

**MEENAKSHI ACADEMY OF HIGHER EDUCATION
AND RESEARCH**

**(Deemed To Be University U/S 3 OF UGC ACT, 1956), CHENNAI.
12, Vembuliamman Koil Street, West K.K. Nagar, Chennai – 600 078**

**FACULTY OF HUMANITIES AND SCIENCE
DEPARTMENT OF COMMERCE – COMPUTER APPLICATIONS**



**REGULATIONS AND SYLLABUS
(REGULATIONS – 2018)**

Effective from the Academic Year 2018 – 2019

V. S. Ganesh

**FACULTY OF HUMANITIES AND SCIENCE
MEENAKSHI ACADEMY OF HIGHER EDUCATION AND RESEARCH
(Deemed to be University)
No: 12, Vembuliamman Koil Street,
West K.K. Nagar, Chennai - 600 078**

MEENAKSHI ACADEMY OF HIGHER EDUCATION AND RESEARCH

REGULATIONS -2018


Vision

- To be a world-class institution, transforming society through value-based diverse programs and healthcare advancements, leading to the all-around development of human resources, knowledge, innovation, entrepreneurship, and research.

Mission

- To become an institute of eminence by developing world-class professionals in the field of healthcare, science, liberal arts, technology and research with a focus on the societal good.
- To create an enabling state-of-the-art infrastructure, intellectual capital and provide best-in-class learning experience with a freedom to innovate and invent.
- To foster values and ethics so as to develop students and learners into responsible citizens of the Nation and the world.




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MEENAKSHI ACADEMY OF HIGHER EDUCATION AND RESEARCH

**FACULTY OF HUMANITIES AND SCIENCE
REGULATIONS -2018**

VISION

- **Provide quality education which would make learning effective and expand the frontiers of knowledge to serve the society**

MISSION

- **To be a world class institution committed to develop individuals to meet global challenges.**
- **To instil a sense of confidence and leadership qualities in the minds of students for the wholesome personality development**



V. S. Senthil

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West K.K. Nagar, Chennai-600 078.

LIST OF PROGRAMS:

STREAMS IN ARTS

- B.A (Bachelor in English)
- B. Com (Bachelor in Commerce)
- B. Com (CA) (Bachelor in Commerce with Computer Applications)
- B. Com (CS) (Bachelor in Commerce with Corporate Secretary ship)


STREAMS IN SCIENCE

- B.C.A (Bachelor in Computer Applications)
- B.Sc. (Bachelor in Computer Science)
- B.Sc. (Bachelor in Mathematics)
- B.Sc. (Bachelor in Visual Communication)

STREAMS IN PROFESSIONAL PROGRAM

- B.B.A (Bachelor in Business Administration)




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MEENAKSHI ACADEMY OF HIGHER EDUCATION AND RESEARCH

FACULTY OF HUMANITIES AND SCIENCE

REVISED REGULATIONS -2018

In exercise of the powers conferred by the Board of Management, Meenakshi Academy of Higher Education and Research, Chennai here by makes the following Regulations:

1. SHORT TITLE

These Regulations shall be called “THE REGULATIONS FOR B.A., B.Sc., B.C.A., B.Com., AND B.B.A DEGREE PROGRAMS UNDER FACULTY OF HUMANITIES AND SCIENCE OF MEENAKSHI ACADEMY OF HIGHER EDUCATION AND RESEARCH”.

2. COMMENCEMENT

They shall come into force from the academic year 2018 –2019 onwards.

The Revised Regulations and the Syllabus are subject to modification by the Standing Academic Council of MAHER from time to time.


3. TITLE OF THE PROGRAM

It shall be called as Bachelor of Arts (English), Bachelor of Science (Computer Science / Mathematics / Visual Communication), Bachelor of Computer Applications, Bachelor of Commerce (General / Computer Applications / Corporate Secretaryship) and Bachelor of Business Administration.

4. ELIGIBILITY FOR ADMISSION

Candidates should have passed in the Higher Secondary Examination (Academic or Vocational Stream) conducted by the Government of Tamil Nadu or an examination accepted as equivalent thereof by the Academic Council of MAHER and the subjects specified below:




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For all B.A., B.Sc., B.C.A., B.Com and B.B.A Degree Programs - Under
Faculty of Humanities and Science

S.No.	Program and Branch	Major Subjects Of Study In HSE (+2)
1	B.A English	A Pass in the Higher Secondary Examinations (Academic or Vocational Stream)
2	B.Sc Mathematics	Mathematics or Statistics or Business Mathematics
3	B.Sc Visual Communication	A Pass in the Higher Secondary Examinations (Academic or Vocational Stream)
4	B.Sc Computer Science	Computer Science or Mathematics or Statistics or Business Mathematics
5	B.C.A	Computer Science or Mathematics or Statistics or Business Mathematics
6	B.Com (General)	Accountancy and Commerce
7	B.Com (Computer Applications)	Accountancy, Commerce and Computer Science



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8	B.Com (Corporate Secretaryship)	Accountancy and Commerce
9	B.B.A	A Pass in the Higher Secondary Examinations (Academic or Vocational Stream)

5. CRITERIA FOR SELECTION

Students for all Degree Programs shall be admitted based on performance at the Qualifying Examination conducted by the Government of Tamil Nadu or an examination accepted as equivalent thereof by the Academic Council of MAHER.

6. AGE LIMIT FOR ADMISSION

Candidate should have completed the age of 17 years at the time of admission or would complete the age of 17 years on or before 31st December of the year of admission to the first year Degree Program.

7. ELIGIBILITY CERTIFICATE

No candidate from other states shall be admitted to the Degree Program unless the candidate has obtained and produced Eligibility Certificate issued by this University. The candidate has to make an application to MAHER with the Original and Xerox copies of the following documents along with the prescribed fee.

- 1) Higher Secondary or equivalent Examination Mark Sheet and
- 2) Transfer Certificate Candidate should obtain Eligibility Certificate before the last date for admission as notified by MAHER.



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8. REGISTRATION

A candidate admitted to the Degree Program of MAHER shall register by remitting the prescribed fees along with the application form for registration duly filled in and forwarded to this MAHER through the Head of the Institution within the stipulated date.

9. DURATION OF THE PROGRAM

The Duration of the program is for a period of three years (Six semesters). Each academic year shall comprise of two semester's viz. Odd and Even semesters. Odd semesters shall be from June / July to October / November and Even Semesters shall be from November / December to April / May. There shall be not less than 90 working days for each semester (Exclusive of the days for the conduct of University end-semester examinations).

10. CUT OFF DATES FOR ADMISSION TO EXAMINATIONS

The candidates admitted from 1st June to 31st July of the academic year be registered to take up their of November of the academic year. There will not be any admission after 31st July for the academic year.

11. CREDIT REQUIRMENTS AND ELIGIBILITY FOR AWARD OF DEGREE

A candidate shall be eligible for the award of the Degree only if he/she has undergone the prescribed course of study under the Faculty of Humanities and Science of MAHER for a period of not less than three academic years and passed the examinations of all the Six Semesters prescribed earning a minimum of 140 credits as per the distribution given in Regulation 12 for Part I, II, III, IV & V and also fulfilled such other conditions as have been prescribed thereof.



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12. PROGRAM OF STUDY, CREDITS AND SCHEME OF EXAMINATION.

12.1 The Program Components and Credit Distribution shall consist of the following: (Minimum Number of Credits to be obtained)

Program Component	Name of the Course	Credits allotted for Four Semester Language Papers (B.A & B.Sc Courses)	Credits allotted for Two Semester Language Paper (B.Com, B.B.A & B.C.A Courses)
PART I	Tamil or Other Languages	12	6
PART II	English	12	6
PART III	Core Courses	60	76
	Allied Courses	20	16
	Project/ Three Elective Courses	15	15
PART IV	i. Basic Tamil/ Advanced Tamil/ NME (Non Major Elective)	4	4
	ii. Soft Skill Courses	12	12
	iii. Environmental Studies	2	2
	iv. Value Education	2	2
PART V	Extension Activities	1	1
Total Credits		140	140




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12.2 DETAILS OF PROGRAM OF STUDY OF PARTS I – V

12.2.1 **PART I:** Tamil: According to the syllabus and text-books prescribed from time to time

12.2.2 **PART II:** English: According to the syllabus and text-books prescribed from time to time


12.2.3 **PART III :** Core, Allied and Project/Three Elective Courses: As prescribed by the Board of Studies.

12.2.4 **PART IV:** I Non Major Elective (NME). II. Soft Skill Courses.III. Environmental Studies. IV. Value Education

12.2.5 **PART V:** Extension Activities: Students shall be awarded a maximum of 1 Credit for Compulsory Extension Service. All the Students shall have to enroll for NSS /NCC/ NSO (Sports & Games) Rotract/ Youth Red Cross or any other Service Organizations in the Faculty of Humanities and Science and shall have to put in compulsory minimum attendance of 40 hours which shall be duly certified by the Principal of the Faculty of Humanities and Science before 31st March in a year. If a student lacks 40 hours attendance in the first year, he or she shall have to compensate the same during the subsequent years. Those students who complete minimum attendance of 40 hours in one year will get 'half-a-credit and those who complete the attendance of 80 or more hours in Two Years will get 'one credit'. Literacy and Population Education and Field Work shall be compulsory components in the above extension service activities.

12.2.6 Scheme of Examinations and syllabus of each programme given separately in Annexure –I




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13 INSTRUCTIONAL (TEACHING) HOURS

13.1 For First, Second, Third and Fourth semesters:

Course	BA, BBA and B. Com	B. Sc without Practical	B. Sc and BCA with Practical
Language	4+2hours*	4+2hours*	4+2hours*
English	4+2hours@	4+2hours@	4+2hours@
Core course I	5 hours	5 hours	5 hours Theory
			3 hours Practical
Core course II	5 hours	5 hours	-
Allied course	6 hours	6 hours	5 hours Theory
			3 hours Practical
Non-Major Elective Course	2 hours	2 hours	2 hours
Total	30 hours	30 hours	30 hours

*2 hours for Part IV Environmental Studies/ Value Education

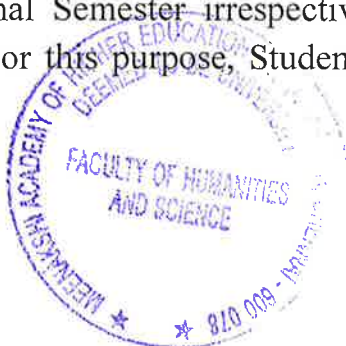
@2 hours for Soft Skills Courses.


13.2 For Fifth and Six Semesters:

Program	BA,BBAandB.Com	B.Scand BCA
CoreCourse(each)	6hours	6hours
ElectiveCourse(each)	5hours	5hours

14. EXAMINATION AND EVALUATION

14.1 Register for all subjects: Students shall be permitted to proceed from the First Semester up to Final Semester irrespective of their failure in any of the Semester Examination. For this purpose, Students shall register for all the arrear




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subjects of earlier semesters along with the current (subsequent) Semester Subjects.

14.2 Marks for Internal and End Semester Examinations for PART I, II, III, and IV

Category	Theory	Practical
Internal Assessment	25	40
End-Semester (University) Examination	75	60

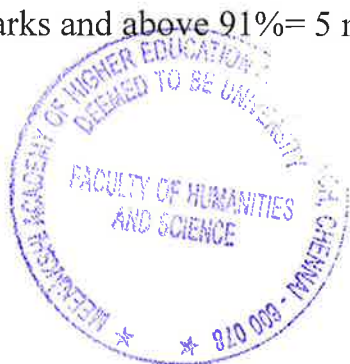
14.3 Procedure for Awarding Internal Marks


Course	Particulars	Marks
	Tests (2 out of 3)	10
Theory Papers	Attendance	5
	Seminars	5
	Assignments	5
	Total	25
	Attendance	5
Practical Papers	Test best 2 out of 3	30
	Record	5
	Total	40
	Internal Marks (best 2 out of 3 presentations)	20
Project	Viva-Voce	20
	Project Report	60
	Total	100

14.4 (i) Awarding Marks for Attendance (out of 5)

Attendance below 60% = 0 marks, 61 % to 75% = 3 marks,

76 % to 90% = 4 marks and above 91%= 5 marks




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(ii) Conducting Practical and Project Viva-voce Examination: By Internal and External Examiners

14.5. Question Paper Pattern for End Semester (University) Examination

SECTION – A

(30 words) 10 questions out of 12 questions

10 X 2 marks = 20 marks

SECTION – B

(200 words) 5 questions out of 7 questions

5 X 5 marks = 25 marks

SECTION – C

(500 words) 3 questions out of 5 questions

3 X 10 marks = 30 marks


TOTAL = 75 marks

14.6. PASSING MINIMUM

14.6.1 The passing minimum for Internal Assessment shall be 40% out of 25 Marks (i.e. 10 Marks). Failed candidates in the Internal Assessment are permitted to improve their Internal Assessment marks in the subsequent semesters (2 chances will be given) by writing tests and by submitting Assignments.

14.6.2 For external examination, passing minimum shall be 40% [Forty Percentage] of the maximum marks prescribed for the paper for each Paper / Practical / Project and Viva-Voce.




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14.6.3 In the aggregate [External/Internal] the passing minimum shall be of 40%.

14.6.4. He/She shall be declared to have passed the whole examination, if he/she passes in all the papers and practical wherever prescribed as per the scheme of the examinations by earning 140 CREDITS in Part I, II, III, IV & V. He/she shall also fulfill the extension activities prescribed earning a minimum of 1 credit to qualify for the Degree.

14.7. RETOTALLING OF THE ANSWER SCRIPTS:

There shall be no revaluation of for UG Students. However, all UG Students who appeared for their Semester Examinations are eligible for applying for re totalling of their answer scripts.

15. CONDONATION


15.1. Students must have 75% of attendance in each course for appearing the examination.

15.2. Students who have 74% to 70% of attendance shall apply for Condonation in the prescribed form with the prescribed fee of Rs.500/- (Rupees Five Hundred only).

15.3. Students who have 69% to 60% of attendance shall apply for Condonation in prescribed form with prescribed fee of Rs.500/- (Rupees Five Hundred only) along with the Medical Certificate.

15.4. Students who have below 60% of attendance are not eligible to appear for the examination. They shall re-do the semester(s) after completion of the programme.




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16. CLASSIFICATION OF SUCCESSFUL STUDENTS

16.1. PART I TAMIL / OTHER LANGUAGES;

PART II ENGLISH AND

PART III CORE SUBJECTS, ALLIED, ELECTIVES COURSES AND PROJECT:

16.1.1 For each of the three parts, there shall be separate classification on the basis of CGPA as indicated in regulation 18.2.


16.1.2 A successful candidate who secures 75% and above of the marks in his / her first appearance in all the subjects in Part III within the prescribed period will be declared to have passed in first class with Distinction.

16.1.3 Successful Students passing the Examinations for the Part I, Part II and Part III courses and securing the marks (a) 60 percent and above and (b) 50 percent and above but below 60 percent in the aggregate shall be declared to have passed the examination in the FIRST and SECOND class respectively; all other successful candidates shall be declared to have passed the examination in the THIRD Class.

17. **MARKS AND GRADES:** The following table shows the marks, grade points and letter grades to indicate the performance of the Student:

MARKS	GRADEPOINTS	LETTERGRADE
96 and above	10	S+
90- 95	9.5	S
86-90	9	D++
81-85	8.5	D+
76-80	8	D
71-75	7.5	A++




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66-70	7	A+
61-65	6.5	A
56-60	6	B+
51-55	5.5	B
46-50	5	C+
40-45	4.5	C
Below 40	0	F

18.1. Computation of Grade Point Average (GPA) in a Semester, Cumulative Grade Point Average (CGPA) and Classification

$$\text{GPA for a Semester:} = \frac{\sum i C_i G_i}{\sum i C_i}$$

That is, GPA is the sum of the multiplication of grade points by the credits of the courses divided by the sum of the credits of the courses in a semester.

$$\text{CGPA for the entire programme:} = \frac{\sum n \sum i C_{ni} G_{ni}}{\sum n \sum i C_{ni}}$$

That is, CGPA is the sum of the multiplication of grade points by the credits of the entire programme divided by the sum of the credits of the courses of the entire programme Where,

C_i = Credits earned for course i in any semester,


G_i = Grade Points obtained for course i in any semester

n_i = Semester in which such courses were credited.

18.2. Letter Grade and Class

CGPA	GRADE	CLASSIFICATION OF FINAL RESULT
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9.51 and above	S+	First Class Exemplary *
9.01-9.50	S	
8.51-9.00	D ++	
8.01-8.50	D +	First Class with Distinction *
7.51-8.00	D	
7.01-7.50	A ++	
6.51-7.00	A +	First Class
6.01-6.50	A	
5.51-6.00	B +	
5.01-5.50	B	Second Class
4.51-5.00	C +	Third Class
4.00 - 4.50	C	
Below 4.00	F	Fail

*The Students who have passed in the first appearance and within the prescribed semester of the UG Programme (Major, Allied and Elective courses only) are eligible.


19. RANKING

Students who pass all the examinations prescribed for the Program in the FIRST APPEARANCE ITSELF ALONE are eligible for Ranking / Distinction.

20. RE-ADMISSION AFTER BREAK OF STUDY

a) The calculation of the break of study of the candidate for readmission shall calculate from the date of first discontinuance of the Course instead of from the date of admission.




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- b) Candidates having break of study shall be considered for re admission provided, they are not subjected to any disciplinary action and no charges pending or contemplated against them.
- c) All readmissions of candidates are subject to the approval of the Vice-Chancellor.
- d) A candidate having a break of study upto 3 years from the date of discontinuation shall apply for the readmission for condonation to the Academic Officer of this University. The candidates may be readmitted in the corresponding course of study. The candidate has to fulfill the attendance requirements of the University and shall be granted exemption in the subjects he/she has already passed.
- e) Candidates having a break of study of 4 years and above from the date of discontinuance and more than two spells of break will not be considered for readmission.

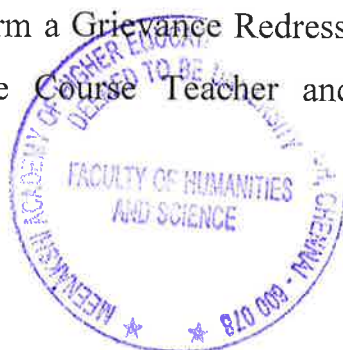
21. MAXIMUM PERIOD FOR COMPLETION OF THE PROGRAMS TO QUALIFY FOR A DEGREE


21.1 The candidate has to successfully complete the program in 6 years i.e., double the duration of the program from the date of joining.

21.2 Students qualifying during the extended period (after normal period of 3 years), shall not be eligible for RANKING.

22. Grievance Redressal Committee

The College shall form a Grievance Redressal Committee for each course in each department with the Course Teacher and the HOD as the members. This




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Committee shall solve all grievances relating to the Internal Assessment marks of the students.

SUMMARY OF CREDIT ALLOCATION

Course Component	Name of the Course	Credits allotted for Four Semester Language Papers (B.A & B.Sc Courses)
PART I	Tamil or Other Languages	12
PART II	English	12
PART III	Core Courses	60
	Allied Courses	20
	Project/ Three Elective Courses	15
PART IV	i. Basic Tamil/ Advanced Tamil/ NME (Non Major Elective)	4
	ii. Soft Skill Courses	12
	iii. Environmental Studies	2
	iv. Value Education	2
PART V	Extension Activities	1
	Total Credits	140

Course Component	Name of the Course	Credits allotted for Two Semester Language Paper (B.Com, B.B.A & B.C.A Courses)
PART I	Tamil or Other Languages	6
PART II	English	6
PART III	Core Courses	76
	Allied Courses	16
	Project/ Three Elective Courses	15
PART IV	i. Basic Tamil/ Advanced Tamil/ NME (Non Major Elective)	4
	ii. Soft Skill Courses	12
	iii. Environmental Studies	2
	iv. Value Education	2
PART V	Extension Activities	1
	Total Credits	140




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PROGRAM AND PROGRAM SPECIFIC OUTCOMES

PROGRAM: Bachelor of Commerce – Computer Applications

PROGRAM OUTCOMES (PO's)

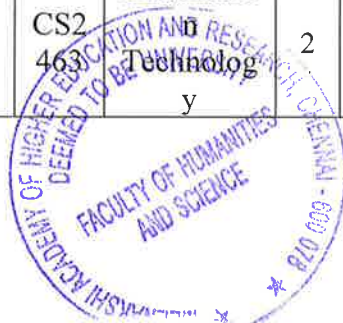
- PO 1-** Build a strong foundation in accounting, management and business subjects
- PO 2-** Seek variety of career options in accounting, management and business related fields
- PO 3-** Equip with skills and knowledge to excel in their future careers
- PO 4-** Develop critical thinking skills in students
- PO 5-** Enter master programmes like M.Com, MBA and pursue professional programmes like C.A, CMA, C.S, etc.


PROGRAM SPECIFIC OUTCOME (PSO's)

- PSO 1:** Understand the basic concepts and functions of accounting, trade and computer software.
- PSO 2:** Analyse the scope of the business by adopting modern technology in the business practice.

SEMESTER I

Semester	Part	Course Components	Course		Teaching Per Week			Course Credits	University Examination		Total Marks
			Code	Title	L	T	P		CI A	External	
I	I	Language Course - I (LC); Tamil	LT 2101	Tamil - I	3	0	0	3	25	75	100
	II	English Language Course - I (ELC); Tamil	LE 2102	English I	3	0	0	3	25	75	100
	III	Core Course CC - I	CO 2101	Financial Accounting	3	1	0	4	25	75	100
		Core Course CC - II	CS2 463	Information Technology	2	1	1	4	25	75	100




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	Allied Course AC - I	CO 210 2	Allied: BusinessE conomics	3	1	0	4	25	75	100
	Non Major Elective - I		Non Major Elective - I	2	0	0	2	25	75	100
IV	Career Development Course - I	CD 2801	Soft Skills - 1; Essentials of Language and Communica tion	2	0	1	3	40	60	100
	Total						23			700

SEMESTER II

Sem ester	P art	Course Compone nts	Course		Teaching Per Week			Cou rse Cre dits	University Examination		Total Marks
			Code	Title	L	T	P		CI A	External	
II	I	Language Course - II(LC)	LT2 201	Tamil- II	3	0	0	3	25	75	100
	II	English Language Course - II (ELC)	LE2 202	English - II	3	0	0	3	25	75	100
	III	Core Course(C C) - III	CO2 105	Advanced Financial Accountin g	3	1	0	4	25	75	100
		Core Course(C C) - IV	CS2 481	Informatio n Technolog y (Practical)	1	0	3	4	25	75	100
		Allied Course(A C) - II	CO2 107	Indian Economy	3	1	0	4	25	75	100
	IV	Non - major Elective - II		Conceptof SelfHelp Group.	2	0	0	2	25	75	100
Career Developm ent Course -II			Soft Skills - II : Essentials of Spoken and Presentatio	2	0	1	3	40	60	100	




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				n Skills							
				Total			23			700	

SEMESTER III

Semester	Part	Course Components	Course		Teaching Per Week			Course Credits	University Examination		Total Marks
			Code	Title	L	T	P		CI A	External	
III	I	Core Course-V	CO2109	Corporate Accounting – I	3	1	0	4	25	75	100
	II	Core Course -VI	CO2110	Business Law	4	0	0	4	25	75	100
	III	Core Course -VII	CA2201	Computerized Accounting (Theory & Practical)	2	1	1	4	25	75	100
		Core Course -VIII	CS2491	Object Oriented Programming Using C++ (Theory & practical)	2	1	1	4	25	75	100
		Allied Course(AC) - III	MA2566	Business Statistics and Operations Research – I	2	2	0	4	25	75	100
	IV	Career Development Course – III	ES2981	Environmental Studies	2	0	0	2	25	75	100
		Career Development Course – IV	CD2803	Soft Skills - III : Personality Enrichment	2	0	1	3	40	60	100
					Total			25			700





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SEMESTER IV

Semester	Part	Course Components	Course		Teaching Per Week			Course Credits	University Examination		Total Marks
			Code	Title	L	T	P		CI A	External	
IV	I	Core Course -IX	CO2115	Advanced Corporate Accounting	3	1	0	4	25	75	100
	II	Core Course -X	MS2301	Principles of Management	3	1	0	4	25	75	100
	III	Core Course(CC) - XI	CA2202	E-commerce (Theory)	3	1	0	4	25	75	100
		Core Course(CC) - XII	CS2492	Programming in Java (Theory & Practical)	2	1	1	4	25	75	100
		Allied Course(AC) - IV	MA2572	Business Statistics and Operations Research – II	2	2	0	4	25	75	100
	IV	Career Development Course – V	VE2001	Value Education	2	0	0	2	25	75	100
		Career Development Course – VI	CD2804	Soft Skills - IV: Computing Skills	2	0	1	3	40	60	100
	Total								25		



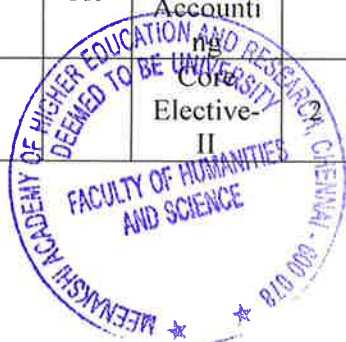

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SEMESTER V

Semester	Part	Course Components	Course		Teaching Per Week			Course Credits	University Examination		Total Marks
			Code	Title	L	T	P		CI A	External	
V	I	Core Course(CC) – XIII	MS2 305	Financial Management	3	1	0	4	25	75	100
	II	Core Course(CC) - XIV	MS2 302	Marketing	3	1	0	4	25	75	100
	III	Core Course(CC) - XV	CO2 123	Banking & Financial Services	3	1	0	4	25	75	100
		Core Course(CC) - XVI	CS2 493	Visual Basic and RDBMS (Theory & Practical)	3	1	0	4	25	75	100
		Core Elective-I		Core Elective-I	3	2	0	5	25	75	100
				Total				21			500

SEMESTER VI

Semester	Part	Course Components	Course		Teaching Per Week			Course Credits	University Examination		Total Marks
			Code	Title	L	T	P		CI A	External	
V	I	Core Course(CC) - XVII	MS2 311	Business Environment	3	1	0	4	25	75	100
	II	Core Course(CC) – XVIII	MS2 316	Human Resources Management	3	1	0	4	25	75	100
	III	Core Course(CC) – XIX	CO2 119	Cost & Management Accounting	3	1	0	4	25	75	100
		Core Elective-II		Core Elective-II		1	1	4	25	75	100



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		Core Elective-III	Core Elective-III	3	2	0	5	25	75	100
			Total				21			500

NON MAJOR ELECTIVES – SEMESTER I

COURSE		TEACHING PER WEEK			COURSE CREDIT	UNIVERSITY EXAMINATION		TOTAL
CODE	TITLE	L	T	P		CIA	EXTERNAL	
NE 2911	Basics Of Retail Marketing	3	2	0	2	25	75	100
NE 3012	On overview of ISO	3	2	0	2	25	75	100
NE 3013	Basics of health care management	3	2	0	2	25	75	100

*Students will be provided an option to choose any 1 course from the above electives.

NON MAJOR ELECTIVES – SEMESTER II

COURSE		TEACHING PER WEEK			COURSE CREDIT	UNIVERSITY EXAMINATION		TOTAL
CODE	TITLE	L	T	P		CIA	EXTERNAL	
NE 2942	Concept of Self Help Group.	3	2	0	2	25	75	100
NE 3014	Basics of insurance	3	2	0	2	25	75	100
NE 3015	Consumer protection and consumer rights	3	2	0	2	25	75	100

*Students will be provided an option to choose any 1 course from the above electives.




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CORE ELECTIVE I – SEMESTER V

COURSE		TEACHING PER WEEK			COURSE CREDIT	UNIVERSITY EXAMINATION		TOTAL
CODE	TITLE	L	T	P		CIA	EXTERNAL	
CO 2124	Income Tax Law and Practice –I	3	2	0	5	25	75	100
CO 2125	Investment Management	3	2	0	5	25	75	100
CO 2126	Research methodology	3	2	0	5	25	75	100

*Students will be provided an option to choose any 1 course from the above electives.

CORE ELECTIVE II – SEMESTER VI

COURSE		TEACHING PER WEEK			COURSE CREDIT	UNIVERSITY EXAMINATION		TOTAL
CODE	TITLE	L	T	P		CIA	EXTERNAL	
CS 2594	Computer Applications in Business	3	2	0	5	25	75	100
CS 2494	Web Technology	3	2	0	5	25	75	100
CS 2694	Capital Market	3	2	0	5	25	75	100

*Students will be provided an option to choose any 1 course from the above electives.

CORE ELECTIVE III – SEMESTER VI

COURSE		TEACHING PER WEEK			COURSE CREDIT	UNIVERSITY EXAMINATION		TOTAL
CODE	TITLE	L	T	P		CIA	EXTERNAL	
CO2 127	Income Tax Law and Practice –II	3	2	0	5	25	75	100
CO2 130	portfolio management	3	2	0	5	25	75	100
CO2 131	project work	3	2	0	5	25	75	100

*Students will be provided an option to choose any 1 course from the above electives.




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COURSES

SEMESTER 1

Title of the Course	Financial Accounting -I	CODE	CO2101
Core	First Year & First Semester	Credit	4
Course Objectives	<ol style="list-style-type: none"> To enable the students to know the Principles of Accounting. To Understand the System of Keeping Financial Accounting Records. 		
Course Outline	Unit1:Introduction Meaning and scope of Accounting, Basic Accounting Concepts and Conventions – Objectives of Accounting – Accounting Transactions – Double Entry Book Keeping – Journal, Ledger, Preparation of Trial Balance – Preparation of Cash Book		
	Unit-2:Final Accounts Preparations of Final Accounts of a Sole Trading Concern –Adjustments – Preparations of Receipt and Payments Accounts , Income and Expenditure Account and Balance Sheet of Non Trading Organizations.		
	Unit 3: Rectification Of Errors And Bank Reconciliation Statement Classification of errors – Rectification of errors – Preparation of Suspense Account. Bank Reconciliation Statement-Need and preparation		
	Unit-4: Depreciation and insurance claims Depreciation – Meaning, Causes, Types – Straight-Line Method – Written Down Value method –concept of useful life under companies act,2013.Insurance Claims – Average Clause		
	Unit-5 : Single entry system Meaning of and features of Single Entry system – Defects, Differences between Single Entry and Double Entry System – methods of calculation of profit - Statement of Affairs Method – Conversion Method.		




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REFERENCE	<p>1. Recommended Texts T.S. Reddy &A.Murthy – Financial Accounting</p> <p>2. Reference Books</p> <p>1.Shukla &Grewal – Advanced Accounting</p> <p>2.Jain &Narang – Financial Accounting</p> <p>3.P.C.Tulsian – Financial Accounting</p> <p>4.S.Parthasarathy &A.Jaffarulla – Financial Accounting</p> <p>5.R.L Gupta &Radhaswamy – Advanced Accounting – Volume I</p>
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COURSE OUTCOMES:

CO2101.1: Understanding the basic concepts of accounting and preparation of journal ledger, trail balance and cash book


CO2101.2: Understanding the final accounts ,income and expenditure accounts, receipts and payments accounts

CO2101.3: Understanding the reconciliation of bank accounts and how to rectify errors in the books of accounts

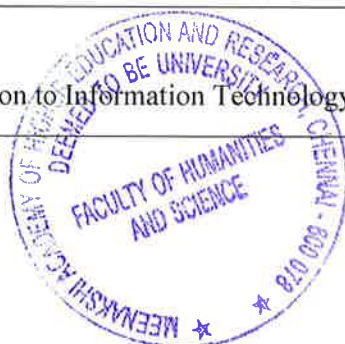
Mapping Function of PO's and CO's & PSO's


Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2101.1	3	3	3	1	3	2	1
CO2101.2	3	2	1	2	1	1	3
CO2101.3	1	3	1	1	3	2	2
Average	2.33	2.66	1.66	1.33	2.33	1.67	2




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Title of the Course	INFORMATION TECHNOLOGY	CODE	CS2463
Core	First Year & First Semester	Credit	4
Course Objectives	<p>1. To develop understanding and appreciation in a broader prospective in the application of Information Technology.</p> <p>2. To equip the student to complete in the present world with computer knowledge.</p>		
Course Outline	<p>UNIT – 1: DATA AND INFORMATION</p> <p>Types of data simple model of a computer - Desktop Computer, Acquisition of numbers and textual data: Introduction - Input units - internal representation of numeric data, representation of characters in computers.</p>		
	<p>UNIT – 2: ACQUIRING GRAPHICAL DATA</p> <p>Introduction - Acquisition of textual data, pictures - Storage format for pictures – Image Acquisition with digital camera. Acquiring Audio Data - Acquisition of Video - Processing and Displaying Textual Data.</p>		
	<p>UNIT – 3: DATA STORAGE</p> <p>Introduction - Memory cell - RAM, ROM, Floppy Disk Drive, and CD ROM - Central Processing Unit – Output Devices.</p>		
	<p>UNIT – 4: SOFTWARE</p> <p>Computer software - Computer networks – Data organization.</p>		
	<p>UNIT – 5: SOME INTERNET APPLICATIONS</p> <p>Email - WWW – Information Browsing Service – Information retrieved from World Wide Web - Audio on internet - Business information system: Introduction B- Types of information needed by organization - Use of computer in business.</p>		
REFERENCE	<p>TEXT BOOK:</p> <p>1. V. Rajaraman, "Introduction to Information Technology"</p>		




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REFERENCE BOOK

1. AjoyKumarRay&TinkuAcharya,"InformationTechnol
ogy-Principlesand Application", Prentice Hall of India, 2004.
2. Research and Development Wing ITL Education, "IT Tools
and Applications", MacmillanIndiaLtd.,2004.
3. S.K.Sarkar&A.K.Gupta,"ElementofComputerScience",S.Chand&Co.,
2002.

COURSE OUTCOMES:

CS2463.1: Enable students for understanding the importance of computers in business

CS2463.2: Understand about the graphical data, digital computer and how it will be displaying the images

CS2463.3: enable the students to understand about the storage of datas.

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CS2463.1	2	1	2	2	0	2	0
CS2463.2	2	2	1	1	2	1	2
CS2463.3	0	2	1	2	1	2	1
Average	2.00	1.67	1.33	1.67	1.5	1.67	1.5




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TITLE OF THE COURSE/ PAPER	BUSINESS ECONOMICS	code	CO2102
CORE	I Year & First Semester	Credit:	4
<u>COURSE OBJECTIVES</u>	<ol style="list-style-type: none"> To relate economic theory with modern business practices. To make the students learn the importance and application of economic analysis to business decision making. 		
COURSE OUTLINE	<p>Unit1:</p> <p>Introduction to Economics – Wealth, Welfare and Scarcity Views on Economics – Positive and Normative Economics. Definition – Scope and Importance of Business Economics Concepts : Production Possibility frontiers – Opportunity Cost – Accounting Profit and Economic Profit – Incremental and Marginal Concepts – Time and Discounting Principles – Concept of Efficiency.</p> <p>Unit-2:</p> <p>Demand and Supply Functions. Meaning of Demand – Determinants and Distinctions of demand – Law of Demand – Elasticity of Demand – Demand Forecasting – Supply concept and Equilibrium.</p> <p>Unit 3:</p> <p>Consumer Behaviour ; Law of Diminishing Marginal utility – Equimarginal Utility – Indifference Curve – definition, Properties and equilibrium.</p> <p>Unit-4:</p> <p>Production Law of Variable Proportion – Law of Returns to Scale – Producer’s equilibrium – Economies of Scale – Cost Classification – Break Even Analysis.</p> <p>Unit-5 :</p> <p>Product Pricing – Price and Output Determination under Perfect Competition, Monopoly – Discriminating monopoly – Monopolistic Competition – Oligopoly – Pricing objectives and Methods.</p>		




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REFERENCE	<p>1. Recommended Texts Dr.Radha-Business Economics -Prasanna Publishers</p> <p>2. Reference Books</p> <ol style="list-style-type: none"> 1. S.Shankaran, Business Economics - Margham Publications - Chennai-17 2. P.L.Mehta, Managerial Economics - Analysis, Problems & Cases - Sultan Chand& Sons - New Delhi - 02. 3. Francis Cherunilam, Business Environment – Himalaya Publishing House - Mumbai - 04. 4. Peter Mitchelson and Andrew Mann, Economics for Business - ThomasNelson Australia -Can004603454. 5. C.M.Chaudhary, Business Economics - RBSA Publishers - Jaipur -03
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COURSE OUTCOMES:

CO2102.1: To know the meaning,definitions and various concepts in economics

CO2102.2:To know the meaning ,law and elasticity of demand and supply

CO2102.3:To know about the consumer behavior ,law of diminishing marginal utility and indifference curves

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2102.1	2	1	3	2	3	3	2
CO2102.2	2	3	1	3	1	1	2
CO2102.3	3	2	2	1	2	2	1
Average	2.33	2.00	2.00	2.00	2.00	2.00	1.67




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SEMESTER II

TITLE OF THE COURSE/ PAPER	ADVANCED FINANCIAL ACCOUNTING		
CORE	I Year & Second Semester	Credit4	Code CO2105
<u>COURSE OBJECTIVES</u>	<p>1. To enable the students to get a comprehensive understanding of the Financial Accounting.</p> <p>2. To make the students know the various methods of maintaining the accounting records in various forms of business.</p>		
COURSE OUTLINE	<p>Unit1:Branch Accounts</p> <p>Dependent Branches – Stock and debtors System – Distinction between Wholesale Profit and Retail Profit – Independent Branches (Foreign Branches excluded).</p>		
	<p>Unit-2:Departmental Accounts</p> <p>Basis of Allocation of Expenses – Calculation of Profit – Inter - departmental Transfer at Cost or Selling Price.</p>		
	<p>Unit 3: Hire Purchase And Instalment System</p> <p>Hire Purchase System – Default and repossession – Hire Purchase Trading Account</p> <p>Installment System – Calculation of Profit.</p>		
	<p>Unit-4: Partnership Accounts</p> <p>Admission of a partner – Retirement of a Partner – Death of Partner</p>		
	<p>Unit-5 : Partnership Accounts</p> <p>Dissolution of a Partnership Firm – Insolvency of a Partner – Insolvency of all Partners- Piece meal Distribution of cash in case of Liquidation of Partnership Firm.</p>		




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REFERENCE	1. Recommended Texts T.S. Reddy & A. Murthy – Financial Accounting 2. Reference Books 1. Shukla & Grewal – Advanced Accounting 2. Jain & Narang – Financial Accounting 3. P.C. Tulsian – Financial Accounting 4. S. Parthasarathy & A. Jaffarulla – Financial Accounting 5. R.L. Gupta & Radhaswamy – Advanced Accounting – Volume I
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COURSE OUTCOMES:

CO2105.1: To know how to calculate branch accounts under various methods


CO2105.2: To know how to allocate expenses of various departments.

CO2105.3: To understand how to do calculation of hire purchase and installment system.

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2105.1	3	1	2	2	2	2	1
CO2105.2	2	3	2	3	3	3	3
CO2105.3	1	3	3	3	2	2	3
Average	2.00	2.33	2.33	2.67	2.33	2.33	2.33




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TITLE OF THE COURSE/ PAPER	INDIAN ECONOMY		
CORE	I Year & Second Semester	Credit: 4	Code:CO2107
<u>COURSE OBJECTIVES</u>	<p>1. To identify and explain economic concepts and theories related to the behavior of economic agents, markets, industry and firm structures, legal institutions, social norms, and government policies.</p> <p>2. To Understand the economic issues and problems faced by individuals, organizations and society,</p> <p>3. To understand the 5 years plans and their implementation usage</p>		
COURSE OUTLINE	<p>Unit1:</p> <p>Economic growth and economic Development – Features of economic development – Indicators of economic development – National Income – Basic concepts and computation of National Income.</p> <hr/> <p>Unit-2:</p> <p>Major problems of Indian Economy – Poverty – Inequalities – Unemployment – Population Transport & Foreign Trade.</p> <hr/> <p>Unit 3:</p> <p>Agriculture – Contribution to economic development – green Revolution – irrigation – Minor, Medium, Major irrigation works. Land Reforms-Food policy and public Distribution System.</p> <hr/> <p>Unit-4:</p> <p>Industry – Role of industries in economic development – Large and Small scale Industries – New Economic policy 1991.</p>		





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	<p>Unit-5 :</p> <p>Five Year plans in India – Achievements and failures – Economic development under Five year Plans</p>
REFERENCE	<p>1.Recommended Texts</p> <p>Indian economy -Dr T Arya mala ,A.R. Publications</p> <p>2. Reference Books</p> <ol style="list-style-type: none"> 1. RuddarDatt&K.P.M. Sundharam, Indian Economy - S.Chand& Sons - New Delhi. 2. K.N. Agarwal, Indian Economy - Problem and Development of Planning -WishwaPrakasan –New Age of InternationalLtd. 3. S.K.Misra&V.K.Puri, Indian Economy - Its Development - Himalaya Publishing House – Mumbai

COURSE OUTCOME

CO2107.1: To know about the growth and development in the economy


CO2107.2:To know about the problems in an economy

CO2107.3:To gain knowledge about the agriculture and its technologies

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2107.1	3	3	3	2	2	2	2
CO2107.2	1	2	2	3	2	2	3
CO2107.3	3	2	2	3	3	3	3
Average	2.33	2.33	2.33	2.67	2.33	2.33	2.67




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SEMESTER III

TITLE OF THE COURSE/ PAPER	CORPORATE ACCOUNTING - I		
CORE	II Year & Third Semester	Credit: 4	Code : CO2109
<u>COURSE OBJECTIVES</u>	<p>1. To enable the students about the preparation of the company accounts.</p> <p>2. To motivate the students to understand the various provisions of the companies Act.</p>		
<u>COURSE OUTLINE</u>	<p>Unit1:Share capital</p> <p>Issue of shares –types of shares- Forfeiture of shares –reissue of shares-Underwriting of shares-stock split-Meaning of redemption- redemption of preference shares</p> <hr/> <p>Unit-2: Debentures& Acquisition of Business</p> <p>Meaning –types of debentures-issue- underwriting of debentures - redemption of debentures . Acquisitionof Business-Meaning-Profit to incorporation.</p> <hr/> <p>Unit 3: Final Accounts</p> <p>Final accounts –Preparation of P&L A/C and balance sheet- Managerial Remuneration Calculation and Legal Provisions.</p> <hr/> <p>Unit-4: Valuation of share and goodwill</p> <p>Valuation of shares and goodwill-Meaning –Methods of valuation of shares and goodwill</p> <hr/> <p>Unit-5 : Alteration Reconstruction of share capital</p> <p>Meaning –Internal Reconstruction-Reduction of share capital.</p>		
<u>REFERENCE</u>	<p>1.Recommended Texts</p> <p>1.ReddyT.S &Murthy,A.corporate accounting, MarghamPublications,Chennai</p> <p>2.Reference Books</p> <p>1.Gupta,R.L&Radhaswamy,M.Advancedaccounts,Sulthanchand,Newdelhi</p> <p>2. Jain,S.P&Norang,N.L, Advanced accunting ,Kalyani Publications.</p>		



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COURSE OUTCOME

CO2109.1: Understand the basics of shares


CO2109.2: Understand the debentures, acquisition of debentures and profit prior to incorporation

CO2109.3: To know how to calculate final accounts of the company and managerial remuneration

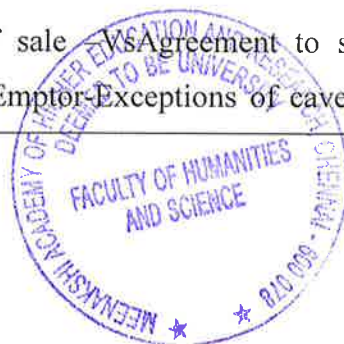
Mapping Function of PO's and CO's & PSO's


Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2109.1	3	1	2	2	2	2	2
CO2109.2	3	3	2	2	2	3	3
CO2109.3	1	2	3	3	3	3	3
Average	2.33	2.00	2.33	2.33	2.33	2.67	2.67




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TITLE OF THE COURSE/ PAPER	BUSINESS LAWS		
CORE	II Year & Third Semester	Credit: 4	Code: CO2110
<u>COURSE OBJECTIVES</u>	<p>1.To highlight the Provisions of law governing the general contract and special contract.</p> <p>2.To enable the students to understand the legal remedies available in the law to the business and other people.</p>		
COURSE OUTLINE	<p>Unit 1: Formation of contract</p> <p>Indian contract act –formation –Nature and Elements of contract –Classification of contract Vs Agreement .</p> <hr/> <p>Unit-2: ; Offer of Acceptance and consideration</p> <p>Offer-definition –Forms of offer-Requirements of Valid offer.Acceptance-Meaning-Legal rules as to a Valid Acceptance.Consideration –Definition-Types –Essentials.</p> <hr/> <p>Unit 3: Other Elements of valid contract</p> <p>Capacity of Parties –Definition –Persons competent to contract.Free consent – coercion –Undue Influence-Fraud Misrepresentation-Mistake Legality of Object – Void aggrements-Unlawful Aggrements.</p> <hr/> <p>Unit-4: Performance of contract</p> <p>Performance of contracts-Actual Performance-attempted Performance-Tender,Quasi contract-Definition and Essentials .Dischage of contract-Modes of Discharge-Breach of contract-Remedies available for Breach of contract.</p> <hr/> <p>Unit-5 ; Sale Of Goods Act</p> <p>Sale -contract of sale VsAgreement to sell-Meaning of goods-conditions and warranty-Caveat Emptor-Exceptions of caveat emptor-Buyer and seeler of goods-</p>		




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	unpaid seller- Definition-Rights of an unpaid seller
REFERENCE	<p>1.Recommended Texts</p> <p>1.Dr .J.Jayankar,BusinessLaw,Margham Publications</p> <p>2.Reference Books</p> <p>1.Balachandran.V&Thothadri.S.Business law,Vijay Nicole imprints Pvt.Lts.Chennai</p> <p>2.Kaboor N.D. Business laws ,Sulthanchand and sons.</p> <p>3.Sreenivasan,M.R. Business laws ,Margam Publications</p> <p>4.Dhandapani,M.V. . Business laws, Sulthanchand and sons.</p> <p>5.Badre Alam,S.&Saravanel,P.Mercantile law</p> <p>6.Pillai, R.S.N&Chand,S. . Business laws,S. chand&co ,Delhi</p> <p>7.Ramaswamy,K.N, S. Business laws chand&co ,Delhi</p> <p>8.Shukla,M.C, Business laws chand&co ,Delhi</p>

COURSE OUTCOME

CO2110.1: Understand the acts of the contract its nature and formation


CO2110.2: To know about the offer acceptance and consideration

CO2110.3: To learn the capacities of various parties to the contract

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2110.1	3	1	2	2	2	2	2
CO2110.2	3	3	2	2	2	3	3
CO2110.3	1	2	3	3	3	3	3
Average	2.33	2.00	2.33	2.33	2.33	2.67	2.67




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TITLE OF THE COURSE/ PAPER	COMPUTERISED ACCOUNTING		
CORE	II Year & Third Semester	Credit: 4	Code CA2201
<u>COURSE OBJECTIVES</u>	<p>1. To develop the skills of students to prepare accounting statements using accounting software</p> <p>2. To cover the basic financial statement analysis with the help of computers.</p>		
<u>COURSE OUTLINE</u>	<p>Unit 1: 1</p> <p>Introduction – Features – Basic Concept of Computerized Accounting and Inventory System – Accounts Organization & Types Of Accounts – Account Statements – Purchases & Sales – Credit & Debit – Transaction, Invoice, Voucher, Order, Cost & Stock – Income & Expenses – Inventory Control.</p> <p>Unit-2:</p> <p>Masters – Creation of Accounts Master – Ledger – Cost – Group – Budgets – Voucher & Inventory – Creation of Inventory Master – Stock Item – Group & Unit Measurement.</p> <p>Unit 3:</p> <p>Transactions – Accounts Vouchers Entry – Receipt – Payment – Journal – Debit & Credit Notes – Sales, Purchase Option and Post-Date Vouchers. Inventory Voucher Entry – Types - Delivery Chelan – Goods Receipt Note, Sales & Purchase Returns – Invoice – Stock Transfer – Bill of Material Physical Stock Voucher.</p> <p>Unit-4:</p> <p>Reports – Accounting Report – Trial Balance – Profit & Loss Account – Balance Sheet & Stock Statement – Account Books – Cash & Bank Books – Ledger Summaries - Bills Receivable & Payable Statements.</p> <p>Unit-5</p> <p>Inventory Report – Stock Summaries – Group Summaries – Order Books & Summary – Order Status – Sales Order Summary - Purchase Order Summary – Printing – Reportson Printer – ReportstoFile.</p>		




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REFERENCE	REFERENCE BOOKS: 1. K.K. Nidhani, Implementing Tally 2. Namrata Agarwal, "Financial Accounting using Tally", Dreamtech Publishers, List of Practical's 1. Company Creation and Account Configuration 2. Account Classification and Accounts Master 3. Balance Sheet 4. Profit and Loss Account 5. Trail Balance 6. Stock Items and Reorder Level 7. Purchase and Sales Orders 8. Invoice Entry 9. Inventory. 10. Books of Accounts
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COURSE OUTCOME

CA2201.1 Familiarise with concept of computerised accounting.

CA2201.2 Understand the concepts of master, inventory and voucher.

CA2201.3 State the importance of transactions and how to make a voucher entries for transactions

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CA2201.1	2	2	3	3	3	3	3
CA2201.2	3	1	2	3	2	2	3
CA2201.3	1	2	3	2	3	3	2
Average	2.00	1.67	2.67	2.67	2.67	2.67	2.67




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TITLE OF THE COURSE/ PAPER	OBJECT ORIENTED PROGRAMMING USING C++		
CORE	II Year & Third Semester	Credit: 4	Code: CS2491
<u>COURSE OBJECTIVES</u>	This course introduces the basic concepts of object oriented programming using C++		
COURSE OUTLINE	<p>Unit1: 1</p> <p>Principles of Object Oriented Programming, Object-Oriented Paradigm. Advantages - OopsConcepts–OopsLanguages- IntroductiontoC++;Tokens,Keywords,Identifiers, Variables,Operators,Manipulators,Expressions</p> <hr/> <p>Unit-2:</p> <p>Control Structures - Pointers - Functions -Main Function -Function Prototyping -ParametersPassingInFunctions-ValuesReturnbyFunctions-Inline Functions-Friend andVirtualFunctions.</p> <hr/> <p>Unit 3:</p> <p>Classes and Objects; Constructors and Destructors; and Operator Overloading and Type Conversions - Type of Constructors - Function overloading.</p> <hr/> <p>Unit-4:</p> <p>Inheritance: Single Inheritance -Multilevel Inheritance - MultipleInheritance-Hierarchical Inheritance -Hybrid Inheritance. Virtual Functions and Polymorphism; Managing Console I/O Operations.</p> <hr/> <p>Unit-5</p> <p>Working with Files: Classes for File Stream Operations - Opening and Closing a File - End-of-File Deduction - File Pointers - Updating a File - Error Handling during File Operations - Command- line Arguments.</p>		




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REFERENCE	<p>REFERENCE BOOKS:</p> <ol style="list-style-type: none"> 1. E.Balagurusamy,1995,ObjectOrientedProgrammingwithC++,TataMcGraw-Hill PublishingCompanyLtd. 2. H.SchildtC++theCompletereference. TMH.1998 <p>List ofPractical's</p> <ol style="list-style-type: none"> 1. Simple programs like Area of a circle and square and Temperature conversion,to revise C++ fundamentals 2. Constructor and constructor overloading 3. Function overloading 4. Operator overloading 5. Inheritance, multiple inheritances 6. Virtual Functions andPolymorphism. 7. Text fileprogram
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COURSE OUTCOME

CS2491.1 Familiarise with concept of C++.

CS2491 .2 Understand the concepts of Classes, objects in C++.

CS2491.3 State the importance of overloading, conversionsin C++

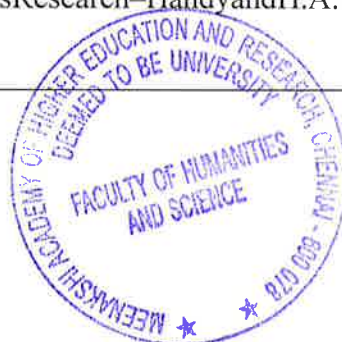
Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CS2491.1	2	3	3	2	3	2	2
CS2491.2	2	2	2	2	2	3	3
CS2491.3	3	3	2	2	3	3	3
Average	2.33	2.67	2.33	2.00	2.67	2.67	2.67



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TITLE OF THE COURSE/ PAPER	BUSINESS STATISTICS AND OPERATION RESEARCH -I		
CORE	II Year & Third Semester	Credit: 4	Code MA2566
<u>COURSE OBJECTIVES</u>	1. To provide a theoretical appreciation and uses of the science of statistics to make better business decisions. 2. To know about the network connection problems..		
<u>COURSE OUTLINE</u>	Unit1: 1 Introduction – Classification and Tabulation of Statistical Data - Diagrammatic and Graphical Representation of Data. Unit-2: Measures of Central Tendency – Mean, Median and Mode – Dispersion, Range, Quartile Deviation, Mean Deviation, Standard Deviation – Measures of Skewness. Unit 3: Correlation – Karl Pearson's Coefficient of Correlation – Spearman's Rank Correlation – Regression Lines and Coefficients. Unit-4: Introduction to OR – Linear Programming – Graphical and Algebraic Solution (Simple Problems only) Unit-5 Network Analysis - PERT and CPM (no crashing)		
<u>REFERENCE</u>	REFERENCE BOOKS <ol style="list-style-type: none"> Statistical Methods–S.P.Gupta,Sultan Chand&Sons. Introduction to Operations Research–Dr.P.R.Vittal,Margham Publications Fundamentals of Statistics-Elhance D.N.Kitab Mahal Operations Research–Hira and Gupta,S.Chand&Co. Operations Research–Handy and H.A.Taha,Macmillan Publishers. 		



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COURSE OUTCOME

MA2566.1 – Get highly familiarized with the concepts of statistics


MA2566.2 – Application of measures of average, median and mode

MA2566.3 – Knowledge of Range and standard deviation

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
MA2566.1	3	2	3	3	3	1	2
MA2566.2	2	1	2	3	2	2	3
MA2566.3	3	3	2	2	2	3	2
Average	2.67	2.00	2.33	2.67	2.33	2.00	2.33





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SEMESTER IV

TITLE OF THE COURSE/ PAPER	CORE COURSE IX : ADVANCED CORPORATE ACCOUNTING		
CORE	II Year & Fourth Semester	Credit: 4	Code CO2115
<u>COURSE OBJECTIVES</u>	<p>1.to make the students understand the application of accounting transactions in corporate sector</p> <p>2. to facilitate the students to understand the provision of the Indian Companies Act</p>		
<u>COURSE OUTLINE</u>	<p>Unit1:COMPANY ACCOUNTS</p> <p>Amalgamations , absorption and External Reconstruction of Companies</p> <hr/> <p>Unit-2: ; HOLDING COMPANY</p> <p>Holding Company – Subsidiary company- Meaning – Preparation of consolidated Final Statements of Accounts- Treatment of Dividend.(Inter-Company Owing excluded)</p> <hr/> <p>Unit 3: BANKING COMPANY & INSURANCE COMPANY</p> <p>Preparation of – Final Accounts of Banking insurance Com-panies.</p> <hr/> <p>Unit-4:LIQUIDATION</p> <p>Meaning – preparation of liquidator’s Final Statement of Account- Calculation of Liquidator’s Remuneration.</p> <hr/> <p>UNIT 5: Special Accounting</p> <p>Accounting for price level Changes – Human Resources Accounting-Computerized Accounting Meaning</p>		




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REFERENCE	1.Recommended Texts
	1.Reddy T.S & Murthy, A.corporate accounting, Margham Publications, Chennai
	2.Reference Books
	1. R.L.Gupta and M. Radhaswamy Advanced Accounting, Sultan Chand & Sons, New Delhi.
	2. T.S.Reddy & A.Murthy Corporate Accounting, Margham Publications, Chennai.
	3. S.P.Jain and K.L. Narang Advanced Accounts – Kalyani Publishers.
	4. M.C. Shukla and J.S. Grewal Advanced Accounts, S.Chand and Company, New Delhi.
	5. M.A.Arulanandam and K.S.Raman Corporate Accounting
	6. S.N. Maheswari Advanced Accountancy

COURSE OUTCOME

CO2115.1: To enable the students to understand about the existing companies are Amalgamated, absorbed, reconstructed and how to maintained their accounts

CO2115.2: To make the students to understand the treatment of accounts for the holding companies

CO2115.3: To make the students to learn the preparation of final accounts of banking and insurance companies.

Mapping Function of PO's and CO's & PSO's

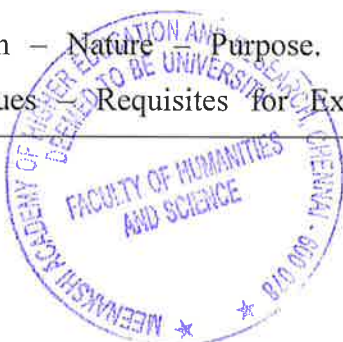
Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2115.1	2	1	3	1	2	2	2
CO2115.2	3	2	2	2	2	3	3
CO2115.3	2	3	1	3	1	1	2
Average	2.33	2.00	2.00	2.00	1.67	2.00	2.33



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TITLE OF THE COURSE/ PAPER	PRINCIPLES OF MANAGEMENT		
CORE	II Year & Fourth Semester	Credit: 4	Code : MS2301
<u>COURSE OBJECTIVES</u>	<ol style="list-style-type: none"> 1. To make the students to understanding the basic concepts of Management. 2. to prepare the students to know about the significance of the management in business 		
COURSE OUTLINE	<p>Unit1:Introduction</p> <p>Definition – Importance – Nature and Scope of Management – Process of Management – Role and functions of Managers – Levels of Management – Scientific Management – Contributions Management by different schools of thought.</p> <p>Unit-2: Planning</p> <p>Nature – Importance – types of Planning – Steps in Planning – Objective of Planning – Policies – Decision making Process – Types of Decisions.</p> <p>Unit 3: Organisation</p> <p>Meaning and Types of organisation – Principles – Formal and Informal organisation – Organisation Structure – Span of Control – Departmentalisation – Basis – Meaning and Importance of Departmentalisation. Polices – Meaning and Types – procedures – Forecasting.</p> <p>Unit-4: Authority and Responsibility</p> <p>Authority – Definition – Sources – Limitations – Different between Authority and Responsibility – Delegation of Authority – Meaning – Principles and importances – Centralisation Vs Decentralisation.</p> <p>Unit-5 :Direction Co-ordination & Control</p> <p>Direction – Nature and Purpose. Co-ordination – Need – Types and Techniques – Requisites for Excellent Co-ordination. Controlling –</p>		



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	Meaning – Importance – Control Process.
REFERENCE	<p>1.Recommended Texts</p> <p>Principles of management-DrJ.Jayasankar</p> <p>2. Reference Books</p> <p>1.Gupta, C.B.Management Theory & Practice, Sulthan Chand & Sons, New Delhi.</p> <p>2.Prasad, L.M. Principles & Practice of Management, Sultan Chand & Sons, New Delhi.</p> <p>3.Tripathi , P.C. & Reddy, P.N.Principles of Managements, Tata Mac. Graw Hill, New Delhi.</p> <p>4.Weihrich and Koontz, Management – A Global Perspective.</p> <p>5.N.Premavathy, Principles of Management, sriCishnu Publications, Chennai.</p> <p>6.Jayasankar, J.Business Management, Margham Publication, Chennai.</p> <p>7.Sundar, K. Principles of Mangement, Vijay Nicole Imprints Pvt.Ltd., Chennai.</p>

COURSE OUTCOMES:

MS2301.1: To know about the nature,process,and levels of management.

MS2301.2:To know about the nature,importance, types and steps in planning and decision making process.

MS2301.3:To know about the organization, Depart mentation,policies and procedures

Mapping Function of PO's and CO's & PSO's


Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
MS2301.1	3	2	2	3	3	2	3
MS2301.2	3	3	3	2	1	2	2
MS2301.3	3	1	1	1	2	1	2
Average	3.00	2.00	2.00	2.00	2.00	1.67	2.33



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TITLE OF THE COURSE/ PAPER	E-COMMERCE		
CORE	II Year & Fourth Semester	Credit: 4	Code:CA2202
<u>COURSE OBJECTIVES</u>	<p>1. To enable the student to understand the technology of E-Commerce for business application.</p> <p>2. After the successful completion of the course the student must be aware of techniques in the application of E-commerce.</p>		
COURSE OUTLINE	<p>Unit-1: Introduction To E-Commerce - Traditional Commerce - E-Commerce - International E-Commerce-TheInternet-OriginofInternet-NewUserforTheInternet-Commercial UseofTheInternet-GrowthOfInternetAndWeb-EconomicForcesAndE-Commerce- Transaction Cost And Role Of E-Commerce - Value Chains in E-Commerce - Strategic BusinessUnitValueChaininE-Commerce-IndustryValueChains- RoleofE-Commerce.</p> <hr/> <p>Unit-2: Client - Server - Emerging Client Server - World Wide Web As The Architect - Web Background - Hyper Text Publishing - Technology Behind Web - Security Threats - NetworkSecurity-DataAndMessageSecurityAndTheWeb-ElectronicPaymentSystem - Electronic Cash - Electronic Wallets - Smart Cards - Credit and Change Cards.</p> <hr/> <p>Unit 3: Strategies For Marketing Sales and Promotion - Creating an Effective Web Presence - Identifying And Reaching Customers - Creating And Maintaining Brands on The Web - Business Models for Selling on the Web</p>		




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	<p>Unit-4:</p> <p>ElectricDataInterchange-EDIApplicationsinBusiness- EDILegalSecurityandPrivacy Issues - Types of Digital Documents - Issues Behind Documents - Infrastructure - CorporateDataWarehouse</p> <p>Unit-5 :</p> <p>Business Plans For Implementing E-Commerce - Planning The E- Commerce Project SettingObjectives- InternalDevelopmentandOutsourcing-SelectingaHostingService- ManagingE-CommerceImplementationProjectManagement- StaffingtheOperations- PostImplementationAudits</p>
<p>REFERENCE</p>	<p>RECOMMENDED TEXT:</p> <p>1.Dr. K. Abirami Devi, Dr. M.Alagammai – margham publication</p> <p>REFERENCE BOOKS</p> <ol style="list-style-type: none"> 1. David Kosiur - Understanding E-Commerce 2. Kosiur - Understanding Electronic Commerce - PHI/Microsoft Press 3. PT Joseph - Electronic Commerce - Prentice-Hall ofIndia 4. Gary P Schneider and James T Perry - ElectronicCommerce 5. Pete Loshin& Paul A. Murphy - ElectronicCommerce 6. AnanthiSheshasaayee and Sheshasaayee - Computer Application in Businessand Management 7. Awad- Electronic Commerce - Prentice-Hall ofIndia




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COURSE OUTCOME

CA2202.1: To make the students to understand the concept of E-Commerce.

CA2202.2:To make the students to understand about the electronic payment system

CA2202.3: To understand the concept of web presence and to create web .

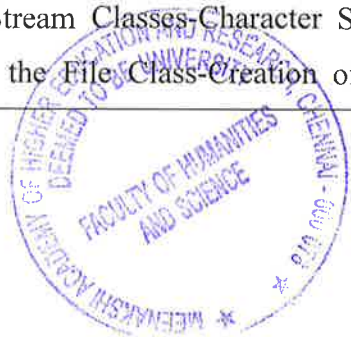
Mapping Function of PO's and CO's & PSO's


Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CA2202.1	2	1	1	2	2	2	3
CA2202.2	2	3	2	2	3	2	2
CA2202.3	3	2	3	3	1	2	2
Average	2.33	2.00	2.00	2.33	2.00	2.00	2.33



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TITLE OF THE COURSE/ PAPER	<u>PROGRAMMING IN JAVA</u>		
CORE	II Year & Fourth Semester	Credit: 4	Code: CS2492
<u>COURSE OBJECTIVES</u>	1.To introduce the programming techniques in C C++ 2. To learn the Programming concept of Java		
COURSE OUTLINE	<p>Unit1:</p> <p>Introduction to Java-Features of Java-Basic Concepts of Object Oriented Programming-Java Tokens-Java Statements-Constants-Variables-Data Types- Type Casting-Operators-Expressions-Control Statements: Branching and Looping Statements.</p> <hr/> <p>Unit-2:</p> <p>Classes, Objects and Methods-Constructors-Methods Overloading-Inheritance- Overriding Methods-Finalizer and Abstract Methods-Visibility Control –Arrays, Strings and Vectors-String Buffer Class</p> <hr/> <p>Unit 3:</p> <p>Interfaces-Packages-Creating Packages-Accessing a Package-Multithreaded Programming-CreatingThreads- StoppingandBlockingaThread-LifeCycleofaThread- UsingThreadMethods-ThreadPriority</p> <hr/> <p>Unit-4:</p> <p>Managing Errors and Exceptions-Syntax of Exception Handling Code-Using Finally Statement-Throwing Our Own Exceptions-Applet Programming-Applet Life Cycle- Graphics Programming- Managing Input/Output Files: Concept of Streams-Stream Classes-Byte Stream Classes-Character Stream Classes – Using Streams-Using the File Class-Creation of Files-Random Access</p>		




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	Files-Other Stream Classes
	Unit-5 : Introducing the AWT: Working with Windows, Graphics and Text- AWT Classes- Working with Frames- Working with Graphics- Using AWT Controls, Layout Managers and Menus.
REFERENCE	BOOKS FOR STUDY 1. E. Balagurusamy, 2004, Programming with JAVA, 2 nd Edition, Tata McGraw-Hill Publishing Co.Ltd REFERENCE BOOKS: 1. Cay S. Horstmann, Gray Cornell. Core java 2 Volume I. Fundamentals, 5 th Ed. PHI, 2000. 2. P. Naughton and H. Schildt. Java2 (The Complete Reference). Third Edition, TMH 1999. 3. K. Arnold and J. Gosling. The Java Programming Language. Second Edition

Course Outcome:

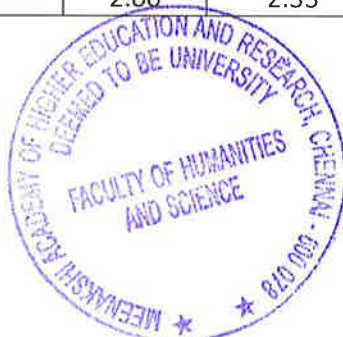
CS2492.1 Provide the critical aspects of Java programming


CS2492.2 Enable the students understand decision making

CS2492.3 State the interfaces in Java programming

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CS2492.1	2	1	2	2	2	2	3
CS2492.2	1	2	2	2	2	3	2
CS2492.3	3	3	3	3	2	2	2
Average	2.00	2.00	2.33	2.33	2.00	2.33	2.33




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TITLE OF THE COURSE/ PAPER	<u>BUSINESS STATISTICS AND OPERATION RESEARCH - II</u>		
CORE	II Year & Fourth Semester	Credit: 4	Code: MA2572
<u>COURSE OBJECTIVES</u>	<ol style="list-style-type: none"> 1. To provide a theoretical appreciation and uses of the science of statistics to make better business decisions. 2. To know about the assignment and transportation problems.. 		
COURSE OUTLINE	<p>Unit 1: Time series analysis – trend- Seasonal variation.</p> <hr/> <p>Unit-2: Index number – Aggregative and relation index – chain and fixed index- whole sale index – cost of living index</p> <hr/> <p>Unit 3: Probability – addition and multiplication theorem – conditional probability – bias theorem (without proof)- simple problems</p> <hr/> <p>Unit-4: Sampling techniques – types of sample and sampling procedures – Test of significance – normal, F and T test chi-square – simple problems</p> <hr/> <p>Unit-5 : Assignment and transportation problems</p>		
REFERENCE	<p>BOOKS FOR STUDY</p> <ol style="list-style-type: none"> 1. Statistical Methods–S.P.Gupta,SultanChand&Sons. 2. IntroductiontoOperationsResearch–Dr.P.R.Vittal,MarghamPublications 3.FundamentalsofStatistics-ElhanceD.N.KitabMahal 4.OperationsResearch–Hira andGupta,S.Chand&Co. 5.OperationsResearch–HandyandH.A.Taha,MacmillanPublishers. 		



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Course Outcome:

MA2572.1 Get highly familiarized with the concepts of analysis like time series, trend and seasonal analysis

MA2572.2 Enable the studentsto understand various index

MA2572.3 Knowledge of probability with simple problems

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
MA2572.1	2	3	2	2	2	2	3
MA2572.2	2	2	3	3	3	2	2
MA2572.3	3	2	1	2	1	2	2
Average	2.33	2.333333333	2	2.333333333	2	2.00	2.333333



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SEMESTER V

TITLE OF THE COURSE/ PAPER	FINANCIAL MANAGEMENT		
CORE	III Year & Fifth Semester	Credit: 4	Code: MS2305
<u>COURSE OBJECTIVE</u> <u>S</u>	<p>1. To impart the basics of Financial Management for the benefit of Commerce students.</p> <p>2. To enable the students to know the concepts of the Investment Financing and Working Capital.</p>		
COURSE OUTLINE	<p>Unit 1: Introduction</p> <p>Meaning and Objectives of Financial Management- Functions of financial management. Finance-Importance of Finance – Sources of Finance- Role of financial manager in financial management.</p> <hr/> <p>Unit-2: Capital Structure</p> <p>Meaning- Factors Affecting Capital Structure- Planning- Theories of Capital Structure-Determining Debt Equity Proportion- Leverage Concept.</p> <hr/> <p>Unit 3: Cost of Capital</p> <p>Definition-Cost of equity capital – Cost of preference capital – Cost of debt – Cost retained earnings – Weighted average (or) composite of capital (WACC).</p>		
	<p>Unit-4: Dividend</p> <p>Meaning- Dividend policies – Factors affecting dividend payment – Provisions on dividend payment in company law – Dividend models -Walter’s models- Gordon’s models – M.M.models -Hypothesis models.</p>		



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UNIT 5 : Working Capital

Working capital – Meaning and Importance- Factors influencing working capital- Determining (or) forecasting of working capital requirements- Working capital Operating Cycle.

REFERENCE BOOKS

1. Financial Management-I.M.Pandey,VikasPublishingHouse.
2. Financial Management–PrasannaChandra,TataMcGrawHill.
3. Financial Management–S.N.Maheswari,SultanChand&Sons
4. Financial Management–Y.KhanandJain,TataMcGrawHill.

COURSE OUTCOME

MS2305.1: To make the students to understand the concept of financial management

MS2305.2:To make the students to understand about the planning in capital structure

MS2305.3: To make the students to know about the calculation of cost of capital

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
MS2305.1	2	2	1	1	1	2	2
MS2305.2	1	2	2	2	2	3	2
MS2305.3	3	1	3	1	2	2	3
Average	2.00	1.67	2.00	1.33	1.67	2.33	2.33



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TITLE OF THE COURSE/ PAPER	MARKETING		
CORE	III Year & Fifth Semester	Credit: 4	Code MS2302
<u>COURSE OBJECTIVES</u>	<p>1. To give exposure to student to the conceptual framework of marketing.</p> <p>2. To facilitate students to understand the conceptual frame work of marketing and process of decision making under various environment constraints</p>		
COURSE OUTLINE	<p>Unit1: Introduction</p> <p>Marketing – Meaning – Definition and Functions of Marketing – Marketing Orientation Role and Importance of Marketing – Classification of Markets.</p> <hr/> <p>Unit-2: ; Market Segmentation And Consumer Behaviour</p> <p>Market Segmentation – Concept – Benefits – Basis and Levels . Introduction to Consumer Behaviour- Need for Study – Consumer Buying Decision process – Buying Motives – Marketing Research- MIS – Meaning and Differences</p> <hr/> <p>Unit 3: Marketing Mix And Product Policy</p> <p>Marketing Mix – Meaning – Product – Introduction – Product Policy – Product Planning- Stages of New product Development – Introduction to PLC – Packaging – Branding – Labelling – Product Mix – Price –Pricing Policies and Methods.</p> <hr/> <p>Unit-4: Channels Of Distribution</p> <p>Channels of Distribution – Levels – Channel Members – Promotion – Communication Mix- Basis of Advertising , Slaes Promotion and Personal Selling.</p> <hr/> <p>Unit – 5: RECENT TRENDS IN MARKETING</p> <p>E-Marketing – Online Retailing – Shopping Malls – Consumer Protection Act- Salient Features – Consumerisation – Consumer Rights, Consumer Grievance Redressal Forums – Role of Social Media in Marketing.</p>		



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TITLE OF THE COURSE/ PAPER	BANKING AND FINANCIAL SERVICES
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	<p>REFERENCES</p> <ol style="list-style-type: none"> 1. RajanNair, Marketing, Sulthan Chand & Sons, NewDelhi 2. Varshney, Marketing Management, Sulthan Chand & Sons, NewDelhi 3. Chandrasekar K.S, Marketing Management: Text and Cases, Vijay Nicole Imprints, Chennai, 2014 4. Gandhi, J. C, Marketing, Himalaya Publications. 5. Radha, Marketing, Prasanna Publications, Chennai 6. Sandhanam, Marketing, Margham Publications,Chennai. 7. Sundar, K. Essentials of Marketing, Vijay Nicole Imprints Pvt, Ltd.,Chennai.
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COURSE OUTCOME

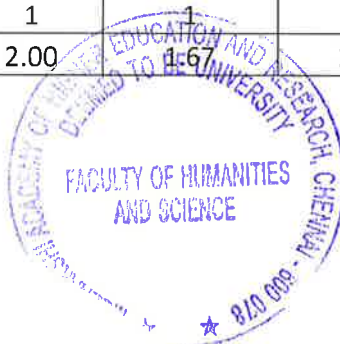
MS2302.1: To enable the students to learn meaning, functions and classification of marketing

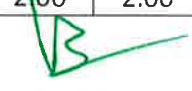
MS2302.2: To make the students to understand segmentation of marketing ,consumer behavior, marketing research and the buying motive of the consumer

MS2302.3: To make the students to understand the marketing mix and Product policy

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
MS2302.1	2	3	2	2	2	2	3
MS2302.2	1	2	2	3	3	2	2
MS2302.3	2	1	1	1	2	2	1
Average	1.67	2.00	1.67	2.00	2.33	2.00	2.00




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CORE	III Year & Fifth Semester	Credit: 4	Code CO2123
<u>COURSE OBJECTIVES</u>	1.	To facilitate the understanding of the growth of the Indian Banking System.	
<u>YES</u>	2.	To Understand the Modern day Developments in Indian Banking Sector.	
COURSE OUTLINE	Unit1:	Banking Regulation Act, 1949 (Definition of Banking, Licensing, opening of branches, Functions of Banks, Inspection) – Role of RBI and its functions.	
	Unit-2:	Commercial Banks – Functions – Accepting Deposits – Lending of Funds, E-Banking, ATM Cards, Debit Cards, Personal Identification Number – Online Enquiry and update facility – Electronic Fund Transfer – Electronic Clearing System.	
	Unit 3:	Opening of an Account – Types of Deposit Account – Types of Customers (Individuals, Firms, Trusts, and Companies) – Importance of Customer Relations – Customer Grievances and Redressal – Ombudsman.	
	Unit-4:	Financial Services – Types of Financial Services – Financial Services and Economic Environment – Players in Financial Services Sector. Merchant Banking – Functions – Issue Management – Managing of New Issues – Underwriting – Capital Market – Stock Exchange – Role of SEBI	
	UNIT 5 :	Mutual Funds: Meaning – Types – Functions – Advantages – Institutions Involved – UTI – Factoring – Functions of Factor.	



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REFERENCES	<p>TEXT BOOKS:</p> <ol style="list-style-type: none"> 1. Banking Law, Theory and Practice – Sundaram&Varshney– Sultan Chand Co., 2. Banking Law, Theory and Practice- S.N. Maheswari, KalyaniPublications. 3. Banking Law Theory and Practice – Sherlaker&Sherlaker. 4. Financial Services – M.Y.Khan 5. Financial Services – B.Santhanam
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Course Outcome:

CO2123-1 To enable the students to understand about the banking regulation act, role of RBI and its functions

CO2123-2To give exposure to students on the functions of commercial banks .

CO2123-3to provide information about how to open a bank account on various deposits

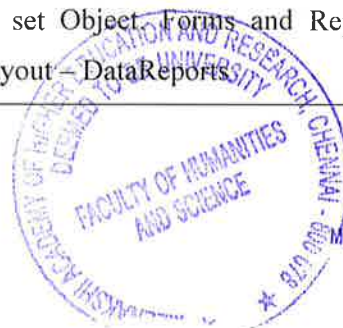
Mapping Function of PO's and CO's & PSO's


Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2123-1	2	2	3	1	2	2	2
CO2123-2	3	3	2	2	1	1	1
CO2123-3	1	3	1	3	3	3	3
Average	2.00	2.67	2.00	2.00	2.00	2.00	2.00



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TITLE OF THE COURSE/ PAPER	VISUAL BASIC AND RELATIONAL DATABASE MANagementsystems		
CORE	III Year & Fifth Semester	Credit: 4	Code CS2493
<u>COURSE OBJECTIVES</u>	To study the Visual Basic Programming language and RDBMS concepts using Oracle		
COURSE OUTLINE	Unit1: Form –Form Property - Variables – Data Types – String – Numbers - Writing Simple Programs – Toolbox – Creating Controls – Name Property – Command Button – Access Keys – Image Controls – Text Boxes – Labels – Radio Buttons- Check Box - Frame- Message Boxes.		
	Unit-2: Displaying Information – Determinate Loops – Indeterminate Loops – Conditionals – Built-InFunctions(String,Numeric)– FunctionsandProcedures.Lists–Arrays–Controls Arrays–ComboBoxes– ProjectswithMultipleForms–Menus-MDIForms		
	Unit 3: Database Management System – Advantages – Components – Class Diagram – Events - Normalization – 1 NF – 2 NF – 3 NF		
	Unit-4: Oracle - An Introduction – SQL *Plus Environment – SQL – Logging into SQL *Plus – SQL*PlusCommands–Errors-OracleTables:DDL-NamingRulesAndConventions–Data Types–Constraints–CreatingOracleTable-DisplayingTableInformation–AlteringAn ExistingTable-Dropping,Renaming,TruncatingTable.		
	UNIT 5 : DML-InsertandSelectCommands-DataAccessTechniques:ADO– ConnectionObject– Record set Object,Forms and Reports: Design of Form and Report – Form Layout – DataReports		




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REFERENCE	<p>TEXT BOOKS:</p> <ol style="list-style-type: none"> 1. Gary Cornell. Visual Basic 6 from the Ground up. Tata McGraw Hill – 1999. (Ch 1,2) 2. G.V. Post ,”Data base Management Systems”, Tata McGraw Hill, 2000 (Ch 3,5) 3. DATABASE SYSTEMS USING ORACLE – Nilesh Shah, 2nd edition, PHI. (Ch 4, 5)
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Course Outcome:

CS2493-1 Provide understanding on Visual programming

CS2493-2 Enable the students apprehend the displaying information in

CS2493-3 State the advantages of DBMS

Mapping Function of PO's and CO's & PSO's


Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CS2493-1	2	1	2	2	1	3	3
CS2493-2	2	2	1	3	2	1	2
CS2493-3	1	3	1	2	1	2	1
Average	1.67	2.00	1.33	2.33	1.333333	2.00	2




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TITLE OF THE COURSE/ PAPER	INCOME TAX LAW AND PRACTICE-I		
CORE	III Year & Fifth Semester	Credit: 5	Code CO2124
<u>COURSE OBJECTIVES</u>	<ol style="list-style-type: none"> 1. To understand the basic concept of taxation 2. To help the students to understand the relevance and significance of tax 3. To Facilitate the students in understanding the Various Provisions I.T act 		
COURSE OUTLINE	Unit1:		
	Meaning of Income-Features of Income Tax-Types-Important definitions under the Income Tax Act-Assesses-Types-Rates of Tax-Residential Status-Scope of Total Income-Incomes Exempt from Tax.		
	Unit-2:		
	Definition-Allowances-Valuations of Perquisites-Deductions from salary-Gratuity-Pension- Computation of Pension-Leave Salary-Profits in lieu of Salary-Provident Funds-Deductions under Sec.80.		
Unit 3:			
Annual Value-Meaning and Computation-Deductions from Annual Value-Legal Provisions.			
Unit-4:			
Income from Business or Profession-Allowable expenses- Not Allowable expenses-General Deductions-Provisions relating to Depreciation-Deemed Business Profits-Undisclosed incomes-Investments-Compulsory maintenance of Books of accounts-Audit of Accounts of certain persons-Special provisions for Computing incomes on Estimated basis-Computation of Income from Business or profession.			




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UNIT 5 :

Assessment of Individuals (Covering Incomes Under Salary, House Property, Business or Profession Including Sec. 80C – Computation of Tax) – Filing of Return – Various Return Forms – Permanent Account Number (PAN) And Its Usage.

1. Reference Books

1. Dr. Vinod K. Singhania, Students Guide to Income Tax. Taxmann Publications Pvt. Ltd, New Delhi.

2. P. Gaur, D. B. Narang, Income Tax Law and Practice, Kalyani Publications.

3. T. S. Reddy, Y. Hari Prasad Reddy, Income Tax Theory Law and Practice, Margham Publication, Chennai

4. Dr. H. C. Mehrotra, Dr. S. P. Goyal, Income Tax Law And Practice, Sahitya Bhawan Publications, Agra.

5. Murthy .A Income tax law and practice, Vijay Nicole Imprints Pvt. Ltd. Chennai.

6. Hariharan .N tax law and practice, Vijay Nicole Imprints Pvt. Ltd. Chennai

COURSE OUTCOME

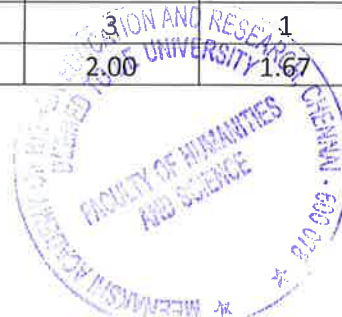
CO2124.1: To make the students to understand the concept of income tax

CO2124.2: To make the students to know the calculation of income from salary

CO2124.3: To make the students to know the calculation of income from house property.

Mapping Function of PO's and CO's & PSO's

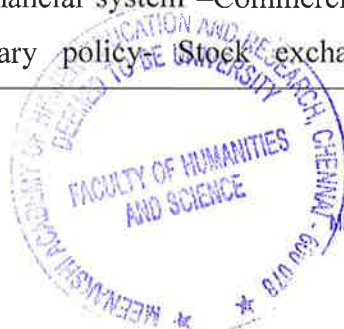
Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2124.1	2	1	2	2	2	2	1
CO2124.2	2	2	1	2	1	2	2
CO2124.3	3	3	1	1	3	2	3
Average	2.33	2.00	2.00	1.67	2.00	2.00	2.00




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SEMESTER VI

TITLE OF THE COURSE/ PAPER	BUSINESS ENVIRONMENT		
CORE	III Year & Sixth Semester	Credit: 4	Code MS2311
<u>COURSE OBJECTIVES</u>	<p>1.To understand the firm strategy in the business cycle.</p> <p>2. To analysis the effect of different firm strategies in the business cycle.</p>		
<u>COURSE OUTLINE</u>	<p>Unit1:INTRODUCTION</p> <p>The concept of Business Environment- Its Nature and Significance – Brief overview of Political, cultural,Legal,Economic,Sócial and Global Environments and Their impact on Business and Strategic Decisions</p> <hr/> <p>Unit-2:POLITICAL ENVIRONMENT</p> <p>Meaning- Government and Business Relationship In India- Provisions of Indian constitution pertaining to Business</p> <hr/> <p>Unit 3: SOCIAL ENVIRONMENT</p> <p>Meaning- cultural heritage- Social attitudes- Impact of foreign culture- Castes and Communities- Joint Family systems-Lingustic and Religious groups-Types of social Organization-Social Respsibilities of Business</p> <hr/> <p>Unit-4:ECONOMIC ENVIRONMENT</p> <p>Economic systems and impact on Business –Macro Economic parameters like GDP,Growth Rate Population- Urbanisation. Fiscal Deficit- Plan investment- Per Capita income and their impact on Business decisions- Five year planning</p> <hr/> <p>UNIT 5 : GLOBAL ENVIRONMENT</p> <p>Factors Determining Global Environment- Forex Environment – Financial Environment ,Financial system –Commercial Banks-Financial institutions- RBI- Monetary policy- Stock exchange –IDBI- Non</p>		




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	Banking Financial Companies (NBFCs)
	<p><u>REFERENCE BOOKS:</u></p> <ol style="list-style-type: none"> 1. Sankaran.S. – Business Environment, MarghamPublication 2. Francis Cherunilam – Business Environment – Himalaya Publishing House 3. Aswathappa – Business Environment, Himalaya Publishing House 4. Daasgupta&Sengupta – Government and Business in India. 5. Srinivasan.K. – Productivity and social Environment.

COURSE OUTCOME

MS2311.1: To make the students to understand the concept of business environment

MS2311.2:To make the students know about the political environment

MS2311.3: To make the students to know about the social environment

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
MS2311.1	2	1	3	3	2	1	2
MS2311.2	3	3	2	2	3	2	2
MS2311.3	1	0	0	1	1	1	2
Average	2.00	2.00	2.50	2.00	2.00	1.33	2.00



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TITLE OF THE COURSE/ PAPER	HUMAN RESOURCESMANAGEMENT		
CORE	III Year & Sixth Semester	Credit: 4	Code - MS2316
<u>COURSE OBJECTIVES</u>	1. To facilitate the student to know about the importance of Human Resources 2. To make the student to understand the various aspects of the Human Resources		
COURSE OUTLINE	<p>Unit1: INTRODUCTION</p> Nature And Scope of Human Resources Management – Differences Between Personnel Management And HRM – Environment of HRM – Human Resource Planning – Recruitment – Selection – Methods of Selection – Uses of Various Tests – Interview Techniques in Selection and Placement. <p>Unit-2: TRAINING</p> Meaning -Induction -Methods – Techniques – Identification of the Training Needs – Training and Development – Performance Appraisal – Transfer – Promotion and Termination of Services – Career Development. <p>Unit 3: COMPENSATION</p> Cost Of Company- CTC Fixed and Flexible Pay- Components – Incentives – Benefits – Motivation – Welfare And Social Security Measures. <p>Unit 4 LABOUR RELATION</p> Need – Functions of Trade Unions – Forms of Collective Bargaining- Workers' Participation in Management – Types and Effectiveness – Industrial Disputes and Settlements (Laws Excluded) <p>UNIT 5 : HUMAN RESOURCEAUDIT</p> Human Resource Audit – Nature – Benefits – Scope – Approaches		



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	<p>REFERENCE BOOKS:</p> <ol style="list-style-type: none"> 1. HumanResourceManagement,PSubbaRao,HimalayaPublication 2. HumanResourceManagement, Ashwathappa,HimalayaPublication 3. HumanResourceManagement,GarryDeseler 4. HumanResourceManagement,LMPrasad,SultanChand&Sons 5. HumanResourceManagement,Tripathi,SultanChand&Sons
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COURSE OUTCOME

MS2316.1 : enable the students to understand the concept of human resource and its management.


MS2316.2:To make the students know about the training methods and its need

MS2316.3: To facilitate the students to know about the workmen compensations

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
MS2316.1	2	3	2	2	2	2	3
MS2316.2	3	2	2	2	3	3	2
MS2316.3	2	1	1	1	2	2	1
Average	2.33	2.00	1.67	1.67	2.33	2.33	2.00




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TITLE OF THE COURSE/ PAPER	COST AND MANAGEMENT ACCOUNTING		
CORE	III Year & Sixth Semester	Credit: 4	Code - CO2119
<u>COURSE OBJECTIVES</u>	<ol style="list-style-type: none"> 1. To understand that how to ascertain the cost of a product manufactured or service rendered. 2. To how to prepare and submit the financial reports to the management . 		
COURSE OUTLINE	<p>Unit1:</p> <p>Cost Accounting: Definition, Meaning and objectives - Distinction between Cost and Financial Accounting. Elements of cost and preparation of cost sheets and tender. Management Accounting– Definitionandobjectives–Distinctionbetweenmanagement andfinancialaccounting.</p> <hr/> <p>Unit-2:</p> <p>Stores Records - Purchase Order - Goods Received. Note - Bin Card - Stores Ledger-Purchase,ReceiptandInspection- InventoryControl-ABCAnalysis-Economic Ordering Quantity - Maximum, Minimum and Reordering levels - Methods of Pricing Issues.</p> <p>Labour: Importance of Labour Cost Control - Various Methods of Wage Payment - Calculation of wages - Methods of Incentive for Schemes</p> <hr/> <p>Unit 3:</p> <p>Overheads: Factory, Administration, Selling and Distribution of overheads - Classification</p> <p>-AllocationandApportionment-</p> <p>Redistribution(SecondaryDistribution)-Absorptionof Overheads including'MachineHourRate</p> <hr/> <p>Unit-4</p> <p>FundsFlowandCashFlowAnalysis:Scheduleofchangesinworkingcapital-Preparation of fundsflowstatement'-</p>		



	<p>Preparation of 'Cash Flow Statement' - Importance of funds flow and cash flow Analysis - Difference between funds flow and cash flow.</p> <p>Ratio Analysis: Utility and limitations of Accounting Ratios - calculation of Accounting Ratios - Ratio Analysis for Liquidity, Solvency, Profitability and Leverage</p>
	<p>UNIT 5 :</p> <p>Marginal Costing: The Concept - Break Even Analysis - Break-Even Chart - Importance and assumptions - Application of Profit Volume Ratio - Different types of problems (with special emphasis on decision making problems). Budget and Budgetary Control : Procedure and Utility - Preparation of different types of Budget including Flexible Budget</p>
	<p>Recommended Texts & Reference</p> <ol style="list-style-type: none"> 1. Jain S.P. and Narang K.L., Advanced Cost Accounting – Kalyani Publication 2. Maheswari S.N., Cost and Management Accounting, Sultan Chand Publication 3. S.P. Iyengar, Cost and Management Accounting, Sultan Chand & Sons 4. M.N. Arora, Cost and Management Accounting, Vikas Publication 5. T.S. Reddy, Y. Hariprasad Reddy, Cost and Management Accounting, Margham Publications.

COURSE OUTCOME

CO2119.1- To make the students to understand the basics of cost accounting and management accounting preparation of cost sheet.


CO2119.2 - To make the students to understand about the various methods of material costing

CO2119.3 - To make the students to know about the overheads costing

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2119.1	2	2	1	1	1	2	2
CO2119.2	2	3	3	3	2	3	3
CO2119.3	1	1	1	1	2	2	2
Average	1.67	2.00	1.67	1.67	1.67	2.33	2.33




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TITLE OF THE COURSE/ PAPER	WEB TECHNOLOGY (Theory & Practicals)		
CORE	III Year & Sixth Semester	Credit: 4	Code CS2494
COURSE OBJECTIVES	1. To give knowledge of creating static and dynamic web pages.		
COURSE OUTLINE	<p>Unit 1:</p> <p>Internet Basic – Introduction to Html – List – Creating Table – Linking Document – Frames – Graphics to Html Doc- Creating Simple Static Pages.</p> <hr/> <p>Unit-2:</p> <p>Introduction to JavaScript – Advantage of Javascript – javascript syntax – Datatype – variable – array – operator and expression – looping constructor – function – Dialog box .</p> <hr/> <p>Unit 3:</p> <p>JavaScript document object model – introduction – object in HTML – event handling – window object – browser object – form object – navigator object – build in object – cookies.</p> <hr/> <p>Unit-4</p> <p>ASP.NET : Language Structure – page structure – page event, properties - compiler directives. HTML server controls – Anchor, Tables, Forms- Basic Web server controls – label, textbox, button, image, links, check & radio button, hyperlink.</p> <hr/> <p>UNIT 5 :</p> <p>Request and Response objects - Working with data – OLEDB connection class, Command class Transaction class, data adaptor class, data set class.</p> <p>Security: Authentication, IP Address, Secure by SSL & Client Certificates.</p>		



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	<p>REFERENCE:</p> <ol style="list-style-type: none"> I. Bayross, Web Enable Commercial Application Development Using HTML, DHTML, javascript, Perl CGL. BPB Publications, 2000. G. Buczek, ASP.NET Developers Guide, TMH, 2002 A. Russell Jones, Mastering Active Server Pages 3, BPB Publications. HTML, JAVA SCRIPT and ASP.NET <p>Practicals:</p> <ol style="list-style-type: none"> Creation of a personal webpage (with links) Preparation of a bio data Prepare a train timetable using row/column span Create an array of 10 elements and display it. Write a program to output the squares, roots and cubes of integers between 1 and 100 Read a string and look at character by character. Design a simple calculator. Create a web form for a library application with necessary controls.
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CS2494.1 - To make the students to understand about the javascript and arrays


CS2494.2 - To make the students to know about the navigator objects and cookies

CS2494.3 - To make the students to know the language structures

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CS2494.1	2	3	2	2	2	2	3
CS2494.2	3	2	2	2	3	3	2
CS2494.3	2	1	1	1	2	2	1
Average	2.33	2.00	1.67	1.67	2.33	2.33	2.00




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TITLE OF THE COURSE/ PAPER	INCOME TAX LAW AND PRACTICE-II		
CORE	III Year & Sixth Semester	Credit: 5	Code CO2127
COURSE OBJECTIVES	<p>1.To help the students to understand the relevance and significance of tax</p> <p>2.To Facilitate the students in understanding the Various Provisions I.T act</p>		
COURSE OUTLINE	<p>Unit1:</p> <p>Income from capital gain</p> <p>Capital Gain –Meaning –Short term and Long term capital Gains-certain Transactions not included as transfer –Cost of Acquisitions -Cost of improvement - indexation –capital Gain under different circumstances- Exempted capital Gains –Computations of Capital Gains</p>		
	<p>Unit-2:</p> <p>Income from other sources</p> <p>Computation-Grossing up-Deduction in Computing income under the head and other related Provisions</p>		
	<p>Unit 3:</p> <p>Clubbing of Incomes and set off/ carry forward and set- off of losses</p> <p>Clubbing of incomes under various situations-Deemed incomes-Simple Problems on Clubbing of Incomes –Set off-Carry forward and set off of losses.</p>		
	<p>Unit-4:</p> <p>Deductions from Gross income</p>		



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Permissible Deductions from Gross Total income -
Sec.80C,80CC,80CCCD,80D,80DD,80DDB,,80E,80G,80GG,80GGA,80
QOB,80RRB,

80U.Assessment of individual-computations of tax

UNIT 5 :


Income Tax Authorities and Procedure of Assessment

Income Tax Authorities –Powers of the central Board of Direct Taxes (CBDT).Commissioners of income Tax and income Officers. Assessment Procedures-Self Assessment-Best judgement Assessment –income Escaping Assessment (Re Assessment)-Advance Payment of Tax-Meaning and Due dates.

1.Reference Books

- 1.vinod,K.Singhania,Students Guide to income Tax,Taxman Publications Pvt Ltd.
- 2.Mehrotra-Income Tax Law &Accounts,Goyal,SathiyaBhavan Publications.
- 3.Gaur&Narang,income Tax Law& Practice ,Kalyani publishers.
- 4.Reddy,T.S&Hariprasad Reddy,Y,Income Tax Theory, Law&Practice,MarghamPublications.,Chennai.
- 5.Murthy.A,Income TaxLaw&practice,Vijay Nicole imprints PvtLtd.Chennai
- 6.Hariharan N. Income TaxLaw&practice, Vijay Nicole imprints PvtLtd.Chennai




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COURSE OUTCOME

CO2127.1: To make the students to understand the calculation of capital gains


CO2127.2: To make the students know the calculation of income from other sources

CO2127.3: To make the students to know how to club the incomes and setting forward of profits and losses

Mapping Function of PO's and CO's & PSO's

Course Outcome	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2
CO2127.1	2	2	3	1	2	2	2
CO2127.2	3	3	2	2	1	1	1
CO2127.3	1	3	1	3	3	3	3
Average	2.00	2.67	2.00	2.00	2.00	2.00	2.00




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ANNEXURE I

MEENAKSHI ACADEMY OF HIGHER EDUCATION AND RESEARCH FACULTY OF HUMANITIES AND SCIENCE

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SYLLABUS

PART I-TAMIL

Common for UG students who study PART I - Tamil for four semesters/ two semesters (i.e. B.A.(English)/ B.Sc.(Mathematics),B.Sc(Computer Science), B.Sc (Visual Communication),B.C.A/B.Com.(General),B.Com (CS),B.Com (CA) & B.B.A)

முதற்பருவம் (First Semester)

1.செய்யுள்:

அ.	மனோன்மணியம்	தமிழ்த் தெய்வ வணக்கம் 'நீராருங் கடலுடுத்த' என்று தொடங்கும் முதற்பாடல் 'கடல்குடித்த...' என்று தொடங்கும் ஆறு கண்ணிகள்.
ஆ.	இராமலிங்க அடிகளார்	ஆறாந்திருமுறையில் இடம் பெற்றுள்ள அருள் விளக்க மாலையில் 'கோடையிலே', 'கதிக்கு வழி,'தனித்தனி' எனத் தொடங்கும் மூன்று பாடல்கள் மட்டும்.
இ.	கவிமணி தேசிய விநாயகம் பிள்ளை	மலரும் மாலையும் என்னும் நூலில் இடம் பெற்றுள்ள 'கோவில் வழிபாடு' வாழ்க்கைத் தத்துவங்கள் எனும்; தலைப்பிலுள்ள கவிதை முழுமையும்.
ஈ.	பாரதியார்	'கண்ணன் என் சேவகன்' என்ற தலைப்பில் அமைந்துள்ள கவிதை முழுமையும்.
உ.	பாரதிதாசன்	'அழகின் சிரிப்பு' நூலில் இடம் பெற்றுள்ள 'ஆல்' என்ற தலைப்பில் உள்ள பாடல்கள்.
ஊ.	ஈரோடு தமிழன்பன்	'அந்த நந்தனை எரித்த நெருப்பின் மிச்சம்' என்ற நூலில் இடம் பெற்றுள்ள 'வாக்குச் சீட்டுகளுக்கு ஓர் அர்த்தம் வரட்டும்' என்னும் கவிதை மட்டும்.
எ.	கவிஞர் வைரமுத்து	திருத்தி எழுதிய தீர்ப்புகள் என்னும் நூலில் இடம் பெற்றுள்ள 'நிலத்தை ஜெயித்த விதை கவிதை மட்டும்.
2.	இலக்கணம்	
	இலக்கணக்குறிப்பு	பாடத்திட்டத்தில் இடம் பெற்றுள்ள செய்யுட்களில் அமைந்துள்ள இலக்கணக் குறிப்புகளை எடுத்துக் காட்டுதல்.
3.	மொழித்திறன்	
	1. கலைச் சொல்லாக்கம் 2.நேர் காணல் 3. பொருந்திய சொல் தருதல் 4.மரபுத் தொடர்.	
4.	பாடந்தழுவிய இலக்கிய வரலாறு	
5.	பொதுக்கட்டுரை	Note: இடஞ்சுட்டிப் பொருள் விளக்கம் செய்யுள் பகுதியில் இடம் பெற வேண்டும்.



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இரண்டாம் பருவம் (Second Semester)

1.செய்யுள்:

அ.	திருநாவாவுக்கரசர் தேவாரம்	நான்காம் திருமுறை- நமச்சிவாயத் திருப்பதிகம் 10 பாடல்கள்
ஆ.	குலசேகர ஆழ்வார்	பெருமாள் திருமொழி - 'ஆலைநீள் கரும்பன்னவன் எனத் தொடங்கும் தேவகி புலம்பல் (முழுமையும்)
இ.	நளவெண்பா	கலி நீங்கு காண்டம் தேர்ந்தெடுக்கப்பட்ட 40 பாடல்கள்
ஈ.	சீறாப்புராணம்	மானுக்குப் பிணை நின்றபடலம் தேர்ந்தெடுக்கப்பட்ட 65 பாடல்கள்
உ.	கண்ணதாசன்	ஏசு காவியம்-பாடுகளின் பாதை - தேர்ந்தெடுக்கப் பட்ட பாடல்கள் மட்டும்
2.	இலக்கணம்	இலக்கணக் குறிப்பு-செய்யுட் பகுதியில் அமைதல் வேண்டும்.
3.	உரைநடை	டாக்டர் மு.வ.வின் 'நல்வாழ்வு' நூல் முழுமையும் பாரி நிலையம் சென்னை -60 108
4.	பாடந் தழுவிய இலக்கிய வரலாறு	
5.	மொழி பெயர்ப்பு	பொது (ஆங்கிலத்திலிருந்து தமிழ்) இடஞ்சுட்டிப் பொருள் விளக்கம் செய்யுட் பகுதியில் இடம் பெற வேண்டும்.



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SYLLABUS

Part I Tamil

Common for UG/ students who study PART II - Tamil for four semesters

(i.e. B.A.(English)/ B.Sc.(Mathematics), B.Sc(Computer Science), B.Sc (Visual Communication))

1.செய்யுள்:

திருக்குறள்	- அன்புடைமை	- அதிகாரம்	8
	கல்வி	- அதிகாரம்	40
	கேள்வி	- அதிகாரம்	42
	அறிவுடைமை	- அதிகாரம்	43
	சிலப்பதிகாரம்	- வழக்குரை காதை	
	மணிமேகலை	- 17. உலக அறவி புக்க காதை	
	சீவக சிந்தாமணி	- விமலையார் இலம்பகம் (42 பாடல்கள்)	
	கம்பராமாயணம்	- குகப்படலம் (46 பாடல்கள்)	
	பெரிய புராணம்	- காரைக்கால் அம்மையார் புராணம்	

2. இலக்கணம்:

செய்யுள் பகுதியிலிருந்து அணி இலக்கணம் மட்டும்.

3. சிறுகதை:

அறிஞர் அண்ணாவின் சிறுகதைகள்

1. கொக்கரக்கோ
2. சரோஜா ஆறணா
3. பேய் ஓடிப் போச்சு
4. 1938-40 ஒரு வசீகர வரலாறு
5. சாது
6. செவ்வாழை
7. பொங்கல் பரிசு
8. வேலை போச்சு
9. விழுப்புரம் சந்திப்பு
10. காலிழந்தான்

4.பாடம் தழுவிய இலக்கிய வரலாறு:

நீதி இலக்கியங்கள், ஐம்பெருங்காப்பியங்கள், சோழர் கால இலக்கியங்கள்.



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5. பயன்பாட்டுத் தமிழ்:

1. அகர வரிசைப் படுத்துதல்
2. ஒரு பொருள் குறித்த பல சொற்கள்
3. பல பொருள் குறித்த ஒரு சொல்
4. எழுத்துப் பிழை நீக்கம்
5. ஒற்றுப் பிழைகளை நீக்கி எழுதுதல்
6. தொடர் பிழை நீக்கம்
7. பிறமொழிச் சொற்களை நீக்கி எழுதுதல்.



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நான்காம் பருவம் (Fourth Semester)

1. செய்யுள்:

புறநானூறு : 212, 213, 214, 215, 216

- அ. 212 பாடியவர் -பிசிராந்தையார், கோப்பெருஞ்சோழனின் மாண்பைப் பாடியது. திணை -இயன்மொழி "நுங்கோ யாரென வினவின் எங்கோக்...." (10 அடிகள்)
- ஆ. 213 பாடியவர் - புல்லாற்றூர் எயிற்றயினார் கோப்பெருஞ்சோழன் தன் மக்கள் மேல் போருக்கு எழுந்த போது பாடியது. வஞ்சித் திணை, துணை வஞ்சித்துறை "மண்டமர் அட்ட மதனுடைய நோன்றாள்" (24 அடிகள்)
- இ. 214 கோப்பெருஞ்சோழன் வடக்கிருந்த போது பாடியது. பொதுவியல் திணை, பொருண்மொழிக்காஞ்சித்துறை "செய்குவம் கொல்லோ நல்வினை எனவே" (13 அடிகள்)
- ஈ. 215 கோப்பெருஞ்சோழன் பிசிராந்தையார் வருவார் எனப் பாடியது. பாடாண் திணை, இயன்மொழித்துறை "கவைக் கதிர் வரகின் அவைப்புறு வாக்கல்..." (9 அடிகள்)
- உ. 216 கோப்பெருஞ்சோழன் பாடல், பாடாண்திணை இயன்மொழித் துறை. "கேட்டல் மாத்திரை அல்லது யாவதும்..." 12 அடிகள்)

குறுந்தொகை : பாடல் எண், 2, 3, 16, 20, 31, 40, 49, 69, 124, 167

பா.எண் 2	- குறிஞ்சித்திணை இறையனார்	- தலைவன் கூற்று "கொங்குதேர் வாழ்க்கை"5
பா.எண். 3	- குறிஞ்சித்திணை தேவகுலத்தார்	- தலைவி கூற்று "நிலத்தினும் பெரிதே ..." 4
பா.எண்.16	- பாலைத்திணை பாலை பாடிய பெருங்கடுங்கோ	- தோழி கூற்று "உள்ளார் கொல்லோ தோழி5
பா.எண். 20-	பாலைத்திணை கோப்பெருஞ்சோழன்	- தலைவி கூற்று "அருளும் அன்பும் நீக்கித் ..."4
பா.எண். 31-	மருதத்திணை ஆதிமந்தியார்	- தலைவி கூற்று "மள்ளார் குழீகிய விழவினாலும் 6
பா.எண். 40-	குறிஞ்சித் திணை செம்புலப்பெயல் நீரார்	- தலைவன் கூற்று "யாயும் ஞாயும்..." 5
பா.எண். 49-	நெய்தல் திணை அம்முவனார்	- தலைவி கூற்று "அணிற் பல்லன்ன5
பா.எண். 69-	குறிஞ்சித்திணை கடுந்தோட் கரவீரனார்	- தோழி கூற்று "கருங்கண் தாக்கலை 6



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பா.எண். 69-	குறிஞ்சித்திணை கடுந்தோட் கரவீரனார்	-	தோழி கூற்று "கருங்கண் தாக்கலை 6
பா.எண். 124-	பாலைத்திணை பாலை பாடிய பெருங்கடுங்கோ	-	தோழி கூற்று உமணர் சேர்ந்து4
பா.எண். 167-	முல்லைத்திணை கூடலூர்கிழார்	-	செவிலித்தாய் கூற்று "முளிதயிர் பிசைந்த ...6
கலித்தொகை:	நெய்தற்கலி 133 பாலைக்கலி 9 பட்டினப்பாலை	-	"மாமலர் முண்ட "எறித்தருகதிர்த் முழுவதும்

இலக்கணம்: திணை, துறை, விளக்கம்

நாடகம்: "பாண்டியன் பரிசு" - பாரதிதாசன்

இலக்கிய வரலாறு : பாடம் தழுவிய இலக்கிய வரலாறு
சங்க இலக்கியங்கள்: பாட்டும் தொகையும்

மொழிபெயர்ப்பு : அலுவலகக் கடிதம் (ஆங்கிலத்திலிந்து தமிழில்
மொழிபெயர்த்தல்)
இடம் சுட்டிப் பொருள் விளக்கம் செய்யுட் பகுதியில்
அமைதல் வேண்டும்.



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SYLLABUS

PART II - ENGLISH

Common for UG students who study PART II - English for four semesters/ two semesters (i.e. B.A.(English)/ B.Sc.(Mathematics),B.Sc(Computer Science), B.Sc (Visual Communication),B.C.A/B.Com.(General),B.Com (CS),B.Com (CA) & B.B.A)

First Year - First Semester

Unit I Prose :

Textures of English (Cambridge University Press India Pvt. Limited)

Headache	–	R.K. Narayan
A Little Bit of What You Fancy	–	Desmond Morris
My Early Days	–	Abdul Kalam
How to Escape from Intellectual Rubbish	–	Russell
Town by the Sea	–	Amitav Ghosh
Key To Courage	–	I.A. R Wylie

Unit II Poetry :

Verse (Macmillan Publishers India Limited)

Written in Early Spring	–	Wordsworth
When I have Fears	–	John Keats
Ulysses	–	Tennyson
Obituary	–	Ramanujan
The Unknown Citizen	–	Auden
For Elkana	–	Ezekiel


Unit III Short Stories

Vignettes A Collection of Short Stories Ed. Dr.P. N.Ramani

(New Century Book House(P) Limited)

Upper Division Clerk	–	Manohar Malgonkar
The Doll's House	–	Katherine Mansfield
Marriage is a Private Affair	–	Chinua Achebe
The Man Who Knew Too Much	–	Alexander Baron
The Ransom of Red Chief	–	O Henry
The Adventure of the German Student	–	Washington Irving




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Unit IV

Grammar

Tense, Aspect, Auxiliaries (Primary and Modal), Concord, Negatives, Interrogatives (Yes or No, Wh) Tag questions, Completing the sentences , Common errors
Synonym, Antonym, Word class, Use in sentences of words (Text based)

Unit V

Functional English Comprehension, Note Making,
A Handbook of English Grammar – Dr. H.M. Williams and
Dr. V. Saraswathi (Anu Chitra Publications)




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PART II - ENGLISH
Second Semester

Unit I Prose :

Textures of English (Cambridge University Press India Pvt. Limited)

History of Chess	–	Barbara Mack
To Know When to Say, "It's None of Your Business"	–	Mc Cormick
The India of My Dreams	–	Indira Gandhi
The Second Crucifixion	–	Collins and Lapiere
How to Avoid Argument	–	Sam Horn
Six Thinking Hats	–	Edward Bono

Unit II Poetry :

Verse (Macmillan Publishers India Limited)

Leave this Chanting	–	Tagore
The Stone	–	Gibson
Mending Wall	–	Frost
The Ballad of Father Gilligan	–	W.B.Yeats
Hawk Roosting	–	Hughes
The Listeners	–	De La Mare

Unit III Biographical sketches

Portraits in Prose –An Anthology of Biographical Sketches
Ed: S.Jagadisan (Orient Blackswan Private Limited)

Socrates	–	Sir Richard Livingstone
Sir Issac Newton	–	Nathaniel Hawthorne
Leo Tolstoy	–	Ronald Seth
Alexander Fleming	–	Philip Cane
Mother Teresa	–	John Frazer
Martin Luther King	–	R.N.Roy

Unit IV Grammar

Grammar Voice, Articles, Prepositions, Reported Speech,
Conditional sentence,
Completing the sentences, Common Errors
Synonym, Antonym, Word class.
Use in sentences (Words as different word classes -Text based))

Unit V

Functional English Completing a dialogue , Expansion of hints
Use in sentences (Words as different word classes -Text based))

A Handbook of English Grammar – Dr. H.M. Williams and
Dr. V. Saraswathi (Anus Chitra Publications)



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Part II English

Common for UG/ students who study PART II - English for four semesters
(i.e. B.A.(English)/ B.Sc.(Mathematics), B.Sc(Computer Science),
B.Sc (Visual Communication))

Second Year - Third Semester

Unit I – Prose

Classic Assets (Emerald Publishers)

My Visions for India	–	Abdul Kalam
On Saying Please	–	A. G. Gardiner
The Lady or the Tiger?	–	Frank Stockton
How to be a Doctor	–	Stephen Leacock
The Sporting Spirit	–	George Orwell
The Portrait of a Lady	–	Kushwant Singh

Unit II – Drama

Six One Act Plays Ed; Dr. Nafeesa Kaleem –
(Anu Chitra Publications)

The Dear Departed	–	Stanley Houghton
The Boy Comes Home	–	A. A. Milne
The Discovery	–	Herman Ould
The Shirt	–	Francis Dillon
The Pie and the Tart	–	Hugh Chesterton
Refund	–	Fritz Karinthy

Unit III – Fiction

Stevenson – Dr. Jekyll and Mr. Hyde (Retold by Kennet) – S. Chand & Company Ltd

Unit IV – Grammar


Grammar Clauses, Types of sentences, Linkers, Adjectives and Adverbs, Degree of Comparison, Conjunctions and Sentence Linkers
Gerunds and infinitives,
Beginning sentences with It
Completing the sentences
Synonym, Antonym, Word class
Use in sentences (Phrases - Text based)

Unit V

Functional English Letter Writing(Informal), Report Writing, Diary writing

A Handbook of English Grammar – Dr. H.M. Williams and Dr. V. Saraswathi (Anu Chitra Publications)




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PART II – ENGLISH
SECOND YEAR - Fourth Semester

(Effective from the academic year 2009 -2010 for the students admitted from 2008 -09)

Unit I – Prose

Classic Assets (Emerald Publishers)

Tree Speaks	–	C. Rajagopalchari
Nehru - Some Memories	–	Arnold Toynbee
Tolerance	–	E.M.Forster
The Lion and the Lamb	–	Leonard Clark
Professions for Women	–	Virginia Woolf
Little Things	–	Samuel Smiles

Unit II – Drama

Selected Scenes from Shakespeare's Plays – Book I
(Emerald Publishers)

Funeral Oration (Julius Caesar)
Trial for a Pound of flesh (The Merchant of Venice)
He Kills Sleep (Macbeth)
Play out a Play(Henry IV Part I)
Patterns of Love (As You Like It)

Unit III – Fiction

Arthur Conan Doyle – The Hound of the Baskervilles – Abridged by Aanand Kuma Raju
(Blackie Books)


Unit IV

Grammar - Phrasal Verbs-
Transformation of Sentences Negatives, voice, direct and
Indirect , Changing clauses into phrases and phrases into
Clauses, Common Errors Completing the sentences
Synonym, Antonym, Word class
Use in sentences (Idioms - Popular ones only)

Unit V

Functional English Letter Writing(Formal), CV, Paragraph Writing
Use in sentences (Idioms - Text based)
A Handbook of English Grammar – Dr. H.M. Williams and
Dr. V. Saraswathi (Anand Chitra Publications) Rs.52/-




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SYLLABUS
SOFT SKILL I, II , III

Common for UG/ students who study

(i.e. B.A.(English)/ B.Sc.(Mathematics),B.Sc(Computer Science), B.Sc (Visual Communication), BCA, BBA, B.COM(GEN),(C.A),(C.S))

SOFT SKILLS –I

ESSENTIALS OF LANGUAGE AND COMMUNICATION

OBJECTIVES

We enable students to build a repertoire of functional vocabulary and to move from the lexical level to the syntactic level. we train students to summon words, phrases relevant to the immediate communication tasks. we enable students to comprehend the concept of communication. v teach students the four basic communication skills Listening, Speaking, Reading and Writing.

UNIT 1:

Recap of language skills - vocabulary, phrase, clause, sentence.

UNIT 2:

Fluency building

UNIT 3:

Principles of Communication

UNIT 4:

Types of Communication

UNIT 5:


LSRW in Communication.

REFERENCE:

WEBSITES :

1. www.shg-india.net
2. www.tnruralbazaar.com




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SOFT SKILLS – II

ESSENTIALS OF SPOKEN AND PRESENTATION SKILLS

OBJECTIVES:

We train Students to become aware of their thinking style and to enable them to convert thinking into performance. We prepare students to evolve mental models for intra-personal and inter-personal transactions. We make students reflect and improve their use of body language - Posture, Gesture, Facial expression, Tone.

UNIT I:

Thinking and Articulation - Cognitive, Affect, critical, creative aspects of articulation.

UNIT II:

Acquisition of Oral and Aural Skills.

UNIT III:

Communication Boosters - Body language.

UNIT IV:

Function of Cultural Codes in Presentation - Etiquette.

UNIT V:


Models of Presentation.

REFERENCES

RECOMMENDED TEXTS:

1. Powell 1998. MacMillan Company
2. Cotton, et al. Market Leader. Longman.
3. Pease, Allan. 1998. Body Language: How to Read Others Thoughts by their Gestures. Sudha Publications. New Delhi.
4. Gardner, Howard. 1993. Multiple Intelligences: The Theory in Practice: A Reader. Basic Books. New York.
5. De Bono, Edward. 2000. Six Thinking Hats. 2nd Edition. Penguin Books.




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SOFT SKILL III

PERSONALITY ENRICHMENT

OBJECTIVES

To make students understand the concepts and components of personality, thereby to apply the acquired knowledge to themselves and to march towards excellence in their respective academic careers. 2. To enable students to keep themselves abreast of general knowledge and current information. 3. To bring out creativity and other latent talents with proper goal setting so that self-esteem gets enhanced. 4. To sharpen memory skills and other study skills which are vital for academic excellence. 5. To give training for positive thinking which will keep the students in a good stead at the time of crisis.

UNIT I: INTRODUCTION

Definition of Personality Components of Personality - structural and functional aspects. Determinants of Personality- biological, psychological and socio-cultural factors. Assessment of Personality - observation, interview and psychological tests. Misconceptions and Classifications. Need for personality development.

UNIT II: SELF-AWARENESS AND SELF MOTIVATION

1. Self analysis through SWOT and Johari window. 2. Elements of motivation. 3. Seven rules of motivation. 4. Techniques and strategies for self motivation. 5. Motivation checklist and Goal setting based on the principle of SMART. 6. Self motivation and life.

UNIT III: GENERAL KNOWLEDGE AND CURRENT AFFAIRS

1. Regional, National and International events. 2. Geographical, political and historical facts. 3. Information on sports and other recreational activities. 4. Basic knowledge with regard to health and health promotion.

UNIT IV: MEMORY, DECISION MAKING AND STUDY SKILLS

1. Definition and importance of memory. 2. Causes of forgetting. 3. How to forget (thought stopping), how to remember (techniques for improving memory) 4. The technique of passing exams. 5. The rational decision making process. 6. Improving creativity in decision making and components of creativity.

UNIT V: POWER OF POSITIVE THINKING

1. Thinking power- seven steps for dealing with doubt. 2. Traits of positive thinkers and high achievers, 3. Goals and techniques for positive thinking. 4. Enhancement of concentration through positive thinking. 5. Practicing a positive life style.

REFERENCES

1. Mile, D.J. (2004). Power of positive thinking. Delhi: Rohan Book Company. 2. Pravesh Kumar. (2005). All about self-motivation. New Delhi: Goodwill Publishing House. 3. Dudley, G.A. (2004). Double your learning power. Delhi: Konark Press. Thomas publishing Group Ltd. 4. Lorayne, H. (2004). How to develop a super power memory. Delhi: Konark Press. Thomas publishing Group Ltd. 5. Hurlock, E.B. (2006). Personality Development, 28th Reprint. New Delhi: Tata Mc Graw Hill.



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SYLLABUS
SOFT SKILL IV

Common for UG/ students who study (i.e. B.A.(English)/ B.Sc.(Mathematics), BBA, B.COM(GEN),(C.A),(C.S))

SOFT SKILL – IV
COMPUTING SKILLS

OBJECTIVE:

The major objective in introducing the Computer Skills course is to impart training for students in Microsoft Office which has different components like MS Word, MS Excel, MS Access, Power point etc., at two levels based on their knowledge and exposure. It provides essential skills for the user to get adapted to any work environment, as most of the systems in any6 work place have MS Office installed for their day to day activities. The course is highly practice oriented rather than regular class room teaching. Pre-requisite : NIL.

UNIT I:

Introduction to Computers - Classification of Computers; Role of Computers in society; Inside the Computers - Hardware (processing, memory, i/o, storage), Software (systems, application), CPU, OS, (DOS, Windows, Unix, Linux), Storage Devices; Programming - Overview, need for languages, skills; Networking Basics; Virus; Hacking.

UNIT II:

Word Processing - Open, Save and close word document; Editing text - tools, formatting, bullets; Spell Checker; Navigating in word - keyword, Mouse; document formatting - paragraph alignment, indentation, headers and footers, numbering; printing - preview, options.

UNIT III:

File Management - Understanding the importance of file management; backing of files, navigating thru My Computer and Windows Explorer; Files and Folders - editing, retrieving, deleting, renaming, subfolders - manipulate windows - maximize, minimize; Power point basics - terminology, templates, viewing.

UNIT IV:

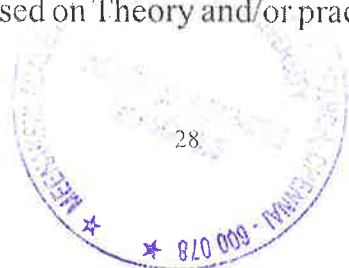
Spreadsheets - MS Excel - opening, entering text and data, formatting, navigating; Formulas - entering, handling and copying; Charts - creating, formatting and printing, header and footer, centering data, printing.


UNIT V:

Networks - Internet Explorer - components; www - working, browsing, searching, saving - Bookmark - favorite, create, delete - Printing a web page; email - creating, receiving, reading and sending messages. Note: Unit II to Unit V needs exposure thru practicals.

REFERENCES:

1. Introduction to Computers - Peter Norton, Tata McGrawHill. 2. Microsoft 2003 - Jennifer Ackerman Kettel, Guy HatDavis, Curt Simmons, Tata McGraw-Hill. EXAMINATION:
1. Internal assessment could be based on Theory and/or practicals. 2. End semester is based on practicals.




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SYLLABUS
III SEMESTER
ENVIRONMENTAL STUDIES

Common for UG/ students who study

(i.e. B.A.(English)/ B.Sc.(Mathematics),B.Sc(Computer Science),B.Sc(Visual Communication) BCA, BBA, B.COM(GEN),(C.A),(C.S))

Objective: This course is designed

1. To enable students understand interrelationships of living organisms and their environments.
2. To enhance the knowledge and attitudes towards environment.
3. To understand the growing concern for conservation of biodiversity, prudent use of natural resources, effects of population and pollution on environment.
4. To create an awareness on the laws and ethics in environmental issues.

Unit 1 – Introduction & Natural Resources (6 Hours)

The multi-disciplinary nature of environmental studies – Definition, Scope and importance, Need for public awareness. Natural Resources: Renewable and non – renewable resource Used and over - exploitation of forest, water and food resources

Unit 2 – Ecosystems (4 Hours)

Concept of an ecosystem – structure and function of an ecosystem – producers, consumers and decomposers – Energy flow in the ecosystem and ecological pyramids

Unit 3 – Biodiversity and its conservation (6 Hours)

Introduction – definition: genetic, species and ecosystem diversity – Value of biodiversity – consumptive use, productive use, social, ethical, aesthetic and optional Values – India as a mega – diversity nation – Hot spot of bio-diversity – Threats to bio-diversity, habitat loss, poaching of wildlife, man wildlife conflicts.

Unit 4 – Environmental Pollution (6 Hours)


Definition – Causes, effects and control measures of – Air pollution, water pollution, soil pollution – solid waste management – causes, effects and control measures of urban and industrial wastes – Role of an individual in prevention of pollution.

Unit 5 – Social Issues and the Environment (8 Hours)

From unsustainable to sustainable development – urban problems related to energy – water conservation, rain water harvesting, water shed management – Disaster management floods, earthquake, cyclone and landslides.

Environment ethics – issues and possible solutions – climate change, global warming, nuclear accidents and holocaust.




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SYLLABUS
VALUE EDUCATION - IV

Common for UG/ students who study

**(i.e. B.A.(English)/ B.Sc.(Mathematics),B.Sc(Computer Science),
B.Sc (Visual Communication), BCA, BBA, B.COM (GEN),(C.A),(C.S))**

UNIT-I Introduction

Value education – Education and institution culture-cultural values. Fivefold moral culture & nonviolence personality development: submission purpose and philosophy of life (perfection).

UNIT-II Structure in life:

Physical structure of human body-Five factors to balance in life-Four structure in life-Introspection-Thought process.

UNIT-III Desire and Anger:

Moralization of desire-Neutralizations of Anger.


UNIT-IV Human resource development:

Eradication of worries-greatness of blessings/friendship-peace-family-peace of mind.

UNIT-V Laws of nature:

Unified force-cause and effect system-purity of thought and deed-genetic centre.




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I SEMESTER
ALLIED MATHEMATICS-I
(For B.Sc., Computer Science, BCA)

UNIT-I

Theory of equations -Relation between roots and coefficients – Transformation of equations-Increasing and decreasing the roots of an equation-Reciprocal equation –Horner's method-Newton's method of finding roots.

UNIT-II

Matrices: Characteristics roots and characteristic vectors- Properties (Statements only) Cayley Hamilton theorem (Statements only) verification-To find the inverse using the above theorem –Diagonalization of a matrix and using it to find the powers of a matrix.

UNIT-III

Trigonometry- Expansions of $\cos n\phi$, $\sin n\phi$, $\tan n\phi$, in powers of ϕ - hyperbolic functions- Inverse hyperbolic function- Real and Imaginary parts of $\sin(\alpha + i\beta)$, $\cos(\alpha + i\beta)$, $\tan^{-1}(\alpha + i\beta)$

UNIT-IV

Multiple integrals- Application of double integral- Integral in evaluating area between curves- Evaluation of triple integrals – Jacobian of two and three variables- Beta and Gamma functions-Relation- Evaluation of double and triple integrals using Beta and Gamma functions.


UNIT-V

Fourier Series- Definition- Finding Fourier coefficients for a given periodic function with period 2π - Odd and Even function- Half Range series.

Books for Reference:

1. S. Narayanan and T.K. Manickavachagam Pillai – Ancillary Mathematics, S. Viswanathan Printers, 1986, Chennai.
2. P. Kandasamy and K.Thilagavathi , Allied Mathematics Volume I and II-2004, S.Chand and Co., New Delhi.
3. Ancillary Mathematics Volume I and II by P. Balasubramanian & K.G.Subramanian.




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II SEMESTER
ALLIED- MATHEMATICS-II
(For B.Sc., Computer Science and BCA)

UNIT-I

Differential equation of the form $(aD^2+bD+C)y = e^{ax} \phi(x)$ where a, b, c are constants, $\phi(x) = \sin mx$ (or) $\cos mx$ (or) x^m . Solution of homogeneous linear differential equations of the form $(ax^2D^2+bxD+C)y = X$, where x is a function of x – variation of parameters.

UNIT II

Formation of Partial differential equations by eliminating arbitrary constants and arbitrary function – Solutions of standard types of first order equations – $f(p,q) = 0$; $p(x,p,q) = 0$, $f(y,p,q) = 0$, $f(z,p,q) = 0$, $z = px+qy+f(p,q)$ – Charpit's method (Problem Only) Lagrange method of solving linear partial differential equation $Pp+Qq+R$.

UNIT III

Vector Calculus – Scalar and Vector point function, Differentiation of Vectors, Differential operators, Directional Derivative, gradient, Divergence and curl.

UNIT IV

Integration of Vectors : Line, Surface and Volume Integrals. Theorems of Gauss, Green, Stokes theorems (Statement Only) Verification Simple Problems.

UNIT V

Laplace transformation : Definition – Laplace Transform of e^{at} , $\cos at$, $\sin at$, $\cosh at$, $\sinh at$, t^n , n -a Positive integer – $e^{at} f(t)$, $t^n f(t)$, $f'(t)$, $f''(t)$ – Inverse Laplace Transform – Solving differential equation of second order with constant coefficients using Laplace Transform – Solving simultaneous equations using Laplace Transform.

Books for Reference :

1. S. Narayanan and T.K. Manickavasgam Pillai – Ancillary Mathematics, S. Viswanathan Printers, 1986, Chennai.
2. P. Kandasamy and K. Thilagavathi, Allied Mathematics Volume I and Volume II – 2004, S. Chand and Co., New Delhi.
3. Ancillary mathematics Volume 1 and 2 by P. Balasubramanian & K. G. Subramanian.




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