MES ASMABI COLLEGE

Affiliated to University of Calicut, P.Vemballur, Kodungallur, Thrissur Dist., Kerala, Pin: 680671
Phone: 0480 2859032, Email: principal.mesasmabi@gmail.com Website: www.mesasmabicollege.edu.in

Certificate Course Information Booklet

2022-2023

M.E.S Asmabi College, a premier educational institution managed by the Muslim Educational Society (Regd.) Calicut, owes its existence to the remarkable foresight and unremitting zeal of the late Dr. P.K.Abdul Gafoor, the late P.K. Abdulla and late Dr. A.K Siddiq Karikulam Azhikode.

Started in the year 1968 at P. Vemballur, Kodungallur, a remote coastal backward village in the S N Puram Panchayath of Thrissur District with the main objective of uplifting the educationally backward community especially muslims of the area who had been denied of the right to education for generations. The college now caters to the needs of the students throughout Kerala and Lakshadweep , cutting across the barriers of class, caste, creed and religion. Hajee Ismail Essa Sait of Cochin initially donated the land and the building and the college was named after his mother Asmabi.
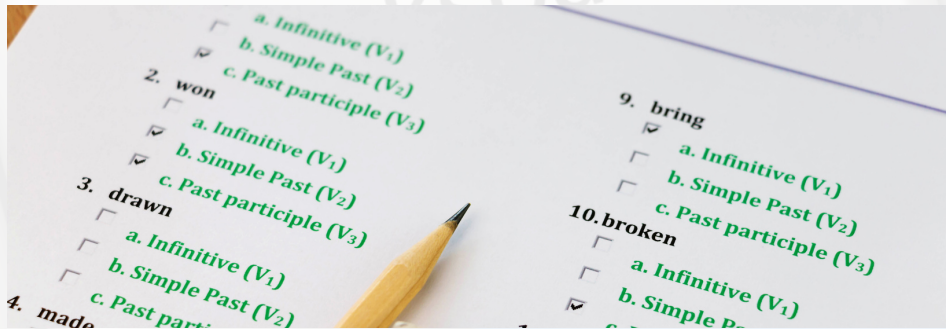
CERTIFICATE COURSES FOR ACADEMIC YEAR 2022-23

SL. NO.	NAME OF THE COURSE	DEPARTMENT
1	English for PSC Examinations	English
2	Disaster Management	English
3	Contemporary English Grammar & Usage	English
4	Clinical & Nutritional Aspects of Biochemistry	Biochemistry
5	How to Approach Civil Service Examination	Political Science
6	Communicative English	English
7	Intellectual Property Rights & IP Laws	IPR Cell
8	Financial Services	Commerce
9	Data Analysis using SPSS	Economics
10	Basic Mathematics for Competitive Examinations	Mathematics
11	Internet & MS Office	Computer Applications
12	Enterpreneurship Oppurtunities in Sea food Industry	Fish Processing Tech.
13	Basic Programming using Python	Physics
14	Warehouse Management	Logistics Management
15	Nursery & Landscaping	Botany
16	Geoinformatics & Mapping for Natural Resource Management	Botany
17	Edible Fungus Fundamentals	Botany
18	Platform Skills	Psychology
19	Information Literature Survey & Reference Management	Library Science
20	Gender Equality: Major Perspectives	Psychology
21	Introduction to Polymer Chemistry	Chemistry
22	Communicative Skill Development in Hindi	Hindi
23	Fitness & Life Style Disease Management	Physical Education
24	Climate Smart Aquaculture	Aquaculture
25	MS Office	Commerce

ADD ON/ VALUE ADDED COURSES FOR ACADEMIC YEAR 2022-23

SL. NO.	NAME OF THE COURSE	DEPARTMENT
1	Introduction to Literary Theory	English
2	Basics of Research Paper Writing	English
3	Coastal Zone Management	Aquaculture
4	Basic Understanding on Short Film Production	Digital Film Production
5	Student Psychology	Psychology
6	Android Application Development & Flutter	Computer Applications

DEPARTMENT OF ENGLISH

Certificate Course in English for PSC Exams

Objectives of the Course

The primary objectives of the course include:
- To enable the students to get through competitive examinations.
- To enable the students to acquire basics of grammatical usages.
- To empower with the mastery of idiomatic expressions and usages in English.

Duration: 30 Hours

Key Modules

The course covers essential linguistic elements, starting with a diagnostic test. It delves into Parts of Speech, including Nouns, Determiners, Articles, Pronouns, Adjectives, Adverbs, Prepositions, and Conjunctions. It explores sentence structure, Subject, Verb, Object relations, verb forms, Concord, Tenses, Active and Passive Voice, Reported Speech, Tag Questions, Idioms, Foreign Phrases, Synonyms, Antonyms, Common Errors.

Outcome

Certificate Course in English for PSC Examinations will equip the students with the essential language skills and knowledge required to get through the various examinations conducted by Public Service Commission. The key areas like acquiring English Grammar Skills, enhanced vocabulary, effective writing, speaking and reading skills, time management skills, strategic exam preparation techniques, form the course outcomes of the certificate course.

Coordinator: Dr. Amitha P Mani
Contact No.: 9249724776

DEPARTMENT OF ENGLISH

Certificate Course in Disaster Management

Objectives of the Course

The primary objectives of the course include:

- To analyze the understanding level regarding Environmental ethics
- To instill in them the notion of the intricate yet inevitable relationship between man and natural environment
- To equip them with relevant knowledge regarding the precautions to be taken in case of disasters
- To enable them acquire the skill of aiding and assisting the rescue measures in case of disasters.

Duration: 30 Hours

Key Modules

This comprehensive course encompasses key modules such as Disaster Management, exploring UNCED and Development, Environmental Education, and Ecological Pyramids (Number, Biomass, Energy). Additionally, it delves into the intersection of Environment and Literature, emphasizing Eco Criticism. Students gain a holistic perspective on environmental issues, disaster preparedness, and the symbiotic relationship between nature and human expression.
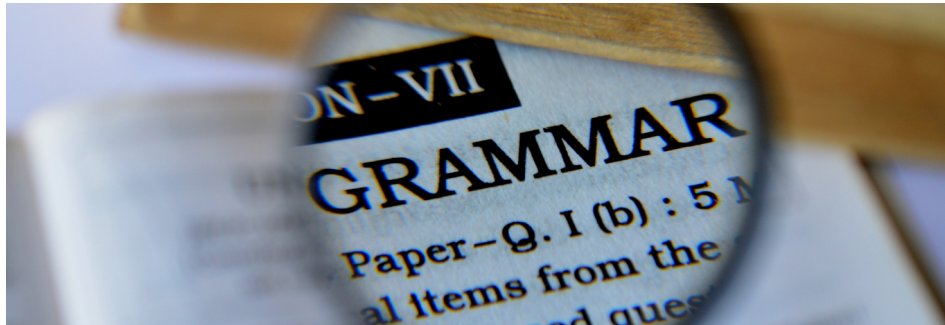
Outcome

Upon completion of this course, students will demonstrate a profound understanding of Environmental Ethics, recognizing the intricate interdependence between humanity and the natural environment. They will possess crucial knowledge on disaster precautions and develop skills to actively contribute to rescue efforts during calamities, fostering a sense of responsibility and preparedness for sustainable coexistence with the environment.

Coordinator: Jameelathu K A
Contact No.: 9895886131

DEPARTMENT OF ENGLISH

Certificate Course in Contemporary English Grammar Usage

Objectives of the Course

The primary objectives of the course include:

- To enable the learners to reinforce their basic knowledge of English Grammar.
- To make the learners understand and reinforce the basic structures in English Grammar to build a strong foundation.
- To enable learners to recognize and understand the meaning of grammatical structures in spoken and written form.
- To train learners to use the language structures with confidence.

Duration: 30 Hours

Key Modules

This course encompasses crucial grammar concepts, from basics like word classes and sentence structure to advanced topics such as tenses, voices, and reported speech. Students develop practical writing skills, including paragraph and essay writing, letter composition, and CV/resume building. The curriculum integrates grammar exercises, assignments, and comprehensive evaluation for a well-rounded linguistic proficiency.

Outcome

This course has enriched students across various disciplines with a profound understanding of structural grammar. It provided practical applications of grammar in both spoken and written contexts. Furthermore, students were adeptly guided in composing official communication letters, CVs, and resumes, enhancing their communicative and professional writing skills.

Coordinator: Sabitha M M
Contact No.: 9847841441

DEPARTMENT OF BIOCHEMISTRY

Certificate Course in Clinical and Nutritional Aspects of Biochemistry

Objectives of the Course

The primary objectives of the course include:

- Develop a comprehensive understanding of nutritional principles and the chemical properties of nutrients and dietary components.
- Acquire the skills to create well-balanced and personalized diet plans to meet individual nutritional needs and goals.
- Gain the knowledge and ability to interpret basic clinical biochemistry investigations in human body fluids.

Duration: 30 Hours

Key Modules

This course covers food and nutrition fundamentals, including basic food groups, physiology of macronutrients, fat-soluble and water-soluble vitamins, minerals, and balanced diet composition. Students learn energy expenditure concepts, basal metabolic rate, dietary planning for different life stages, and nutrition's impact on brain development. Clinical biochemistry topics include blood cell count, diseases related to metabolism, liver function tests, and enzymology.
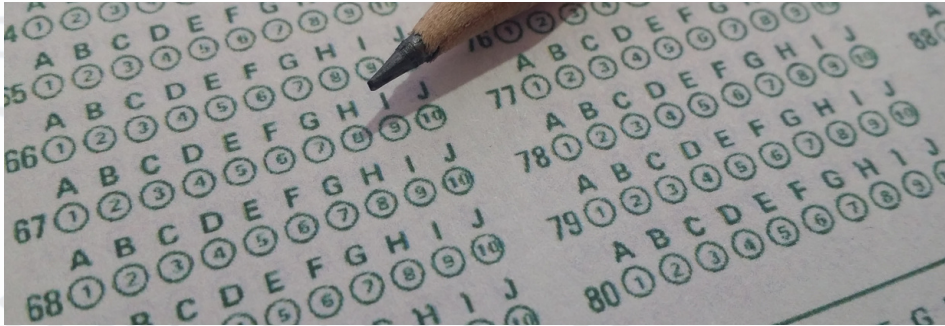
Outcome

This course imparts foundational nutrition knowledge, covering macronutrients and food groups. Students delve into vitamins, minerals, and diet planning for balanced nutrition. They learn to calculate energy expenditure and tailor diets for different life stages. The curriculum also highlights nutrition's impact on brain development, milk feeding, and food safety, fostering health awareness. Students acquire crucial clinical biochemistry and diagnostic skills.

Coordinator: Mohammed Areej E M
Contact No.: 9496844901

DEPARTMENT OF POLITICAL SCIENCE

Certificate Course in How to approach Civil Service Examination

Objectives of the Course

The primary objectives of the course include:

- Understand the Civil Service Examination Structure.
- Develop a strong foundation in the core subjects such as history, geography, economics, political science, and current affairs.
- Enhance Problem-Solving Skills.
- Improve Writing and Communication Skills.
- Develop Interview and Personality Skill.

Duration: 30 Hours

Key Modules

Modules cover current national and international events, India's history and national movement, geography, polity, governance, economic and social development, environmental issues, general science, comprehension, interpersonal and communication skills, logical reasoning, analytical ability, decision-making, problem-solving, general mental ability, basic numeracy (class-X level), and data interpretation (class-X level).

Outcome

This course ensures a thorough understanding of the Civil Service Examination structure, covering stages and exam patterns. Students master core subjects with expert instruction, enhance problem-solving skills through practice, and refine writing and communication abilities. The curriculum also focuses on developing interview and personality skills, staying updated on current affairs, and providing personalized guidance for effective preparation.

Coordinator: Dr. Sanand C Sadananda kumar
Contact No.: 9946228297

DEPARTMENT OF ENGLISH

ENG English

Certificate Course in Communicative English

Objectives of the Course

The primary objectives of the course include:
- To enable the students to use the language with fluency, appropriate diction and idioms
- To enable the students to acquire basics of Suprasegmental features of spoken English
- To empower with the mastery of rhetoric in public speech, using language confidently in interviews

Duration: 30 Hours

Key Modules

Modules cover the need and scope of CCCE diagnostic tests, challenges faced by second language learners, and solutions. Topics include parts of speech, verb forms, tenses, idioms, sentence structure, active and passive voice, courteous language use, phonetics, vocabulary, language lab, sound identification, event announcements, conversation practice, group discussions, reading skills enhancement, and various rhetorical activities.
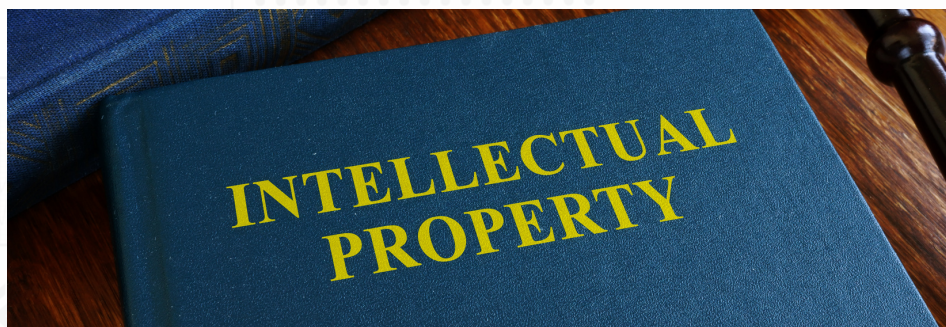
Outcome

This course boosts students' English language proficiency for confident communication in professional and social settings. It provides fundamental skills in grammar, vocabulary, reading, writing, listening, and speaking, catering to beginners establishing a foundation or intermediate learners refining language skills. The course enhances confidence for interviews or public speaking.

Coordinator: Shiji Ibrahim U
Contact No.: 9605504855

DEPARTMENT OF BOTANY & IPR CELL

Certificate Course in Intellectual Property Rights & IP Laws

Objectives of the Course

The primary objectives of the course include:

- To bring innovation and excellence in teaching and research.
- To generate critical awareness among students, teachers and the younger generation on the correlation between technology and society.
- To promote interdisciplinary approach in teaching and research, as well as to make it socially relevant.
- To give a direction to identify issues and concerns at local/regional/global problems through training of the required human resources.

Duration: 32 Hours

Collaboration: IPR Cell of St. Peters College, Kolencheri

Key Modules

The course unfolds key modules, starting with the genesis and theoretical framework of Intellectual Property Rights (IPRs), early conventions, and global regimes. Module 2 extensively covers copyrights, patents, geographical indications, trademarks, and industrial designs. Module 3 provides a historical overview of IPR in India, detailing Indian regulations, the Patent Act, and India's engagement with TRIPs.

Outcome

This course elucidates the role of Intellectual Property Rights (IPRs) in safeguarding and fostering innovation. It empowers students to discern and articulate diverse IPR forms, enabling them to align their intellectual work with specific criteria. Graduates adeptly apply statutory provisions for protection, understand global procedures, and hone research skills with modern tools.

Coordinator: Dr. Jisha K C
Contact No.: 9846514038

DEPARTMENT OF COMMERCE & MANAGEMENT STUDIES

FINANCIAL SERVICES

Certificate Course in Financial Services

Objectives of the Course

The primary objectives of the course include:
- To understand the basic concepts of financial services
- To provide necessary skills to acquire career opportunities in financial services

Duration: 30 Hours

Key Modules

The course initiates with an overview of financial services, emphasizing definitions, importance, benefits, and fund-based and fee-based types. Module II delves into India's regulatory framework for financial services, with a focus on merchant banking roles and responsibilities. Module III explores mutual funds, covering concepts, objectives, functions, portfolio classification, and demat services such as CDSL and NSDL.

Outcome

The course focuses on cultivating a foundational understanding of financial services concepts. It equips participants with practical skills essential for pursuing career opportunities in the dynamic realm of financial services. By fostering both theoretical knowledge and practical expertise, it prepares individuals to navigate and contribute effectively to the diverse facets of this industry.

Coordinator: Ramisha K C
Contact No.: 9847963230

DEPARTMENT OF ECONOMICS

Certificate Course in Data Analysis using SPSS

Objectives of the Course

The primary objectives of the course include:
- To familiarize the students with the basics of Data Analysis
- To enable the students to carry Descriptive analysis using SPPS
- To enable the students to carry inferential statistical analysis using SPPS

Duration: 30 Hours

Key Modules

This course covers fundamental aspects of data analysis and SPSS. It starts with data basics, SPSS introduction, and data import/coding. Further, it explores data transformation techniques and teaches descriptive statistics, correlation, and regression analysis in SPSS. Hypothesis testing is examined through single sample and paired T tests, independent sample T tests, ANOVA, Chi Square, and other non-parametric tests.
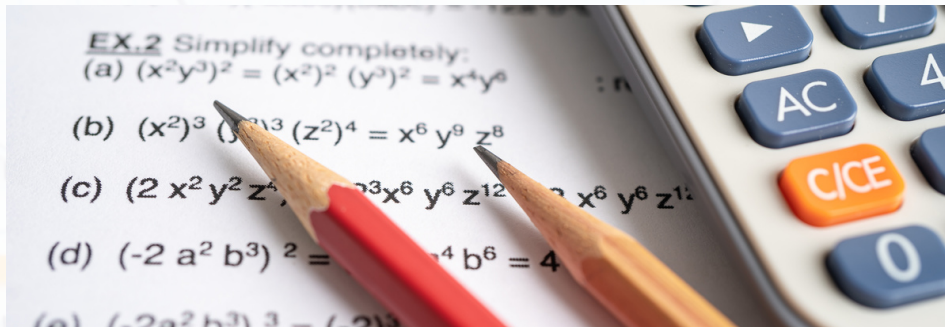
Outcome

Upon completion, students will acquire a comprehensive understanding of data analysis and SPSS. They will master the basics, including data import and coding, and gain proficiency in data transformation techniques. The course equips them with the skills to perform descriptive statistics, correlation, regression analysis, and various hypothesis tests using SPSS.

Coordinator: Dr. M P Nisar
Contact No.: 9846856940

DEPARTMENT OF MATHEMATICS

Certificate Course in Basic Mathematics for Competitive Examinations

Objectives of the Course

The primary objectives of the course include:
- Equip students with a solid foundation in mathematical tools.
- Benefit any student needing assistance with basic math skills for competitive examination success.

Duration: 32 Hours

Key Modules

This comprehensive course covers numbers, basic operations, fractions, decimals, percentages, profit and loss, simple and compound interest, ratio and proportion, time and distance, time and work, average, laws of exponents, mensuration, progression, series, problems on mathematical signs, verifying positions, analogy, odd man out, numerical ability, coding and decoding, family relations, direction problems, time and angles, clock, date, calendar, and clerical ability.

Outcome

Upon completion, students will demonstrate proficiency in fundamental mathematical concepts, including numbers, operations, fractions, decimals, percentages, profit and loss, interest, ratio, proportion, time-distance, time-work, average, exponents, mensuration, progression, series, problem-solving, numerical ability, coding-decoding, analogy, and various clerical and analytical skills. They will be well-prepared for mathematical challenges across diverse contexts.

Coordinator: Nasreen A
Contact No.: 9495871943

DEPARTMENT OF COMPUTER APPLICATIONS

Certificate Course in Internet and MS Office for Beginners

Objectives of the Course

The primary objectives of the course include:
- To enable students to familiar with Internet and browsing techniques
- To enable the students to acquire basic knowledge in MS Office tools

Duration: 31 Hours

Key Modules

This course covers the need and scope of ASCP11 and begins with a diagnostic test. It introduces computer types, software, languages, and organizational basics. Exploring networks, web design fundamentals, and documentation using word processors (OpenOffice Writer/MS Word), it delves into office automation, formatting, advanced features, and electronic spreadsheet essentials. Additionally, it encompasses creating, manipulating, and enhancing presentations using OpenOffice Impress/MS PowerPoint.

Outcome

Upon completion, students will grasp the fundamentals of ASCP11, with proficiency in computer types, software, languages, and organizational basics. They will acquire skills in network concepts, web design, and proficiently document using word processors (OpenOffice Writer/MS Word). Additionally, students will excel in electronic spreadsheet operations and adeptly create and enhance presentations.

Coordinator: Najula K M
Contact No.: 9539409190

DEPARTMENT OF FISH PROCESSING TECHNOLOGY

Certificate Course in Entrepreneurship Opportunities in Seafood Industry

Objectives of the Course

The primary objectives of the course include:

- Create a passion for self employment
- Identifying the right opportunity
- Source of finance and to develop entrepreneurial skills.
- Role of Creativity in Entrepreneurial start-ups in seafood industry

Duration: 30 Hours

Key Modules

The course covers Entrepreneurial Management with topics such as Introduction to Entrepreneurship, Roles of an Entrepreneur, Idea Generation, Screening, Selection, Managing Resources, and Licensing. The Opportunities module includes Fish Preservation Methods, Value-Added Fishery Products, Fishery By-Products, and an Assignment/Presentation. Implementation involves Startup Site Visits, Founder Interviews, Field Visits, a Project on Value-Added Fish and Shellfish Products, and Product Marketing.

Outcome

This course ensures a comprehensive understanding of the seafood industry, empowering students to identify business opportunities. Participants will adeptly formulate practical business plans for seafood startups, prioritize safe handling and quality standards. Knowledge of sustainable practices and risk management skills will be honed, enabling proactive identification and mitigation of potential challenges.

Coordinator: Sugaina Sulaiman M S & Ujjwala Navas
Contact No.: 8075485686 & 9447530064

DEPARTMENT OF PHYSICS

Certificate Course in Basic Programming using Python

Objectives of the Course

The primary objectives of the course include:

- To know the importance of computer and computer programming
- To understand the programming language and how to write it
- To develop the technical skill that will enable students to make new programs using Python

Duration: 30 Hours

Key Modules

This Python course starts with an Introduction to Programming and Python, covering fundamental concepts and environment setup. Basic Python syntax, including print statements, variables, and arithmetic operations, is explored. Control flow involves conditional statements and loops. Subsequent modules delve into functions, file handling, data structures, OOP basics, and conclude with a mini project and exploration of Python's standard library. Students create a final project to apply learned concepts.

Outcome

By the end of the course, participants developed a strong foundation in Python programming. They acquired the skills to write basic Python scripts, manipulate data using data structures, create and use functions effectively, and handle files. Students will gain an insight into OOP principles, enabling them to design and implement simple object-oriented programs.

Coordinator: Anisha P M
Contact No.: 9633793645

DEPARTMENT OF LOGISTICS MANAGEMENT

Certificate Course in Warehouse Management

Objectives of the Course

The primary objectives of the course include:
- To familiarize students with the warehouse operations and management
- Gain a comprehensive understanding of warehousing, exploring its functions, operations, benefits, and the essential need for warehousing.
- Explore inventory management, understanding its objectives, benefits, and various types, including Work-in-Progress (WIP), finished goods, and MRO inventories.

Duration: 30 Hours

Key Modules

This course introduces warehousing essentials, covering functions, operations, benefits, and the imperative need for warehousing. Explore issues impacting warehousing, various warehouse types, and prominent companies in India. Additionally, delve into Inventory Management, understanding objectives, benefits, inventory types, and costs. Conclude with Warehouse Management Systems, addressing their necessity, location logic, and uncertainties in material management systems.

Outcome

Upon completion, participants will grasp warehousing fundamentals, understanding functions, operations, and benefits. They'll discern the crucial need for warehousing and navigate issues affecting the field. In Inventory Management, they'll master objectives, benefits, and diverse inventory types. The course concludes with expertise in Warehouse Management Systems, addressing their necessity and logistics.

Coordinator: Abdul Yafiz K.M
Contact No.: 9895666427

DEPARTMENT OF BOTANY

Certificate Course in Nursery and Landscaping

Objectives of the Course

The primary objectives of the course include:

- To enable the students to get knowledge related to gardening.
- To enable the students to acquire the basics skills of Nursery management.
- To develop the practical knowledge of nursery maintenance.

Duration: 31 Hours

Key Modules

This course covers nursery basics, including establishment, plant varieties, and agroclimatic requirements. Practical sessions focus on potting mixtures, manuring, and growth monitoring. Propagation techniques like budding, layering, and grafting are explored, along with pest and pathogen control. The curriculum extends to landscaping, diverse kinds, agencies, promotions, and marketing. The final project involves product development, propagation experiments, and growth monitoring.

Outcome

This course prioritizes nursery techniques for seedling production and improved tree propagation methods. It emphasizes developing detailed production schedules for each propagated species, ensuring optimal growth conditions, and protection from stress and extreme climates. The certificate program enhances skills, teaching students landscaping, ornamental, medicinal, and aromatic plant cultivation. Graduates can apply learned nursery techniques, potentially starting their business in the field.

Coordinator: Dr. Girija T P
Contact No.: 9526570267

DEPARTMENT OF BOTANY

Certificate Course in Geoinformatics and Mapping for Natural Resource Management

Objectives of the Course

The primary objectives of the course include:

- To carry out inter and multidisciplinary research and studies on issues related to Geo-information.
- Provide efficient means for data distribution and handling.
- Complex analysis/queries involving geographical reference data to generate new information.

Duration: 31 Hours

Collaboration: CEtC of Western Ghats Hornbill Foundation

Key Modules

The GIS course covers fundamental concepts, including GIS and spatial data, emphasizing real-world applications. It provides an overview of open source and proprietary GIS software, comparing their capabilities, focusing on ESRI and QGIS. The course explores spatial technology applications in natural resource management, highlighting spatial analytical tools. Additionally, it delves into spatial data model creation through GPS surveys, georeferencing, digitization, and visual interpretation of satellite imagery.

Outcome

This program raises awareness of Geospatial technologies, providing participants with essential skills for managing GIS tasks in biodiversity conservation. It contributes valuable spatial knowledge to students and enables them to undertake GIS projects effectively, fostering a pool of expertise within the student community.

Coordinator: Dr. Amitha Bachan K H
Contact No.: 9497627870

DEPARTMENT OF BOTANY

Certificate Course in Edible Fungus Fundamentals

Objectives of the Course

The primary objectives of the course include:

- Enable the students to identify edible and poisonous mushrooms
- Provide hands on training for preparing beds for mushroom cultivation and spawn production
- Give the students exposure to the experiences of experts and functioning mushroom farms
- Help the students learn a means of self-employment and income generation.

Duration: 30 Hours

Key Modules

The course covers mushroom cultivation, including taxonomy, history, and edible varieties like button, milky, oyster, and paddy straw mushrooms. Principles encompass house structure, substrate sterilization, spawn production, composting, and cultivation techniques. Health benefits, post-harvest methods, and entrepreneurship, including value-added products, are explored. Practical aspects include sterilization, sanitation, mother culture preparation, inoculation, incubation, spawn production, and oyster mushroom cultivation.

Outcome

The course prioritized employability and entrepreneurship, equipping students with year-round mushroom cultivation skills for farms of all sizes. Emphasizing profit potential, even for those with limited experience, the technical training empowers students to confidently start and manage mushroom farming businesses, utilizing technology and infrastructure effectively for success.

Coordinator: Nazeema M K
Contact No.: 8606335137

DEPARTMENT OF PSYCHOLOGY

Certificate Course in Platform Skills

Objectives of the Course

The primary objectives of the course include:
- Training Students to enhance and acquire skills to develop Soft Skills
- Develop Skills in Communication and Presentation Skills
- Develop Skills to Train others on the Aspect of Administrative skills

Duration: 30 Hours

Key Modules

This course emphasizes functional skills, including communication (verbal, nonverbal), discussion facilitation, interview skills, negotiation, public interaction, and teamwork. The training orientation focuses on building confidence and self-management skills, covering time management, self-motivation, stress management, adaptability, decision-making, goal alignment, and personal development. The course also explores training tools, digital tools, and guides participants in developing a training career.

Outcome

Upon completion, participants will master crucial functional skills, including effective communication, interpersonal relations, and self-management. They will develop confidence, emotional intelligence, and proficiency in using various training tools and digital platforms. The course prepares them for successful careers in training and development, fostering versatile and skilled professionals.

Coordinator: Lathif Penath
Contact No.: 9946238540

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Certificate Course in Information Literature Survey and Reference Management

Objectives of the Course

The primary objectives of the course include:

- Identify types of information resources available
- To understand the structure of knowledge management
- Access the required information effectively and efficiently
- Evaluate information and its sources critically
- Use the information ethically to satisfy the information need
- Documentation of the sources in the research document
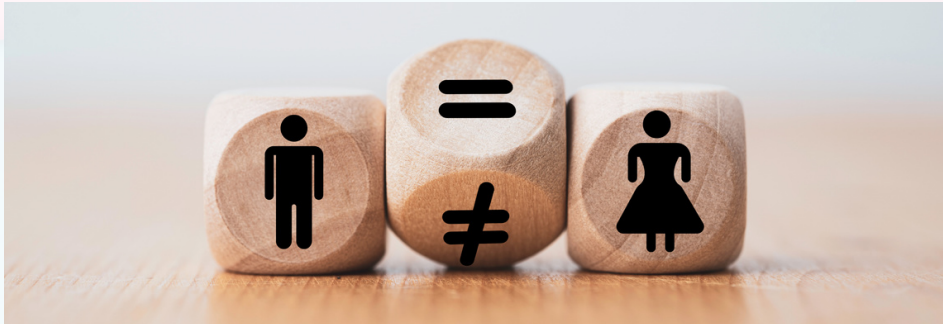
Duration: 30 Hours

Key Modules

Explore data, information, knowledge, and wisdom concepts. Learn knowledge management, information resources, literature survey, reliable web sources, searching techniques, and digital repositories. Academic Writing covers citing, referencing, style manuals, ethics, plagiarism, and similarity check software. Reference Management involves Mendeley installation, library building, document organization, and hands-on training for effective research and documentation.

Outcome

Upon completion, learners will elicit knowledge management, identify diverse resource types in various formats, understand the bibliographic information needed for source citation, find documentation guidelines for different styles, comprehend plagiarism and software detection, interpret similarity reports, explore online project tools, and utilize reference management software packages effectively.

Coordinator: Saliha P I
Contact No.: 9809841067

DEPARTMENT OF PSYCHOLOGY

Certificate Course in Gender Equality Major Perspectives

Objectives of the Course

The primary objectives of the course include:

- To build a conscious group of students with regard to gender concepts.
- To empower students with regard to the right ensured by the law.
- To Bring Awareness among students with regard to all gender binaries.

Duration: 31 Hours

Key Modules

Covering basic concepts, the course delves into gender terminologies, inequalities, differences, justice, and the evolution of gender studies. Exploring gender role attitudes, it addresses perceptions of men's and women's roles, traditional versus modern sexism, hostile versus benevolent sexism, gender role stereotyping, and attitudes toward LGBTQIA+. In the Indian context, the syllabus examines gender issues, rights, laws, workplace diversities, and empowers gender minorities.

Outcome

The gender studies syllabus profoundly impacts educators and professionals, fostering a deep understanding of gender concepts and justice. It covers fundamental terminologies, gender differences, inequalities, and the evolution of gender studies. Exploration of gender role attitudes enhances awareness, challenging stereotypes, and promoting inclusivity. In the Indian context, the syllabus addresses rights, laws, workplace diversity, and empowers participants to advocate for gender equity.

Coordinator: Lathif Penath
Contact No.: 9946238540

DEPARTMENT OF CHEMISTRY

Certificate Course in Introduction to Polymer Science

Objectives of the Course

The primary objectives of the course include:

- To gain detailed knowledge about the classification of polymers and various mechanisms and technology for polymerization
- To give a basic understanding of the properties of polymers like glass transition temperature, molecular weight and degradation of polymers.
- To give a detailed idea about different commercial polymers.

Duration: 30 Hours

Key Modules

Explore polymers, macromolecules, monomers, homo and hetero polymers, and their classifications based on synthesis, structure, and intermolecular forces. Dive into chain and step growth polymerizations, covering free radical, ionic, and coordination polymerizations, Zeigler-Natta polymerization, and ring-opening, group transfer polymerization. Examine properties like molecular weights, glass transition temperature, viscoelasticity, and polymer degradation. Understand preparation methods and processing techniques.
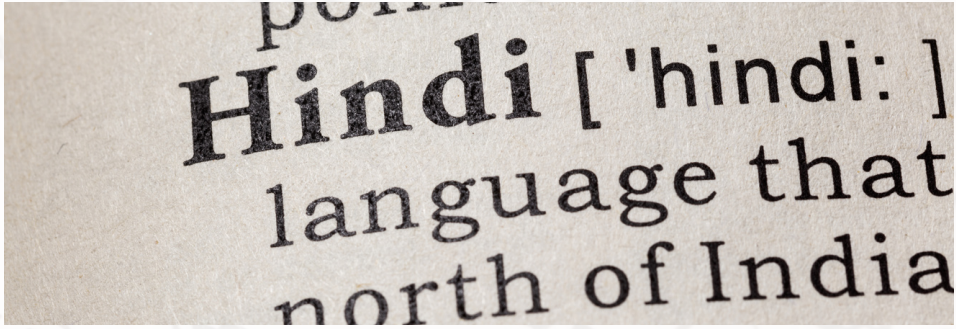
Outcome

The fundamentals of polymer science course imparts knowledge on polymer laboratory organization and synthesis techniques. Evaluation through assignments, practical skills assessments, and a final exam ensured comprehensive learning. The course successfully equipped students to apply their polymer science knowledge across various fields, enhancing their practical understanding.

Coordinator: Dr.Ansar E B
Contact No.: 9746227728

DEPARTMENT OF HINDI

Certificate Course in Basic Communicative Skill Development in Hindi

Objectives of the Course

The primary objectives of the course include:

- To enable the students to get through competitive examinations.
- To enable the students to acquire basics of grammatical usages.
- Speaking, listening, Understanding, Reading, and writing in Hindi

Duration: 30 Hours

Key Modules

Explore the need for skill development through a diagnostic test. Delve into parts of speech like nouns, determiners, pronouns, adjectives, adverbs, prepositions, and conjunctions. Understand sentence structure, verb forms, subject-verb agreement, tenses, active/passive voice, reported speech, and tag questions. Learn various skills in Hindi, including speaking, listening, understanding, reading, and writing.

Outcome

This course develops language skills in Hindi, fostering a comprehensive understanding of grammar and communication. Participants master parts of speech, sentence structures, and verb forms. They gain proficiency in speaking, listening, understanding, reading, and writing Hindi. The course enhances linguistic competence, promoting effective communication and skill development.

Coordinator: Nisha M D
Contact No.: 9544749432

DEPARTMENT OF PHYSICAL EDUCATION

Certificate Course in Fitness and Lifestyle Disease Management

Objectives of the Course

The primary objectives of the course include:

- To create importance about health and fitness among youth.
- To create awareness about management of common lifestyle diseases.

Duration: 30 Hours

Key Modules

Explore common lifestyle diseases such as diabetes, hypertension, back pain, obesity, and coronary heart disease, focusing on their management. Delve into fitness components like strength, speed, endurance, flexibility, coordination, and agility. Understand health-related and performance-related physical fitness, along with cosmetic fitness. Learn principles of fitness training for a holistic approach to well-being.

Outcome

This course equips participants with knowledge about common lifestyle diseases, emphasizing effective management strategies. It delves into diverse fitness components, enhancing understanding of health-related and performance-related physical fitness, as well as cosmetic fitness. Participants gain insights into the principles of fitness training for comprehensive well-being and disease prevention.

Coordinator: Lt. M B Bindil
Contact No.: 9847374706

DEPARTMENT OF AQUACULTURE

Certificate Course in Climate Smart Aquaculture

Objectives of the Course

The primary objectives of the course include:

- Develop a clear understanding of the concept of Climate Smart Aquaculture, outlining its key components and principles.
- Identify and comprehend the specific requirements and challenges addressed by Climate Smart Aquaculture practices.
- Enumerate the advantages and positive outcomes associated with the implementation of Climate Smart Aquaculture.
- Evaluate the current status and adoption of Climate Smart Aquaculture practices across diverse nations.

Duration: 31 Hours

Key Modules

Delve into the significance of fisheries and aquaculture, exploring climate change impacts and vulnerabilities. Adopt climate-smart approaches using EAF/EAA to build resilience. Focus on practical themes for sustainable productivity, vulnerability reduction, and emissions management. Strategize climate-smart approaches at various levels and assess progress. Transition to Climate-Smart Aquaculture, emphasizing the Indian context.
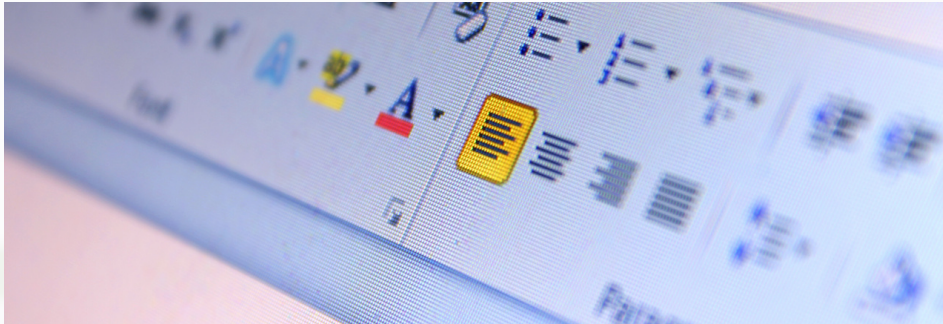
Outcome

Upon completion of this course, participants will gain a comprehensive understanding of Climate Smart Aquaculture (CSA), including its key principles and components. They will identify the specific requirements and challenges addressed by CSA practices, list the associated benefits, and evaluate the global status of CSA adoption in diverse countries. Additionally, participants will acquire practical skills to apply CSA methods in aquaculture and fisheries, with a focus on assessing the relevance and impact of CSA in the context of Indian aquaculture practices and environmental conditions.

Coordinator: Shibu A Nair
Contact No.: 9846262611

DEPARTMENT OF COMMERCE

Certificate Course in MS Office

Objectives of the Course

The primary objectives of the course include:

- Providing students with an in-depth understanding of modern office automation tools and techniques.
- To enhance participants' proficiency in various computer applications commonly used in office settings.
- To be proficient in Microsoft Office applications, including MS Word, MS Excel, and MS PowerPoint, and gain a sound understanding of computer fundamentals, the internet, and email usage.

Duration: 30 Hours

Key Modules

The most crucial module in the course syllabus was "MS Word". This module covered essential skills in working with documents, including opening, editing, formatting text and pages, using tables and charts, mail merge, proofing, and printing documents. Students learned various essential functions such as selecting, moving, copying, cutting, pasting, spell-checking, and utilizing keyboard shortcuts. MS Word is a fundamental tool used in office environments for document creation and editing, making it an indispensable module in the syllabus.
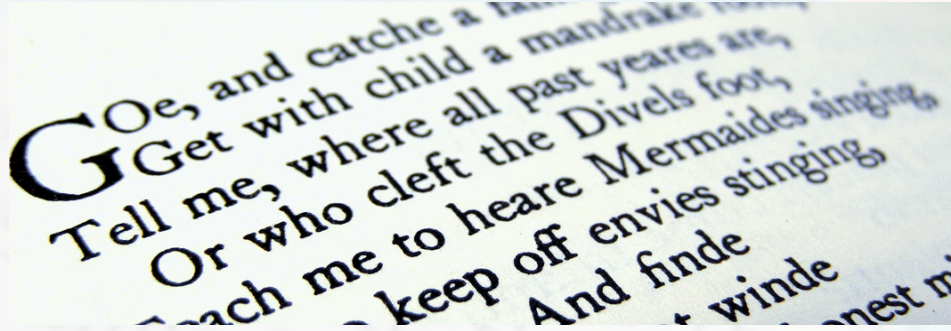
Outcome

The Certificate Course in MS Office ensures students gain proficiency in Microsoft Office applications like Word, Excel, and PowerPoint. It imparts knowledge of computer fundamentals, operating systems, and hardware. Students develop competence in document creation, spreadsheet manipulation, and presentation design. Additionally, the course enhances internet and email management skills, fostering practical efficiency in office-related tasks.

Coordinator: Deepa K A
Contact No.: 8111866934

DEPARTMENT OF ENGLISH

Add on Course in Introduction to Literary Theory

Objectives of the Course

The primary objectives of the course include:

- To analyse texts within the discipline of English Literary Studies
- To provide a comprehensive overview of the diverse framework of literary theory
- To enable the students to engage with literature more critically.
- To connect theoretical frameworks to the social, political and cultural contexts that underline them.

Duration: 30 Hours

Key Modules

The course navigated the landscape of literary criticism, spanning its origins, evolution, and key theorists. It delved into classical traditions with insights from Greek thinkers like Plato and Aristotle, progressing to Neo-Classicism and Romanticism with figures like Samuel Johnson and Wordsworth. The exploration extended to contemporary theories such as Feminism, Postcolonialism, and more. Practical applications of these theories in literary texts were emphasized.

Outcome

The course delivered substantial benefits to students by offering a diverse range of critical knowledge across various domains. It provided practical exposure to the real-world application of criticism, fostering a comprehensive understanding. Additionally, the course guided students in successfully completing projects, enhancing both their practical skills and theoretical expertise.

Coordinator: Dr. Reshmi S
Contact No.: 8157062509

DEPARTMENT OF ENGLISH

Add on Course in Basics of Research Paper Writing

Objectives of the Course

The primary objectives of the course include:

- To cultivate the desire to get intellectual joy of doing more creative work.
- To equip the students to produce independent and competent research works of their own.
- To expose the students to the importance of the ethics of research writing.
- To enable students to face challenges in solving unsolved problems.

Duration: 30 Hours

Key Modules

The course, "Basics of Research Paper Writing," encompassed essential aspects of crafting effective research papers. It covered grammar nuances, title framing, topic selection, plagiarism ethics, literature sources, organization strategies, and dissertation drafting. Participants gained proficiency in MLA citation rules, formatting, and in-text citations, enhancing their research writing skills and ethical understanding.

Outcome

The course resulted in heightened knowledge and confidence in research, fostering a solid grasp of MLA documentation style. Language competency was refined through iterative editing processes, and students exhibited improved research aptitude. This comprehensive experience equipped learners with valuable skills essential for effective scholarly engagement and academic writing.

Coordinator: Mona V M
Contact No.: 7736364688

DEPARTMENT OF AQUACULTURE

Add on Course in Coastal Zone Management

Objectives of the Course

The primary objectives of the course include:
- Define diverse sources of marine pollution and distinguish between them.
- Cultivate awareness of potential hazards arising from aquatic pollution.
- Identify and comprehend global and regional agreements and initiatives aimed at mitigating marine pollution.
- Demonstrate practical knowledge of best practices and precautions for safeguarding the aquatic environment.

Duration: 30 Hours

Key Modules

Explore Marine Pollution with in-depth coverage of GESAMP's role, major pollutants, sources, transport dynamics, and the toxicology of marine organisms. Investigate sewage pollution's industrial, agricultural, and domestic facets, its impact, and treatment methods. Delve into detergent and plastic pollution, while also examining heavy metals, pesticides, oil, thermal, and radioactive pollution, with a focus on ecological impacts. Survey environmental monitoring methods, emphasizing analytical instruments for assessing critical pollutants.

Outcome

Upon completing the course, students can define and differentiate various sources of marine pollution, demonstrating awareness of aquatic pollution hazards. They can identify global and regional agreements addressing marine pollution, apply protective practices, and offer mitigation measures for pollution and toxic effects, showcasing a comprehensive understanding of marine environmental conservation.

Coordinator: Dr. Dhanya P R
Contact No.: 9447467982

DEPARTMENT OF DIGITAL FILM PRODUCTION

Add on Course in Basic Understanding on Short Film Production

Objectives of the Course

The primary objectives of the course include:
- Explore the fundamentals of storytelling, covering scriptwriting basics and script evaluation.
- Progress to essential aspects of indie filmmaking, including direction, cinematography, and art direction.
- Emphasize crew dynamics, pre-production processes, and practical script filming..

Duration: 30 Hours

Key Modules

Explore the art of storytelling and scriptwriting, guiding participants through script creation and film genre exploration. Emphasize script evaluation, selection, and dedication to working on others' scripts. Cover basics of indie filmmaking, direction, cinematography, art direction, and crew dynamics. Introduce pre-production processes, film the script, and delve into location manners. Facilitate movie screening, critique, appreciation, and improvement analysis.

Outcome

The course delves into the intricacies of effective storytelling, covering scriptwriting basics and script evaluation. Participants hone their skills by writing and analyzing scripts, gaining insight into film genres. The module progresses to fundamental aspects of indie filmmaking, including direction, cinematography, and art direction. Emphasis is placed on crew dynamics, pre-production processes, and practical application through filming scripts. Participants learn location manners and language, culminating in a critical screening, appreciation, and analysis of the produced film, fostering a comprehensive understanding of the filmmaking process.

Coordinator: Amarjith P B
Contact No.: 99958 91148

DEPARTMENT OF PSYCHOLOGY

Add on Course in Student Psychology: Major Developmental, Cognitive and Behaviour Factors

Objectives of the Course

The primary objectives of the course include:

- To generate interest in Psychology
- To make familiar the basic concept of the field of Psychology with an emphasis on applications of Psychology in everyday life.
- To understand the basics of various Assessments in Psychology
- To provide basic knowledge about systems and procedure like attention, learning and Consciousness.
- To Provide Training in Case Study, case formulation and MSE

Duration: 30 Hours

Key Modules

Explore the Indian educational system's impact on student mental health, emphasizing teacher roles, study habits, stress factors, motivation, and performance. Delve into developmental psychology, covering milestones, factors affecting stages, and developmental disorders. Address various learning disabilities and common behavioral issues in childhood and adolescence. Finally, examine cognitive skills development.

Outcome

The course aims to instill a genuine interest in Psychology among participants. It provides a comprehensive understanding of fundamental concepts in the field, emphasizing their practical applications in everyday life. Students delve into various assessments used in Psychology, gaining insights into psychological systems and procedures like attention, learning, and consciousness. Additionally, the course offers practical training in case study, case formulation, and mental state examination (MSE), ensuring a well-rounded grasp of psychological principles and their real-world implications.

Coordinator: Lathif Penath
Contact No.: 9946238540

DEPARTMENT OF COMPUTER APPLICATIONS

Add on Course in Android Application and Flutter

Objectives of the Course

The primary objectives of the course include:

- Acquire advanced knowledge in Android and Flutter application development.
- Understand the fundamentals of MySQL for database management.
- Develop the skills to undertake small projects in Android application development.

Duration: 30 Hours
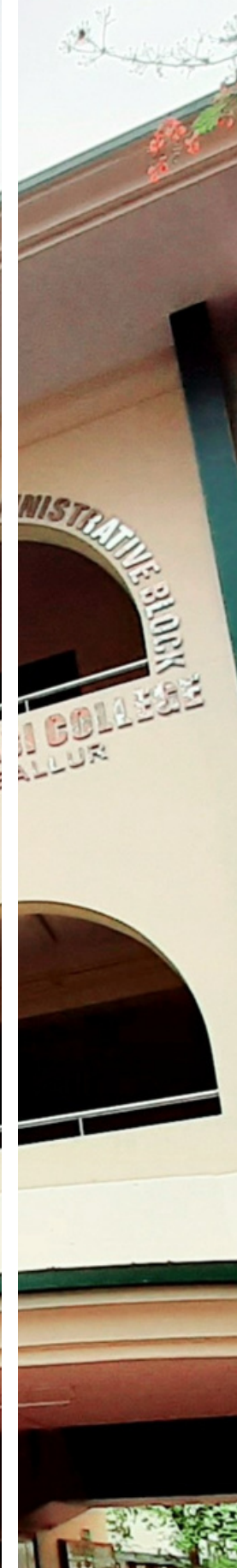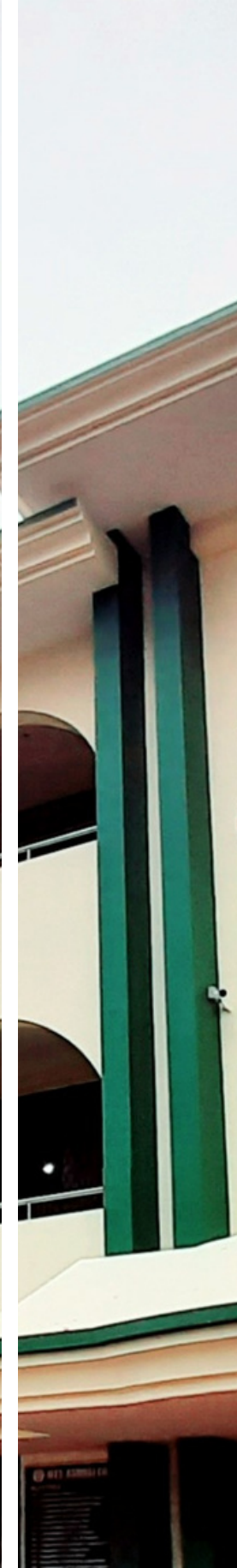
Collaboration: Grapesgenix Technical Solutions, Thrissur

Key Modules

Participants delve into Android app development, exploring SDK features, architecture, and UI design in the initial module. Tasks involve designing registration and login forms. The subsequent module introduces data retrieval, intents, and splash screens. MySQL database operations are covered in Module 3, connecting forms to the database. The final module explores camera usage, file handling, and integration with Google Maps for an extensive skill set.

Outcome

This course empowers participants with advanced skills in Android and Flutter application development, ensuring a comprehensive understanding of MySQL concepts for efficient database management. By the course's conclusion, students will possess the capability to undertake and successfully complete small-scale projects, showcasing practical application in Android development.

Coordinator: Jabin T H
Contact No.: 9747724640

MES ASMABI COLLEGE

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