



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

List of Value Added courses conducted in the institution during the academic year 2020-21

S.No	Name of the Programme
1.	Manuscrip-logy
2.	Communication Skills
3.	Email Etiquette
4.	HR Recruitment Training
5.	Computer Application in Business
6.	Time Management
7.	S-ck Market
8.	Chartered Accountant
9.	GST
10.	Business Journalism
11.	Online Trading
12.	Cyber Security
13.	Mutual Fund Operation
14.	Bio Entrepreneurship
15.	Hands on training an Android App Development
16.	Practical course on Data Science
17.	Wi-Fi Technology
18.	Power Bi
19.	Internet of Things
20.	Mathematical Economics
21.	Preparation of Household Chemicals and Perfumes
22.	Water and soil Analysis
23.	Online Trading
24.	Mathematical Statistics
25.	Natural Language Processing



Jar
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAI.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mr. A.K Gowthemraj
Head & Assistant Professor,
Department of English
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.
This is bringing to your kind notice that we have planned to conduct a Value Added Course on "Communication Skills" for III BA English students. This course is very useful for students to develop their knowledge about their future study. So please give the permission for the above said programs.

Thanking you

Course Name: "Interview Skills"

Name of the Co-ordinator:

Mrs. G.Priyadharshini

Place: Perambai

Date : 28.01.2020

Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

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30.01.2020

CIRCULAR

It is hereby informed that our English department is going to conduct the value added course on "Communication Skills" for III BA English students. Hence the students of Literature have to enroll their name to the course coordinator on or before 31.01.2020.

III BA ENGLISH - Communication Skills

A. M. Howard No 2.
Principal

Copy to

1. Principal
2. Office
3. English Department



J. M.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.

About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc.

About the Department

English has become the official business language of the world. It is the most widely used programming, computing and digital language of the virtual world. More than 90 % of the worlds scientific literature including conference proceeding, journals and books are published in English language. It has worldwide acceptance as the commercial language for business, trade, commerce and financial transactions. Apart from the commercial and scientific perception of the English language, it has it's own literary value and aesthetic beauty.



AGENDA

Day 1 to 10

Introduction to communication theory-Models of communication-Verbal and nonverbal communication- Perception and interpretation- Cultural influences on communication Effective listening skills-Assertiveness and empathy-Conflict resolution techniques-Building and maintaining relationships- Understanding communication styles

Day 11 to 20

Dynamics of group communication-Leadership and facilitation skills-Decision-making processes in groups- Managing group conflicts- Collaborative Problem-Solving Business Communication Etiquette-Writing Effective Emails And Memos-Presentation Skills-Negotiation And Persuasion Tactics-Networking And Social Communication

Day 21 To 30

Social Media Etiquette-Online Communication Tools And Platforms-Digital Storytelling- Managing Online Presence And Reputation-Cyber Security And Privacy Concerns -Assessment Test



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New Government Act No. 23 of 1956, Act. 1956

RAAK ARTS AND SCIENCE COLLEGE

Recognized under 2(f) of UGC Act - 1956

(Affiliated to Thiruvalluvar University | ISO 9001: 2015 Certified Institution)
Perambai - 605110, Villupuram dt, Tamilnadu
(A Unit of Farouk Educational Trust)

DEPARTMENT OF ENGLISH

VALUE ADDED COURSE COMMUNICATION SKILLS

FROM 03/02/2020

TO 13/03/2020

ALL ARE WELCOME

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SYLLABUS

Course Title: COMMUNICATION SKILLS

Course Description: This course aims to enhance students' communication abilities in various contexts, including interpersonal, group, and professional settings. Through theoretical insights, practical exercises, and real-world applications, students will develop the necessary skills to communicate effectively and confidently..

Course Duration: 30 Hours

Unit 1: Foundations of Communication (6 HOURS)

Introduction to communication theory-Models of communication-Verbal and nonverbal communication-Perception and interpretation-Cultural influences on communication

Unit 2: Interpersonal Communication (6 HOURS)

Effective listening skills-Assertiveness and empathy-Conflict resolution techniques-Building and maintaining relationships-Understanding communication styles

Unit 3: Group Communication (6 HOURS)

Dynamics of group communication-Leadership and facilitation skills-Decision-making processes in groups-Managing group conflicts-Collaborative problem-solving

Unit 4: Professional Communication (6 HOURS)

Business communication etiquette-Writing effective emails and memos-Presentation skills-Negotiation and persuasion tactics-Networking and social communication

Unit 5: Digital Communication (6 HOURS)

Social media etiquette-Online communication tools and platforms-Digital storytelling-Managing online presence and reputation-Cybersecurity and privacy concerns

REFERENCES

"Communicating Effectively" by Sandra Hybels and Richard L. Weaver II



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DEPARTMENT OF ENGLISH VALUE ADDED COURSE (2020 -2021)

COMMUNICATION SKILLS SUMMARY REPORT

Upon completion of the communication skills course, students will demonstrate proficiency in various aspects of communication essential for success in personal and professional contexts. They will effectively articulate ideas verbally and in writing, actively listen with empathy and understanding, and navigate interpersonal interactions with confidence and assertiveness. Furthermore, students will develop the ability to contribute constructively to group discussions, lead and facilitate group activities, and resolve conflicts within team settings. They will also master communication skills necessary for professional success, including writing clear and concise emails, delivering engaging presentations, and networking effectively. Additionally, students will gain cultural awareness and adaptability, understanding how to communicate respectfully across diverse cultural contexts. Through critical thinking and problem-solving exercises, students will analyze communication situations, identify barriers, and apply appropriate strategies for effective communication. Ethical communication practices will be emphasized, promoting integrity, honesty, and respect in all interactions. Finally, students will engage in self-reflection, continuously assessing and improving their communication skills to become confident and competent communicators.


CO-ORDINATOR


HOD




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Head & Assistant Professor,
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Raak Arts and Science College,
Perambai – 605110

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The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.
This is bringing to your kind notice that we have planned to conduct a Value Added Course on "Email Etiquette" for I & II BA English students. This course is very useful for students to develop their knowledge about their future study. So please give the permission for the above said programs.

Thanking you

Course Name: "Email Etiquette"

Name of the Co-ordinator: Mr.A.K.Gowthemraj

Faithfully

Place: Perambai

Date : 26.12.2019

Yours

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RAAK ARTS & SCIENCE COLLEGE
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27.12.2019

CIRCULAR

It is hereby informed that our English department is going to conduct the value added course on "Email Etiquette" for I & II BA English students. Hence the students of Literature have to enroll their name to the course coordinator on or before 31.12.2019.

I & II BA ENGLISH - Email Etiquette

Q. M. Hameed No 2.

Principal

Copy to

1. Principal
2. Office
3. English Department



Jar

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AGENDA

Day 1 to 10

Definition and importance of GD- Types of GDs (formal, informal, brainstorming, problem-solving) -Objectives and benefits of GD - Preparation for GD- Identifying and addressing conflicts- Using & statements to express opinions Understanding group behavior and dynamics- Roles and responsibilities in a group - Effective communication and conflict resolution- Building trust and rapport among group members- Practicing GD skills through case studies or scenarios -Discussing real-life scenarios and developing solutions

Day 11 to 20

Research and gathering information on the topic Creating a list of questions and points to discuss -Organizing thoughts and ideas- Practicing active listening and asking questions- Introduction to the topic and setting the agenda- Encouraging participation and active listening -Managing time and keeping the discussion focused - Dealing with distractions and conflicts

Day 21 to 30

Verbal communication skills (voice, tone, language) - Nonverbal communication skills (body language, facial expressions) - Active listening skills (maintaining eye contact,



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Perambai – 605110, Villupuram dt, Tamilnadu

DEPARTMENT OF ENGLISH

VALUE ADDED COURSE

Email Etiquette

FROM 02/01/2020

TO 18/02/2020

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SYLLABUS

Course Title: Email Etiquette

Course Description: The "Email Etiquette" course is designed to improve participants' professional communication skills by focusing on the principles of effective and respectful email correspondence. This course covers key topics such as crafting clear and concise messages, using appropriate tone and language, managing email threads, and understanding the importance of timely responses. Participants will also learn best practices for email formatting, attachment management, and handling sensitive information. By the end of the course, students will be equipped to communicate more efficiently and professionally through email, enhancing their overall workplace interactions and productivity.

Unit 1: Introduction to Email Writing (6 HOURS)

Definition of email writing- History and evolution of email writing- Importance of email writing in professional communication- Basics of email writing (e.g. format, tone, language)- Common mistakes to avoid in email writing (e.g. spelling errors, grammatical errors,

Unit 2: Email Writing Format and Structure (6 HOURS)

Parts of an email (subject, greeting, body, closing, signature)- Best practices for writing an effective email - Common mistakes to avoid in email writing- Strategies for editing and proofreading emails

Unit 3: Email Writing Styles and Tone (6 HOURS)

Formal and informal writing styles- Persuasive writing styles - Using the right tone in an email- Write an email using different writing styles (formal, informal, persuasive) - Identify and correct tone issues in an email

Unit 4: Email Writing for Specific Purposes (6 HOURS)

Learn how to write effective emails for specific purposes- Writing emails for formal requests – Writing emails for informal queries - Writing emails for other purposes (e.g. follow-ups, complaints)

Unit 5: Email Writing for Different Audiences (6 HOURS)

Understanding the audience (e.g. colleagues, clients, managers) - Writing emails for different audiences (e.g. colleagues, clients, managers)- Identify and correct common mistakes in an email



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REFERENCES

- Email Writing: Advanced" by Patrick Fitzgerald
The Elements of Email Style: Communicate Effectively via Electronic Mail" by
Robert Bly



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DEPARTMENT OF ENGLISH VALUE ADDED COURSE (2020 -2021)

EMAIL ETIQUETTE SUMMARY REPORT

The "Email Etiquette" course aims to equip participants with the necessary skills to communicate professionally and effectively via email. Throughout the course, participants will learn the importance of clarity, tone, and professionalism in their email communications. By the end of the course, participants will have developed a thorough understanding of email etiquette principles, including proper formatting, concise writing, and timely responses. They will be able to craft emails that convey their message clearly, build positive professional relationships, and avoid common pitfalls. Overall, participants will emerge from the course with enhanced email communication skills essential for success in today's workplace.

CO-ORDINATOR

HOD



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RAAK ARTS AND SCIENCE COLLEGE

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PERMISSION LETTER

FROM

R.DEVAKI
Head & Assistant Professor,
Department of Business administration
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.
This is bringing to your kind notice that we have planned to conduct Value Added Course on "STOCK MARKET" for III B.Com students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: STOCK MARKET

Name of the Co-ordinator:

R.DEVAKI (III B.COM)

Place: Perambai

Date: 24.08.2020



Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
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Recognized under section 2(f) of the UGC Act, 1956.

25.08.2020

CIRCULAR

It is hereby informed that our Commerce Department is going to conduct the value added course on " STOCK MARKET " for III BCOM students. Hence the students of our Commerce Department have to enroll their name to the course coordinator on or before 31.08.2020

III BCOM : STOCK MARKET

A. M. Harind No 2.
Principal

Copy to

1. Principal
2. Office
- 3..Department of Commerce

Jam.

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VILLIANUR POST-605 110
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RAAK ARTS AND SCIENCE COLLEGE

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ABOUT THE INSTITUTION

RAAK Arts and Science a Co-Education College affiliated to Thiruvalluvar University, Vellore, and Govt. of TN launched in the year 2009. We started with 5 UG courses and 180 students which have now grown up offering 12 UG courses, 7 PG Courses and 2 Ph.D., Courses with and overall strength of around 1500 students. We strive to produce graduates in different streams building strong moral values, well-disciplined with quality education to make them a complete human to face the challenges of the world with courage and commitment and help them lead a successful life building a good society.

ABOUT THE DEPARTMENT

RAAK Arts and Science College offers B. Com. Programmes. The Department of Commerce's mission is to create the conditions for economic growth and opportunity for all communities. Through its 13 bureaus, the Department works to drive U.S. economic competitiveness, strengthen domestic industry, and spur the growth of quality jobs in all communities across the country. The Department serves as the voice of business in the Federal Government, and at the same time,

technologies such as quantum computing and artificial intelligence (AI).

OBJECTIVE OF THE VALUE ADDED COURSE

- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills

ABOUT THE COURSE

The status of women in India is strongly connected to family relations. In India, the family is seen as crucially important, and in most of the country, the family unit is patrilineal. Families are usually multi-generational, with the bride moving to live with the in-laws..

- To familiarize students with the specific cultural contexts of women in India
- To Orient the students regarding Theories of Gender Relations, Position of Women in India Society
- To Imbibe knowledge about Economic



RAAK ARTS AND SCIENCE COLLEGE

Course:
STOCK MARKET

Venue:
CLASS ROOM
Department of Commerce
RAAK Arts & Science
College

Start: **03/09/2020 TO**
12/10/2020

Organized by



Department of Commerce
RAAK Arts & Science
College
Perambai, Villianur

ALL ARE WELCOME



John
PRINCIPAL
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VILLIANUR POST-605 110
PERAMBAL.



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SYLLABUS STOCK MARKET

Unit 1: Introduction to Financial Markets (6hr)

Overview of financial markets and their functions - Introduction to different types of financial instruments (stocks, bonds, derivatives, etc.) - Basic concepts of investment analysis and portfolio management - Introduction to market participants (investors, traders, brokers, etc.) - Regulatory framework governing financial markets

Unit 2: Fundamental Analysis (6hr)

Understanding financial statements (income statement, balance sheet, cash flow statement) - Financial ratio analysis to evaluate company performance and financial health - Industry analysis and competitive positioning - Economic analysis and its impact on investment decisions - Valuation techniques for stocks and other financial assets

Unit 3: Technical Analysis (6hr)

Principles of technical analysis and charting - Common technical indicators (moving averages, MACD, RSI, etc.) - Chart patterns and their significance in predicting price movement St rends, support, and resistance levels.

Unit 4: Portfolio Management (6hr)

Modern portfolio theory and the efficient frontier - Capital Asset Pricing Model (CAPM) and its applications - Diversification and risk management strategies - Asset allocation strategies based on investor objectives and risk tolerance - Performance evaluation and monitoring of investment portfolios.

Unit 5: Derivatives and Risk Management (6hr)

Introduction to derivatives markets (futures, options, swaps, etc.) - Pricing and valuation of derivative instruments - Hedging strategies using derivatives to manage risk exposure -



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Understanding leverage and its implications in derivative trading - Regulation and oversight of derivatives markets.

VALUE ADDED COURSE (2020 -2021)

STOCK MARKET

SUMMARY REPORT

The Stock Market course is designed to provide participants with a comprehensive understanding of equity markets, investment strategies, and trading techniques. Covering essential topics such as market analysis, stock valuation, portfolio management, and risk assessment, the course equips students with the tools needed to navigate the complexities of stock trading. Emphasizing both fundamental and technical analysis, participants learn how to make informed investment decisions and develop effective trading strategies. The course also addresses market psychology and behavioral finance, helping students understand the emotional aspects of trading. By the end, participants will be well-prepared to engage in stock market activities confidently and strategically, making it an invaluable resource for aspiring investors and financial professionals.


COURSE COORDINATOR


HOD




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PERMISSION LETTER

FROM

R.DEVAKI
Head & Assistant Professor,
Department of Business administration
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on " AWARENESS ON CHARTERED ACCOUNTING " for II B.Com students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: AWARENESS ON CHARTERED ACCOUNTING

Name of the Co-ordinator:

R.DEVAKI (II B.COM)

Place: Perambai

Date: 01.07.2020

Yours Faithfully

PRINCIPAL

RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
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RAAK ARTS AND SCIENCE COLLEGE

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02.07.2020

CIRCULAR

It is hereby informed that our Commerce Department is going to conduct the value added course on " AWARENESS ON CHARTERED ACCOUNTING " for II BCOM students. Hence the students of our Commerce Department have to enroll their name to the course coordinator on or before 06.07.2020

II BCOM - AWARENESS ON CHARTERED ACCOUNTING

A. H. N. S.
Principal

Copy to

1. Principal
2. Office
- 3..Department of Commerce



Jam
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
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technologies such as quantum computing and artificial intelligence (AI).

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- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
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ABOUT THE COURSE

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- To familiarize students with the specific cultural contexts of women in India
- To Orient the students regarding Theories of Gender Relations, Position of Women in India Society
- To Imbibe knowledge about Economic Development, Women and Work Force Labour



RAAK ARTS AND SCIENCE COLLEGE

Course:
**AWARNESS ON
CHARTERED
ACCOUNTING**

Venue:
CLASS ROOM
Department of Commerce
RAAK Arts & Science
College

Start: **08/07/2020 TO
17/08/2020**

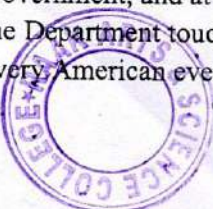
Organized by



Department of Commerce
RAAK Arts & Science
College
Perambai, Villianur

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SYLLABUS

AWARENESS ON CHARTERED ACCOUNTING

Unit 1: Foundation Course

(6hr)

Basics of accounting principles and concepts - Fundamentals of business mathematics and statistics - Introduction to economics and business environment - Basics of business communication and ethics - Introduction to business laws and regulatory framework.

Unit 2: Intermediate Course - Group I: Accounting

(6hr)

Advanced accounting principles and practices - Preparation and presentation of financial statements - Accounting for amalgamations, absorption, and reconstruction - Accounting for special transactions (consignment, joint ventures, etc.) - Corporate accounting and accounting standards

Unit 3: Intermediate Course - Group I: Corporate and Other Laws

(6hr)

Indian company law and regulatory framework - Securities laws and capital market regulations - Corporate governance and ethics - Laws relating to contracts, partnerships, and agencies Laws relating to taxation and intellectual property

Unit 4: Intermediate Course - Group II: Cost and Management Accounting

(6hr)

Cost accounting principles and techniques - Budgeting and budgetary control - Standard costing and variance analysis - Cost management and decision-making - Performance measurement and control systems

Unit 5: Intermediate Course - Group II: Taxation

(6hr)

Direct taxation laws and regulations- Income tax provisions for individuals, partnerships, and companies - Indirect taxation laws and regulations (GST, customs, excise) - Goods and Services Tax (GST) - principles and compliance - Tax planning and management.



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VALUE ADDED COURSE (2020 -2021) AWARENESS ON CHARTERED ACCOUNTANT SUMMARY REPORT

The Chartered Accountant course is a comprehensive program designed to equip individuals with the knowledge and skills necessary for a successful career in accounting and finance. It covers key areas such as financial reporting, taxation, auditing, and business management, ensuring that students gain a deep understanding of accounting principles and practices. The course also emphasizes ethical standards and professional conduct, preparing graduates to navigate the complexities of the financial world. With a blend of theoretical knowledge and practical experience, the Chartered Accountant designation opens doors to various career opportunities, including roles in public accounting firms, corporate finance, and consultancy. This program is essential for anyone looking to achieve a high level of expertise and recognition in the accounting profession.

COURSE COORDINATOR

HOD



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Head & Assistant Professor,
Department of Business administration
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "GOODS AND SERVICE TAX" for I B.Com students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: GOODS AND SERVICE TAX

Name of the Co-ordinator:

R.DEVAKI (I B.COM)

Place: Perambai

Date: 2.06.2020

Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

04.06.2020

CIRCULAR

It is hereby informed that our Commerce Department is going to conduct the value added course on " GOODS AND SERVICE TAX " for I BCOM students. Hence the students of our Commerce Department have to enroll their name to the course coordinator on or before 07.06.2020

I BCOM - GOODS AND SERVICE TAX

A. M. Harish Na 2...

Principal

Copy to

1. Principal
2. Office
- 3..Department of Commerce



Jan
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
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RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

ABOUT THE INSTITUTION

RAAK Arts and Science a Co-Education College affiliated to Thiruvalluvar University, Vellore, and Govt. of TN launched in the year 2009. We started with 5 UG courses and 180 students which have now grown up offering 12 UG courses, 7 PG Courses and 2 Ph.D., Courses with and overall strength of around 1500 students. We strive to produce graduates in different streams building strong moral values, well-disciplined with quality education to make them a complete human to face the challenges of the world with courage and commitment and help them lead a successful life building a good society.

ABOUT THE DEPARTMENT

RAAK Arts and Science College offers B. Com. Programmes. The Department of Commerce's mission is to create the conditions for economic growth and opportunity for all communities. Through its 13 bureaus, the Department works to drive U.S. economic competitiveness, strengthen domestic industry, and spur the growth of quality jobs in all communities across the country. The Department serves as the voice of business in the Federal Government, and at the same time, the Department touches and serves every American every day.



technologies such as quantum computing and artificial intelligence (AI).

OBJECTIVE OF THE VALUE ADDED COURSE

- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills

ABOUT THE COURSE

The status of women in India is strongly connected to family relations. In India, the family is seen as crucially important, and in most of the country, the family unit is patrilineal. Families are usually multi-generational, with the bride moving to live with the in-laws..

- To familiarize students with the specific cultural contexts of women in India
- To Orient the students regarding Theories of Gender Relations, Position of Women in India Society
- To Imbibe knowledge about Economic Development, Women and Work Force Labour



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Recognized under section 2(f) of the UGC Act, 1956.

Course:
GOODS AND SERVICE TAX

Venue:
CLASS ROOM
Department of Commerce
RAAK Arts & Science College

Start: 10/06/2020 TO
18/07/2020

Organized by



Department of Commerce
RAAK Arts & Science College
Perambai,
Villianur

ALL ARE WELCOME

Jam
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RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
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SYLLABUS

GOODS AND SERVICE TAX

Unit 1: Introduction to Goods and Services Tax (GST) (6 hr)

Overview of indirect taxation before GST - Need for GST implementation - Objectives and features of GSTC comparison between GST and previous tax regimes - Historical context and global perspective of GST

Unit 2: GST Structure and Administration (6 hr)

GST Council and its role - Structure of GST (Central GST, State GST, Integrated GST) - GST registration process and threshold limits - Input Tax Credit (ITC) mechanism - GST compliance requirements and filing procedures.

Unit 3: GST Legal Framework (6 hr)

Constitutional provisions related to GST - Central Goods and Services Tax Act, 2017 - State Goods and Services Tax Acts - Integrated Goods and Services Tax Act, 2017 - Other related laws and regulations (e.g., GST Compensation Act).

Unit 4: GST Taxation System (6 hr)

Classification of goods and services under GST - Determination of place of supply for goods and services - Time of supply and valuation provisions - GST rates and exemptions - Anti-profiteering provisions and mechanism

Unit 5: GST Compliance and Audit (6 hr)

GST invoice requirements and invoice matching - E-way bill system and transportation of goods - GST audits and assessments - Appeals and dispute resolution mechanisms- Recent updates and amendments in GST laws




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VALUE ADDED COURSE (2020 -2021)

GOODS AND SERVICE TAX


SUMMARY REPORT

The Goods and Services Tax (GST) course was designed to equip participants with a thorough understanding of India's indirect tax system, which underwent a significant overhaul with the introduction of GST. The course covered fundamental concepts such as GST registration, invoicing, filing of returns, and compliance requirements. Participants gained insights into the various GST laws, procedures, and their implications for businesses across different sectors. Practical aspects were emphasized through case studies and interactive sessions, enabling participants to apply theoretical knowledge to real-world scenarios. The course also highlighted the importance of GST in simplifying the tax structure, promoting transparency, and fostering a unified national market. Overall, it provided a comprehensive framework for navigating the complexities of GST and its impact on businesses and the economy.


COURSE COORDINATOR


HOD




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RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs.V.ANBUKKARASI
Head & Assistant Professor,
Department of Commerce (CA)
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "BUSINESS JOURNALISM" for III B.COM (CA) students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: Business Journalism

Name of the Co-ordinator:

Dr.D.BARANITHARAN (III B.COM (CA))

Place: Perambai

Date: 28.10.2020



Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

29.10.2020

CIRCULAR

It is hereby informed that our Commerce (CA) is going to conduct the value added course on "BUSINESS JOURNALISM" for III B.COM (CA) students. Hence the students of Business Administration have to enroll their name to the course coordinator on or before 31.10.2020.

III B.COM (CA), - Business Journalism

A. M. Harish Na. R.

Principal

Copy to

1. Principal
2. Office
- 3...Department of Commerce (CA)



Jm.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK Arts and Science a Co-Education College affiliated to Thiruvalluvar University, Vellore, and Govt. of TN launched in the year 2009. We started with 5 UG courses and 180 students which have now grown up offering 12 UG courses, 7 PG Courses and 2 Ph.D., Courses with and overall strength of around 1500 students. We strive to produce graduates in different streams building strong moral values, well-disciplined with quality education to make them a complete human to face the challenges of the world with courage and commitment and help them lead a successful life building a good society.

ABOUT THE DEPARTMENT

RAAK Arts and Science College offers B. Com. (CA) Programmes and is manned by experienced and resourceful faculties, with a large number of publications including creative writings and translations. B.Com Computer Applications is a three-year full-time undergraduate program that deals with studying various aspects of computer science along with Commerce. It is a combination of Commerce and computer applications for commerce disciplines that require knowledge of computers. This course is designed to equip students with integrated knowledge of commerce and computer systems. In addition, this course offers ample job opportunities in the IT and Commerce industry. Upon completing

the course, students can work as Business Analyst, Business Consultant, Auditor, Computer Programmer, App Developer, etc.

OBJECTIVE OF THE VALUE ADDED COURSE

- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills

ABOUT THE COURSE

Business journalism is the part of journalism that tracks, records, analyzes and interprets the business, economic and financial activities and changes that take place in societies. Topics widely cover the entire purview of all commercial activities related to the economy. To provide an overview of the use of accounting in business

- To help students understand the intricacies of business journalism.
- To train students in the techniques of business reporting.



RAAK

ARTS AND SCIENCE COLLEGE

(ISO: 9001:2015 Certified Institution) (Recognized under 2(f) of UGC Act: 1956)
(Affiliated to Thiruvalluvar University)

Course:
BUSINESS JOURNALISM

Venue:
CLASS ROOM
Department of Commerce (CA)
RAAK Arts & Science College

Start: **02.11.2020 to 08.12.2020**

Organized by



Department of Commerce (CA)
RAAK Arts & Science College
Perambai, Villianur

ALL ARE WELCOME

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RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAI.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

SYLLABUS BUSINESS JOURNALISM

Unit 1

(5 hrs)

Basics of business and economic reporting

Different types of stories: Analytical, news, in-depth, interviews and data (with examples);
-Where and how to get stories (press conferences, meetings, analyst con-calls)-Building and maintaining sources-Connecting with the PR agencies and Corp Communications team-Why write mainly about public companies?

Unit 2

(7 hrs)

Numbers are your best friend - studying companies' financial statements

Understand the basic components of financial statements - Balance sheet (Assets & liabilities), Profit & loss statement (Income & expenditure)-Cash flows, Notes to accounts;

Unit 3

(6 hrs)

Covering specific sectors -- automobile, technology and telecommunication, finance and insurance, education, health, transportation and logistics, infrastructure and power.

Unit 4

(7 hrs)

Data Journalism and Economics Reporting

Covering the broad economy; Stories economic reporters write about (topics related to companies and jobs, government spending, budget and tax policies).

Unit 5

(6 hrs)

Preparing for press conferences and Style Book Guides

Covering strikes, corporate crisis, celebrity interviews, writing corporate profiles and covering product launches, product reviews-Recording Interviews;-What NOT to report;-Group writing assignment.

Reference:

- Bovee, C. L. (2009). *Business journalism: A guide to news and PR*. Pearson Prentice Hall.
- Blake, J. (Ed.). (2021). *The essential guide to business journalism*. Sage Publications.



HOD

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RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs.V.ANBUKKARASI
Head & Assistant Professor,
Department of Commerce (CA)
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "ONLINE TRADING" for II B.COM (CA) students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: Online Trading

Name of the Co-ordinator:

Mr.R.CHILAMBARASAN (II B.COM (CA)

Place: Perambai

Date: 28.10.2020

Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

29.10.2020

CIRCULAR

It is hereby informed that our Commerce (CA) is going to conduct the value added course on "ONLINE TRADING" for II B.COM (CA) students. Hence the students of Business Administration have to enroll their name to the course coordinator on or before 31.10.2020.

II B.COM (CA), - Online Trading

A. M. Harindharan

Principal

Copy to

1. Principal
2. Office
- 3...Department of Commerce (CA)

Jar.

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RAAK ARTS & SCIENCE COLLEGE
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PERAMBAL.



ABOUT THE INSTITUTION

RAAK Arts and Science a Co-Education College affiliated to Thiruvalluvar University, Vellore, and Govt. of TN launched in the year 2009. We started with 5 UG courses and 180 students which have now grown up offering 12 UG courses, 7 PG Courses and 2 Ph.D., Courses with and overall strength of around 1500 students. We strive to produce graduates in different streams building strong moral values, well-disciplined with quality education to make them a complete human to face the challenges of the world with courage and commitment and help them lead a successful life building a good society.

ABOUT THE DEPARTMENT

RAAK Arts and Science College offers B. Com. (CA) Programmes and is manned by experienced and resourceful faculties, with a large number of publications including creative writings and translations. B.Com Computer Applications is a three-year full-time undergraduate program that deals with studying various aspects of computer science along with Commerce. It is a combination of Commerce and computer applications for commerce disciplines that require knowledge of computers. This course is designed to equip students with integrated knowledge of commerce and computer systems. In addition, this course offers ample job opportunities in the IT and Commerce industry. Upon completing

the course, students can work as Business Analyst, Business Consultant, Auditor, Computer Programmer, App Developer, etc.

OBJECTIVE OF THE VALUE ADDED COURSE

- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills

ABOUT THE COURSE

Online Trading is a method that facilitates buying and selling of financial instruments such as mutual funds, equities, bonds, Sovereign gold bonds, derivatives, stocks, ETFs and commodities through an electronic interface. Online Trading has simplified a complex process into a few clicks.

- To familiarize the students to the concept of Online Trading.
- To understand the latest developments in online trading



RAAK
ARTS AND SCIENCE COLLEGE

(ISO 9001:2015 Certified Institution) (Recognized under 2(F) of UGC Act - 1956)
(Affiliated to Thiruvalluvar University)

Course:
ONLINE TRADING

Venue:
CLASS ROOM
Department of Commerce (CA)
RAAK Arts & Science College

Start: 02.11.2020 to 08.12.2020

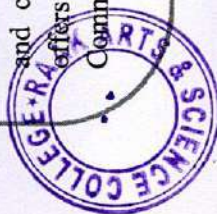
Organized by



Department of Commerce (CA)
RAAK Arts & Science College
Perambai, Villianur

ALL ARE WELCOME

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RAAK ARTS & SCIENCE COLLEGE
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RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

SYLLABUS ONLINE TRADING

Unit 1		(5 hrs)
	Primary Market	
	Initial Public Offer (IPO) – Introduction	
Unit 2		(7 hrs)
	Secondary Market	
	Role and Functions of Securities and Exchange Board of India (SEBI)- Stock Exchanges,-Stock Price Indices.	
Unit 3		(6 hrs)
	Trading	
	Logging on-Log Off/Exit from the Application-Invoking An Inquiry Screen-Market Watch-Previous Trades-Outstanding Orders-Activity Log-Order Status-Market Movement	
Unit 4		(7 hrs)
	Methodology	
	Fundamental Analysis-Technical Analysis	
Unit 5		(6 hrs)
	Strategies	
	Investment Strategies-Swing Trading Strategies- Day Trading Strategies	

COURSE COORDINATOR

HOD

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs.V.ANBUKKARASI
Head & Assistant Professor,
Department of Commerce (CA)
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "CYBER SECURITY" for I B.COM (CA) students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: Cyber Security

Name of the Co-ordinator:

Ms.PRIYA (I B.COM (CA)

Place: Perambai

Date: 28.10.2020

Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAI.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

29.10.2020

CIRCULAR

It is hereby informed that our Commerce (CA) is going to conduct the value added course on "CYBER SECURITY" for I B.COM (CA) students. Hence the students of Business Administration have to enroll their name to the course coordinator on or before 31.10.2020.

I B.COM (CA), - Cyber Security

A. M. Harish Na R.
Principal

Copy to

1. Principal
2. Office
- 3...Department of Commerce (CA)



Jan
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
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RAAK

ARTS AND SCIENCE COLLEGE

166/ 8001 - 2015 Certified Institution & Recognized under 20U of UGC Act - 1956
(Affiliated to Thiruvalluvar University)

offers ample job opportunities in the IT and Commin the course, students can work as Business Analyst, Busir Programmer, App Developer, etc.

OBJECTIVE OF THE VALUE ADDED COURSE

- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills

ABOUT THE COURSE

Cyber security is the practice of protecting systems, networks, and programs from digital attacks. These cyber-attacks are usually aimed at accessing, changing, or destroying sensitive information; extorting money from users via ransom ware; or interrupting normal business processes. To help students understand the intricacies of business journalism.

- To exhibit knowledge to secure corrupted systems, protect personal data, and secure computer networks in an organization

ABOUT THE INSTITUTION

RAAK Arts and Science a Co-Education College affiliated to Thiruvalluvar University, Vellore, and Govt. of TN launched in the year 2009. We started with 5 UG courses and 180 students which have now grown up offering 12 UG courses, 7 PG Courses and 2 Ph.D., Courses with and overall strength of around 1500 students. We strive to produce graduates in different streams building strong moral values, well-disciplined with quality education to make them a complete human to face the challenges of the world with courage and commitment and help them lead a successful life building a good society.

ABOUT THE DEPARTMENT

RAAK Arts and Science College offers B. Com. (CA). Programmes and is manned by experienced and resourceful faculties, with a large number of publications including creative writings and translations. B.Com Computer Applications is a three-year full-time undergraduate program that deals with studying various aspects of computer science along with Commerce. It is a combination of Commerce and computer applications for commerce disciplines that require knowledge of computers. This course is designed to equip students with integrated knowledge of commerce and computer systems. In addition, this course

Course:
CYBER SECURITY

Venue:
CLASS ROOM
Department of Commerce (CA)
RAAK Arts & Science College

Start: 02.11.2020 to 08.12.2020

Organized by



Department of Commerce (CA)
RAAK Arts & Science College
Perambai, Villianur

ALL ARE WELCOME

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RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

SYLLABUS CYBER SECURITY

Unit 1

(5 hrs)

Definition – Crime, Cyber Crime, Information Security, Digital Forensics – Conventional Crime Vs. Cyber Crime - Uniqueness of Cyber Crime – History of Cyber Crimes.

Unit 2

(7 hrs)

Forms of Cyber Crimes – Hacking – types of hacking, hackers, Cracking, Dos, DDos, Cyber Bullying, Cyber Stalking, Pornography, Phishing, Intellectual Property Theft, Data Theft, Dada diddling, malwares, stegnography, salami attacks, ATM and Credit card frauds, Telecom Frauds

Unit 3

(6 hrs)

Social Media – Definition, Types, advantages and disadvantages – Crimes through social media, victimization through social media – Do's and Don'ts in Social Media – Safe Surfing

Unit 4

(7 hrs)

Understanding cyber criminal behavior – modus operandi - Criminological , Sociological and Psychological theories relating to cyber crime behavior.

Unit 5

(6 hrs)

Information Security - Fraud Triangle – Components of Information Security – Desktop Security – Email Security – Web Security – Threats to information security and counter measures

References

- Gupta, A., & Rao, M. (2022). Cybersecurity for everyone: Protecting yourself online. Tata McGraw-Hill Education.
- Singh, R. (2023). Securing the digital frontier: A guide to cybersecurity. Wiley India.

COURSE COORDINATOR

HOD

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs.SANGEETHA A

Head & Assistant Professor,

Department of Commerce (CS),

Raak Arts and Science College,

Perambai – 605110

TO

The Principal,

Raak Arts and Science College,

Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg

This is bringing to your notice that we have planned to conduct a Value Added Course on "Mutual Fund Operation" for I & III B.Com (CS) students. This course is very useful for students to develop their knowledge about their future study and during the pandemic period. So please give permission for the above said program.

Thanking you

Course Name: Mutual Fund Operation

Name of the Coordinator:

Ms.G.Shenbagadevi

Assistant Professor (B.Com (CS))

Place: Perambai

Date: 21.12.2020

Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

23.12.2020

CIRCULAR

It is hereby informed that our B.Com (CS) is going to conduct the value added course on "Mutual Fund Operation" for I & III B.com (CS) students. Hence the students of B.Com (CS) have to enroll their name to the course coordinator on or before 30.12.2020.

I & III B.Com (CS), - Mutual Fund Operation

D. M. Harish Na 2.
Principal

Copy to

1. Principal
2. Office
- 3..Department of Commerce (CS)



Jan.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc.

About the Department

The Department of corporate secretary ship was established in 2017. The B.com CS course is offered so as to reflect progress in fields of business marketing, income tax, company law and entrepreneurial development and other technological trends as an increasing demand of the job markets. The department is working to enrich and strengthen the young talents by producing competent students to excel in corporate and entrepreneurial skills. Our students are provided opportunity to do online, short term and value added courses. The course will make the students competent taking up wide range of responsible position in the secretarial, Legal, finance, accounts, Personnel, administrative & security market analyst

AGENDA

Day 1 to 10

Introduction to Mutual Funds

Overview of Mutual Funds - Types of Mutual Funds in India - Regulatory Framework for Mutual Funds in India - Role of Asset Management Companies (AMCs) and Custodians

Mutual Fund Investment Process

Fund Selection and Research - Investment Strategies: Active vs. Passive Management - Portfolio Construction and Asset Allocation - Performance Evaluation and Benchmarking

Day 11 to 20

Regulatory and Legal Framework

Securities and Exchange Board of India (SEBI) Regulations - Compliance and Reporting Requirements - Investor Protection Measures - Ethical Considerations in Mutual Fund Operations

Operational Aspects of Mutual Funds

Fund Accounting and Valuation - Distribution Channels: Direct vs. Indirect - Investor Services and Customer Support - Technology and Automation in Mutual Fund Operations

Day 21 to 30

Future Trends and Developments

Emerging Trends in Mutual Funds Industry - Impact of Technology on Mutual Fund Operations - Global Perspectives on Mutual Funds - Challenges and Opportunities for Mutual Fund Industry in India

Assessment Test will be conducted for 30 minutes with multiple choice question. No negative marks.



RAAK ARTS AND SCIENCE COLLEGE
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(Affiliated to Thiruvalluvar University | ISO
9001: 2015 Certified Institution)
Perambai - 605110, Villupuram dt, Tamilnadu
(A Unit of Farouk Educational Trust)

DEPARTMENT OF
COMMERCE (CS)

VALUE ADDED COURSE

MUTUAL FUND

OPERATION

FROM 04/01/2021

TO 22/02/2021

ALL ARE WELCOME



Jm.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



SYLLABUS

MUTUAL FUND OPERATION

Unit 1: Introduction to Mutual Funds (6 hours)

Overview of Mutual Funds - Types of Mutual Funds in India - Regulatory Framework for Mutual Funds in India - Role of Asset Management Companies (AMCs) and Custodians

Unit 2: Mutual Fund Investment Process (6 hours)

Fund Selection and Research - Investment Strategies: Active vs. Passive Management - Portfolio Construction and Asset Allocation - Performance Evaluation and Benchmarking

Unit 3: Regulatory and Legal Framework (6 hours)

Securities and Exchange Board of India (SEBI) Regulations - Compliance and Reporting Requirements - Investor Protection Measures - Ethical Considerations in Mutual Fund Operations

Unit 4: Operational Aspects of Mutual Funds (6 hours)

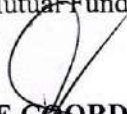
Fund Accounting and Valuation - Distribution Channels: Direct vs. Indirect - Investor Services and Customer Support - Technology and Automation in Mutual Fund Operations

Unit 5: Future Trends and Developments (6 hours)

Emerging Trends in Mutual Funds Industry - Impact of Technology on Mutual Fund Operations - Global Perspectives on Mutual Funds - Challenges and Opportunities for Mutual Fund Industry in India

Reference Books

1. Indian Mutual Funds Handbook: A Guide for Industry Professionals and Intelligent Investors by Sundar Sankaran
2. Mutual Funds: The Money Multiplier by Sanjay Matai
3. Mutual Funds: A Comprehensive Guide to Investment in Mutual Funds by Jitendra Gala
4. "Investing in Equity Mutual Funds: Your Step-by-Step Guide to Investing in Equity Mutual Funds" by Ankit Gala and Jitendra Gala


COURSE COORDINATOR


HOD




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs.SANGEETHA A
Head & Assistant Professor,
Department of Commerce (CS),
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your notice that we have planned to conduct a Value Added Course on "Bio-Entrepreneurship" for II B.Com (CS) students. This course is very useful for students to develop their knowledge about their future study and during pandemic situations. So please give permission for the above said program.

Thanking you

Course Name: Bio - Entrepreneurship

Name of the Coordinator:

Ms.G.Shenbagadevi

Assistant Professor (B.Com (CS))

Place: Perambai

Date: 21.12.2020

Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

23.12.2020

CIRCULAR

It is hereby informed that our B.Com (CS) is going to conduct the value added course on "Bio - Entrepreneurship" for II B.com (CS) students. Hence the students of B.Com (CS) have to enroll their name to the course coordinator on or before 30.12.2020.

I & III B.Com (CS), - Bio - Entrepreneurship

A. M. Harish Na 2.
Principal

Copy to

1. Principal
2. Office
- 3..Department of Commerce (CS)



Jan.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL



RAAK ARTS AND SCIENCE COLLEGE

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Recognized under section 2(f) of the UGC Act, 1956.

About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc.

About the Department

The Department of corporate secretary ship was established in 2017. The B.com CS course is offered so as to reflect progress in fields of business marketing, income tax, company law and entrepreneurial development and other technological trends as an increasing demand of the job markets. The department is working to enrich and strengthen the young talents by producing competent students to excel in corporate and entrepreneurial skills. Our students are provided opportunity to do online, short term and value added courses. The course will make the students competent taking up wide range of responsible position in the secretarial, Legal, finance, accounts, Personnel, administrative & security market analyst

AGENDA

Day 1 to 10

Introduction to Bio-Entrepreneurship

Overview and Scope - Ecosystem and Key Players - Case Studies: Successes and Failures - Trends and Future Directions

Building a Bio-Based Business

Opportunity Identification and Market Research - Business Models in Biotech - Intellectual Property and Legal Considerations - Funding Sources and Financial Planning

Day 11 to 20

Product Development and Management

R&D and Collaboration - Product Development Lifecycle - Regulatory Affairs - Quality Assurance and Control

Marketing and Sales in Biotechnology
Market Analysis and Segmentation - Branding and Positioning - Sales Strategies and Partnerships -

Day 21 to 30

Managing and Scaling Bio-Based Ventures

Leadership and Team Building - Operational Management - Risk Management - Scaling and Exit Strategies

Assessment Test will be conducted for 30 minutes with multiple choice questions. No negative marks.



RAAK ARTS AND SCIENCE COLLEGE
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(Affiliated to Thiruvalluvar University | ISO
9001: 2015 Certified Institution)
Perambai - 605110, Villupuram dt, Tamilnadu
(A Unit of Farouk Educational Trust)

DEPARTMENT OF
COMMERCE (CS)

BIO - ENTREPRENEURSHIP

FROM 04/01/2021
TO 22/02/2021

ALL ARE WELCOME




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
WILLIANUR POST-605 110
PERAMBAL



RAAK ARTS AND SCIENCE COLLEGE

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SYLLABUS

BIO - ENTREPRENEURSHIP

Unit 1: Introduction to Bio-Entrepreneurship (6 hours)

Overview and Scope - Ecosystem and Key Players - Case Studies: Successes and Failures - Trends and Future Directions

Unit 2: Building a Bio-Based Business (6 hours)

Opportunity Identification and Market Research - Business Models in Biotech - Intellectual Property and Legal Considerations - Funding Sources and Financial Planning

Unit 3: Product Development and Management (6 hours)

R&D and Collaboration - Product Development Lifecycle - Regulatory Affairs - Quality Assurance and Control

Unit 4: Marketing and Sales in Biotechnology (6 hours)

Market Analysis and Segmentation - Branding and Positioning - Sales Strategies and Partnerships - Digital Marketing

Unit 5: Managing and Scaling Bio-Based Ventures (6 hours)

Leadership and Team Building - Operational Management - Risk Management - Scaling and Exit Strategies

Reference Books

1. Biotechnology Entrepreneurship: Starting, Managing, and Leading Biotech Companies by Craig D. Shimasaki
2. The Business of Bioscience: What goes into making a Biotechnology Product by Craig D. Shimasaki

COURSE COORDINATOR

HOD



PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs. E.RAJALAKSHMI
Head & Assistant Professor,
Department of Computer Application.
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on “HANDS ON TRAINING AN ANDROID APP DEVELOPMENT “for I & III BCA students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: “HANDS ON TRAINING AN ANDROID APP DEVELOPMENT

Name of the Co-ordinator:

Mrs. E.RAJALAKSHMI

Place: Perambai

Date: 25/1/2021



E.Rajalakshmi
Yours Faithfully
E.Rajalakshmi
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

25/01/2021

CIRCULAR

It is hereby informed that our Computer Application department is going to conduct the value added course on "HANDS ON TRAINING AN ANDROID APP DEVELOPMENT" for I & III BCA students. Hence the students of Computer science have to enroll their name to the course coordinator on or before 31/1/21

I & III BCA- "HANDS ON TRAINING AN ANDROID APP DEVELOPMENT"

Q. H. N. No. 2.
Principal

Copy to

1. Principal
2. Office
3. BCA



Jar.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL



RAAK ARTS AND SCIENCE COLLEGE

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About the College

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About the Department

Computer science is a dynamic and rapidly growing area that has become an integral part of the world today. It is an interdisciplinary application and utility of computer programming that has transformed every aspect of human life including biology, businesses, cyber security, economics, engineering, information assurance, languages and linguistics, mathematics, physics, public policy, etc. Today, programming and digitalization are used to address a wider range of complex issues. Technology has made the world better, faster, and more connected. But this didn't happen by magic. It has been achieved to the brilliant minds of IT graduates, who took their passion for technology and used it to create gadgets and computer programs that help the society every single day.

AGENDA

Day 1 to 10

Overview of Android and its ecosystem
History and versions of Android -
Understanding the Android market and its opportunities - Setting up the development environment- Installing Android Studio-Configuring the Android SDK-Introduction to Android Studio IDE
Understanding the basics
Android project structure-Introduction to Gradle build system

Day 11 to 20

Android Fundamentals

Activities and Lifecycle
Creating and managing activities
Activity lifecycle methods
User Interface Design
Understanding layouts: Linear Layout, Relative Layout, Constraint Layout
Working with views: Text View, Edit Text, Button, Image View Using Recycler View and List View for displaying lists

Day 21 to 30

Animations and Transitions

- Property animations
- View animations
- Transition framework



RAAK ARTS AND SCIENCE COLLEGE

DEPARTMENT OF COMPUTER APPLICATION

VALUE ADDED COURSE

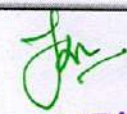
HANDS ON TRAINING AN ANDROID APP DEVELOPMENT

FROM 01/02/2021

TO 31/03/2021

ALL ARE WELCOME




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



SYLLABUS

Course Title: HANDS ON TRAINING AN ANDROID APP DEVELOPMENT

UNIT 1: Introduction to Android Development

Overview of Android and its ecosystem

- History and versions of Android
- Understanding the Android market and its opportunities

Setting up the development environment

- Installing Android Studio
- Configuring the Android SDK
- Introduction to Android Studio IDE

Understanding the basics

- Android project structure
- Introduction to Gradle build system

UNIT 3: Android Fundamentals

Activities and Lifecycle

- Creating and managing activities
- Activity lifecycle methods

UNIT 4: User Interface Design

- Understanding layouts: LinearLayout, RelativeLayout, ConstraintLayout
- Working with views: TextView, EditText, Button, ImageView
- Using RecyclerView and ListView for displaying lists

UNIT 5: Animations and Transitions

- Property animations
- View animations
- Transition framework




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PERAMBAL



RAAK ARTS AND SCIENCE COLLEGE

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Recognized under section 2(f) of the UGC Act, 1956.

DEPARTMENT OF COMPUTER APPLICATION


VALUE ADDED COURSE(2020 -2021)

HANDS ON TRAINING AN ANDROID APP DEVELOPMENT

SUMMARY REPORT

Technology has become a part our daily life along with growing civilization. In which our education system brings technological changes very fast. These developments in the field of Computer Science And Technology will be very useful for Students. In particular, we can easily find various information's easily by learning this course. Through which we can enrich our ideas and thoughts in depth.


CO-ORDINATOR


HOD




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs. E.RAJALAKSHMI
Head & Assistant Professor,
Department of computer science & Applications
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "PRACTICAL COURSE ON DATA SCIENCE" for II BCA students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: Practical course on Data Science

Name of the Co-ordinator:

Mrs. R.SAKTHIDEVI

Place: Perambai

Date: 21/10/2020



Yours Faithfully

E. Rajalakshmi
Jam

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

21/10/2020

CIRCULAR

It is hereby informed that our Computer Application department is going to conduct the value added course on "PRACTICAL COURSE ON DATA SCIENCE" for II BCA students. Hence the students of Computer science have to enroll their name to the course coordinator on or before 28/10/2020

II BCA- "PRACTICAL COURSE ON DATA SCIENCE"

A. M. Harish Na 2.

Principal

Copy to

1. Principal
2. Office
3. BCA



Jm.
PRINCIPAL
ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

About the College

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About the Department

Computer science is a dynamic and rapidly growing area that has become an integral part of the world today. It is an interdisciplinary application and utility of computer programming that has transformed every aspect of human life including biology, businesses, cyber security, economics, engineering, information assurance, languages and linguistics, mathematics, physics, public policy, etc. Today, programming and digitalization are used to address a wider range of complex issues. Technology has made the world better, faster, and more connected. But this didn't happen by magic. It has been achieved to the brilliant minds of IT graduates, who took their passion for technology and used it to create gadgets and computer programs that help the society every single day.

AGENDA

Day 1 to 10

INTRODUCTION TO DATA SCIENCE

Overview of Data Science-Data Science vs. Data Analytics vs. Machine Learning-The Data Science Process-Tools and Technologies in Data Science

Introduction to Pandas-Data Frames and Series-Importing and Exporting Data-Data Cleaning and Preparation-Handling Missing Data

Day 11 to 20

Importance of Data

Visualization-Matplotlib Basics-Seaborn for Statistical Plots-Advanced Visualization with Plotly Importance of EDA-Descriptive Statistics-Data Distributions-Correlation and Covariance

Day 21 to 30

Probability Theory-Hypothesis Testing-ANOVA and Chi-Square Tests-Regression Analysis



RAAK ARTS AND SCIENCE COLLEGE

DEPARTMENT OF COMPUTER APPLICATION

VALUE ADDED COURSE

PRACTICAL COURSE ON DATA SCIENCE

FROM 02/11/2020
TO 11/12/2020

ALL ARE WELCOME



Jar.

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore
Recognized under section 2(f) of the UGC Act, 1956

SYLLABUS

Course Title: PRACTICAL COURSE ON DATA SCIENCE

UNIT 1: INTRODUCTION TO DATA SCIENCE

Overview of Data Science-Data Science vs. Data Analytics vs. Machine Learning-The Data Science Process-Tools and Technologies in Data Science

UNIT 2: DATA MANIPULATION WITH PANDAS

Introduction to Pandas-DataFrames and Series-Importing and Exporting Data-Data Cleaning and Preparation-Handling Missing Data

UNIT 3: DATA VISUALIZATION

Importance of Data Visualization-Matplotlib Basics-Seaborn for Statistical Plots-Advanced Visualization with Plotly

UNIT 4: EXPLORATORY DATA ANALYSIS (EDA)

Importance of EDA-Descriptive Statistics-Data Distributions-Correlation and Covariance

UNIT 5 : STATISTICAL ANALYSIS

Probability Theory-Hypothesis Testing-ANOVA and Chi-Square Tests-Regression Analysis



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RAAK ARTS AND SCIENCE COLLEGE

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Recognized under section 2(f) of the UGC Act, 1956.

DEPARTMENT OF COMPUTER APPLICATION

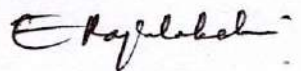
VALUE ADDED COURSE(2020 -2021)

PRACTICAL COURSE ON DATA SCIENCE

SUMMARY REPORT

Technology has become a part our daily life along with growing civilization. In which our education system brings technological changes very fast. These developments in the field of Computer Science And Technology will be very useful for Students. In particular, we can easily find various information's easily by learning this course. Through which we can enrich our ideas and thoughts in depth.


CQ-ORDINATOR


HOD




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs. D.RAJALAKSHMI,
Head & Assistant Professor,
Department of computer science ,
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on “WIFI TECNOLOGY “for III B.SC CS students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: “WIFI TECNOLOGY”

Name of the Co-ordinator:

Mrs. D.RAJALAKSHMI

Place: Perambai

Date: 25/10/2020

Yours Faithfully,

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

25/10/2020

CIRCULAR

It is hereby informed that our Computer Science department is going to conduct the value added course on “WIFI TECNOLOGY” for III B.SC CS students. Hence the students of Computer science have to enroll their name to the course coordinator on or before 31.10.2020.

II B.SC CS -“WIFI TECNOLOGY”

D. M. Howard No 2.

Principal

Copy to

1. Principal
2. Office
3. B.SC CS



Jan.
— PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

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Recognized under section 2(f) of the UGC Act, 1956.

About the College

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About the Department

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AGENDA

Day 1 to 10

Day 1 to 10

Introduction to Wireless Networking

Overview of wireless communication - Evolution of wireless technologies - Basics of radio frequency (RF) communication - Introduction to WiFi technology - IEEE 802.11 family of standards - Differences between 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, 802.11ax - WiFi Alliance certifications (e.g., Wi-Fi CERTIFIED 6™) - WiFi operating modes (Infrastructure mode, Ad-hoc mode) - MAC layer operation in WiFi

Day 11 to 20

WiFi Architecture Components of a WiFi network (Access Points, Clients, Routers, Switches) - WiFi deployment scenarios (Home, Enterprise, Public Hotspots) - Wireless distribution system (WDS) - Basic network planning and design considerations

WiFi Security

Threats to wireless networks - WEP, WPA, and WPA2 encryption - WPA3 security enhancements - WiFi Protected Setup (WPS) - Best practices for securing WiFi networks

Day 21 to 30

WiFi Performance Optimization Factors affecting WiFi performance (Interference, Signal Strength, Bandwidth) - Site survey techniques - Channel planning and optimization - Quality of Service (QoS) in WiFi networks



RAAK ARTS AND SCIENCE COLLEGE

DEPARTMENT OF COMPUTER SCIENCE

VALUE ADDED COURSE

WIFI TECHNOLOGY

FROM 2/11/2020

TO 31/12/2020

ALL ARE WELCOME



Jam.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
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RAAK ARTS AND SCIENCE COLLEGE

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Recognized under section 2(f) of the UGC Act, 1956.

SYLLABUS

Course Title: WIFI TECNOLOGY Syllabus

Course Overview

The **WIFI TECNOLOGY** is designed to provide hands-on experience with various software tools and applications commonly used in the industry. Students will learn practical skills related to software development, testing, and deployment.

Course Duration

Duration: 30 hrs

Unit 1: Introduction to Wireless Networking

Hrs: 6

Overview of wireless communication - Evolution of wireless technologies - Basics of radio frequency (RF) communication - Introduction to WiFi technology

Unit 2: WiFi Standards and Protocols

Hrs: 6

IEEE 802.11 family of standards - Differences between 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac, 802.11ax - WiFi Alliance certifications (e.g., Wi-Fi CERTIFIED 6™) - WiFi operating modes (Infrastructure mode, Ad-hoc mode) - MAC layer operation in WiFi

Unit 3: WiFi Architecture

Hrs: 6

Components of a WiFi network (Access Points, Clients, Routers, Switches) - WiFi deployment scenarios (Home, Enterprise, Public Hotspots) - Wireless distribution system (WDS) - Basic network planning and design considerations

Unit 4: WiFi Security

Hrs: 6

Threats to wireless networks - WEP, WPA, and WPA2 encryption - WPA3 security enhancements - WiFi Protected Setup (WPS) - Best practices for securing WiFi networks

Unit 5: WiFi Performance Optimization

Hrs: 6

Factors affecting WiFi performance (Interference, Signal Strength, Bandwidth) - Site survey techniques - Channel planning and optimization - Quality of Service (QoS) in WiFi networks

Recommended Resources

- Textbooks: Refer to standard textbooks on software engineering, programming languages, and database management.
- Online tutorials: Explore platforms like Coursera, edX, and YouTube for additional learning materials.




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

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DEPARTMENT OF COMPUTER SCIENCE

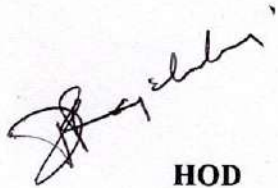
VALUE ADDED COURSE(2020 -2021)

WIFI TECNOLOGY

SUMMARY REPORT

Technology has become a part our daily life along with growing civilization. In which our education system brings technological changes very fast. These developments in the field of Computer Science And Technology will be very useful for Students. In particular, we can easily find various information's easily by learning this course. Through which we can enrich our ideas and thoughts in depth.


CO-ORDINATOR


HOD




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mrs. D.RAJALAKEHMI
Head & Assistant Professor,
Department of computer science
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "POWER BI" for II B.SC CS students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: "POWER BI"

Name of the Co-ordinator:

Mrs. D.RAJALAKSHMI

Place: Perambai

Date: 24.01.2021



Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

25.01.2021

CIRCULAR

It is hereby informed that our Computer Science department is going to conduct the value added course on “**POWER BI**” for II B.SC CS students. Hence the students of Computer science have to enroll their name to the course coordinator on or before 31.01.2021.

II B.SC CS -“ **POWER BI**”

A. M. Harindharan No 2.
Principal

Copy to

1. Principal
2. Office
3. B.SC CS



Jan
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc.

About the Department

Computer science is a dynamic and rapidly growing area that has become an integral part of the world today. It is an interdisciplinary application and utility of computer programming that has transformed every aspect of human life including biology, businesses, cyber security, economics, engineering, information assurance, languages and linguistics, mathematics, physics, public policy, etc. Today, programming and digitalization are used to address a wider range of complex issues. Technology has made the world better, faster, and more connected. But this didn't happen by magic. It has been achieved to the brilliant minds of IT graduates, who took their passion for technology and used it to create gadgets and computer programs that help the society every single day.

AGENDA

Day 1 to 10

Day 1 to 10

Introduction to Power BI

Overview of Business Intelligence (BI) and its importance- Introduction to Power BI and its features - Understanding Power BI Desktop, Power BI Service, and Power BI Mobile - Installation and setup of Power BI Desktop - Introduction to Power BI components: Power Query, Power Pivot, Power View, and Power Map

Day 11 to 20

Data Modeling and Relationships

Introduction to data modeling concepts - Creating relationships between tables - Understanding primary keys and foreign keys - Introduction to DAX (Data Analysis Expressions) - Creating calculated columns and measures using DAX - Introduction to calculated tables and row-level security

Day 21 to 30

Advanced Analytics with Power BI

Introduction to advanced analytics features in Power BI - Using AI visuals and Insights in Power BI Time intelligence functions in DAX - Introduction to forecasting and trend analysis - Incorporating R and Python scripts in Power BI Implementing advanced analytics scenarios (predictive modeling, clustering, etc.)



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DEPARTMENT OF COMPUTER
SCIENCE

VALUE ADDED COURSE

POWER BI

FROM 01/02/2021

TO 31/03/2021

ALL ARE WELCOME



PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
MILLIANUR POST-605 110
PERAMBAL.



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SYLLABUS

Course Title: POWER BI Syllabus

Course Overview

The **POWER BI** is designed to provide hands-on experience with various software tools and applications commonly used in the industry. Students will learn practical skills related to software development, testing, and deployment.

Course Duration

Duration: 30 hrs

UNIT 1: Introduction to Power BI

HRS: 6

Overview of Business Intelligence (BI) and its importance- Introduction to Power BI and its features - Understanding Power BI Desktop, Power BI Service, and Power BI Mobile - Installation and setup of Power BI Desktop - Introduction to Power BI components: Power Query, Power Pivot, Power View, and Power Map

UNIT 2: Data Acquisition and Transformation

HRS: 6

Data sources supported by Power BI - Connecting to different data sources (Excel, CSV, databases, web, etc.) - Data loading and transformation using Power Query Editor- Understanding data types and data shaping techniques -Merging and appending data from different sources- Data cleansing, filtering, and shaping operations

UNIT 3: Data Modeling and Relationship

HRS: 6

Introduction to data modeling concepts - Creating relationships between tables - Understanding primary keys and foreign keys - Introduction to DAX (Data Analysis Expressions) - Creating calculated columns and measures using DAX - Introduction to calculated tables and row-level security

UNIT 4: Data Visualization

HRS: 6

Principles of effective data visualization - Creating basic visualizations (bar charts, line charts, pie charts, etc.) - Enhancing visualizations with formatting options - Working with slicers, filters, and hierarchies - Advanced visualization techniques (treemaps, scatter plots, maps, etc.) - Creating interactive reports and dashboards



Jan.
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UNIT 5: Advanced Analytics with Power BI

HRS: 6

Introduction to advanced analytics features in Power BI - Using AI visuals and Insights in Power BI Time intelligence functions in DAX - Introduction to forecasting and trend analysis - Incorporating R and Python scripts in Power BI Implementing advanced analytics scenarios (predictive modeling, clustering, etc.)

Recommended Resources

- Textbooks: Refer to standard textbooks on software engineering, programming languages, and database management.
- Online tutorials: Explore platforms like Coursera, edX, and YouTube for additional learning materials.



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DEPARTMENT OF COMPUTER SCIENCE

VALUE ADDED COURSE(2020 -2021)

POWER BI

SUMMARY REPORT

Technology has become a part our daily life along with growing civilization. In which our education system brings technological changes very fast. These developments in the field of Computer Science And Technology will be very useful for Students. In particular, we can easily find various information's easily by learning this course. Through which we can enrich our ideas and thoughts in depth.

CO-ORDINATOR

HOD



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PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mr. MOHANRAJ
Head & Assistant Professor,
Department of computer science & Applications
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "INTERNET OF THINGS" for I B.SC CS students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: "INTERNET OF THINGS"

Name of the Co-ordinator:

Place: Perambai

Date: 25.08.2020



Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

25.08.2020

CIRCULAR

It is hereby informed that our Computer science department is going to conduct the value added course on "INTERNET OF THINGS" for I BSC CS students. Hence the students of Computer science have to enroll their name to the course coordinator on or before 29 .08.2020

I BSC CS- "INTERNET OF THINGS"

A. M. Harand No 2.
Principal

Copy to

1. Principal
2. Office
3. BSC CS



Jar.
PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc.

About the Department

Computer science is a dynamic and rapidly growing area that has become an integral part of the world today. It is an interdisciplinary application and utility of computer programming that has transformed every aspect of human life including biology, businesses, cyber security, economics, engineering, information assurance, languages and linguistics, mathematics, physics, public policy, etc. Today, programming and digitalization are used to address a wider range of complex issues. Technology has made the world better, faster, and more connected. But this didn't happen by magic. It has been achieved to the brilliant minds of IT graduates, who took their passion for technology and used it to create gadgets and computer programs that help the society

AGENDA

Day 1 to 10

Definition and evolution of IoT. Key characteristics and components of IoT systems - Overview of IoT architecture

Types of sensors and actuators - Sensor data acquisition and processing - Actuator control mechanisms

Day 11 to 20

Wired and wireless communication protocols - IoT networking technologies (Wi-Fi, Bluetooth, Zigbee, etc.) - IoT data communication standards (MQTT, CoAP, HTTP, etc.) - Security challenges in IoT system - Authentication and authorization mechanisms - Privacy concerns and data protection in IoT

Day 21 to 30

Cloud computing for IoT - Edge computing and fog computing - IoT platform selection criteria

Smart homes and home automation - Industrial IoT (IIoT) applications - Healthcare IoT solutions



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Perambai - 605110, Villupuram dt. Tamilnadu
(A Unit of Farook Educational Trust)

**DEPARTMENT OF COMPUTER
SCIENCE**

VALUE ADDED COURSE

INTERNET OF THINGS

FROM 4/09/2021

TO 31/10/2021

ALL ARE WELCOME



Jam
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RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAI.



RAAK ARTS AND SCIENCE COLLEGE

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SYLLABUS

Course Title: INTERNET OF THINGS

Course Overview

The **Internet of Things** is designed to provide hands-on experience with various software tools and applications commonly used in the industry. Students will learn practical skill related to software development, testing, and deployment.

Course Duration

Duration: 30 hrs

UNIT 1: Introduction to IoT

HRS: 6

Definition and evolution of IoT- Key characteristics and components of IoT systems -Overview of IoT architecture

UNIT 2: Sensors and Actuators

HRS: 6

Types of sensors and actuators - Sensor data acquisition and processing- Actuator control mechanisms

UNIT 3: Communication Protocols IoT Security and Privacy

HRS: 6

Wired and wireless communication protocols - IoT networking technologies (Wi-Fi, Bluetooth, Zigbee, etc.) - IoT data communication standards (MQTT, CoAP, HTTP, etc.) - Security challenges in IoT system - Authentication and authorization mechanisms - Privacy concerns and data protection in IoT

UNIT 4: IoT Platforms and Infrastructure

HRS: 6

Cloud computing for IoT - Edge computing and fog computing - IoT platform selection criteria

UNIT 5: IoT Applications

HRS: 6

Smart homes and home automation - Industrial IoT (IIoT) applications - Healthcare IoT solutions - Smart cities and environmental monitoring.

Recommended Resources

- Textbooks: Refer to standard textbooks on software engineering, programming languages, and database management.
- Online tutorials: Explore platforms like Coursera, edX, and YouTube for additional learning materials.




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DEPARTMENT OF COMPUTER SCIENCE

VALUE ADDED COURSE(2020 - 2021)

INTERNET OF THINGS

SUMMARY REPORT

Technology has become a part our daily life along with growing civilization. In which our education system brings technological changes very fast. These developments in the field of Computer Science And Technology will be very useful for Students. In particular, we can easily find various information's easily by learning this course. Through which we can enrich our ideas and thoughts in depth.

CO-ORDINATOR

HOD



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Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM

Mr. A. Saravanan,
Head & Assistant Professor,
Department of Mathematics,
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on “**Mathematical Economics**” for I B.Sc., II B.Sc., and III B.Sc., Mathematics students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: “Mathematical Economics”

Name of the Co-ordinator:

Mr. K. PARTHIBAN

Place: Perambai

Date : 27.08.2020

Yours Faithfully



Jan.
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Recognized under section 2(f) of the UGC Act, 1956.

29.08.2020

CIRCULAR

It is hereby informed that our Mathematics department is going to conduct the value added course on "Mathematical Economics" for I B.Sc., II B.Sc., and III B.Sc., Mathematics students. Hence the students of Mathematics have to enroll their name to the course coordinator on or before 31.08.2020.

1. I B.Sc., Mathematics - **Mathematical Economics**
2. II B.Sc., Mathematics - **Mathematical Economics**
3. III B.Sc., Mathematics - **Mathematical Economics**

A. M. Howard No 2.

Principal

Copy to

1. Principal
2. Office
3. Mathematics Department



Jan
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RAAK ARTS AND SCIENCE COLLEGE

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Recognized under section 2(f) of the UGC Act, 1956.

About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc.

About the Department

The Mathematics Department is a dynamic and rapidly growing field that has become an integral part of modern society. Mathematics is an interdisciplinary application that has transformed every aspect of human life, from the natural sciences to the social sciences, and has had a profound impact on fields such as biology, computer science, economics, engineering, and physics. Technology has made the world faster, more connected, and more efficient. But this didn't happen by magic. It has been achieved through the brilliant minds of mathematicians who have developed algorithms, models, and statistical methods that power the computer programs and gadgets that we use every day, which are essential for success in today's rapidly changing world.

every single day.

AGENDA

Day 1 to 10

Overview of mathematical economics- Calculus review- Introduction to linear algebra- Consumer Theory: Consumer preferences and indifference curves- Budget constraint and budget line- Utility maximization and demand functions- Comparative statics and duality. Production possibilities and isoquants- Cost minimization and supply functions- Comparative statics and duality- Introduction to production function

Day 11 to 20

Walras' Law and general equilibrium- Existence and uniqueness of general equilibrium- Comparative statics and duality- Applications of general equilibrium. Introduction to game theory- Nash equilibrium and strategic form- Pareto optimality and Nash equilibrium- Applications of game theory

Day 21 to 30

Introduction to differential equations- Introduction to dynamic programming- Applications of dynamic programming in economics



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DEPARTMENT OF MATHEMATICS

VALUE ADDED COURSE

MATHEMATICAL ECONOMICS

FROM 2/09/2020

TO 31/10/2020

ALL ARE WELCOME



SYLLABUS

Jan
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WILLIANUR POST-605 110
PERAMBAL.



Course Title: Mathematical Economics

Course Description: This course provides an introduction to the mathematical methods used in economics, including calculus, linear algebra, and optimization techniques. Students will learn how to apply mathematical models to economic problems, including consumer theory, production theory, and general equilibrium.

Course Duration: 30 Hours

UNIT: 1 Introduction to Mathematical Economics (6 Hours)

Overview of mathematical economics-Calculus review- Introduction to linear algebra- Consumer Theory: Consumer preferences and indifference curves- Budget constraint and budget line- Utility maximization and demand functions-Comparative statics and duality

UNIT: 2 Production Theory (6 Hours)

Production possibilities and isoquants-Cost minimization and supply functions-Comparative statics and duality-Introduction to production function

UNIT: 3 General Equilibrium (6 Hours)

Walras' Law and general equilibrium-Existence and uniqueness of general equilibrium- Comparative statics and duality-Applications of general equilibrium

UNIT: 4 Game Theory (6 Hours)

Introduction to game theory-Nash equilibrium and strategic form-Pareto optimality and Nash equilibrium-Applications of game theory

UNIT: 5 Advanced Topics in Mathematical Economics (6 Hours)

Introduction to differential equations- Introduction to dynamic programming-Applications of dynamic programming in economics

REFERENCES

1. "Mathematical Economics" by William J. Baumol and Alan S. Blinder
2. "Microeconomic Theory" by Hal R. Varian
3. Online resources such as Khan Academy may be used to supplement the course material.



VALUE ADDED COURSE(2020 -2021)


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MATHEMATICAL ECONOMICS

SUMMARY REPORT

As technology has become an integral part of our daily lives, our education system has been rapidly embracing technological advancements. This has led to students developing a better understanding of mathematical concepts and enhancing their problem-solving skills. The course has also boosted the confidence of students, enabling them to take up and apply for PSC Tests and other competitive exams for governmental jobs. Furthermore, students appreciated the opportunity to apply mathematical concepts to real-world scenarios, making the learning experience more relevant and engaging.



CO-ORDINATOR

HOD



PRINCIPAL
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RAAK ARTS AND SCIENCE COLLEGE

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PERMISSION LETTER

FROM

Dr.G.SENTHINATHAN,
Head & Assistant Professor,
Department of Business administration
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on " **PREPARATION OF HOUSEHOLD CHEMICALS**" for II students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: PREPARATION OF HOUSEHOLD CHEMICALS

Name of the Co-ordinator:

Dr.G.senthilnathan

Place: Perambai

Date: 12.08.2019



Yours Faithfully


PRINCIPAL
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VILLIANUR POST-605 110
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RAAK ARTS AND SCIENCE COLLEGE

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14.8.2019

CIRCULAR

It is hereby informed that our B.SC CHEMISTRY is going to conduct the value added course on "PREPARATION OF HOUSE HOLD CHEMICALS" for II B.SC students. Hence the students of Business Administration have to enroll their name to the course coordinator on or before 16.08.2019

I B.SC - Preparation of household chemicals

A. M. Chandrasekhar
PRINCIPAL

Copy to

1. Principal
2. Office
- 3..Department of chemistry



Jm

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
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RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc

About the Department

In its sojourn towards enthusing students' interest in the subject, the department has focused on three aspects: building a conceptually sound foundation of the subject knowledge; the importance of basic and applied research; and the benefits of the subject in development of the society. The department has adopted traditional as well as modern methods of teaching and has put a lot of emphasis on learning by doing. The seeds of research, entrepreneurship, innovations, team work and efficient working are sown by the qualified staff members by establishing a one to one interaction with students through mentoring sessions.

AGEN

DA

Day 1 to 10

Introduction -Basic programming techniques- Numerical methods- Matrices- Numerical integration and Differential equations- Roots of equations, Random numbers, Integral transforms

Day 11 to 20

Molecular Dynamic simulations- A sample Molecular Dynamics Program- Monte Carlo Simulations- An example of Monte-Carlo simulations: The Langevin Dynamics- Viscosity of Polymeric Liquids through Monte-Carlo Simulations.

Day 21 to 30

Installation Gromacs, Packmole, VMD and dChemira- Computations of Radial Distributions Functions PMFs and Diffusion Constants - Molecular Dynamics simulation of water.

DEPARTMENT OF CHEMISTRY



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VALUE ADDED COURSE

FROM

22/07/2022

TO

17/09/2022

ALL ARE WELCOME

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SYLLABUS PREPARATION OF HOUSEHOLD WORKS

Unit I: Introduction to Analytical Chemistry

- Introduce students to the concept of formulating household chemicals and perfumes using basic chemical principles, Discuss the importance of quality control.

Unit II: Gravimetric Analysis

- Demonstrate how gravimetric analysis can be used to determine the purity of ingredients in household chemicals and perfumes, Have students prepare a simple household chemical product.

Unit III: Volumetric Analysis

- Explore the use of volumetric analysis in determining the concentration of key ingredients in household chemicals and perfumes, - Have students prepare a perfume formulation and use titration techniques .

Unit IV: Instrumental Analysis

- Introduce students to instrumental methods for analyzing complex mixtures in household chemicals and perfumes, - Demonstrate how spectroscopic techniques can be used to identify and quantify ingredients in perfumes.

Unit V: Separation Techniques

- Explore separation techniques such as chromatography and distillation for isolating and purifying ingredients in household chemicals and perfumes.


COURSE COORDINATOR


HOD




- PRINCIPAL
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VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

FROM

PERMISSION LETTER

Dr.G.SENTHILNATHAN,
Head & Assistant Professor,
Department of Business
administration Raak Arts and
Science College, Perambai –
605110

TO

The Principal,
Raak Arts and Science
College, Perambai –
605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "WATER SOIL ANALYSIS" for III B.SC CHEMISTRY students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: Personality Development Name of the Co-ordinator:

Dr.G.SENTHILNATHAN (I B.SC CHEMISTRY)

Place: Perambai

Date: 27 .01.2020



Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

29.01.2020

CIRCULAR

It is hereby informed that our B.SC CHEMISTRY is going to conduct the value added course on "WATER SOIL ANALYSIS" for III B.SC CHEMISTRY students. Hence the students of B.SC CHEMISTRY have to enroll their name to the course coordinator on or before 2.2.2020.

II B.SC CHEMISTRY - WATER SOIL ANALYSIS

A. M. Harindharan No. 2.

PRINCIPAL

Copy to

1. Principal
2. Office
- 3..Department of chemistry




Jan.

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RAAK ARTS & SCIENCE COLLEGE
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RAAK ARTS AND SCIENCE COLLEGE

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<p>About the College RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, TamilNadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc</p> <p>About the Department In its sojourn towards enthusing students' interest in the subject, the department has focused on three aspects: building a conceptually sound foundation of the subject knowledge; the importance of basic and applied research; and the benefits of the subject in development of the society. The department has adopted traditional as well as modern methods of teaching and has put a lot of emphasis on learning by doing. The seeds of research, entrepreneurship, innovations, team work and efficient working are sown by the qualified staff members by establishing a one to one interaction with students through mentoring sessions.</p>	<p style="text-align: center;"><u>AGENDA</u></p> <p>ic programming techniques- integration and Differential Equations, Integral transforms</p> <p style="text-align: center;"><u>Day 11 to 20</u></p> <p>Molecular Dynamic simulations-A sample Molecular Dynamics Program- Monte Carlo Simulations- An example of Monte-Carlo simulations: The Langevin Dynamics- Viscosity of Polymeric Liquids through Monte-Carlo Simulations.</p> <p style="text-align: center;"><u>Day 21 to 30</u> Installation Gromacs, Packmol, VMD and Chemira- Computations of Radial Distribution Functions PMFs and Diffusion Constants – Molecular Dynamics simulation of water.</p>	<p style="text-align: center;">DEPARTMENT OF CHEMISTRY</p> <p style="text-align: center;">VALUE ADDED COURSE</p> <p style="text-align: center;">FROM 22/07/2022 TO 17/09/2022</p> <div style="text-align: center;">  <p>RAAK ARTS AND SCIENCE COLLEGE <small>Affiliated to Thiruvalluvar University, Vellore Recognized under section 2(f) of the UGC Act, 1956.</small></p> </div> <p style="text-align: center;">ALL ARE WELCOME</p>
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Jan

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBALUR



SYLLABUS

WATER AND SOIL ANALYSIS

Unit I: Introduction to WATER ANALYSIS

- Introduce students to the importance of water and soil analysis for environmental monitoring and public health
- Discuss the basic principles of sample collection, preservation, and preparation for water and soil analysis

Unit II: SOIL

- Demonstrate how gravimetric analysis can be used to quantify the concentration of heavy metals and minerals in soil samples
- Have students perform gravimetric analysis to determine the total dissolved solids in water samples as an indicator of water quality

Unit III: SOIL TITRATION

- Explore the use of volumetric analysis, such as titration, for determining the acidity, alkalinity, and nutrient content in water and soil samples
- Have students conduct acid-base titrations to measure the pH and alkalinity of water samples

Unit IV: Instrumental Analysis

- Introduce students to instrumental methods, such as spectrophotometry and atomic absorption spectroscopy, for detecting and quantifying contaminants in water and soil samples
- Demonstrate how spectroscopic techniques can be used to identify pollutants, such as pesticides or heavy metals, in environmental samples.

Unit V: Separation Techniques

- Explore separation techniques, including chromatography and filtration, for isolating and purifying contaminants in water and soil samples
- Have students design a separation process to extract a specific pollutant from a water sample for analysis.


COURSE COORDINATOR


HOD




PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
VILLIANUR POST-605 110
PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
Recognized under section 2(f) of the UGC Act, 1956.

PERMISSION LETTER

FROM:

Mr. R. DEVAKI
Head & Assistant Professor,
Department of commerce
Raak Arts and Science College,
Perambai – 605110

TO:

The Principal,
Raak Arts and Science College, Perambai – 605110

SUB: Requesting permission for conducting Value Added Course for students - Reg.

Respected Sir,

This is bringing to your kind notice that we have planned to conduct Value Added Course on “ONLINE TRADING” for I M COM & II M COM students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: “ONLINE TRADING”

Name of the Co-ordinator: R. DEVAKI

Place: Perambai

Date: 17.09.2020

Yours Faithfully

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21.09.2020

CIRCULAR

It is hereby informed that our Computer science department is going to conduct the value added course on "ONLINE TRADING" for I M COM & II M COM students. Hence the students of Computer science have to enroll their name to the course coordinator on or before 28.09.2020.

I M COM - "ONLINE TRADING"

II M COM - "ONLINE TRADING"

A. M. Harand No 2.

Principal

Copy to

1. Principal
2. Office
3. Department of PG commerce



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RAAK ARTS AND SCIENCE COLLEGE

Affiliated to Thiruvalluvar University, Vellore.
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ABOUT THE INSTITUTION

RAAK Arts and Science a Co-Education College affiliated to Thiruvalluvar University, Vellore, and Govt. of TN launched in the year 2009. We started with 5 UG courses and 180 students which have now grown up offering 12 UG courses, 7 PG Courses and 2 Ph.D., Courses with and overall strength of around 1500 students. We strive to produce graduates in different streams building strong moral values, well-disciplined with quality education to make them a complete human to face the challenges of the world with courage and commitment and help them lead a successful life building a good society.

ABOUT THE DEPARTMENT

RAAK Arts and Science College offers department of commerce (PG). Programmes and is manned by experienced and resourceful faculties, with a large number of publications including creative writings and translations. M.Com is a two-year full-time post graduate program that deals with studying various aspects of PG commerce along with Commerce. It is a combination of Commerce for commerce disciplines that require knowledge of computers. This course is designed to equip students with integrated knowledge of commerce. In addition, this course offers ample job opportunities in the Commerce industry. Upon completing.

the course, students can work as Business Analyst, Business Consultant, Auditor, Computer Programmer, App Developer, etc.

OBJECTIVE OF THE VALUE ADDED COURSE

- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills

ABOUT THE COURSE

The study of online trading encompasses the exploration of methods, strategies, and tools used for buying and selling financial assets via internet-based platforms. It involves understanding financial markets, the intricacies of various financial instruments, and the technological advancements that facilitate online trading. Here's a comprehensive overview of what studying online trading entails Analyzing the Current Business Scenario, Innovation and Creativity.

- Experimentation in Innovation Management Learn about different types of financial markets, including stocks, forex, commodities, and cryptocurrencies.
- Develop risk management techniques to minimize potential losses Sustainability Innovation.



RAAK ARTS AND SCIENCE COLLEGE

COURSE: ONLINE TRADING

VENUE: CLASS ROOM

DATE: 01.10.2020

Department of Commerce (PG)

RAAK Arts & Science College

Organized by



Department of Commerce (PG)

RAAK Arts & Science College

Perambai, Villianur

ALL ARE WELCOME

Jan.

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SYLLABUS

Course Title: ONLINE TRADING

COURSE OBJECTIVES

- To familiarize the students to the concept of Online Trading
- To emphasis the concept of efficient market
- To understand the latest developments in online trading

Unit I

PRIMARY MARKET

Initial Public Offer (IPO) – Introduction

Unit II

SECONDARY MARKET

Role and Functions of:

Securities and Exchange Board of India (SEBI),
Stock Exchanges,
Stock Price Indices,

Unit III

TRADING

Logging on
Log Off/Exit from the Application
Invoking An Inquiry Screen
Market Watch
Previous Trades
Outstanding Orders
Activity Log
Order Status
Market Movement

Unit IV

METHODOLOGY

Fundamental Analysis
Technical Analysis



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Unit V STRATEGIES

Investment Strategies
Swing Trading Strategies
Day Trading Strategies

COURSE COORDINATOR

HOD




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PERMISSION LETTER

FROM

Mr. A. Saravanan,
Head & Assistant Professor,
Department of Mathematics,
Raak Arts and Science College,
Perambai – 605110

TO

The Principal,
Raak Arts and Science College,
Perambai – 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "Mathematical Statistics" for I M.Sc., and II M.Sc., Mathematics students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: "Mathematical Statistics"

Name of the Co-ordinator:

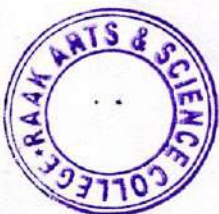
Mr.A. SARAVANAN

Place: Perambai

Date : 27.08.2020

Yours Faithfully,

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
MILLIANUR POST-605 110
PERAMBAL.





RAAK ARTS AND SCIENCE COLLEGE

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Recognized under section 2(f) of the UGC Act, 1956.

29.08.2020

CIRCULAR

It is hereby informed that our Mathematics department is going to conduct the value added course on "Mathematical Statistics" for I M.Sc., and II M.Sc., Mathematics students. Hence the students of Mathematics have to enroll their name to the course coordinator on or before 31.08.2020.

1. I M.Sc., Mathematics - **Mathematical Statistics**
2. II M.Sc., Mathematics - **Mathematical Statistics**

A. M. Howard No 2.
Principal

Copy to

1. Principal
2. Office
3. Mathematics Department



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PRINCIPAL
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RAAK ARTS AND SCIENCE COLLEGE

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About the College

RAAK Arts and Science College was established in the year 2009; it was affiliated to Thiruvalluvar University, Vellore, Tamil Nadu, India. It started with five Under Graduate degree Programs and 180 students. Today, the college is offering more than eleven Under Graduate degree Programs, three Post Graduate Degree Programs and two Ph.D. Degree Programs. The college has been fostering graduates in Arts, Sciences, Commerce, Business Administration, Social Work, Information Technology and Computer Science. This has resulted in interdisciplinary environment that promotes cross disciplinary learning and research environment to the students. RASC is located in a green campus that has all the necessary infrastructure including laboratories, ICT classrooms, transport facilities etc.

About the Department

The Mathematics Department is a dynamic and rapidly growing field that has become an integral part of modern society. Mathematics is an interdisciplinary application that has transformed every aspect of human life, from the natural sciences to the social sciences, and has had a profound impact on fields such as biology, computer science, economics, engineering, and physics. Technology has made the world faster, more connected, and more efficient. But this didn't happen by magic. It has been achieved through the brilliant minds of mathematicians who have developed algorithms, models, and statistical methods that power the computer programs and gadgets that we use every day, which are essential for success in today's rapidly changing world.

every single day.

AGENDA

Day 1 to 10

Introduction to the course-Overview of statistical inference-Review of probability theory- Probability Theory: Conditional probability-Bayes' theorem-Expected value-Random variable-Probability distributions - Point estimation- Confidence intervals- Methods of estimation-Estimation of parameters (mean, variance, proportion)

Day 11 to 20

Introduction to hypothesis testing-Types of tests (one-sample, two-sample, paired)-Test statistics (t-test, ANOVA)- P-values and significance testing- Confidence intervals for means and proportions- Confidence intervals for variance and standard deviation- Bootstrap confidence intervals- Confidence intervals for regression coefficients

Day 21 to 30

Simple linear regression-Multiple linear regression-Regression assumptions (linearity, homoscedasticity, normality)- Model diagnostics (residual plots, influence)-Advanced Topics: Non-parametric methods (Wilcoxon rank-sum test)-Bayesian inference (Bayes' theorem)-Time series analysis (ARIMA models)



RAAK ARTS AND SCIENCE COLLEGE

DEPARTMENT OF
MATHEMATICS

VALUE ADDED COURSE

MATHEMATICAL

STATISTICS

FROM 2/09/2020

TO 31/10/2020

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SYLLABUS

Course Title: Mathematical Statistics

Course Duration: 30 Hours

UNIT: 1 Introduction to Mathematical Statistics (6 Hours)

Introduction to the course-Overview of statistical inference - Conditional probability-Bayes' theorem-Expected value-Random variable-Probability distributions

UNIT: 2 Statistical Estimation (6 Hours)

Point estimation- Confidence intervals-Methods of estimation (ML, MAP, UMVU)
-Estimation of parameters (mean, variance, proportion)

UNIT: 3 Hypothesis Testing (6 Hours)

Introduction to hypothesis testing-Types of tests (one-sample, two-sample, paired)-Test statistics (t-test, ANOVA)-P-values and significance testing

UNIT: 4 Confidence Intervals (6 Hours)

Confidence intervals for means and proportions- Confidence intervals for variance and standard deviation-Bootstrap confidence intervals-Confidence intervals for regression coefficients

UNIT: 5 Regression Analysis (6 Hours)

Simple linear regression-Multiple linear regression-Regression assumptions (linearity, homoscedasticity, normality)-Model diagnostics--Time series analysis

REFERENCES

- 1."Mathematical Statistics" by Richard J. Rossi
- 2."Probability and Statistics for Engineers and Scientists" by Ronald E. Walpole
3. Online resources:Khan Academy (statistics course), Stat Trek (online statistics textbook), Mathway (online math problem solver)



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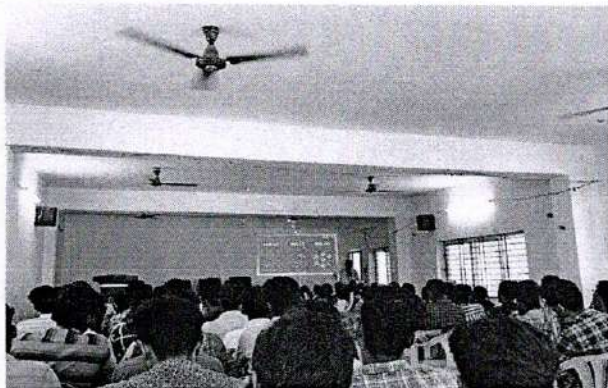
DEPARTMENT OF MATHEMATICS

VALUE ADDED COURSE(2020 -2021)


MATHEMATICAL STATISTICS

SUMMARY REPORT

As technology has become an integral part of our daily lives, our education system has been rapidly embracing technological advancements. This has led to students developing a better understanding of mathematical concepts and enhancing their problem-solving skills. The course has also boosted the confidence of students, enabling them to take up and apply for PSC Tests and other competitive exams for governmental jobs. Furthermore, students appreciated the opportunity to apply mathematical concepts to real-world scenarios, making the learning experience more relevant and engaging.




CO-ORDINATOR


HOD




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PERAMBAL.



RAAK ARTS AND SCIENCE COLLEGE

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PERMISSION LETTER

FROM

Mrs. R.SAKTHIDEVI
Head & Assistant Professor,
Department of computer science & Applications
Raak Arts and Science College,
Perambai- 605110

TO

The Principal,
Raak Arts and Science College,
Perambai- 605110

Respected Sir,

SUB: Requesting permission for conducting Value Added Course for students - Reg.

This is bringing to your kind notice that we have planned to conduct Value Added Course on "NATURAL LANGUAGE PROCESSING" for I&II M.SC(Computer Science) students. This course is very useful for students to developing their knowledge about their future study. So please give the permission for above said programs.

Thanking you

Course Name: "NATURAL LANGUAGE PROCESSING"

Name of the Co-ordinator:

Mrs. R.SAKTHIDEVI

Place: Perambai

Date: 28.08.2020

S



Yours Faithfully

PRINCIPAL
RAAK ARTS & SCIENCE COLLEGE
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Recognized under section 2(f) of the UGC Act, 1956.

29.08.2020

CIRCULAR

It is hereby informed that our Computer science department is going to conduct the value added course on "NATURAL LANGUAGE PROCESSING" for I&II M.SC(Computer Science) students. Hence the students of Computer science have to enroll their name to the course coordinator on or before 31.08.2020.

I&II M.SC(Computer science)-"NATURAL LANGUAGE PROCESSING"

A. M. H. No 2.
Principal

Copy to

1. Principal
2. Office
3. CS&BCA



J.K.
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About the College

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About the Department

Computer science is a dynamic and rapidly growing area that has become an integral part of the world today. It is an interdisciplinary application and utility of computer programming that has transformed every aspect of human life including biology, businesses, cyber security, economics, engineering, information assurance, languages and linguistics, mathematics, physics, public policy, etc. Today, programming and digitalization are used to address a wider range of complex issues. Technology has made the world better, faster, and more connected. But this didn't happen by magic. It has been achieved to the brilliant minds of IT graduates, who took their passion for technology and used it to create gadgets and computer programs that help the society every single day.

AGENDA

Day 1 to 10

:Introduction to NLP(6 hours)

Overview of NLP - History and Evolution - Applications of NLP - Text Processing - Text Preprocessing: Tokenization, Stemming, Lemmatization - Regular Expressions - Text Normalization

Day 11 to 20

N-grams and Smoothing Perplexity-Introduction to Neural Language Model- Word Embeddings Bag of Words, TF-IDF Word2Vec, GloVe Evaluation of Word Embeddings-Syntax and Parsing- Part-of-Speech Tagging Context-Free Grammars-Dependency Parsing

Day 21 to 30

Named Entity Recognition (NER)- Sentiment Analysis Word-Sense Disambiguation Machine Translation Statistical-Machine Translation Neural-Machine Translation Attention Mechanisms-Text Classification-Naive Bayes Support-Vector Machines- Neural Networks for Text Classification.



RAAK ARTS AND SCIENCE COLLEGE

DEPARTMENT OF COMPUTER SCIENCE

VALUE ADDED COURSE
NATURAL LANGUAGE PROCESSING

FROM 4/09/2020
TO 31/10/2020

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SYLLABUS

Course Title: NATURAL LANGUAGE PROCESSING

Course Description: This course provides an introduction to the field of Natural Language Processing (NLP), the branch of artificial intelligence that focuses on the interaction between computers and human languages. It covers both theoretical and practical aspects, including text processing, language modeling, syntactic parsing, machine translation, and more.

Course Duration: [Insert duration here]

UNIT 1 :Introduction to NLP(6 hours)

Overview of NLP - History and Evolution - Applications of NLP- **Text Processing** - Text Preprocessing: Tokenization, Stemming, Lemmatization - Regular Expressions - Text Normalization

UNIT 2:Language Models(6 hours)

N-grams and Smoothing Perplexity-Introduction to Neural Language Model- Word Embeddings Bag of Words, TF-IDF Word2Vec, GloVe Evaluation of Word Embeddings-Syntax and Parsing-Part-of-Speech Tagging Context-Free Grammars-Dependency Parsing

UNIT 3: Semantic Analysis(6 hours)

Named Entity Recognition (NER)-Sentiment Analysis Word-Sense Disambiguation Machine Translation Statistical -Machine Translation Neural- Machine Translation Attention Mechanisms- Text Classification-Naive Bayes Support -Vector Machines- Neural Networks for Text Classification.

UNIT 4:Sequence Labeling and Sequence-to-Sequence Models(6 hours)

Hidden Markov Models Conditional Random Fields Seq2Seq Models with LSTM/GRU- Advanced Topics in NLP Transformer Models (BERT, GPT) Transfer Learning in NLP Zero-shot and Few-shot Learning-Speech Processing-Automatic Speech Recognition (ASR)-Text-to-Speech (TTS)-Speech Synthesis

UNIT 5:Evaluation and Ethics in NLP(6hours)




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Evaluation Metrics (Precision, Recall, F1 Score) -Bias and Fairness in NLP -Ethical Consideration -NLP Application -Chatbots and Conversational-Agents Information Retrieval - Question Answering Systems

Textbooks and References:

- Jurafsky, D., & Martin, J. H. (2009). *Speech and Language Processing* (2nd ed.). Pearson.
- Manning, C. D., Raghavan, P., & Schütze, H. (2008). *Introduction to Information Retrieval*. Cambridge University Press.
- Goldberg, Y. (2017). *Neural Network Methods for Natural Language Processing*. Morgan & Claypool Publishers.



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DEPARTMENT OF COMPUTER SCIENCE

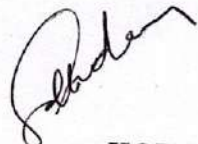
VALUE ADDED COURSE(2020 -2021)

NATURAL LANGUAGE PROCESSING

SUMMARY REPORT

Natural Language Processing (NLP) is a branch of artificial intelligence that focuses on the interaction between computers and human languages. It involves the development of algorithms and models that enable computers to understand, interpret, and generate human language in a way that is both meaningful and useful.


CO-ORDINATOR


HOD




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