2 Hours)

Overview of Machine Learning, Deep Learning, and Neural Networks

Supervised vs. Unsupervised Learning

Basics of Reinforcement Learning

AI Tools and Environments (1.5 Hours)

Introduction to Python for AI

Popular Libraries: TensorFlow, Keras, PyTorch, Scikit-learn

Setting Up the AI Development Environment

Ethics and Challenges in AI (2.5 Hours)

Ethical Considerations in AI

Bias and Fairness in AI

Privacy and Security Concerns

The Future of AI and Society

Module 2: Machine Learning (7.5 Hours)

Supervised Learning (2 Hours)

Linear Regression Logistic

Regression Support Vector

Machines

Decision Trees and Random Forests

Unsupervised Learning (2 Hours) Clustering

Algorithms (K-Means, Hierarchical)

Dimensionality Reduction (PCA, LDA)

Anomaly Detection

Model Evaluation and Optimization (1.5 Hours)

Training, Validation, and Testing

Cross-Validation Techniques

Hyperparameter Tuning





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Practical Implementation (2 Hours)

Hands-on Project: Building and Evaluating a Machine Learning Model

Case Study: Real-World Machine Learning Application

Module 3: Deep Learning and Neural Networks (7.5 Hours)

Introduction to Neural Networks (2 Hours)

Basic Structure of a Neural Network

Activation Functions

Forward and Backward Propagation

Deep Learning Architectures (2.5 Hours)

Convolutional Neural Networks (CNNs)

Recurrent Neural Networks (RNNs) and LSTMs

Generative Adversarial Networks (GANs)

Training Deep Learning Models (1.5 Hours)

Optimization Techniques (SGD, Adam)

Regularization Methods (Dropout, Batch Normalization)

Handling Overfitting

Practical Implementation (1.5 Hours)

Hands-on Project: Building a Simple Neural Network

Case Study: Image Classification using CNN

Module 4: AI in Practice and Advanced Topics (7.5 Hours)

Natural Language Processing (2 Hours)

Basics of NLP

Text Processing Techniques Introduction

to Transformers and BERT





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

AI in Robotics and IoT (1.5 Hours)

Overview of Robotics in AI Integration
of AI with IoT

Real-World Examples and Applications

AI in Industry (2 Hours)

AI in Healthcare

AI in Finance

AI in Autonomous Vehicles

Capstone Project (2 Hours) Define

Project Scope and Objectives Data

Collection and Preprocessing Model

Development and Evaluation

Presentation and Discussion of Results

Assessment and Certification (1 Hour)

Final Quiz/Exam covering all modules

Evaluation of Capstone Project

Feedback and Certification Distribution





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Question Paper

Total Duration: 2 Hours

Total Marks: 50

Section A: Multiple Choice Questions (10 Marks)

Each question carries 2 marks.

1. Which of the following is not a type of machine learning?
 - a) Supervised Learning
 - b) Unsupervised Learning
 - c) Reinforcement Learning
 - d) Structured Learning

2. What is the primary purpose of a Convolutional Neural Network (CNN)?
 - a) Text processing
 - b) Image recognition
 - c) Time series prediction
 - d) Data clustering

3. Which activation function is most commonly used in hidden layers of a neural network?
 - a) Sigmoid
 - b) ReLU
 - c) Tanh
 - d) Softmax

4. In the context of AI, what does "overfitting" refer to?
 - a) A model that performs well on training data but poorly on new data





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

- b) A model that performs poorly on both training and testing data
- c) A model that generalizes well to new data
- d) A model that fits the data perfectly

5. Which library is specifically designed for deep learning?

- a) Scikit-learn
- b) NumPy
- c) TensorFlow
- d) Pandas

Section B: Short Answer Questions (40 Marks)

Each question carries 8 marks.

- 6. Explain the difference between supervised and unsupervised learning with examples.
- 7. Describe the concept of backpropagation in neural networks.
- 8. What are the ethical considerations one must take into account when developing AI systems?
- 9. Briefly explain the steps involved in building a machine learning model.
- 10. Discuss the role of AI in healthcare with two specific examples.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

VALUE ADDED COURSE

Department of Physics, The Cochin College.

ADPHY2312: Fundamentals of Radiation Physics

Duration: 30 Hours

Introduction

The Fundamentals of Radiation Physics course is designed to provide students with a thorough understanding of the principles of radiation physics, including the nature of radiation, its interaction with matter, and its applications. This course covers both ionizing and non-ionizing radiation and explores their uses in medical, industrial, and environmental contexts.

Course Objectives/Outcomes

By the end of this course, students will be able to:

1. Understand the fundamental concepts of radiation physics.
2. Describe the types and sources of radiation.
3. Explain the interaction of radiation with matter.
4. Evaluate the applications and safety measures related to radiation.
5. Assess the environmental and health impacts of radiation.

Course Syllabus

Course Duration: 30 Hours

Module 1: Introduction to Radiation (6 hours)

- Definition and Types of Radiation: Ionizing and Non-Ionizing
- Sources of Radiation: Natural and Artificial
- Units of Radiation Measurement
- Fundamental Properties of Radiation





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Module 2: Interaction of Radiation with Matter (6 hours)

- Mechanisms of Interaction: Photoelectric Effect, Compton Scattering, Pair Production
- Attenuation and Absorption
- Radiation Penetration and Shielding
- Radiation Dosimetry

Module 3: Detection and Measurement of Radiation (6 hours)

- Radiation Detectors: Geiger-Müller Counters, Scintillation Detectors, Semiconductor Detectors
- Measurement Techniques and Instrumentation
- Calibration and Maintenance of Radiation Detectors
- Data Analysis and Interpretation

Module 4: Applications of Radiation (6 hours)

- Medical Applications: Diagnostic Imaging, Radiotherapy, Nuclear Medicine
- Industrial Applications: Non-Destructive Testing, Radiography, Sterilization
- Environmental Applications: Radiation Monitoring, Environmental Impact Assessment
- Radiation in Research: Particle Physics, Astrophysics

Module 5: Radiation Safety and Protection (6 hours)

- Principles of Radiation Protection: Time, Distance, Shielding
- Radiation Safety Standards and Regulations
- Radiation Risk Assessment
- Emergency Procedures and Decontamination





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

Question Paper

Total Duration: 2

HoursTotal Marks: 50

Section A: Short Answer Questions (10 x 1 = 10 Marks)

1. Define ionizing and non-ionizing radiation.
2. What is the photoelectric effect?
3. Name two natural sources of radiation.
4. What unit is used to measure radiation dose?
5. Describe Compton scattering.
6. What is a Geiger-Müller counter?
7. Explain the concept of radiation shielding.
8. Give an example of radiation application in medicine.
9. What are the principles of radiation protection?
10. Mention one environmental application of radiation.

Section B: Descriptive Questions (5 x 4 = 20 Marks)

1. Describe the interaction of gamma rays with matter.
2. Explain the working principle of a scintillation detector.
3. Discuss the industrial applications of radiation.
4. Analyze the impact of radiation on human health and safety measures to mitigate risks.

Section C: Long Answer Questions (2 x 10 = 20 Marks)

1. With the help of diagrams, explain the mechanisms of radiation interaction with matter. Discuss the implications of these interactions in different applications.
2. Discuss the role of radiation in medical diagnostics and treatment. Highlight the technologies used and the safety measures required to protect patients and healthcare workers.





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Basic Python Course Syllabus

Course Overview

This 30-hour course is designed to introduce students to the fundamentals of Python programming. Over the course of ten weeks, students will learn basic programming concepts, syntax, and problem-solving techniques using Python. By the end of the course, students will be equipped to write simple Python programs and understand core programming concepts.

Course Outcomes

By the end of this course, students will be able to:

1. Understand the basic syntax and structure of Python.
2. Write simple Python scripts for data manipulation and computation.
3. Implement control structures such as loops and conditionals.
4. Utilize functions for code modularity and reuse.
5. Handle exceptions and perform basic input/output operations.
6. Work with basic data structures such as lists, dictionaries, and sets.
7. Understand and use modules and libraries.
8. Read and write files using Python.

Weekly and Hourly Schedule

Week 1: Introduction to Python

- **Hour 1:** Course Introduction, Setting Up Python Environment
- **Hour 2:** Basic Syntax, Variables, and Data Types
- **Hour 3:** Simple Input/Output Operations

Week 2: Control Structures

- **Hour 4:** Conditional Statements (if, elif, else)
- **Hour 5:** Loops (for, while)
- **Hour 6:** Practical Exercises on Control Structures

Week 3: Functions





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

- **Hour 7:** Defining Functions, Parameters, and Return Values
- **Hour 8:** Scope and Lifetime of Variables
- **Hour 9:** Lambda Functions and Map/Filter Functions

Week 4: Data Structures: Lists

- **Hour 10:** Introduction to Lists, Basic Operations
- **Hour 11:** List Methods and Functions
- **Hour 12:** List Comprehensions

Week 5: Data Structures: Tuples and Sets

- **Hour 13:** Introduction to Tuples, Basic Operations
- **Hour 14:** Introduction to Sets, Basic Operations
- **Hour 15:** Practical Exercises with Tuples and Sets

Week 6: Data Structures: Dictionaries

- **Hour 16:** Introduction to Dictionaries, Basic Operations
- **Hour 17:** Dictionary Methods and Functions
- **Hour 18:** Practical Exercises with Dictionaries

Week 7: Modules and Libraries

- **Hour 19:** Importing Modules and Standard Libraries
- **Hour 20:** Using External Libraries (e.g., NumPy, Pandas)
- **Hour 21:** Practical Exercises with Libraries

Week 8: File Handling

- **Hour 22:** Reading from and Writing to Files
- **Hour 23:** Working with CSV Files
- **Hour 24:** Practical Exercises on File Handling

Week 9: Error and Exception Handling

- **Hour 25:** Introduction to Exceptions, Try/Except Blocks
- **Hour 26:** Handling Multiple Exceptions
- **Hour 27:** Practical Exercises on Exception Handling





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Week 10: Final Project and Review

- **Hour 28:** Project Planning and Requirements
- **Hour 29:** Project Implementation
- **Hour 30:** Project Presentation and Course Review

References and Resources

1. Textbooks:

- "Automate the Boring Stuff with Python" by Al Sweigart
- "Python Crash Course" by Eric Matthes
- "Learning Python" by Mark Lutz

2. Online Resources:

- [Python.org Documentation](https://python.org)
- W3Schools Python Tutorial
- [Real Python](https://realpython.com)

3. Tools:

- [Jupyter Notebook](https://jupyter.org)
- Anaconda Distribution
- [PyCharm IDE](https://www.jetbrains.com/pycharm/)

Notes

- **Assessment:** Students will be assessed through weekly exercises, a mid-term quiz, and a final project.
- **Office Hours:** Available by appointment for additional help and clarification on course material.

This syllabus provides a structured pathway to mastering the basics of Python programming, offering hands-on experience and practical applications.

ChatGPT can make mistakes. Check important info.

ChatGPT





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

THE COCHIN COLLEGE
KOOVAPADAM, KOCHI-2
AFFILIATED to MG UNIVERSITY, RE-ACCREDITED WITH B+ GRADE

Department of Botany
VALUE ADDED
Course
Offered in 2023-2024

○ AQUAPONICS

APPLY <https://forms.gle/zJ3ApbXmTTb37KYW9>





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

Department of Botany

Add On Course 2023-2024

ADBOT2309-AQUAPONICS

SYLLABUS

Syllabus: Aquaponics (30 Hours)

Course Overview

This add-on course provides an in-depth understanding of aquaponics, a sustainable farming method that combines aquaculture (raising fish) and hydroponics (growing plants without soil). The course covers the principles, design, implementation, and management of aquaponics systems.

Course Objectives

- Understand the fundamentals of aquaponics and its benefits.
- Learn the biological and ecological principles underlying aquaponics systems.
- Gain knowledge of system design, components, and construction.
- Explore techniques for maintaining water quality and system health.
- Develop skills for managing fish and plant growth in an integrated system.

Module 1: Introduction to Aquaponics (6 Hours)

- Definition and history of aquaponics
- Benefits of aquaponics over traditional farming methods
- Overview of aquaponics systems: media-based, nutrient film technique (NFT), and deep water culture (DWC)
- Key components of an aquaponics system: fish tanks, grow beds, pumps, and filters

Module 2: Biological and Ecological Principles (6 Hours)

- Nitrogen cycle and its role in aquaponics
- Types of beneficial bacteria and their functions
- Fish and plant selection for aquaponics
- Symbiotic relationships between fish, plants, and bacteria

Module 3: System Design and Construction (6 Hours)

- Designing an aquaponics system: layout and space considerations
- Selection and sizing of system components: tanks, grow beds, pumps, and filters
- Construction materials and techniques
- Plumbing and water flow management

Module 4: Water Quality Management (6 Hours)

- Importance of water quality in aquaponics





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochincollege.edu.in

email: email@thecochincollege.edu.in

- Parameters to monitor: pH, temperature, ammonia, nitrite, nitrate, and dissolved oxygen
- Techniques for maintaining optimal water quality
- Troubleshooting common water quality issues

Module 5: Fish and Plant Management (6 Hours)

- Selecting and sourcing fish for aquaponics: species considerations
- Fish health and disease management
- Plant selection and nutrient requirements
- Planting, harvesting, and crop rotation





THE COCHIN COLLEGE

KOCHI - 682 002

(Affiliated to Mahatma Gandhi University and Accredited by NAAC)

Website: www.thecochoincollege.edu.in

email: email@thecochoincollege.edu.in

Department of Botany

Add On Course 2023-2024

VEEKSHA- DISASTER MANAGEMENT

SYLLABUS

ADD-ON COURSE



All your courses in one place.

We are the future of your career.

ADD-ON COURSE SYLLABUS (30 HRS)

DISASTER MANAGEMENT

DEFINITION AND TYPES OF DISASTER HAZARDS AND DISASTERS, RISK AND VULNERABILITY IN DISASTERS, NATURAL AND MAN-MADE DISASTERS, EARTHQUAKES, FLOODS DROUGHT, LANDSLIDE, LAND SUBSIDENCE, CYCLONES, VOLCANOES, TSUNAMI, AVALANCHES, GLOBAL CLIMATE EXTREMES, MAN-MADE DISASTERS: TERRORISM, GAS AND RADIATIONS LEAKS, TOXIC WASTE DISPOSAL, OIL SPILLS, FOREST FIRES.

STUDY OF IMPORTANT DISASTERS EARTHQUAKES AND ITS TYPES, MAGNITUDE AND INTENSITY, SEISMIC ZONES OF INDIA, MAJOR FAULT SYSTEMS OF INDIA PLATE, FLOOD TYPES AND ITS MANAGEMENT, DROUGHT TYPES AND ITS MANAGEMENT, LANDSLIDE AND ITS MANagements CASE STUDIES OF DISASTERS (E.G) EARTHQUAKES, LANDSLIDE), SOCIAL ECONOMICS AND ENVIRONMENTAL IMPACT OF DISASTERS.

MITIGATION AND MANAGEMENT TECHNIQUES OF DISASTER BASIC PRINCIPLES OF DISASTERS MANAGEMENT, DISASTER MANAGEMENT CYCLE, DISASTER MANAGEMENT POLICY, NATIONAL AND STATE BODIES FOR DISASTER MANAGEMENT, EARLY WARNING SYSTEMS, BUILDING DESIGN AND CONSTRUCTION IN HIGHLY SEISMIC ZONES, RETROFITTING OF BUILDINGS.

BENEFITS OF LEARNING DISASTER MANAGEMENT

BILLIONS OF PEOPLE ARE AFFECTED BY DISASTERS EACH YEAR. EFFECTIVE DISASTER MANAGEMENT IS ESSENTIAL TO PREVENT SUFFERING AND SUPPORT THOSE AFFECTED. DISASTER MANAGEMENT CAN HELP TO ENHANCE THE ABILITY OF EMERGENCY RESPONDERS TO SAVE LIVES. WHEN APPROPRIATE INFRASTRUCTURE IS SET UP AND TRAINING IS COMPLETED TO IMPROVE DISASTER RESPONSE, COMMUNITIES CAN SURVIVE THE STRESS AND DISTRESS CAUSED BY DISASTERS. DISASTERS AND EMERGENCIES HAVE BEEN INCREASING ALL OVER THE WORLD. TODAY, WITH TECHNOLOGICAL ADVANCEMENTS, ACQUISITION KNOWLEDGE AND ITS APPLICATION IN THE REALM OF ACTION IS REGARDED AS THE ONLY EFFECTIVE WAY FOR INDIVIDUALS, ORGANISATIONS OR REDUCING ITS EFFECTS.

IN ASSOCIATE WITH



VEEKSHA
EDUCATION

+91 9400 152 564
www.veekshaedk.co2n.com



JOB OPPORTUNITIES

RETIRORED DUST
RISK ASSESSMENT
DISASTER RECOVERY MANAGER
DISASTOR PREVENT MANAGER
BUSINESS CONTINUITY AND DISASTER RECOVERY / STORAGE
DISASTER RISK REDUCTION MANAGER
FIRE & SAFETY MANAGER
DISASTER SECURITY / PROTECTION MANAGER
SCHEM SPECIALIST
BACKUP ADMINISTRATION
INTERNET RISK MANAGER
INSTALLATION MANAGER
DISASTER RECOVERY TESTING PROFESSIONAL
SAFETY EXECUTIVE
FACILITY MANAGER
DISASTER RECOVERY STAFF ENGINEER

