



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai – 106.

Post Graduate & Research Department of Economics

M.A.Economics – Programme Code – 31

B.A. Economics – Programme Code – 01

M.Phil Economics – Programme Code - 51

SYLLABUS – With effect from 2020-21 onwards

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION

PRINCIPAL

**Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.**

HOD Sign

**Dr. T.S. PREMA, M.A., M.Phil., Ph.D.,
Associate Professor & Head
Post Graduate &
Research Department of Economics (Shift 4)
Dwaraka Doss Goverdhan Doss Vaishnav College
Arumbakkam, Chennai - 600106.**

B.A.Economics

SEMESTER – I

Part	COURSE TITLE	CREDITS	CIA	ESE	Total
I	Language	3	40	60	100
II	English	3	40	60	100
III	Core Paper I – Micro Economics - I	4	40	60	100
	Core Paper II – Statistics - I	4	40	60	100
	Allied Paper I – Entrepreneurial Development	5	40	60	100
IV	Soft Skills	3	40	60	100
	Non-Tamil Students : Basic Tamil / Advanced Tamil Tamil Students: Non – Major Elective- I- Vermitechnology - Principles of Management-Offered to B.Sc Plant Biology	2	40	60	100
	Total	24			

SEMESTER – II

Part	COURSE TITLE	CREDITS	CIA	ESE	Total
I	Language	3	40	60	100
II	English	3	40	60	100
III	Core Paper III –Micro Economics - II	4	40	60	100
	Core Paper IV – Statistics - II	4	40	60	100
	Allied Paper II – Marketing	5	40	60	100
IV	Soft Skills	3	40	60	100
	Non-Tamil Students : Basic Tamil / Advanced Tamil Tamil Students: Non – Major Elective II Public Health&Hygiene	2	40	60	100

	Basics of Capital Market- - Offered to B.Sc Plant Biology				
	Total	24			

SEMESTER – III

Part	COURSE TITLE	CREDITS	CIA	ESE	Total
I	Language	3	40	60	100
II	English	3	40	60	100
III	Core Paper V – Indian Economic development and Policy - I	4	40	60	100
	Core Paper VI Monetary Economics - I	4	40	60	100
	Allied Paper III – Tourism and Economic Development	5	40	60	100
IV	Soft Skills	3	40	60	100
	Total	22			

SEMESTER – IV

Part	COURSE TITLE	CREDITS	CIA	ESE	Total
I	Language	3	40	60	100
II	English	3	40	60	100
III	Core Paper VII – Indian Economic Development and Policy - II	4	40	60	100
	Core Paper VIII – Monetary Economics - II	4	40	60	100
	Allied Paper IV - Elements of Insurance	5	40	60	100
IV	Soft Skills	3	40	60	100
	Environmental Studies	2	40	60	100

	Total	24			
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SEMESTER – V

Part	COURSE TITLE	CREDITS	CIA	ESE	Total
III	Core Paper IX – Macro Economics-I	4	40	60	100
	Core Paper X – Fiscal Economics - I	4	40	60	100
	Core Paper XI – International Economics-I	4	40	60	100
	Core Paper XII – History Of Economic Thought	4	40	60	100
	Elective I – Managerial Economics	5	40	60	100
IV	Value Education	2	40	60	100
	Total	23			

SEMESTER – VI

Part	COURSE TITLE	CREDITS	CIA	ESE	Total
III	Core Paper XIII – Macro Economics - II	4	40	60	100
	Core Paper XIV – Fiscal Economics - II	4	40	60	100
	Core Paper XV – International Economics - II	4	40	60	100
	Core Paper XVI – Human Resource Management	4	40	60	100
	Elective II – Environmental Economics	5	40	60	100
	Elective II – Home Economics	5	40	60	100
V	Extension Activity	2			
	Total	23			
	Common Elective Offered to other Departments				

	Home Economics	5	40	60	100
	Indian Economic Development and Policy	5	40	60	100



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Affiliated to University of Madras

Arumbakkam, Chennai – 600 106


DEPARTMENT OF ECONOMICS


BA ECONOMICS – PROGRAM CODE – 02

SYLLABUS WITH EFFECT FROM 2020-21

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION


PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.


Dr. T.S. PREMA, M.A., M.Phil., Ph.D.,
Head
Department of Economics (Shift II)
Dwaraka Doss Goverdhan Doss Vaishnav College
Arumbakkam, Chennai - 600106.

**DEPARTMENT OF ECONOMICS (SHIFT II)
CHOICE BASED CREDIT SYSTEM**

Course Component	Sem	Subjects	Inst Hrs	Credits
Part I	I	Language paper-I	4	3
Part II		English Paper -I	4	3
Core		Micro Economics-I	6	5
Core		Statistics - I	6	5
Allied		Principles of Management	6	5
NME		Economics of Tourism	2	2
Soft skills I			2	3
Part I	II	Language paper-II	4	3
Part II		English Paper -II	4	3
Core		Micro Economics-II	6	5
Core		Statistics -II	6	5
Allied		Entrepreneurial Development	6	5
NME		Computer and its Applications	2	2
Soft skills II			2	3
Part I	III	Language paper-III	4	3
Part II		English Paper -III	4	3
Core		Marketing	6	5
Core		Monetary Economics-I	6	5
Allied		Financial Services	6	5
Soft skills II			2	3
Part I		IV	Language paper-IV	4
Part II	English Paper -IV		4	3
Core	Indian Economy		6	5
Core	Monetary Economics- II		6	5
Allied	Elements of Insurance		6	5
	Environmental Studies		2	2
Soft skills IV				3
Part III Core Courses	V	Macro Economics -I	6	5
		Fiscal Economics -I	6	5
		International Economics - I	6	5
		Human resource Management	6	5
Elective - I		Income Tax	6	5
Part IV Core Courses	VI	Macro Economics -II	6	5
		Fiscal Economics -II	6	5
		International Economics - II	6	5
Elective - II		Entrepreneurial Development	6	5
Elective - III		Management Accounting	6	5
		NCC, NSS		2
	Value Education		2	



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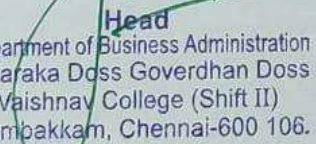
DEPARTMENT OF BUSINESS ADMINISTRATION
(BBA)


Programme Code - 003

Choice Based Credit System (CBCS)

OUTCOME BASED EDUCATION SYLLABUS

Effective from Batch 2020


Head
Department of Business Administration
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.


PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

DEPARTMENT OF BUSINESS ADMINISTRATION (BBA)

Programme Code - 003

Choice Based Credit System (CBCS)

OUTCOME BASED EDUCATION SYLLABUS

Effective from Batch 2020

COURSE SCHEME OF 1st SEMESTER

Sl. NO	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CI A	ES E	Total
1	Foundation		Language –I	3	4	40	60	100
2	Foundation		English – I	3	4	40	60	100
3	Core I	03101	Accounting for managers-I	4	6	40	60	100
4	Core II	03102	Principles of management	4	6	40	60	100
5	Allied I	03103	Managerial Economics	4	6	40	60	100
6	Non-Major	03104	Consumer Behavior	2	2	40	60	100
7			Soft skills	2	1	40	60	100
Total				22	30			

COURSE SCHEME OF IInd SEMESTER

Sl.	Course category	Course	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
1	Foundation		Language –II	3	4	40	60	100
2	Foundation		English – II	3	4	40	60	100
3	Core III	03205	Accounting for managers -II	4	6	40	60	100
4	Core IV	03207	*Computer Application In Business	4	6	40	60	100
5	Allied I	03206	Business Communication	4	6	40	60	100
6	Non-major	03208	Personality Development	2	2	40	60	100
7			Soft skills	2	2	40	60	100
Total				22	30			

COURSE SCHEME OF IIIrd SEMESTER BBA

Sl.No	Course category	Course Code	Course	Overall Credits	Total Contact Hours/ Week	Marks		
						CIA	ESE	Total
1	Core V	03309	Financial Management	4	6	40	60	100
2	Core VI	03310	Marketing Management	4	6	40	60	100
3	Core VII	03311	Human Resource Management	4	5	40	60	100
4	Allied I	08321	Business Maths	4	5	40	60	100
5	Allied II	03312	Production Management	4	5	40	60	100
6			Soft Skill	2	2	40	60	100
7			Environmental Studies		1			
Total				22	30			

COURSE SCHEME OF IVth SEMESTER

Sl.NO	Course category	Course Code	Course	Overall Credits	Total Contact Hours/W week	Marks		
						CIA	ESE	Total
1	Core VIII	03413	Research Methodology	5	5	40	60	100
2	Core IX (Elective)**	03414A	(A) Advertising management and sales promotion	5	6	40	60	100
		03414B	(B)Industrial Relation					
		03414C	(C) Family Business Management I					
3	Core X	08426	Operation Research	5	5	40	60	100
4	Allied I	03415	Business Statistics	4	5	40	60	100
5	Allied II	03416	International Trade	4	6	40	60	100
6			Soft Skill	2	2	40	60	100
7			Environmental Studies	2	1	40	60	100
Total				27	30			

COURSE SCHEME OF Vth SEMESTER

Sl.NO	Course category	Course Code	Course	Over all Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
1	Core XI (Elective)**	03517A	(A)Services Marketing	5	6	40	60	100
		03517B	(B)Organization Psychology					
		03517C	(C) Family Business Management II					
2	Core XII	03518	Business Taxation	5	6	40	60	100
3	Core XIII	03519	Legal Aspects of Business	5	6	40	60	100
4	Allied I	03520	Entrepreneurial Development	5	6	40	60	100
5	Allied II	03521	Materials Management	5	6	40	60	100
Total				25	30			

COURSE SCHEME OF VIth SEMESTER

Sl.NO	Course category	Course Code	Course	Over all Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
1	Core XIV	03622	Business ethics & values	5	6	40	60	100
2	Core XV	03623	Personality Development	5	6	40	60	100
3	Core XVI	03626	Project	6	6	40	60	100
4	Allied I	03624	Financial Services	5	6	40	60	100
5	Allied II	03625	Information Management	5	6	40	60	100
Total				26	30			



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)**

College With Potential Excellence

Linguistic Minority Institution, Affiliated to University of Madras

**PROGRAMME NAME –
DEPARTMENT OF B.COM
(BANK MANAGEMENT)**

PROGRAMME CODE - BBM04

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION

2020-2021

PRINCIPAL

Dr S SANTHOSH BABOO

PRINCIPAL

**Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.**

HEAD OF THE DEPARTMENT

Dr B.VIJAYAKUMAR

Head

**Department of Bank Management
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.**



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College With Potential Excellence

Linguistic Minority Institution, Affiliated to University of Madras

DEPARTMENT OF B.COM BANK MANAGEMENT

FIRST SEMESTER

Sl. NO	Course Component	Name of the Course	Instructional Hours 4+2*	Credits	Examination Hours	Marks	
						CIA	ESE
1	Part I	Language	4	3	3	40	60
2	Part II	English	4	3	3	40	60
3	Part III – Core course Paper I	Principles of Financial Accounting	6	4	3	40	60
4	Part III – Core course Paper II	Business Communication	6	4	3	40	60
5	Part III – Allied course Paper I	Business Statistics	6	5	3	40	60
6	Part IV – Basic Tamil / NME Paper I	Non Major Elective/ Basic Tamil/ Advanced Tamil	2	2	3	50	50
7	Part IV	Soft Skills I	2	2	3	50	50
Total			30	23	30		



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SECOND SEMESTER

Sl. NO	Course Component	Name of the Course	Instructional Hours 4+2*	Credits	Examination Hours	Marks	
						CIA	ESE
1	Part I	Language	4	3	3	40	60
2	Part II	English	4	3	3	40	60
3	Part III – Core course Paper I	Advanced Financial Accounting	6	4	3	40	60
4	Part III – Core course Paper II	Theory of Money and Banking	6	4	3	40	60
5	Part III – Allied course Paper I	Operation Research	6	5	3	40	60
6	Part IV – Advanced Tamil / NME Paper II	Non Major Elective/ Basic Tamil/ Advanced Tami	2	2	3	50	50
7	Part IV	Soft Skills II	2	2	3	50	50
Total			30	23	30		

Non Major Elective-Semester I offered to Non -Bank Management - Basics of Banking and Insurance - I

Non Major Elective-Semester II offered to Non -Bank Management - Basics of Banking and Insurance - II



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THIRD SEMESTER

Sl. NO	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Marks	
						CIA	ESE
1	Part III – Core course Paper V	Corporate Accounting	6	4	3	40	60
2	Part III – Core course Paper VI	Legal Systems in Business	6	4	3	40	60
3	Part III – Core course Paper VII	Banking Theory, Law and Practice	6	4	3	40	60
4	Part III – Core course Paper VIII	Business Management	6	4	3	40	60
5	Part III – Allied course Paper III	Computer Application in Business	6	5	3	40	60
6		Soft Skills III	2	3	3	50	50
7		Environmental Studies	2	1	3	50	50
Total			34	29	30		



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FOURTH SEMESTER

Sl. NO	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Marks	
						CIA	ESE
1	Part III – Core course Paper IX	Advanced Corporate Accounting	6	4	3	40	60
2	Part III – Core course Paper X	Financial Services and Bancassurance	6	4	3	40	60
3	Part III – Core course Paper XI	Entrepreneurial Development	6	4	3	40	60
4	Part III – Core course Paper XII	Marketing of Banking Services	6	4	3	40	60
5	Part III – Allied course Paper IV	Business Economics	6	5	3	40	60
6		Soft Skills IV	2	3	3	50	50
7		Environmental Studies	2	1	3	50	50
Total			34	26	30		



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FIFTH SEMESTER

Sl. NO	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Marks	
						CIA	ESE
1	Part III – Core course Paper XIII	Cost and Management Accounting	6	4	3	40	60
2	Part III – Core course Paper XIV	Investment Management	6	4	3	40	60
3	Part III – Core course Paper XV	Indirect Taxes	6	4	3	40	60
4	Part III – Elective I	Income Tax Law and Practice - I	6	5	3	40	60
5	Open Elective course Paper	Rural Banking / Consumer Affairs	6	5	3	40	60
6		Value Education	2	2	3	50	50
Total			32	26	30		



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SIXTH SEMESTER

Sl. NO	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Marks	
						CIA	ESE
1	Part III – Core course Paper XVI	Practical Auditing	6	4	3	40	60
2	Part III – Core course Paper XVII	Human Resource Management	6	4	3	40	60
3	Part III – Core course Paper XVIII	Financial Management	6	4	3	40	60
4	Part III – Core course Paper XIX	Technology in Banking	6	4	3	40	60
5	Part III – Elective II	Income Tax Law and Practice -II	6	5	3	40	60
6		Extension Activities	2	1	3	50	50
Total			32	26	30		



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(Autonomous)
College with Potential for Excellence, Linguistic Minority Institution
Affiliated to University of Madras
Arumbakkam, Chennai 600 106

PG & Research Department of Commerce

Bachelor in Commerce
(B.COM)

Programme Code: 05

OBE SYLLABUS

Academic Year 2020-2021

CHOICE BASED CREDIT SYSTEM (CBCS)

PROF. S. SESHADRINATHAN
Head of the Department (Shift II)
Head

Department of Commerce
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Dr J JAYASANKAR
Head of the Department(Shift I)

Dr.J.Jayasankar, M.Com., M.Phil., Ph.D
Associate Professor & Head
Research Supervisor & Guide
PG & Research Dept. of Commerce
Dwaraka Doss Goverdhan Doss Vaishnav college
Arumbakkam, Chennai- 600 106.



Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai – 600 106

[Affiliated to University of Madras]

Post Graduate & Research Department of Commerce

B.Com (General)

FIRST SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – I	Language Courses	4 +2*	3	3	40	60
2	Part – II	English	4	3	3	40	60
3	Part – III	Core I Financial Accounting I	5	4	3	40	60
4	Part – III	Core II Business Economics	5	4	3	40	60
5	Part – III	Allied I Business Mathematics-I	5	5	3	40	60
6	Part – IV	Non Major Elective / *Basic Tamil / Advanced Tamil	2	4	3	40	60
7	Part – IV	Skill Based Subject Soft Skills – I	2	3	3	40	60
	Total		30	26			

SECOND SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – I	Language Courses	4 + 2*	3	3	40	60
2	Part – II	English	4	3	3	40	60
3	Part – III	Core III Financial Accounting II	5	4	3	40	60
4	Part – III	Core IV Business Law	5	4	3	40	60
5	Part – III	Allied II Business Maths –II	6	5	3	40	60
6	Part – IV	Non Major Elective / *Basic Tamil / Advanced Tamil	2	4	3	40	60
7	Part – IV	Skill Based Subject Soft Skills – II	2	3	3	40	60
	Total		30	26			
Non Major Electives (Semester I) (offered to Non-Commerce Students)			Non Major Electives (Semester II) (offered to Non-Commerce Students)				
1. Fundamentals of Banking Law & Practice			1. Personal Investment Planning				



Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai – 600 106

[Affiliated to University of Madras]

Post Graduate & Research Department of Commerce

THIRD SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – III	Core V Corporate Accounting-I	6	4	3	40	60
2	Part – III	Core VI Banking & Financial Services	5	4	3	40	60
3	Part – III	Core VII Principles of Management	5	4	3	40	60
4	Part – III	Core VIII Business Communication	5	4	3	40	60
5	Part – III	Allied III Business Statistics & Operations Research-I	6	5	3	40	60
6	Part – IV	Skill Based Subject Soft Skills – III	2	3	3	40	60
7	Part – IV	Environmental Studies	1		Examination will held in Semester IV		
	Total		30	24			

FOURTH SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – III	Core IX Corporate Accounting-II	5	4	3	40	60
2	Part – III	Core X Company Law	5	4	3	40	60
3	Part – III	Core XI Principles of Marketing	5	4	3	40	60
4	Part – III	Core XII Practical Auditing	6	4	3	40	60
5	Part – III	Allied IV Business Statistics Operations Research –II	6	5	3	40	60
6	Part – IV	Skill Based Subject Soft Skills – IV	2	3	3	40	60
7	Part – IV	Environmental Studies	1	2	3	40	60
	Total		30	26			



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Post Graduate & Research Department of Commerce

FIFTH SEMESTER

Sl.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – III	Core XIII Cost Accounting	5	4	3	40	60
2	Part – III	Core XIV Principles of Financial Management	5	4	3	40	60
3	Part – III	Core XV Entrepreneurial Development	6	4	3	40	60
4	Part – III	Core XVI Income Tax Law & Practice-I	6	4	3	40	60
5	Part – III	Open Elective: Elective I 1. Economic & Corporate Laws (Shift I & II) 2. Office Management (Shift I & II) 3. E-Commerce (Shift II) 4. Marketing of Services (Shift II)	6	5	3	40	60
6	Part – IV	Value Education	2	2	3	40	60
	Total		30	23			

SIXTH SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – III	Core XVII Management Accounting	6	4	3	40	60
2	Part – III	Core XVIII Industrial Law	6	4	3	40	60
3	Part – III	Core XIX Income Tax Law & Practice-II	6	4	3	40	60
4	Part – III	Elective II 1. Human Resource Management 2. Fundamentals of Insurance	6	5	3	40	60
5	Part – III	Elective III Indirect Taxes	6	5	3	40	60
6	Part – V	Extension Activity		1			
	Total		30	23			

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[AUTONOMOUS]

College with Potential for Excellence
Linguistic Minority Institution

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Arumbakkam Chennai 600 106



DEPARTMENT OF CORPORATE SECRETARYSHIP
PROGRAMME CODE - 06

Syllabus

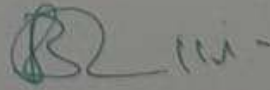
Choice Based Credit System [CBCS]

&

Outcome Based Education [OBE]

Effective for the batch of students admitted from the
Academic year 2020 - 2021


Associate Professor & Head
Department of Corporate Secretaryship
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai-600 106.


PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.



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Arumbakkam, Chennai – 600 106.

BACHELOR OF COMMERCE (Corporate Secretaryship)

Choice based credit system (CBCS) &

Outcome Based Education (OBE)

FIRST SEMESTER

S.No.	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part I	Language	4 + 2*	3	3	40	60
2	Part II	English	4	3	3	40	60
3	Part III	Core Paper I – Financial Accounting - I	5	4	3	40	60
4	Part III	Core Paper II – Principles of Management	5	4	3	40	60
5	Part III	Allied Paper I – Principles of Marketing	6	5	3	40	60
6	Part IV	Soft Skills	2	3	3	40	60
7	Part IV	Non-Tamil Students : Basic Tamil / Advanced Tamil(*) Tamil Students: Non – Major Elective- I: Everyday Banking	2	2	3	40	60
		Total	30	24			



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Affiliated to University of Madras
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BACHELOR OF COMMERCE (Corporate Secretaryship)

Choice based credit system (CBCS) &

Outcome Based Education (OBE)

SECOND SEMESTER

S.No.	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part I	Language	4 + 2*	3	3	40	60
2	Part II	English	4	3	3	40	60
3	Part III	Core Paper III – Financial Accounting II	5	4	3	40	60
4	Part III	Core Paper IV – Human Resource Management	5	4	3	40	60
5	Part III	Allied Paper II – Business Communication	6	5	3	40	60
6	Part IV	Soft Skills	2	3	3	40	60
7	Part IV	Non-Tamil Students : Basic Tamil / Advanced Tamil(*) Tamil Students: Non – Major Elective- II: Fundamentals of Insurance	2	2	3	40	60
		Total	30	24			



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BACHELOR OF COMMERCE (Corporate Secretaryship)

Choice based credit system (CBCS) &

Outcome Based Education (OBE)

THIRD SEMESTER

S.No.	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part I	Language	6	3	3	40	60
2	Part II	English	4	3	3	40	60
3	Part III	Core Paper V – Corporate Accounting - I	5	4	3	40	60
4	Part III	Core Paper VI – Company Law & Secretarial Practice - I	5	4	3	40	60
5	Part III	Allied Paper III – Business Statistics	6	5	3	40	60
6	Part IV	Soft Skills	2	3	3	40	60
7	Part IV	Environmental Studies *	2		3	40	60
		Total	30	22			

* Examination is conducted in Semester – IV



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BACHELOR OF COMMERCE (Corporate Secretaryship)

Choice based credit system (CBCS) &

Outcome Based Education (OBE)

FOURTH SEMESTER

S.No.	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part I	Language	6	3	3	40	60
2	Part II	English	4	3	3	40	60
3	Part III	Core Paper VII – Corporate Accounting II	5	4	3	40	60
4	Part III	Core Paper VIII – Company Law & Secretarial Practice - II	5	4	3	40	60
5	Part III	Allied Paper IV – Business Economics	6	5	3	40	60
6	Part IV	Soft Skills	2	3	3	40	60
7	Part IV	Environmental Studies *	2	2	3	40	60
		Total	30	24			



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BACHELOR OF COMMERCE (Corporate Secretaryship)

**Choice based credit system (CBCS) &
Outcome Based Education (OBE)**

FIFTH SEMESTER

S.No.	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part III	Core Paper IX – Cost Accounting	6	4	3	40	60
2	Part III	Core Paper X – Pratical Auditing	6	4	3	40	60
3	Part III	Core Paper XI – Income Tax Law, Theory & Practice	6	4	3	40	60
4	Part III	Core Paper XII – Business Law	6	4	3	40	60
5	Part III	Elective I – Corporate Governance (open elective)	5	5	3	40	60
6	Part IV	Value Education	1	2	3	40	60
		Total	30	23			



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BACHELOR OF COMMERCE (Corporate Secretaryship)

Choice based credit system (CBCS) &

Outcome Based Education (OBE)

SIXTH SEMESTER

S.No.	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part III	Core Paper XIII – Management Accounting	6	4	3	40	60
2	Part III	Core Paper XIV – Principles of Financial Management	6	4	3	40	60
3	Part III	Core Paper XV – Goods and Service Tax & Customs Law	6	4	3	40	60
4	Part III	Elective II – Entrepreneurial Development	5	5	3	40	60
5	Part III	Project - Institutional Training	5	5	3	40	60
6	Part IV	Extension Activity	2	1	3	40	60
		Total	30	23			

* Project Report – 50 Marks , Viva Voce – 50 Marks

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DEPARTMENT OF COMPUTER APPLICATIONS
(B.C.A)
PROGRAMME CODE:07

OUTCOME BASED EDUCATION
(OBE)
SYLLABUS
(Choice Based Credit System)

Effective from the Academic year 2020 - 2021 onwards

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Head
Department of Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

DEPARTMENT OF B.C.A

SCHEME OF I SEMESTER B.C.A PROGRAMME

Sl. No	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours /Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART I	18-20/16101	Language Paper- I	4	0	0	0	3	4	40	60	100
2	PART II	18-20/99101	English Paper- I	4	0	0	0	3	4	40	60	100
3	PART III Core Theory I	18-20/07101	Fundamentals of Digital Electronics	4	1	0	0	4	5	40	60	100
4	PART III Core Theory II	18-20/07102	Problem Solving Techniques	4	0	0	0	4	4	40	60	100
5	PART III Core Practical I	18-20/07104	Digital Electronics Lab	0	0	3	0	2	3	40	60	100
6	Allied Paper I*	18-20/08106	Mathematical Foundation-I	6	0	0	0	4	6	40	60	100
7	PART IV Non-Major Elective- 1	Basic Tamil 18-20/16102 Computer Fundamentals 2007103	NON-MAJOR ELECTIVE a) Those who have studied Tamil up to XII Std. shall take either Computer Fundamentals or Advanced Tamil. b) Those who have not studied Tamil up to XII Std. and taken a Non-Tamil Language under Part-I shall take Tamil comprising of two course (level will be at 6 th Standard).	2	0	0	0	2	2	40	60	100
8	PART IV Soft Skills**	18-20/40101	Soft Skills-1	2	0	0	0	2	2	50	50	100
Total				26	1	3	0	24	30	330	470	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

*Syllabus framed and approved by Mathematics Department

**Syllabus framed and approved by English Department

DEPARTMENT OF B.C.A

SCHEME OF II SEMESTER B.C.A PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours /Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART I	18-20/19202	Language Paper- II	4	0	0	0	3	4	40	60	100
2	PART II	18-20/99202	English Paper- II	4	0	0	0	3	4	40	60	100
3	PART III Core Theory III	18-20/07205	C++ Programming	4	1	0	0	4	5	40	60	100
4	PART III Core Theory IV	18-20/07206	Microprocessor and its Applications	4	0	0	0	4	4	40	60	100
5	PART III Core Practical II	18-20/07208	C++ Programming Lab	0	0	3	0	2	3	40	60	100
5	Allied Paper II*	18-20/08213	Mathematical Foundation-II	6	0	0	0	4	6	40	60	100
7	PART IV Non-Major Elective- 2	Basic Tamil 18-20/16205 Intro to HTML 2007207	NON-MAJOR ELECTIVE a) Those who have studied Tamil up to XII Std. shall take either Introduction to Html or Advanced Tamil. b) Those who have not studied Tamil up to XII Std. and taken a Non-Tamil Language under Part-I shall take Tamil comprising of two course (level will be at 6 th Standard).	2	0	0	0	2	2	40	60	100
8	PART IV Soft Skills**	18-20/40201	Soft Skills-2	2	0	0	0	2	2	50	50	100
Total				26	1	3	0	24	30	330	470	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

*Syllabus framed and approved by Mathematics Department

**Syllabus framed and approved by English Department

DEPARTMENT OF B.C.A

SCHEME OF III SEMESTER B.C.A PROGRAMME

Sl. No	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART III Core Theory V	18-19/ 07309	Java Programming	4	1	0	0	4	5	40	60	100
2	PART III Core Theory VI	18-19/ 07310	Data Structures	4	1	0	0	4	5	40	60	100
3	PART III Core Theory VII	18-19/ 07311	Graphics and Multimedia	4	0	0	0	4	4	40	60	100
4	PART III Core Practical III	18-19/ 07312	Java Programming Lab	0	0	4	0	3	4	40	60	100
5	PART III Core Practical IV	18-19/ 07313	Data Structures using Java Lab	0	0	4	0	3	4	40	60	100
6	Allied paper III*	18-19/ 05314	Financial Accounting	6	0	0	0	4	6	40	60	100
7	PART IV Soft Skills**	18-19/ 40301	Soft Skills III	2	0	0	0	2	2	50	50	100
Total				20	2	8	0	24	30	290	410	700

CIA-Continuous Internal Assessment

ESE-End Semester Examination

*Syllabus framed and approved by Commerce Department

**Syllabus framed and approved by English Department

DEPARTMENT OF B.C.A

SCHEME OF IV SEMESTER B.C.A PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours /Week	Marks		
				L	T	P	S			CIA	ESE	Total
1.	PART III Core Theory VIII	18-19/ 07414	Python Programming	4	1	0	0	4	5	40	60	100
2	PART III Core Theory IX	18-19/ 07415	Operating Systems	4	1	0	0	4	5	40	60	100
3	PART III Core Theory X	18-19/ 07416	Software Engineering	4	0	0	0	4	4	40	60	100
4	PART III Core Practical V	18-19/ 07417	Python Programming Lab	0	0	4	0	3	4	40	60	100
5	PART III Core Practical VI	18-19/ 07418	Operating System and Shell Programming Lab	0	0	3	0	3	3	40	60	100
6	Allied Paper IV*	18-19/ 05420	Cost and Management Accounting	6	0	0	0	3	6	40	60	100
7	PART IV Soft Skills**	18-19/ 40401	Soft Skills- IV	2	0	0	0	2	2	50	50	100
8	PART IV Environmental Studies	18-19/ 13412	Environmental Studies	1	0	0	0	2	1	40	60	100
Total				21	2	7	0	25	30	330	470	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

*Syllabus framed and approved by Commerce Department

**Syllabus framed and approved by English Department

DEPARTMENT OF B.C.A

SCHEME OF V SEMESTER B.C.A PROGRAMME

Sl. No	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART III Core Theory XI	1807519	Dot Net Programming	4	1	0	0	4	5	40	60	100
2	PART III Core Theory XII	1807520	Database Management System	4	1	0	0	4	5	40	60	100
3	PART III Core Theory XIII	1807521	Computer Networks	5	0	0	0	4	5	40	60	100
4	PART III Core Theory XIV	1807522	ELECTIVE I (DISCIPLINE SPECIFIC ELECTIVE): Data Mining (or) Artificial Intelligence and Expert Systems (or) Object Oriented Analysis and Design	5	0	0	0	4	5	40	60	100
5	PART III Core Practical VII	1807523	Dot Net Programming Lab	0	0	5	0	3	5	40	60	100
6	PART III Core Practical VIII	1807524	RDBMS Lab using ORACLE	0	0	5	0	3	5	40	60	100
7	PART IV	1870501	Value Education	0	0	0	0	1	-	-	-	-
Total				18	2	10	0	23	30	240	360	600

CIA-Continuous Internal Assessment

ESE-End Semester Examination

DEPARTMENT OF B.C.A

SCHEME OF VI SEMESTER B.C.A PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours /Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART III Core Theory XV	1807625	PHP Programming	4	1	0	0	4	5	40	60	100
2	PART III Core Theory XVI	1807626	Mobile Application Development	4	1	0	0	4	5	40	60	100
3	PART III Core Theory XVII	1807627	Design and Analysis of Algorithms	5	0	0	0	4	5	40	60	100
4	PART III Core Theory XVIII	1807628	ELECTIVE II (DISCIPLINE SPECIFIC ELECTIVE): Operations Research (or) Ecommerce(or) Cryptography	5	0	0	0	4	5	40	60	100
5	PART III Core Practical IX	1807629	PHP Programming Lab	0	0	5	0	3	5	40	60	100
6	PART III Core Practical X	1807630	Mobile Application Development Lab	0	0	5	0	3	5	40	60	100
7	PART IV Extension Activities	1880601	Extension Activities	0	0	0	0	1	-	-	-	-
Total				18	2	10	0	23	30	240	360	600

CIA-Continuous Internal Assessment

ESE-End Semester Examination

**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
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Arumbakkam, Chennai - 600 106.**



**POST GRADUATE & RESEARCH
DEPARTMENT OF MATHEMATICS
(B Sc Mathematics)
Programme Code: 08**

**Academic Year 2020-2021
SYLLABUS
(Choice Based Credit System)
OUTCOME BASED EDUCATION
FOR STUDENTS ADMITTED FROM 2019-2020 ONWARDS**

PRINCIPAL
Dwaraka Doss Goverdhan Doss
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Arumbakkam, Chennai - 600106,

R.VENKATARAMANAN M.Sc., M.Phil.,
ASSOCIATE PROFESSOR AND HEAD
P.G. AND RESEARCH DEPT OF MATHEMATICS
DWARAKADOSS GOVERDHAN DOSS
VAISHNAV COLLEGE
CHENNAI - 600 106

DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
CHENNAI – 600 106
Program Name: B.Sc. Mathematics

Curriculum and Scheme of Examination under CBCS
(Applicable to the students admitted during the Academic Year 2019-2020 Onwards)

Semester	Title of the Paper	Instruction hours/cycle	Examination Marks			Duration of Exam (Hours)	Credits
			CIA	ESE	TOTAL		
I	Language – I	4	40	60	100	3	3
	English - I	4	40	60	100	3	3
	Core Paper I Classical Algebra	4	40	60	100	3	4
	Core Paper II Differential Calculus	5	40	60	100	3	4
	Allied – I Physics I / Financial Accounting	9	40	60	100	3	5
	Soft Skills I	2	50	50	100	3	3
	Non Major Elective-I / Basic Tamil-I	2	40	60	100	3	2
	Total	30	-	-	700	-	24
II	Language – II	4	40	60	100	3	3
	English - II	4	40	60	100	3	3
	Core Paper III Trigonometry	4	40	60	100	3	4
	Core Paper IV Integral Calculus	5	40	60	100	3	4
	Allied – II Physics II / Cost and Management Accounting	6	40	60	100	3	3/5
	Allied Physics Practical	3	40	60	100	3	2
	Soft Skills II	2	50	50	100	3	3
	Non Major Elective-II / Basic Tamil-II	2	40	60	100	3	2
	Total	30	-	-	800	-	24

III	Language – III	6	40	60	100	3	3
	English – IV	4	40	60	100	3	3
	Core Paper V Differential Equations	4	40	60	100	3	4
	Core Paper VI Mathematical Statistics	5	40	60	100	3	4
	Allied – III Chemistry I/ Numerical Methods I	9	40	60	100	3	5
	Soft Skills III	2	50	50	100	3	3
	Total	30	-	-	600	-	22
IV	Language – IV	6	40	60	100	3	3
	English – V	4	40	60	100	3	3
	Core Paper VII Vector Calculus, Analytical Geometry of Three Dimensions	4	40	60	100	3	4
	Core Paper VIII Transforms and Fourier Series	4	40	60	100	3	4
	Allied – IV Chemistry II / Numerical Methods II	5	40	60	100	3	3/5
	Allied Chemistry Practical	3	40	60	100	3	2/-
	Soft Skills IV	2	50	50	100	3	3
	Environmental Science	2	40	60	100	3	2
	Total	30	-	-	800	-	24
	Core Paper IX Algebraic	6	40	60	100	3	4

V	Structures						
	Core Paper X Real Analysis I	6	40	60	100	3	4
	Core Paper XI Complex Analysis I	6	40	60	100	3	4
	Elective I Discrete Mathematics	5	40	60	100	3	5
	Elective II Operations Research I	5	40	60	100	3	5
	Value Education	2	40	60	100	3	2
	Total	30	-	-	600	-	24
VI	Core Paper XIV Linear Algebra	6	40	60	100	3	4
	Core Paper XV Real Analysis II	6	40	60	100	3	4
	Core Paper XVI Complex Analysis II	6	40	60	100	3	4
	Core Paper XVII Mechanics	6	40	60	100	3	4
	Elective III Operations Research II	5	40	60	100	3	5
	Extension Activity	1	40	60	100	3	1
	Total	30	-	-	600	-	22
	Grand Total	180	-	-	4100	-	140



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Department of Physics (Shift I)

B.Sc. Physics -Programme Code: 09

Outcome Based Education Syllabus

Academic Year 2020–2021

CHOICE BASED CREDIT SYSTEM (CBCS)


Associate Professor & Head
Department of Physics
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai-600 106.


PRINCIPAL
Dwaraka Doss Goverdhan Doss
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DEPARTMENT OF PHYSICS

COURSE STRUCTURE

Scheme of First Semester

S.No.	Course Components	Subjects	Inst. Hrs	Credits	Exam Hrs	Max. Marks		
						Ext. Marks	Int. Marks	Total
1	PART I	Language Paper I	4	3	3	60	40	100
2	PART II	English Paper I	4	3	3	60	40	100
3	PART III	Core Paper I Mechanics and Properties of Matter	6	5	3	60	40	100
		Core Practical I	3	Practical examination at the end of Semester II				
4		Allied Mathematics I	9	5	3	60	40	100
5	Part IV	Non-Major Elective NME / Basic Tamil	2	2	3	60	40	100
6		Soft Skill I	2	2	3	60	40	100
	Total		30	20		360	240	600


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DEPARTMENT OF PHYSICS

COURSE STRUCTURE

Scheme of Second Semester

S.No.	Course Components	Subjects	Inst. Hrs	Credits	Exam Hrs	Max. Marks		
						Ext. Marks	Int. Marks	Total
1	PART I	Language Paper II	4	3	3	60	40	100
2	PART II	English Paper II	4	3	3	60	40	100
3	PART III	Core Paper II Thermal Physics and Acoustics	6	5	3	60	40	100
		Core Practical I	3	4	3	60	40	100
4		Allied Mathematics II	9	5	3	60	40	100
5	Part IV	Non-Major Elective/ Basic Tamil	2	2	3	60	40	100
6		Soft Skill II	2	2	3	60	40	100
	Total		30	24		420	280	700


Associate Professor & Head
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DEPARTMENT OF PHYSICS

COURSE STRUCTURE

Scheme of Third Semester

S.No.	Course Components	Subjects	Inst. Hrs	Credits	Exam Hrs	Max. Marks		
						Ext. Marks	Int. Marks	Total
1	PART I	Language Paper III	6	3	3	60	40	100
2	PART II	English Paper III	4	3	3	60	40	100
3	PART III	Core Paper III Optics	6	5	3	60	40	100
		Core Practical II	3			Practical examination at the end of Semester IV		
4		Allied Chemistry I	6	5	3	60	40	100
5		Allied Chemistry Practicals	3	Practical examination at the end of Even Semester				
6		Environmental Studies EVS	2	Examination at the end of Even Semester				
7	Part IV	Soft Skill III	2	2	3	60	40	100
	Total		30	18		300	200	500


Associate Professor & Head
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DEPARTMENT OF PHYSICS

COURSE STRUCTURE

Scheme of Fourth Semester

S.No.	Course Components	Subjects	Inst. Hrs	Credits	Exam Hrs	Max. Marks		
						Ext. Marks	Int. Marks	Total
1	PART I	Language Paper IV	6	3	3	60	40	100
2	PART II	English Paper IV	4	3	3	60	40	100
3	PART III	Core Paper IV Atomic Physics	6	5	3	60	40	100
		Core Practical II	3	4	3	60	40	100
4		Allied Chemistry II	6	5	3	60	40	100
5		Allied chemistry Practicals	3	5	3	60	40	100
6	Part IV	Environmental Studies EVS	2	2	3	60	40	100
7		Soft Skill III	2	2	3	60	40	100
	Total		30	29		480	320	800


Associate Professor & Head
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DEPARTMENT OF PHYSICS

Scheme of Fifth Semester

S.No.	Course Components	Subjects	Inst. Hrs	Credits	Exam Hrs	Max. Marks			
						Ext. Marks	Int. Marks	Total	
1	PART III	Core Paper V Electricity and Electromagnetism	5	5	3	60	40	100	
2		Core Paper VI Mathematical methods in Physics	5	5	3	60	40	100	
3		Core Paper VII Solid State Physics	4	5	3	60	40	100	
4		Core Paper VIII Basic Electronics	4	5	3	60	40	100	
5		Elective I a. Applied Electronics or b. Problem Solving in Physics or c. Numerical Methods	4	4	3	60	40	100	
6		Core Practical III	3	Practical examination at the end of Semester VI					
7		Core Practical IV	3						
8		Core Practical V	2						
9		PART IV	Value Education	-	2				100
	Total		30	26				600	


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DEPARTMENT OF PHYSICS**COURSE STRUCTURE****Scheme of Sixth Semester**

S.No.	Course Components	Subjects	Inst. Hrs	Credits	Exam Hrs	Max. Marks		
						Ext. Marks	Int. Marks	Total
1	PART III	Core Paper IX Relativity and Quantum Mechanics	6	5	3	60	40	100
2		Core Paper X Nuclear and Particle Physics	6	5	3	60	40	100
3		Elective II a. Digital Electronics or b. Medical Physics or c. Geo Physics	5	4	3	60	40	100
4		Elective III a. Microprocessor Fundamentals or b. Astrophysics or c. Fiber Optics or d. Weather Forecasting	5	4	3	60	40	100
6		Core Practical III	3	4	3	60	40	100
7		Core Practical IV	3	4	3	60	40	100
8		Core Practical V	2	3	3	60	40	100
9		PART IV	Extension activities	-	1			
	Total		30	30		480	220	700


Associate Professor & Head
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Vaishnav College
Arumbakkam, Chennai-600 106.


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Arumbakkam

DEPARTMENT OF PHYSICS

COURSE STRUCTURE

ALLIED PHYSICS

S.No.	Semester	Subjects	Inst. Hrs	Credits	Exam Hrs	Max. Marks		
						Ext. Marks	Int. Marks	Total
1	Odd Semester	Allied Physics I	6	5	3	60	40	100
2		Allied Practicals	3	Practical Examination at the end of Even semester				
3	Even Semester	Allied Physics II	5	5	3	60	40	100
4		Allied Physics Practicals	3	4	3	60	40	100


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Arumbakkam, Chennai – 600106

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

CHOICE BASED CREDIT SYSTEM (CBCS)

OUTCOME BASED EDUCATION (OBE) SYLLABUS

B.Sc. CHEMISTRY

Programme Code:10

Academic year 2020 – 2021

Dr. K. Premalatha

Associate Professor and Head

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SCHEME OF I YEAR B.SC. CHEMISTRY PROGRAM

SEM	PART	TITLE OF THE PAPER	INSTRUCTION HOURS/WEEK	DURATION OF EXAM	MAX. MARKS			CREDITS
					CIA	ESE	TOTAL	
SEMESTER-I								
I	I	Language Paper –I	6	3	40	60	100	3
	II	English Paper –I	6	3	40	60	100	3
	III	Core Paper - General Chemistry-I	6	3	40	60	100	5
	III	Mathematics –I	9	3	40	60	100	5
	V	NME- I Detection of Adulterants in food-Practical I	2	3	40	60	100	2
	V	Soft skill I	6	3	40	60	100	3
		TOTAL CREDITS						21
SEMESTER-II								
II	I	Language Paper –II	6	3	40	60	100	3
	II	English Paper –II	6	3	40	60	100	3
	III	Core Paper –II General Chemistry-II	6	3	40	60	100	5
	III*	Core Paper– III Qualitative Inorganic Mixture Analysis - Practical I	3	3	40	60	100	4
	III	Mathematics –II	9	3	40	60	100	5
	V	NME – II Significance of chemistry in everyday life-Practical II	2	3	40	60	100	2
	V	Soft skill II		3	40	60	100	3
		TOTAL CREDITS						25

* Examination will be conducted at the end of the Semester

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SCHEME OF II YEAR B.Sc. CHEMISTRY PROGRAM

SEM	PART	TITLE OF THE PAPER	INSTRUCTION HOURS/WEEK	DURATION OF EXAM	MAX. MARKS			CREDITS
					CIA	ESE	TOTAL	
SEMESTER-III								
III	I	Language III	6	3	40	60	100	3
	II	English III	6	3	40	60	100	3
	III	Core Paper IV General Chemistry III	6	3	40	60	100	5
	III	Allied Paper -Chemistry- I (for Mathematics and Physics- Major)	5	3	40	60	100	5
	III	Allied Paper -Chemistry- I (for Botany- Major)	5	3	40	60	100	5
	V	Environmental Studies		3	40	60	100	--
	V	Soft Skill		3	40	60	100	3
		TOTAL CREDITS						24
SEMESTER-IV								
IV	I	Language Paper IV	6	3	40	60	100	3
	II	English Paper IV	6	3	40	60	100	3
	III	Core Paper V General Chemistry IV	6	3	40	60	100	5
	III *	Core Paper VI Volumetric Analysis and Inorganic preparations- Practical II	3	3	40	60	100	4
		Summer Internship						2
	III	Allied Paper -Chemistry- II (for Mathematics and Physics- Major)	5	3	40	60	100	5
	III	Allied Paper -Chemistry- II (for Botany- Major)	5	3	40	60	100	5
	III	Practical-Allied Chemistry (for Mathematics, Physics and Botany- Major)	3	3	40	60	100	4
	V	Environmental Studies		3	40	60	100	2
	V	Soft skill		3	40	60	100	3
		TOTAL CREDITS						36

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SCHEME OF III YEAR B.Sc. CHEMISTRY PROGRAM

SEM	PART	TITLE OF THE PAPER	INSTRUCTION HOURS/WEEK	DURATION OF EXAM	MAX. MARKS			CREDITS
					CIA	ESE	TOTAL	
SEMESTER-V								
V	III	Core Paper VII Organic Chemistry I	5	3	40	60	100	4
	III	Core Paper VIII Inorganic Chemistry I	5	3	40	60	100	4
	III	Core Paper IX Physical Chemistry I	5	3	40	60	100	4
	III	Elective Paper I –Analytical Chemistry OR Pharmaceutical Chemistry	4	3	40	60	100	5
	IV	Value Education		3	40	60	100	2
		TOTAL CREDITS						19
SEMESTER-VI								
	III	Core Paper X Organic Chemistry II	5	3	40	60	100	4
	III	Core Paper XI Inorganic Chemistry II	5	3	40	60	100	4
	III	Core Paper XII Physical Chemistry II	5	3	40	60	100	4
	III	Elective Paper II –Applied Chemistry OR Industrial Chemistry	4	3	40	60	100	5
	III	Elective III – Physical chemistry practical (OR) Polymer chemistry						
	III*	Elective IV - Gravimetric Analysis and Inorganic complex Preparation-Practical IV	5	6	40	60	100	5

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III	Elective Paper V- Organic Analysis and preparation- Practical V	3	3	40	60	100	5
III	Skill Enhancement Course Analytical Chemistry Practical	5	3	40	60	100	5
III	Seminar (Internal)						02
III	Open elective paper- Chemistry in everyday life (OR) Food additive chemistry and five basic senses (OR) Food chemistry						
	Extension activities						
	TOTAL CREDITS						33

* Student should select three Elective subjects such that one elective subject in Fifth semester and two elective subjects in the sixth semester. (The elective papers are: Analytical Chemistry, Pharmaceutical Chemistry, Applied Chemistry, Industrial Chemistry, and Polymer Chemistry)

* Examination will be conducted at the end of the Semester

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**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV
COLLEGE**



Department of Biochemistry
Outcome Based Education (OBE) &
Choice Based credit system

Programme & Programme Code
B.SC Biochemistry (11)

Applicable for students admitted from the academic year 2020-2021 onwards

PRINCIPAL
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Vaishnav College
Arumbakkam, Chennai - 600106.

Head
Department of Biochemistry
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai 600 190.

SCHEME OF SEMESTER B.SC., PROGRAM

B.Sc I SEMESTER

Part	Course Category	Course	Credit Distribution				Overall Credits	Total Contact hours / week	Marks		
			L	T	P	S			CIA	ESE	Total
Part -I	Language	Language –I	4	0	0	0	3	5	40	60	100
Part -II	English	English –I	4	0	0	0	3	5	40	60	100
Part III	Core	Nutritional Biochemistry	3	0	1	0	4	5	40	60	100
	Allied	Chemistry- I	3	1	0	0	4	6	40	60	100
	Major Practical	Major practical –I	0	1	3	0	-	3	-	-	-
	Allied Practical	Chemistry Practical –I	0	1	3	0	-	3	-	-	-
Part IV	NME	Basics of Medical Terminologies	4	0	0	0	2	2	40	60	100
		Soft Skills – I					3	1	50	50	100
Total							19	30	250	350	600

II SEMESTER

Part	Course Category	Course	Credit Distribution				Overall Credits	Total Contact hours / week	Marks		
			L	T	P	S			CIA	ESE	Total
Part I	Language	Language –II	4	0	0	0	3	5	40	60	100
Part II	English	English –II	4	0	0	0	3	5	40	60	100
Part III	Core paper -II	Cell Biology	3	0	1	0	4	6	40	60	100
	Core practical	Major practical –I	0	1	3	0	4	3	40	60	100
	Allied II	Chemistry II	4	0	0	0	3	5	40	60	100
	Allied practical I	Chemistry Practical –I	0	1	3	0	3	3	40	60	100
Part IV	NME II	Plant Bioactive compounds in traditional medicine/	2	0	0	0	2	2	40	60	100
	NME II	Prevention and management of lifestyle disorders	2	0	0	0	2	2	40	60	100
		Soft Skills – II					3	1	50	50	100
Total							25	32	330	470	800

III SEMESTER

	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIE	ESE	Total
Part I	Language	Language –III	4	0	0	0	3	5	40	60	100
Part II	English	English –III	3	1	0	0	3	5	40	60	100
Part III	Core paper/skill Enhancement	Chemistry of Biomolecules	3	0	1	0	4	6	40	60	100
	Allied –II	Microbiology – I	3	0	0	1	4	6	40	60	100
	Major	Major practical –II	0	0	3	1	-	3	-	-	-
	Allied-practical II	Microbiology Practical – II	0	1	3	0	-	3	-	-	-
Part - IV		Soft Skills – III	2	0	0	0	3	1	50	50	100
		EVS					2	1			
Total							17	30	210	290	500

BSC IV SEMESTER

Sl. NO	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIE	SEE	Total
Part I	Language	Language –IV	4	0	0	0	3	5	40	60	100
Part II	English	English –IV	3	1	0	0	3	5	40	60	100
Part III	core paper - IV/ skill Enhancement	Biochemical Techniques	4	0	0	0	4	6	40	60	100
	core practical	Major practical –II	0	0	3	0	4	3	40	60	100
	Allied-II	Microbiology – II	4	0	0	0	3	6	40	60	100
	Allied practical -II	Microbiology Practical	0	1	3	0	3	3	40	60	100
Part IV		Soft Skills – II	2	0	0	0	3	1	50	50	100
		EVS					2	1	40	60	100
Total							25	30	330	470	800

BSC V SEMESTER

	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIE	ESE	Total
Part III	Core paper - V	Enzymes	3	0	1	0	4	5	40	60	100
	Core paper- VI	Intermediary Metabolism	3	1	0	0	4	5	40	60	100
	Core paper VII	Human Physiology	4	0	0	0	4	5	40	60	100
	Core paper- VIII	Molecular Biology	3	0	1	0	4	5	40	60	100
	Elective paper-I	Principles of Biotechnology / Basic MLT / Genetics	4	0	0	0	5	4	40	60	100
	core Practical	Major Practical – III	0	0	4	0		3			
	core Practical	Major Practical – IV	0	0	4	0		3			
Part IV			Value education				2	2	40	60	100
Total							23	32	240	360	600

BSC VI SEMESTER

	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
			L	T	P	S			CIE	ESE	Total
Part III	Core paper-IX	Bioinformatics	3	0	1	0	4	5	40	60	100
	Core paper-X	Immunology	4	0	0	0	4	5	40	60	100
	Core paper-XI	Clinical Biochemistry	4	0	0	0	4	5	40	60	100
	Elective paper-II	Pharmaceutical Biochemistry / IPR / Plant Physiology & Biochemistry	4	0	0	0	5	4	40	60	100
	Elective paper-III	Entrepreneurship in science & Technology/ First Aid / Therapeutic Nutrition	3	1	0	0	5	4	40	60	100
	core Practical	Major Practical – III	0	0	4	0	4	3	40	60	100
	core Practical	Major Practical – IV	0	0	4	0	4	3	40	60	100
	Part V		Extension activity					1			
Total							31	29	280	420	700

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**“Gokulbagh” 833, Periyar E.V.R. Salai,
Arumbakkam, Chennai – 106**



Syllabus

B.Sc., Biotechnology (2020-2021)

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION (OBE)

PROGRAMME CODE: 012

**UNDER GRADUATE – DEPARTMENT OF
BIOTECHNOLOGY**

(Applicable for students admitted for the academic year 2020-21)

M.D. Balakrishnan
Head
Department of Biotechnology
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

B. D. D.
PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

DEPARTMENT OF BIOTECHNOLOGY
SCHEME OF I SEMESTER BSc PROGRAM

S I. N O	Course Categor y	Course	Hour Distribution				Over all Credits	Total Cont act Hour s/We ek	Marks		
			L	T	P	S			CI A	ES E	Tota l
1	Part I	Language/ Tamil Paper 1	4	0	0	0	3	4	40	60	100
2	Part II	English Paper 1	4	0	0	0	3	4	40	60	100
3	Part III	Core Paper 1: Cell biology	6	0	0	0	4	6	40	60	100
4	Part III	Allied Paper 1: Microbiology	6	0	0	0	3	6	40	60	100
5	Part III	Core: Practical I: * Cell biology	0	0	3	0	3	3	40	60	100
6	Part III	Allied: Practical I* Microbiology	0	0	3	0	2	3	40	60	100
7	Part IV	<p>1.a. Those who have not studied Tamil upto XII std and taken a non- tamil language under Part – I shall take Tamil comprising of two courses (level will be at 6thstd).</p> <p>b. Those who have studied Tamil upto XII std and taken a non- Tamil language under Part- I shall take Advanced Tamil comprising of two courses.</p> <p>c. Others who do not come under a+b can choose non-major elective comprising of two courses.</p> <p>Nonmajor elective 1- Biotechnology for society</p>	2	0	0	0	2	2	50	50	100
8	Part IV	2. Skill based subject (Elective) Soft skill I	2	0	0	0	3	2	50	50	100
Total							23	30	340	460	800

Part I & II subjects (UG) to be mentioned as Ability enhancement compulsory skills

* Practical Examinations will be conducted in even semester only

SCHEME OF II SEMESTER BSc PROGRAM

S I. N O	Course catego ry	Course	Hour Distribution				Ove r all Cre dits	Total Cont act Hour s/We ek	Marks		
			L	T	P	S			CIE	SE E	Total
1	Part I	Language/ Tamil Paper 2	4	0	0	0	3	4	40	60	100
2	Part II	English Paper 2	4	0	0	0	3	4	40	60	100
3	Part III	Core Paper: 2 Molecular Biology	6	0	0	0	4	6	40	60	100
4	Part III	Allied Paper: 2 Chemistry in Everyday Life	6	0	0	0	3	6	40	60	100
5	Part III	Core Practical II: Molecular Biology*	0	0	3	0	3	3	40	60	100
6	Part III	Allied Practical II: Chemistry in Everyday Life*	0	0	3	0	2	3	40	60	100
7	Part IV	1. a. Those who have not studied Tamil upto XII std and taken a non- tamil language under Part – I shall take Tamil comprising of two courses (level will be at 6 th std). b. Those who have studied Tamil upto XII std and taken a non- Tamil language under Part- I shall take Advanced Tamil comprising of two courses. c. Others who do not come under a+b can choose non- major elective comprising of two courses. Non Major Elective 2 – Food Science	2	0	0	0	2	2	50	50	100
	Part IV	2. Skill based subject (Elective) Soft skill II	2	0	0	0	3	2	50	50	100
		Total					23	30	340	460	800

Part I & II subjects (UG) to be mentioned as Ability enhancement compulsory skills

*Practical Examinations will be conducted in even semester only

SCHEME OF III SEMESTER BSc PROGRAM

Sl. No	Course category	Course	Hour Distribution				Over all Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CI E	SEE	Total
1	Part I	Language/ Tamil Paper 3	4	0	0	0	3	4	40	60	100
2	Part II	English Paper 3	4	0	0	0	3	4	40	60	100
3	Part III	Core Paper3: Skill Enhancement Course Bioinstrumentation	6	0	0	0	4	6	40	60	100
4	Part III	Allied Paper 3 : Biochemistry	6	0	0	0	3	6	40	60	100
5	Part III	Core Practical III: Bioinstrumentation*	0	0	3	0	3	3	40	60	100
6	Part III	Allied Practical III: Biochemistry*	0	0	3	0	2	3	40	60	100
7	Part IV	Skill based subject: Soft skill III	2	0	0	0	3	2	50	50	100
8	Part IV	Environmental studies	2	0	0	0	-	2	Examination will be held on IV semester		
		Total					21	30	290	410	700

Part I & II subjects (UG) to be mentioned as Ability enhancement compulsory skills

*Practical Examinations will be conducted in even semester only

SCHEME OF IV SEMESTER BSc PROGRAM

Sl. NO	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Part I	Language/ Tamil Paper 4	6	0	0	0	3	4	40	60	100
2	Part II	English Paper 4	4	0	0	0	3	4	40	60	100
3	Part III	Core Paper 4: Skill Enhancement Course Genetic Engineering	6	0	0	0	4	6	40	60	100
4	Part III	Allied paper 4: Fundamentals of Computers and Biostatistics	6	0	0	0	3	6	40	60	100
5	Part III	Core Practical IV: Genetic Engineering*	0	0	3	0	3	3	40	60	100
6	Part III	Allied practical IV: Fundamentals of Computers and Biostatistics*	0	0	3	0	2	3	40	60	100
7	Part IV	Skill based elective: Softskill IV	2	0	0	0	3	2	50	50	100
8	Part IV	Environmental studies	2	0	0	0	2	2	50	60	100
		Total					23	30	340	460	800

Part I & II subjects (UG) to be mentioned as Ability enhancement compulsory skills

*Practical Examinations will be conducted in even semester only

SCHEME OF V SEMESTER BSc PROGRAM

Sl. No	Course category	Course	Credit				Overall Credits	Total Contact Hours/Week	Marks		
			Distribution						CIE	SEE	Total
			L	T	P	S					
1	PartIII	Core Paper 5: Immunology	5	0	0	0	4	5	40	60	100
2	PartIII	Core Paper 6: Bioinformatics	5	0	0	0	3	5	40	60	100
3	PartIII	Core Paper7: Bioprocess Technology	5	0	0	0	4	5	40	60	100
4	PartIII	Core Paper8: Skill Enhancement Course : Food Biotechnology	5	0	0	0	4	5	40	60	100
5	PartIII	Elective paper: 1A Marine Biotechnology or Elective paper: 1B Agricultural Biotechnology or Elective paper: 1C Basics of Stem cell Biology	4	0	3	0	5	4	40	60	100
6	PartIII	Core Practical V: Immunology, Bioinformatics, Bioprocess Technology&Food Biotechnology*	0	0	5	0	3	5	40	60	100
8	PartIV	Value Education	0	0	0	0	2	1	50	50	100
Total							26	30	290	410	700

Elective papers should to be chosen by the candidate.

*Practical Examinations will be conducted in even semester only

SCHEME OF VI SEMESTER BSc PROGRAM

Sl · NO	Course category	Course	Credit Distribution				Overa llCred its	Total Conta ct Hours /Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Part III	Core Paper9: Animal Biotechnology	5	0	0	0	4	5	40	60	100
2	Part III	Core Paper10: Skill Enhancement Course Plant Biotechnology	5	0	0	0	4	5	40	60	100
3	Part III	Core Paper11: Environmental Biotechnology	5	0	0	0	3	5	40	60	100
4	Part III	Elective paper:2A Entrepreneurship, Biosafety, Bioethics and Intellectual property rights or Elective paper:2B Biofertilizer or Elective paper:2C Medical Biotechnology	4	0	0	0	5	4	40	60	100
5	Part III	Open Elective paper:3 Public Health and Hygiene	5	0	0	0	5	5	40	60	100
6	Part III	Core Practical VI: Animal Biotechnology, Plant Biotechnology& Environmental Biotechnology*	0	0	6	0	3	6	40	60	100
7	Part-V	Extension Activity	-	-	-	-	1	-	-	-	-
Total							26	30	240	360	600

Elective papers should to be chosen by the candidate.

*Practical Examinations will be conducted in even semester only



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DEPARTMENT OF PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

BACHELOR OF SCIENCE

(B.SC)

Programme Code:13

OUTCOME BASED EDUCATION SYLLABUS

Academic Year 2020-2021

CHOICE BASED CREDIT SYSTEM (CBCS)

PRINCIPAL

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Dr.R.MURALIDHARAN
Head of the Department

Head
Department of Plant Biology &
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(Linguistic Minority Institution,
Arumbakkam, Chennai -106.

Department of Plant Biology and Plant Biotechnology

B.SC

Course component	Name of the course	Allocation of Credit & Hours		Examination Hours	Max. Marks	
		Credits	Hours/Week		CIA	ESE
Part I	TAMIL/TELUGU/HINDI/ SANSKRIT/ FRENCH Ability Enhancement Compulsory Course (AECC)	12	22	3	40	60
Part II	ENGLISH Ability Enhancement Compulsory Course (AECC)	12	20	3	40	60
Part III	Core Course/Practical	67				
Semester I (Subject Name & Credits)	Core Paper -1 : Algae, Fungi & Lichens	04	06	3	40	60
Semester II (Subject Name & Credits)	Core Paper -2: Basics in Microbiology & Plant Pathology	04	06	3	40	60
	Core Paper -3: Practical -I	04	06	3	40	60

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Arumbakkam, Chennai - 600106.**

	(Algae, Fungi & Lichen, Basics in Microbiology & Plant Pathology)					
Semester III (Subject Name & Credits)	Core Paper -4: Bryophytes & Pteridophytes	04	06	3	40	60
Semester IV (Subject Name & Credits)	Core Paper -5: Gymnosperm, Paleobotany & Evolution)	04	06	3	40	60
	Core Paper -6: Practical -II (Bryophytes & Pteridophytes, Gymnosperm, Paleobotany & Evolution)	04	06	3	40	60
Semester V (Subject Name & Credits)	Core Paper -7: Plant Morphology, Taxonomy & Economic Botany	04	05	3	40	60
	Core Paper -8: Plant Anatomy & Embryology	04	05	3	40	60
	Core Paper -9: Cell Biology & Molecular Biology	04	05	3	40	60
	Core Paper -10: Genetics, Plant Breeding & Biostatistics	04	05	3	40	60
Semester VI	Core Paper -11:	04	05	3	40	60

B.L.V.

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(Subject Name & Credits)	Plant Ecology & Phytogeography					
	Core Paper -12: Plant Physiology & Plant Biochemistry	04	06	3	40	60
	Core Paper -13: Plant Biotechnology	04	05	3	40	60
	Core Paper -14: Practical -III Covering Core Papers (7,8,9 &10)	04	06	3	40	60
	Core Paper -15: Practical -III Covering Core Papers (11,12,&13)	04	06	3	40	60
	Part III Allied Course/Practicals	20		3	40	60
Semester I	Allied Paper – 1 Zoology	04	06	3	40	60
Semester II	Allied Paper – 2 Zoology	04	06	3	40	60
	Allied Practical –I (Covering Both Allied paper 1&2)	02	06	3	40	60
Semester III	Allied Paper – 3 Chemistry	04	05	3	40	60
Semester IV	Allied Paper – 4 Chemistry	04	05	3	40	60
	Allied Practical –I	02	06	3	40	60



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	(Covering Both Allied paper 3&4)					
Part III	Minimum THREE ELECTIVE PAPERS	3x5 =15				
Discipline Specific Elective	Core Elective Paper -1: (V- Semester) Horticulture & Mushroom Cultivation	04	04	3	40	60
Discipline Specific Elective	Core Elective Paper -2: (VI- Semester) Herbal Science & Ethnobotany	04	04	3	40	60
Discipline Specific Elective	Core Elective Paper -3: (VI- Semester) Micro-technique	04	04	3	40	60
Open Elective	Organic farming/Bioinformatics/ Seaweed Technology	03	02	3	40	60
Internship/ Project	An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called Dissertation/Project.					
Part IV	1.BASIC TAMIL/ADVANCED TAMIL/NME	04	02	3		
	2.SOFTSKILLS	12	04	3		



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	3.ENVIRONMENTAL STUDIES (SEMESTER IV) Ability Enhancement Compulsory Course (AECC)	02	01	3		
	4.VALUE EDUCATION (SEMESTER V)	02	01	3		
Part V	5. EXTENSION ACTIVITY (Semester VI)	01				
	MOOC COURSES/CERTIFICATE COURSES (if any)	02				
	TOTAL	149	182			



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Vaishnav College
Arumbakkam, Chennai - 600106.

B.Sc. DEGREE COURSE IN VISUAL COMMUNICATION

CHOICE BASED CREDIT SYSTEM (CBCS) WITH GRADING

SEMESTER SYSTEM WITH CREDITS

&

OUTCOME BASED EDUCATION



Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous)
(Effective from the Academic year 2020-2021)


PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.


Head
Department of Visual Communication
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai – 600 106

[Affiliated to University of Madras]

B.Sc. [Visual Communication]

Curriculum (Batch 2019 – 2020 Onwards)

Curriculum Design Template of B.Sc. Visual Communication from 2019-2020							
FIRST SEMESTER							
S. No	Course Component	Name of Course	Semester	Inst Hours	Credits	Exam Duration Hours	Max Marks
1	Part I	Foundation Course: Language Paper I	1	4	3	3	100
2	Part I	Foundation Course: English Paper I	1	4	3	3	100
3	Part II	Core – Paper I Approaches to Communication	1	5	4	3	100
4	Part II	Core – Paper II : Writing for Media	1	5	4	3	100
5	Part II	Core – Paper III Drawing (Practical 1)	1	5	4	3	100
6	Part III	Allied-I (Paper I) Film Appreciation Course (Practical 2)	1	6	4	3	100
7	Part IV	Non- Major Elective (Compulsory)	1	2	2	3	100
8	Part V	Soft Skills	1	3	3	3	100
SECOND SEMESTER							
1	Part I	Foundation Course: Language Paper II	2	4	3	3	100
2	Part I	Foundation Course: English Paper II	2	4	3	3	100
3	Part II	Core – Paper IV Digital Photography	2	5	4	3	100
4	Part II	Core - Paper V Psychology of Media	2	5	4	3	100
5	Part II	Core – Paper VI Graphic Design (Practical 3)	2	5	4	3	100
6	Part III	Allied-I (Paper II) Digital Art (Practical 4)	2	6	4	3	100

Curriculum Design Template of B.Sc. Visual Communication from 2019-2020

7	Part IV	Non- Major Elective (Compulsory)	2	2	2	3	100
8	Part V	Soft Skills	2	3	3	3	100
THIRD SEMESTER							
1	Part I	Foundation Course: Language Paper III	3	6	3	3	100
2	Part I	Foundation Course: English Paper III	3	6	3	3	100
3	Part II	Core – Paper VII Advertising	3	5	4	3	100
4	Part II	Core – Paper VIII Media, Culture and Society	3	5	4	3	100
5	Part III	Allied-II (paper 3) Computer Graphics I (Practical 5)	3	5	4	3	100
6	Part III	Allied – II (paper 4) Photography (Practical 6)	3	5	4	3	100
7	Part IV	Theory: Soft Skills (Compulsory)	3	2	3		100
FOURTH SEMESTER							
1	Part I	Foundation Course: Language Paper IV	4	6	3	3	100
2	Part I	Foundation Course: English Paper IV	4	6	3	3	100
3	Part II	Core – Paper IX Film Studies	4	5	4	3	100
4	Part II	Core – Paper X Advanced Photography	4	5	4	3	100
5	Part III	Core – Paper XI Multimedia (Practical 7)	4	5	4	3	100
6	Part III	Allied II (paper 5) Digital Cinematography (Practical 8)	4	5	4	3	100
7	Part III	Allied II (paper 6) Newsletter (Practical 9)	4	4	4	3	100
8	Part IV	Theory: Environmental Studies (Compulsory)	4	2	2	3	100
9	Part IV	Soft Skills	3	2	3	3	100

S No	Course Component	Name of the Course	Sem	Ins. Hours	Credits	Exam Duration	Max. Marks
FIFTH SEMESTER							
1	Part II	Core – Paper XII Audio-Video Editing	5	6	5	3	100
2	Part II	Core – Paper XIII Media Organisation	5	6	5	3	100
3	Part II	Core – Paper XIV Research Methodology in Communication	5	6	5	3	100
4	Part II	Core – Paper XV Audio Visual Techniques (Practical 10)	5	5	5	3	100
5	Part II	Core-Paper XVI Elective (Practical 11)	5	5	5	3	100
6	Part II	Core Paper XVII 3Ds Max and Maya (Practical 12)	5	5	5	3	100
7	Part IV	Value Education	5		2	3	100
SIXTH SEMESTER							
1	Part II	Core – Paper XVIII – Broadcast Journalism	6	6	5	3	100
2	Part II	Core – Paper XIX - Portfolio (Practical 13)	6	6	5	3	100
3	Part II	Core -Paper XX Documentary production (Practical 14)	6	6	5	3	100
4	Part II	Core – Paper XXI Elective (Practical 15)	6	5	5	3	100
5	Part III	Core –Paper XXII – Internship (Practical 16)	5		5	3	100
6	Part IV	Extension Activity	6		1		100*

DEPARTMENT OF COMPUTER SCIENCE

**OUTCOME BASED EDUCATION
With
CHOICE BASED CREDIT SYSTEM**

THREE YEARS B.Sc. COMPUTER SCIENCE PROGRAMME

2020 - 2021 BATCH ONWARDS



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)**

College with Potential for Excellence

Linguistic Minority Institution affiliated to University of Madras

E.V.R. PERIYAR HIGH ROAD,

ARUMBAKKAM, CHENNAI – 600106, TAMILNADU.

PRINCIPAL

**Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.**

Head

**Department of Computer Science
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.**

DEPARTMENT OF COMPUTER SCIENCE

SCHEME OF I SEMESTER B.SC COMPUTER SCIENCE PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Language P1	1816101	Language Paper I	3	0	0	0	3	4	40	60	100
2	English P1	1899101	English Paper I	3	0	0	0	3	4	40	60	100
3	Core Theory T1	1815101	Computer Fundamentals	3	0	0	0	3	4	40	60	100
4	Core Theory T2	1815102	Digital Electronics and Microprocessor	2	1	0	0	3	4	40	60	100
5	Core Practical P1	1815104	Digital Electronics and Microprocessor Lab	0	0	2	0	3	4	40	60	100
6	Allied Paper P1	1808108	Mathematics – I	5	0	0	0	5	6	40	60	100
7	Non-Major Elective 1	20XXXX	NON-MAJOR ELECTIVE a) Those who have studied Tamil up to XII Std. shall take either Fundamentals of Information Technology or Advanced Tamil. b) Those who have not studied Tamil up to XII Std. and taken a Non-Tamil Language under Part-I shall take Tamil comprising of two course (level will be at 6 th Standard).	2	0	0	0	2	2	40	60	100
8	Soft Skills*	1840101	SOFT SKILLS *	3	0	0	0	3	2	40	60	100
Total				21	1	2	-	25	30	320	480	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

English and Soft Skills*- Syllabus framed and approved by English Department.

Language - Syllabus framed and approved by Language Departments.

DEPARTMENT OF COMPUTER SCIENCE

SCHEME OF II SEMESTER B.SC COMPUTER SCIENCE PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Language P2	1816204	Language Paper II	3	0	0	0	3	4	40	60	100
2	English P2	1899202	English Paper II	3	0	0	0	3	4	40	60	100
3	Core Theory T3	1815205	Object Oriented Programming Using C++	2	1	0	0	3	4	40	60	100
4	Core Theory T4	1815206	Data Structures	2	1	0	0	3	4	40	60	100
5	Core Practical P2	1815208	OOPS and Data Structures Lab	0	0	2	0	2	4	40	60	100
6	Allied paper P2	1808215	Mathematics – II	5	0	0	0	5	6	40	60	100
7	Non-Major Elective 2	20XXXX	PART-IV NON-MAJOR ELECTIVE a) Those who have studied Tamil up to XII Std. shall take either HTML AND WEB DESIGN or Advanced Tamil. b) Those who have not studied Tamil up to XII Std. and taken a Non-Tamil Language under Part-I shall take Tamil comprising of two course (level will be at 6th Standard).	2	0	0	0	2	2	40	60	100
8	Soft skills*	1840201	Soft skills *	3	0	0	0	3	2	40	60	100
Total				20	2	2	-	24	30	320	480	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

English and Soft Skills*- Syllabus framed and approved by English Department.

Language - Syllabus framed and approved by Language Departments.

DEPARTMENT OF COMPUTER SCIENCE

SCHEME OF III SEMESTER B.SC COMPUTER SCIENCE PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Language P3	1816307	Language Paper III	3	1	0	0	4	4	40	60	100
2	English P3	1899303	English Paper III	3	1	0	0	4	4	40	60	100
3	Core Theory T5	1815309	Java Programming	3	1	0	0	4	4	40	60	100
4	Core Theory T6	1815310	Web Design	3	1	0	0	4	4	40	60	100
5	Core Practical P3	1815311	Java and Web Design lab	0	0	4	0	4	4	40	60	100
6	Allied Paper P3	1808320	Mathematics – III	5	0	0	0	5	5	40	60	100
7	Soft Skill	1840301	Soft Skills **	3	0	0	0	2	5	40	60	100
Total				20	4	4	-	27	30	280	420	700

CIA-Continuous Internal Assessment

ESE-End Semester Examination

English and Soft Skills*- Syllabus framed and approved by English Department.

Language - Syllabus framed and approved by Language Departments.

DEPARTMENT OF COMPUTER SCIENCE

SCHEME OF IV SEMESTER B.SC COMPUTER SCIENCE PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Language P4	18-19XXXX	Language Paper IV	2	1	0	0	3	6	40	60	100
2	English P4	18-19XXXX	English Paper IV	2	1	0	0	3	4	40	60	100
3	Core Theory T7	18-19XXXX	Visual Programming	3	1	0	0	4	3	40	60	100
4	Core Theory Elective1	18-19XXXX	Computer Networks / Client –Server Technology/ Artificial Intelligence and Expert Systems	3	1	0	0	4	4	40	60	100
5	Core Practical P4	18-19XXXX	Visual Programming Lab	0	0	2	0	2	4	40	60	100
6	Allied Paper P4	18-19XXXX	Mathematics - IV	5	0	0	0	5	6	40	60	100
7	Soft Skill	18-19XXXX	Soft Skills**	2	1	0	0	3	2	40	60	100
8	EVS	18-19XXXX	Environmental Studies	2	0	0	0	2	1	40	60	100
Total				19	5	2	-	26	30	320	480	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

English and Soft Skills*- Syllabus framed and approved by English Department.

Language - Syllabus framed and approved by Language Departments.

DEPARTMENT OF COMPUTER SCIENCE

SCHEME OF V SEMESTER B.Sc COMPUTER SCIENCE PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Core Theory T9	18-19XXXX	Operating Systems	4	0	0	0	4	5	40	60	100
2	Core Theory T10	18-19XXXX	Database Management Systems	3	1	0	0	4	5	40	60	100
3	Core Theory T11	18-19XXXX	Computer Graphics	4	0	0	0	4	5	40	60	100
4	Core Theory Elective 2	18-19XXXX	ASP. Net Programming / Advanced Java Programming/ Multimedia	4	1	0	0	5	5	40	60	100
5	Core Practical P5	18-19XXXX	RDBMS Lab	0	0	3	0	3	5	40	60	100
6	Core Practical P6	18-19XXXX	Lab Based on Elective II	0	0	3	0	3	5	40	60	100
7	Value Education	18-19XXXX	Value Education	1	0	0	0	1	5	40	60	100
total				16	2	3	-	24	35	280	420	700

CIA-Continuous Internal Assessment

ESE-End Semester Examination

DEPARTMENT OF COMPUTER SCIENCE

SCHEME OF VI SEMESTER B.SC COMPUTER SCIENCE PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Core Theory T13	18-19XXXX	Programming in PHP	3	1	0	0	4	5	40	60	100
2	Core Theory T14	18-19XXXX	Python Programming	3	1	0	0	4	5	40	60	100
3	Core Theory T15	18-19XXXX	Software Engineering	4	0	0	0	4	5	40	60	100
4	Core Theory Elective 3	18-19XXXX	Data mining / Digital Image Processing/Unified Modeling Language	4	1	0	0	5	5	40	60	100
5	Core Practical P7	18-19XXXX	PHP and Python Programming Lab	0	0	3	0	3	5	40	60	100
6	Core Practical P8	18-19XXXX	Mini Project	0	0	5	0	5	5	40	60	100
7	Extension Activities	18-19XXXX	Extension Activities	0	0	1	0	1	0	0	0	0
Total				14	3	5	0	26	30	240	360	600

CIA-Continuous Internal Assessment

ESE-End Semester Examination

Extension Activities – Organized by the Institution.



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai 600 106

PG & Research Department of Commerce

Master in Commerce

(M.COM)

Programme Code: 20

OBE SYLLABUS

Academic Year 2020-2021

CHOICE BASED CREDIT SYSTEM (CBCS)


PROF. S. SESHADRINATHAN
Head of the Department (Shift II)

Head

Department of Commerce
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.



PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.


Dr J JAYASANKAR
Head of the Department (Shift I)

Dr.J.Jayasankar, M.Com., M.Phil., Ph.D
Associate Professor & Head
Research Supervisor & Guide
PG & Research Dept. of Commerce
Dwaraka Doss Goverdhan Doss Vaishnav college
Arumbakkam, Chennai- 600 106.



Post Graduate & Research Department of Commerce

FIRST SEMESTER

S.No	Course Category	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Core Paper I	Advanced Corporate Accounting – I	6	4	3	40	60
2	Core Paper II	Financial Management	6	4	3	40	60
3	Core Paper III	Consumer Behaviour	6	4	3	40	60
4	Specialised Course-I	Logistics & Supply Chain Management	6	4	3	40	60
5	Elective Paper-I	Advanced Statistics	6	4	3	40	60
6	Skill Based	Soft Skill-I		3	3	40	60
	Total		30	23			

SECOND SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Core Paper V	Advanced Corporate Accounting-II	6	4	3	40	60
2	Core Paper VI	Services Marketing	6	4	3	40	60
3	Core Paper VII	Corporate Laws	6	4	3	40	60
4	Specialised Course-II	Corporate Governance , Ethics and Social Responsibility of Business	6	4	3	40	60
5	Elective Paper II	Resource Management Techniques	6	4	3	40	60
6	Skill Based	Soft Skill-I		3	3	40	60
7		Internship	Students Undergo 4 Weeks of Training During Summer Holidays	2	Evaluation by the Internal Marks will be entered in the Third Semester	100	
	Total		30	25			



Post Graduate & Research Department of Commerce

THIRD SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Core Paper VIII	Accounting for Managers – I	6	4	3	40	60
2	Core Paper IX	Research Methodology	6	4	3	40	60
3	Core Paper X	Fundamentals of Information (Practical Paper No Theory Exam)	6	4	3	40	60
4	Elective Paper III	Tax Management – Direct Taxes	6	4	3	40	60
5	Specialised Course-III	India's Foreign Trade and Investment	6	4	3	40	60
6	Skill Based Elective			3	3	40	60
	Total		30	23			

FOURTH SEMESTER

S.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Core Paper XI	Accounting for Managers – II	6	4	3	40	60
2	Core Paper XII	Advertising and Salesmanship	6	4	3	40	60
3	Core Paper XIII	Organisational Behaviour	6	4	3	40	60
4	Elective Paper III	Project Report and Viva Voce	6	4	3	40	60
5	Elective -IV	Indirect Taxes	6	4	3	40	60
6	Soft Skill			3	3	40	60
	Total		30	23			

**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(AUTONOMOUS)
Arumbakkam, Chennai - 600 106.**



**POST GRADUATE & RESEARCH
DEPARTMENT OF MATHEMATICS
(M Sc Mathematics)
Programme Code: 21**

**Academic Year 2020-2021
SYLLABUS
(Choice Based Credit System)
OUTCOME BASED EDUCATION
FOR STUDENTS ADMITTED FROM 2019-2020 ONWARDS**

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

R. VENKATARAMANAN M.Sc., M.Phil.
ASSOCIATE PROFESSOR AND HEAD
P.G. AND RESEARCH DEPT OF MATHEMATICS
DWARAKADOSS GOVERDHAN DOSS
VAISHNAV COLLEGE
CHENNAI - 600 106

M.Sc. Mathematics

DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(AUTONOMOUS)

CHENNAI – 600 106

Program Name: M.Sc. Mathematics

Curriculum and scheme of Examination under CBCS

(Applicable to the students admitted during the Academic Year 2019-2020 and Onwards)

Semester	Subject Code	Title of the Paper	Instruction hours/cycle	Exam. Marks			Duration of Exam (hours)	Credits
				CIA	ESE	TOTAL		
I	1921101	Core Paper I Algebra I	6	40	60	100	3	4
	1921102	Core Paper II Real Analysis I	6	40	60	100	3	4
	1921103	Core Paper III Probability theory	6	40	60	100	3	4
	1921104	Core Paper IV Graph theory	6	40	60	100	3	4
	1921105	Elective I – Paper V Numerical Analysis	4	40	60	100	3	3
	1950101	Soft Skills – I	2	50	50	100	3	2
	Total			30	-	-	600	-
II	1921207	Core Paper VI Algebra II	6	40	60	100	3	4
	1921208	Core Paper VII Real Analysis II	6	40	60	100	3	4
	1921209	Core Paper VIII Differential Equations	6	40	60	100	3	4
	1921210	Core Paper IX Mathematical Statistics	6	40	60	100	3	4
	1921211	Elective II – Paper X Fuzzy sets and their Applications	4	40	60	100	3	3
	1950201	Soft Skills – II	2	50	50	100	3	2
	Total			30	-	-	600	-

III	1921313	Core Paper XI Complex Analysis - I	5	40	60	100	3	4
	1921314	Core Paper XII Topology	5	40	60	100	3	4
	1921315	Core Paper XIII Mechanics	5	40	60	100	3	4
	1921316	Core Paper XIV Differential Geometry	5	40	60	100	3	4
	1921317	Elective III – Paper XV Number Theory and Cryptogaphy	4	40	60	100	3	3
	1921318	Extra Disciplinary I Digital logic Fundamentals	4	40	60	100	3	3
	1960301	Internship	-	-	-	-	-	2
	1950301	Soft Skills III	2	50	50	100	3	2
	Total			30	-	-	700	-
IV	1921419	Core Paper XVI Complex Analysis - II	5	40	60	100	3	4
	1921420	Core Paper XVII Functional Analysis	5	40	60	100	3	4
	1921421	Core Paper XVIII Tensor Analysis and Theory of Relativity	5	40	60	100	3	4
	1921422	Elective IV – Paper XIX Fluid Dynamics	5	40	60	100	3	3
	1921423	Elective V – Paper XX Integral Equations and Calculus of variations	4	40	60	100	3	3
	1921424	Extra Disciplinary II Algorithms	4	40	60	100	3	3
	1950401	Soft skills IV	2	50	50	100	3	2
	Total			30	-	-	700	-
Grand Total			120			2600	-	91



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(Autonomous)
College with Potential for Excellence, Linguistic Minority
Institution Affiliated to University of Madras
Arumbakkam, Chennai 600 106

Department of Physics (Shift II)

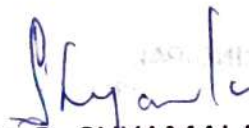
M.Sc. Physics

Programme Code: 22

OUTCOME BASED EDUCATION SYLLABUS

Academic Year 2020–2021

CHOICE BASED CREDIT SYSTEM (CBCS)


Dr. D. SHYAMALA
Head of the Department (Shift II)
P.G. Department of Physics
Dwaraka Doss Goverdhan Doss
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PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(Autonomous)
College with Potential for Excellence, Linguistic Minority Institution
Affiliated to University of Madras
Arumbakkam

M.Sc. Physics
FIRST SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIA	ESE	Total
1		Paper 1 – Mathematical Physics I	6	0	0	0	4	6	40	60	100
2		Paper 2 – Classical Mechanics	6	0	0	0	4	6	40	60	100
3		Paper 3 – Electromagnetic Theory	6	0	0	0	4	6	40	60	100
4		Paper 4 – Integrated Electronics	6	0	0	0	4	6	40	60	100
5		Paper 5 – Practical I	0	0	3	0	Practical examination at the end of Semester II (6 hours)				
6		Paper 6 – Practical II	0	0	3	0					
7		Soft Skill I					2		25	25	50
Total							18	30	185	265	450

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SECOND SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIE	SEE	Total
1		Paper 7 – Mathematical Physics II	6	0	0	0	4	6	40	60	100
2		Paper 8 – Quantum Mechanics I	6	0	0	0	4	6	40	60	100
3		Paper 5 – Practical I	0	0	3	0	4	3	40	60	100
4		Paper 6 – Practical II	0	0	3	0	4	3	40	60	100
5		Paper 9 – Spectroscopy/General Relativity/Group Theory	6	0	0	0	5	6	40	60	100
6		Paper 10 – Introduction to Microprocessor and Microcontroller 8051	6	0	0	0	4	6	40	60	100
7		Soft Skill II					2		40	60	100
Total							27	30	280	420	700

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THIRD SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIE	SEE	Total
1		Paper 11 – Statistical Mechanics	6	0	0	0	4	6	40	60	100
2		Paper 12 – Quantum Mechanics II	6	0	0	0	4	6	40	60	100
3		Paper 13 – Practical III	0	0	3	0	Practical examination at the end of Semester IV (6 hours)				
4		Paper 14 – Practical IV	0	0	3	0					
5		Paper 15 – Medical Physics/Relativistic Quantum Mechanics/Laser & Non-linear Optics	6	0	0	0	5	6	40	60	100
6		Paper 16 – Materials Synthesis and Characterization	6	0	0	0	4	6	40	60	100
7		Soft Skill III					2		40	60	100
		Industrial/Academic Internship (not less than 4 weeks)					2				
Total							21	30	200	300	500

B.L.V.

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Arumbakkam

FOURTH SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIE	SEE	Total
1		Paper 17 – Condensed Matter Physics	6	0	0	0	4	6	40	60	100
2		Paper 18 – Nuclear & Particle Physics	6	0	0	0	4	6	40	60	100
3		Paper 13 – Practical III	0	0	3	0	4	3	40	60	100
4		Paper 14 – Practical IV	0	0	3	0	4	3	40	60	100
5		Paper 19 – Computational Methods and C programming	6	0	0	0	5	6	40	60	100
6		Soft Skill IV					2		40	60	100
7		Paper 20 – Project	6	0	0	0	4	6	40	60	100
Total							27	30	280	420	700

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College with Potential for Excellence
Linguistic Minority Institution Affiliated to University of Madras
Arumbakkam, Chennai – 600106

POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

CHOICE BASED CREDIT SYSTEM (CBCS)

OUTCOME BASED EDUCATION (OBE) SYLLABUS

M.Sc. CHEMISTRY
Programme Code:23

Academic year 2020 – 2021

Dr. K. Premalatha

Associate Professor and Head

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Dwaraka Doss Goverdhan Doss
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Arumbakkam

SCHEME OF EXAMINATION - M.Sc. CHEMISTRY

SEM	PART	TITLE OF THE PAPER	INSTRUCTION HOURS/WEEK	DURATION OF EXAM	MAX. MARKS			CREDITS
					CIA	ESE	TOTAL	
SEMESTER-I								
I	Core I	Organic Chemistry – I	6	3	40	60	100	4
	Core II	Inorganic Chemistry-I	6	3	40	60	100	4
	Core III	Physical Chemistry-I	6	3	40	60	100	4
	Soft Skill I	-	-	3	40	60	100	2
SEMESTER-II								
II	Core IV	Organic Chemistry-II	6	3	40	60	100	4
	Core V	Inorganic Chemistry-II	6	3	40	60	100	4
	Core VI	Physical Chemistry-II	6	3	40	60	100	4
	Core VII	Organic Chemistry Practical - I*	7	6	40	60	100	4
	Core VIII	Inorganic Chemistry Practical – I*	7	6	40	60	100	4
	Elective I	Physical Chemistry Practical – I* OR Computational Chemistry	5	6	40	60	100	3
	Soft Skill II	-	-	3	40	60	100	2
	Advanced Course	Analytical Chemistry Practical-I*	5	6	40	60	100	3
	Open Elective	Seminar	7	-	-	-	-	3
SEMESTER-III								
III	Core IX	Organic Chemistry-III	6	3	40	60	100	4
	Core X	Inorganic Chemistry-III	6	3	40	60	100	4
	Core XI	Physical Chemistry-III	6	3	40	60	100	4
	Soft Skill III	-	-	3	40	60	100	2
		Internship (not less than 4 weeks)	-	-	-	-	-	2

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SEMESTER-IV								
IV	Core XII	Organic Chemistry-IV	6	3	40	60	100	4
	Core XIII	Inorganic Chemistry-IV	6	3	40	60	100	4
	Core XIV	Physical Chemistry-IV	6	3	40	60	100	4
	Core XV	Physical Chemistry Practical II*	5	6	40	60	100	4
	Elective II	Organic Chemistry Practical II* OR Research Methodology	7	6	40	60	100	3
	Elective III	Inorganic Chemistry Practical II* OR Modern Instrumental Techniques	5	6	40	60	100	3
	Soft Skill IV	-		3	40	60	100	2
	Advanced Course	Analytical Chemistry Practical-II*	5	6	40	60	100	3
		Group Project / Review*	-	6	40	60	100	3
TOTAL CREDITS								
Elective:12;CORE: 60;Soft skill: 8;Advanced course:6;Group project:3 Seminar: 3;Internship: 02								94

K. P. [Signature]

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**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV
COLLEGE**



Department of Biochemistry
Outcome Based Education (OBE) &
Choice Based credit system

Programme & Programme Code
M.Sc Biochemistry (24)

Applicable for students admitted from the academic year 2020-2021 onwards

PRINCIPAL
Dwaraka Doss Goverdhan Doss;
Vaishnav College
Arumbakkam, Chennai - 600106..

Head
Department of Biochemistry
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai 600 190.

M.SC I SEMESTER

Sl. NO	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
			L	T	P	S			CIE	ES E	Total
Part – I	Core paper-I	Biomolecules	3	0	1	0	4	4	40	60	100
	Core paper-II	Intermediary Metabolism	3	1	0	0	4	4	40	60	100
	Core paper-III	Plant Biochemistry	4	0	0	0	4	4	40	60	100
	Core paper-IV	Enzymes	2	1	0	1	4	4	40	60	100
	Elective I	Membrane Biochemistry/Phytomedicine/Stem cell biology	4	0	0	0	3	4	40	60	100
	Core Practical	Major Practical –I	0	0	3	1		5	40	60	100
	Core Practical	Major Practical –II	0	0	3	0		5			
Part – IV		Soft Skill	2	0	0	0	2	-	40	60	100
Total							21	30	280	420	700

M.SC II SEMESTER

Sl. NO	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
			L	T	P	S			CIE	SEE	Total
Part I	Core Paper-V	Analytical Biochemistry	3	1	0	0	4	4	40	60	100
	Core Paper-VI	Human Physiology and Nutrition	3	1	0	0	4	4	40	60	100
	Core Paper-VII	Molecular Biology	3	0	1	0	4	4	40	60	100
	Elective paper II	Biotechnology/Ecology & Population Education/ Microbiology	3	0	0	1	3	4	40	60	100
	Elective – III	Bioethics, IPR & HR/ Organization behavior/ Good lab practices	3	0	0	1	3	4	40	60	100
	Core practical	Major practical -I	0	0	3	1	4	5	40	60	100
	Core Practical	Major Practical –II	0	0	4	0	4	5	40	60	100
Part – IV		Soft Skill	-	-	-	-	2	-	50	50	100
		Summer Internship will be carried out during the summer vacation of the first year for 4-6 weeks in any hospital, industry at the end of II semester. Marks will be included in the third Semester Marks Statement.					2				
Total							30	30	330	470	800

M.SC III SEMESTER

Sl. NO	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
			L	T	P	S			CIE	ESE	Total
Part I	Core paper VIII	Advanced Clinical biochemistry	4	0	0	0	4	5	40	60	100
	Core Paper-IX	Biostatistics	3	0	1	0	4	5	40	60	100
	Core Paper-X	Research Methodology	4	0	0	0	4	5	40	60	100
	Elective paper-IV	Hormonal biochemistry/ Advanced MLT/ Bioentrepreneurship	3	0	0	1	3	5	40	60	100
	Core Practical	Major Practical –III	40	0	4	0	-	5	40	60	100
Part – II	Advanced	Bioinformatics	4	0	0	0	3	5	40	60	100
Part – IV		Soft Skill	2	0	0	0	2	-	40	60	100
Total							20		280	420	700

M.SC IV SEMESTER

Sl. NO	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
			L	T	P	S			CIE	SEE	Total
Part - I	Core paper- XI	Immunology	4	0	0	0	4	5	40	60	100
	Core Project	Project Dissertation -	0	0	3	1	4	10	20	80	100
	Core practical	Major practical-III	0	0	4	0	4	5	40	60	100
Part-II	Advanced	Nutrigenomics	3	1	0	0	3	5	40	60	100
	Elective V	Lifestyle disease & prevention/ Free radical biology / Healthcare management	3	0	0	1	3	5	40	60	100
	Part - IV	Soft Skill	0	0	2	0	2		40	60	100
Total							20	30	220	380	600

**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV
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**“Gokulbagh” 833, Periyar E.V.R. Salai,
Arumbakkam, Chennai – 106**



Syllabus

M.Sc., Biotechnology (2020-2021)

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION (OBE)

PROGRAMME CODE: 025

**POST GRADUATE – DEPARTMENT OF
BIOTECHNOLOGY**

(Applicable for students admitted for the academic year 2020-21)

M.D. Balakrishnan
Head
Department of Biotechnology
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

B. L. S.
PRINCIPAL
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Vaishnav College
Arumbakkam, Chennai - 600106.

DEPARTMENT OF BIOTECHNOLOGY

SCHEME OF FIRST SEMESTER M.SC., PROGRAM

Sl. NO	Course	BOS	Credit Distribution				Over all Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1.	Core Paper-1 Biochemistry	BT	4	0	0	0	4	40	60	100
2.	Core Paper-2 Molecular Cell Biology	BT	4	0	0	0	4	40	60	100
3.	Core Paper-3 Microbiology	BT	4	0	0	0	4	40	60	100
4.	Core Paper-4 Immunology	BT	4	0	0	0	4	40	60	100
5.	Elective Paper – 1A* Molecular Genetics	BT	4	0	0	0	3	40	60	100
	Elective Paper – 1B* Ecology, Evolution and Behavior	BT	4	0	0	0	3	40	60	100
	Elective Paper – 1C* Developmental Biology	BT	4	0	0	0	3	40	60	100
6.	Core Practical - I Biochemistry and Molecular Cell Biology	BT	0	5	0	0	2	40	60	100
7.	Core Practical - II* Microbiology, Immunology and Immunotechnology	BT	0	5	0	0	2	40	60	100
8.	Soft Skill – I						2	50	50	100
	Total						25	330	470	800

* Any one elective paper should be chosen by the candidate.

DEPARTMENT OF BIOTECHNOLOGY

SCHEME OF SECOND SEMESTER M.SC., PROGRAM

Sl. No	Course	BOS	Hour Distribution				Over all Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1.	Core Paper-5 Animal Biotechnology	BT	4	0	0	0	4	40	60	100
2.	Core Paper-6 Plant Biotechnology	BT	4	0	0	0	4	40	60	100
3.	Core Paper-7 Environmental Biotechnology	BT	4	0	1	0	4	40	60	100
4.	Extra Disciplinary – 1 Pharmaceutical Biotechnology	BT	3	0	1	0	3	40	60	100
	Elective Paper – 2A*Forensic Science	BT	3	0	1	0	3	40	60	100
	Elective Paper – 2B* Marine Biotechnology	BT	3	0	1	0	3	40	60	100
	Elective Paper – 2C*DNA Bar Coding Technology	BT	3	0	1	0	3	40	60	100
5.	Elective Paper – 3A* Animal and Plant Physiology	BT	3	0	1	0	3	40	60	100
	Elective Paper – 3B*Clinical Trials	BT	3	0	1	0	3	40	60	100
	Elective Paper – 3C*Stem cell Biology	BT	3	0	1	0	3	40	60	100
6.	Core Practical - III Animal Biotechnology, Plant Biotechnology and Environmental Biotechnology	BT	0	6	0	0	2	40	60	100
7.	Soft Skill – II						2	50	50	100
8.	Mini project/Internship*	BT					2			
9.	Total						27	330	470	800

Mini project/
Internship*

* Summer Internship/ Mini project will be carried out during end of the first year for at least 4-6 weeks duration in any industry and institutes. Credits will be included in third Semester mark statement.

* Any one elective paper should be chosen by the candidate

DEPARTMENT OF BIOTECHNOLOGY

SCHEME OF THIRD SEMESTER M.SC., PROGRAM

Sl. No	Course	BOS	Hour Distribution				Over all Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1.	Core Paper-8 Genetic Engineering	BT	4	0	0	0	4	40	60	100
2.	Core Paper-9 Bioprocess Technology	BT	4	0	0	0	4	40	60	100
3.	Core Paper-10 Bioinformatics	BT	4	0	0	0	4	40	60	100
4.	Core Paper-11 Enzymes & enzyme Technology	BT	4	0	0	0	4	40	60	100
5.	Elective Paper – 4A* Advanced Molecular techniques	BT	4	0	0	0	3	40	60	100
	Elective Paper – 4B* Nano Biotechnology	BT	4	0	0	0	3	40	60	100
	Elective Paper – 4C* Tissue Engineering	BT	4	0	0	0	3	40	60	100
6.	Core Practical - IV Genetic Engineering and Bioprocess Technology	BT	0	5	0	0	2	40	60	100
7.	Core Practical - V Bioinformatics and Enzymes & enzyme Technology	BT	0	5	0	0	2	40	60	100
8.	Soft Skill – I						2	50	50	100
	Total						25	330	470	800

Core Practical - IV & V* - Examination will be conducted during the end of the even semester.

DEPARTMENT OF BIOTECHNOLOGY

SCHEME OF FOURTH SEMESTER M.SC., PROGRAM

Sl. No	Course	BOS	Hour Distribution				Over all Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1.	Extra Disciplinary – 2 Research Methodology, Bioethics & Biostatistics	BT	5	0	0	0	3	40	60	100
2.	Open Elective – 1 Herbal Technology	BT	5	0	0	0	3	40	60	100
3.	Project dissertation & Viva voce	BT	0	15	0	0	6	40	60	100
4.	Soft Skill – IV						2	50	50	100
	Total						14	170	230	400

DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE



DEPARTMENT OF MICROBIOLOGY

Choice Based credit system

Outcome Based Education Syllabus

ACADEMIC YEAR 2020 - 2021

Programme Name : M.Sc. Applied Microbiology

Programme Code : 26

Head

P.G. Research Department of Microbiology
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

SCHEME OF I SEMESTER APPLIED MICROBIOLOGY PROGRAM

Sl. No	Course Category	Course	Hours Distribution				Over all Credits	Total Contact Hrs/ Wk	Marks		
			L	T	P	S			CI A	ESE	Total
1	Core	Fundamentals of Microbiology & Microbial Physiology	4	0	0	0	4	4	40	60	100
2	Core	Medical Microbiology - I	4	0	0	0	4	4	40	60	100
3	Core	Basics in Immunology & Immunotechnology	4	0	0	0	4	4	40	60	100
4	Core	Microbial Genetics & Molecular biology	4	0	0	0	4	4	40	60	100
5	Elective – I-A	Bioinformatics**	3	0	0	0	3	3	40	60	100
		OR									
6	Elective – I-B	Cell Biology**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – I-C	Forensic Biology**	3	0	0	0	3	3	40	60	100
7	Core	Practical - I *	0	0	4	0	4	11	40	60	100
8		Industrial Visit***					EC				
9		Soft Skills					2				
10		Certificate Course - I****									
		Total					25	30			

* Practical Examinations will be conducted in even semester only

** To be opted by Student

*** Industrial Visit (Extra credit - EC)

**** Certificate Courses

SCHEME OF II SEMESTER APPLIED MICROBIOLOGY PROGRAM

Sl. No	Course category	Course	Hours Distribution				Over all Credits	Total Cont act Hrs/ Wk	Marks		
			L	T	P	S			CI E	SEE	Tota I
1	Core	Food, Dairy & Industrial Microbiology	4	0	0	0	4	4	40	60	100
2	Core	Medical Microbiology - II	4	0	0	0	4	4	40	60	100
3	Core	Research Methodology and Biostatistics	4	0	0	0	4	4	40	60	100
5	Elective – II-A	Environmental Microbiology**	3	0	0	0	3	3	40	60	100
		OR									
6	Elective – II-B	Tissue Biotechnology**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – II-C	Marine Biotechnology**	3	0	0	0	3	3	40	60	100
	Elective – III-A	Poultry Farming**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – III-B	Apiculture**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – III-C	Nutrition & Dietetics**	3	0	0	0	3	3	40	60	100
7	Core	Practical - II *	0	0	4	0	4	12	40	60	100
8		Minor Project/ Internship					2				
		Industrial Visit***					EC				
9		Soft Skills					2				
10		Certificate Course - I****									
Total							26	30			

* Practical Examinations will be conducted in even semester only

** To be opted by Student

*** Industrial Visit (Extra credit - EC)

**** Certificate Courses

SCHEME OF III SEMESTER APPLIED MICROBIOLOGY PROGRAM

Sl. No	Course Category	Course	Hours Distribution				Over all Credits	Total Contact Hrs/Wk	Marks		
			L	T	P	S			CI A	ESE	Total
1	Core	Recombinant DNA Technology	4	0	0	0	4	4	40	60	100
2	Core	Principles of Bioprocess Technology & Pharmaceutical Microbiology	4	0	0	0	4	4	40	60	100
3	Elective – IV-A	Bioinstrumentation**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – IV-B	Soil & Agricultural Microbiology**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – IV-C	Brewing Technology**	3	0	0	0	3	3	40	60	100
4	Elective – V-A	Nanobiotechnology **	3	0	0	0	3	3	40	60	100
		OR									
	Elective – V-B	Biodegradation Technology**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – V-C	Biosafety and Clinical Research **	3	0	0	0	3	3	40	60	100
5	Elective – VI-A	Aquaculture**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – VI-B	Laboratory Animals for pre-clinical studies**	3	0	0	0	3	3	40	60	100
		OR									
	Elective – VI-C	Biodiversity & Conservation**	3	0	0	0	3	3	40	60	100
6	Core	Practicals - III *	0	0	4	0	4	13	40	60	100
7		Industrial Visit***					EC				
8		Soft Skills					2				

9			Certificate Course - III****									
Total								23	30			

*** Practical Examinations will be conducted in even semester only**

**** To be opted by Student**

***** Industrial Visit (Extra credit - EC)**

****** Certificate Courses**

SCHEME OF IV SEMESTER APPLIED MICROBIOLOGY PROGRAM

Sl. No	Course category	Course	Hours Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CI E	SEE	Total
1	Core	Entrepreneurship in Microbiology	4	0	0	0	4	4	40	60	100
2	Elective – VII	Bio fertilizer Technology and Organic Farming**	3	0	0	0	3	3	40	60	100
3	Core	Practical - IV *	0	0	4	0	4	10	40	60	100
4		Project/ Dissertation Viva – Voce	2	0	2	0	4	13			
5		Industrial Visit***					EC				
6		Soft Skills					2				
Total							17	30			

*** Practical Examinations will be conducted in even semester only**

**** To be opted by Students of other departments**

***** Industrial Visit**




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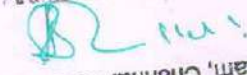
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Affiliated to University of Madras
Arumbakkam, Chennai – 600 106

PG DEPARTMENT OF COMPUTER SCIENCE
M.Sc. COMPUTER SCIENCE
Course Code: 27
OUTCOME BASED SYLLABUS
With effect from 2020-2021
CHOICE BASED CREDIT SYSTEM


Head of the Department
Department of Computer Science
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

PRINCIPAL
Dwaraka Doss Goverdhan Doss
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Arumbakkam, Chennai - 600106.


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Arumbakkam, Chennai - 600106.

SCHEME OF I SEMESTER M.Sc. COMPUTER SCIENCE PROGRAM

S. No	Course Category	Course Code	Course	Hour Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CI A	ES E	Total
1	Core Paper I		Design and Analysis of Algorithms	4	0	0	0	4	4	40	60	100
2	Core Paper II		Programming in Python	4	0	0	0	4	4	40	60	100
3	Core Paper III		Computer networks	4	0	0	0	4	4	40	60	100
4	Core Paper IV		Programming in PHP	4	0	0	0	4	4	40	60	100
5	Elective I		Object Oriented Software Engineering/ Unified Modeling Language/ OOAD	4	0	0	0	3	4	40	60	100
6	Core Paper V		Practical - I : Python Programming lab	0	0	5	0	2	5	40	60	100
7	Core Paper VI		Practical - II : PHP Programming lab	0	0	5	0	2	5	40	60	100
8	Spoken Tutorial		Python	0	0	0	0	1	-	-	-	-
9	Soft Skills		Effective Communication in English I	2	0	0	0	2	-	50	50	100
Total								26	30	330	470	800

SCHEME OF II SEMESTER M.Sc. COMPUTER SCIENCE PROGRAM

S. No	Course Category	Course Code	Course	Hour Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIE	ES E	Total
1	Core Paper VII		Digital Image Processing	4	0	0	0	4	4	40	60	100
2	Core Paper VIII		Advanced Database Management Systems	4	0	0	0	4	4	40	60	100
3	Core Paper IX		Enterprise Computing	4	0	0	0	4	4	40	60	100
4	Core Paper X		Data warehousing and Data mining	4	0	0	0	4	4	40	60	100
5	Elective II		Mobile Communication/High Speed Networks / WAP and XML	4	0	0	0	3	4	40	60	100
6	Core Paper XI		Practical - III : Enterprise Computing Lab	0	0	5	0	2	5	40	60	100
7	Core Paper XII		Practical - IV : Data mining Lab - using Python	0	0	5	0	2	5	40	60	100
8	Spoken Tutorial		LINUX	0	0	0	0	1	-	-	-	-
9	Soft Skills		English for Competitive Exams	0	0	0	0	2	-	50	50	100
10	Internship - I		Summer Internship	0	0	0	0	2	3-4 Weeks			
Total								28	30	330	470	800

SCHEME OF III SEMESTER M.Sc. COMPUTER SCIENCE PROGRAM

S. No	Course Category	Course Code	Course	Hour Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CIE	ES E	Total
1	Core Paper XIII		Soft Computing	4	0	0	0	4	4	40	60	100
2	Core Paper XIV		Internet Technology	4	0	0	0	4	4	40	60	100
3	Core Paper XV		Cloud Computing	4	0	0	0	4	4	40	60	100
4	Core Paper XVI		Big Data Analytics	4	0	0	0	4	4	40	60	100
5	Elective III		Cryptography/ Information security/ Internet Security And Computer Forensics	4	0	0	0	3	4	40	60	100
6	Core Paper XVII		Practical - V : Internet Technology Lab	0	0	5	0	2	5	40	60	100
7	Core Paper XVIII		Practical - VI : Big Data Lab	0	0	5	0	2	5	40	60	100
8	Spoken Tutorial		JAVA	0	0	0	0	1	-	-	-	-
9	Soft Skills		Personality Development	0	0	0	0	2	-	50	50	100
Total								26	30	330	470	800

SCHEME OF IV SEMESTER M.Sc. COMPUTER SCIENCE PROGRAM

S. No	Course category	Course Code	Course	Hour Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CI E	ES E	To tal
1	Core Paper XIX		Project & Viva-Voce	0	0	0	0	15	-	40	60	100
2	Spoken Tutorial		LaTeX	0	0	0	0	1	-	-	-	-
3	Soft Skills		Presentation	0	0	0	0	2	-	50	50	100
4	Certificate Course		MOOC Certificate Course (NPTEL)	0	0	0	0	2	-	-	-	-
Total								20	-	90	110	200



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Arumbakkam, Chennai – 600 106


**PG DEPARTMENT OF COMPUTER SCIENCE
M.Sc. INFORMATION TECHNOLOGY**

Course Code: 28

OUTCOME BASED SYLLABUS

With effect from 2020-2021

Choice Based Credit System


Head of the Department
Department of Computer Science
Dwaraka Doss Goverdhan Doss
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Vaishnav College
Arumbakkam, Chennai - 600 106.

SCHEMA OF I SEMESTER M.Sc. INFORMATION TECHNOLOGY COURSE

S. No	Course Category	Course Code	Course	Hours Distribution				Overall credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	TOT
1	Core Theory-1		Operating System.	4	0	0	0	4	4	40	60	100
2	Core Theory-2		Computer Organization and Architecture.	4	0	0	0	4	4	40	60	100
3	Core Theory-3		Database Management Systems.	4	0	0	0	4	4	40	60	100
4	Core Theory-4		Principles of Programming Languages.	4	0	0	0	4	4	40	60	100
5	Core Theory Elective-1		Linux System Administration or Windows Programming or Unix Programming.	4	0	0	0	3	4	40	60	100
6	Practical-1		Practical – I: OS Lab	0	0	5	0	2	5	40	60	100
7	Practical-2		Practical – II : MYSQL Lab	0	0	5	0	2	5	40	60	100
8	Soft Skill		Effective Communication in English I.	0	0	0	0	2	-	50	50	100
9	ST**		Introduction to Computers.	0	0	0	0	1	-	-	-	-
Total								26	30	330	470	800

SCHEMA OF II SEMESTER M.Sc. INFORMATION TECHNOLOGY COURSE

S. No	Course Category	Course Code	Course	Hours Distribution				Overall credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	TOT
1	Core Theory-5		Data Structures and Algorithms	4	0	0	0	4	4	40	60	100
2	Core Theory-6		Computer Networks	4	0	0	0	4	4	40	60	100
3	Core Theory-7		Microprocessor and Microcontroller	4	0	0	0	4	4	40	60	100
4	Core Theory-8		Programming in PHP	4	0	0	0	4	4	40	60	100
5	Core Theory Elective-2		Object Oriented Software Engineering/Unified Modelling Language/OOAD	3	0	0	0	3	4	40	60	100
6	Practical-3		Practical – III: Microprocessor Lab	0	0	5	0	2	5	40	60	100
7	Practical-4		Practical – IV: PHP Programming Lab	0	0	5	0	2	5	40	60	100
8	Soft Skill		English for Competitive Exams	0	0	0	0	2	-	50	50	100
9	ST**		LINUX	0	0	0	0	1	-	-	-	-
10	----		Summer Internship	0	0	0	0	2	3-4 weeks	-	-	-
Total								28	30	330	470	800

SCHEMA OF III SEMESTER M.Sc. INFORMATION TECHNOLOGY COURSE

S. No	Course Category	Course Code	Course	Hours Distribution				Overall credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	TOT
1	Core Theory-9		Enterprise Computing	4	0	0	0	4	4	40	60	100
2	Core Theory-10		Programming in Python	4	0	0	0	4	4	40	60	100
3	Core Theory-11		Data Warehousing and Data Mining	4	0	0	0	4	4	40	60	100
4	Core Theory-12		Software Testing	4	0	0	0	4	4	40	60	100
5	Core Theory Elective-3		Cryptography/Information Security /Internet Security and Computer Forensics	4	0	0	0	3	4	40	60	100
6	Practical-5		Practical – V: Enterprise Computing Lab	0	0	5	0	2	5	40	60	100
7	Practical-6		Practical–VI:Python Lab	0	0	5	0	2	5	40	60	100
8	Soft Skill		Personality Development	0	0	0	0	2	0	50	50	100
9	ST**		PHP and MYSQL	0	0	0	0	1	-	-	-	-
Total								26	30	330	470	800

SCHEMA OF IV SEMESTER M.Sc. INFORMATION TECHNOLOGY COURSE

S. No	Course Category	Course Code	Course	Hours Distribution				Overall credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	TOT
1	Core		Project & Viva-Voce	0	0	0	0	15	-	40	60	100
2	Soft Skill		Presentation Skills	0	0	0	0	2	-	50	50	100
3	ST**		LaTeX	0	0	0	0	1	-	-	-	-
4	Certificate Course***		MOOC Certificate Course(NPTEL)	0	0	0	0	2	-	-	-	-
Total								20	-	90	110	200
Total Credits of the Course								100				



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**PG AND RESEARCH DEPARTMENT OF MASTER OF
COMPUTER APPLICATIONS (MCA)**

MCA – PROGRAM CODE – 29

SYLLABUS WITH EFFECT FROM 2020-21

OUTCOME BASED EDUCATION (OBE)

UNDER CHOICE BASED CREDIT SYSTEM

PRINCIPAL
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Associate Professor & Head
P.G. & Research Department of
Computer Applications
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600 106.

DEPARTMENT OF M.C.A

SCHEME OF I SEMESTER M.C.A PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Core Theory T1	XX29101	Principles of Database Management Systems	3	1	0	0	4	4	40	60	100
2	Core Theory T2	XX29102	Advanced Java Programming	3	1	0	0	4	4	40	60	100
3	Core Theory T3	XX29103	Advanced Data Structures and algorithms	4	0	0	0	4	4	40	60	100
4	Core Theory T4	XX29104	Operating System Concepts	4	0	0	0	4	4	40	60	100
5	Non-Major Elective 1	XX29105	Basics of Statistics	4	0	0	0	4	4	40	60	100
6	Core Practical P1	XX29106	Database Programming Lab	0	0	5	0	2	5	40	60	100
7	Core Practical P2	XX29107	Advanced Java Programming Lab	0	0	5	0	2	5	40	60	100
8	Soft Skills*	----	Soft Skills-I	0	0	0	0	2	0	50	50	100
9	ST**	XX29108	Spoken Tutorial I-LINUX	0	0	0	0	1	0	-	-	-
Total				-	-	-	-	27	30	330	470	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

Soft Skills*- Syllabus framed and approved by English Department.

ST** - Courses offered by IIT Mumbai through Spoken Tutorial Project MHRD Govt. of India. Online Examination will be conducted and qualified students (minimum passing percentage of 40%) will be issued certificate by IIT Mumbai. Students will submit a copy of the certificate after qualifying the online test as a proof to the COE's office to earn 1 credit for the same.

XX -Year of Admission

DEPARTMENT OF M.C.A

SCHEME OF II SEMESTER M.C.A PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Core Theory T5	XX29209	Python for Data Science	3	1	0	0	4	4	40	60	100
2	Core Theory T6	XX29210	Mobile Application Development	3	1	0	0	4	4	40	60	100
3	Core Theory T7	XX29211	Fundamentals of Machine Learning	4	0	0	0	4	4	40	60	100
4	Core Theory T8	XX29212	Mobile Communications	4	0	0	0	4	4	40	60	100
5	Core Theory Elective 1	XX29213(A) XX29213(B) XX29213(C)	a. Principles of Digital Image Processing b. Introduction to Multimedia c. Computer Animation	4	0	0	0	4	4	40	60	100
6	Core Practical P3	XX29214	Python for Data Science Lab	0	0	5	0	2	5	40	60	100
7	Core Practical P4	XX29215	Mobile Application Development Lab	0	0	5	0	2	5	40	60	100
8	Intern#	XX29216	Summer Internship	0	0	0	0	1	0	-	-	-
9	Soft Skills*	----	Soft Skills-II	0	0	0	0	2	0	50	50	100
10	ST**	XX29217	Spoken Tutorial II-PYTHON	0	0	0	0	1	0	-	-	-
Total				-	-	-	-	28	30	330	470	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

Intern# -Internship will be carried out by the students during their second semester/ summer vacation of the first year with a minimum of 3 weeks/21 days (as per UGC guidelines) and the internship certificate should be sent to the COE office and the same will be included in the Second Semester Marks Statement to earn 1 credit.

Soft Skills*- Syllabus framed and approved by English Department.

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XX -Year of Admission

DEPARTMENT OF M.C.A

SCHEME OF III SEMESTER M.C.A PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Core Theory T9	XX29318	Introduction to Big Data Analytics	3	1	0	0	4	4	40	60	100
2	Core Theory T10	XX29319	Dot Net Programming	3	1	0	0	4	4	40	60	100
3	Core Theory T11	XX29320	Principles of Cloud Computing	4	0	0	0	4	4	40	60	100
4	Core Theory Elective 2	XX29321(A) XX29321(B) XX29321(C)	a. Computer Forensics and Bioinformatics b. Network Security c. Information Security	4	0	0	0	4	4	40	60	100
5	Core Theory Elective 3	XX29322(A) XX29322(B) XX29322(C)	a. Introduction to Internet of Things b. Block Chain Technology c. Green Computing	4	0	0	0	4	4	40	60	100
6	Core Practical P5	XX29323	Big Data Analytics Lab	0	0	5	0	2	5	40	60	100
7	Core Practical P6	XX29324	Dot Net Programming Lab	0	0	5	0	2	5	40	60	100
8	Soft Skills*	-----	Soft Skills-III	0	0	0	0	2	0	50	50	100
9	ST**	XX29325	Spoken Tutorial III-GIT	0	0	0	0	1	0	-	-	-
Total				-	-	-	-	27	30	330	470	800

CIA-Continuous Internal Assessment

ESE-End Semester Examination

Soft Skills*- Syllabus framed and approved by English Department.

ST** - Courses offered by IIT Mumbai through Spoken Tutorial Project MHRD Govt. of India. Online Examination will be conducted and qualified students (minimum passing percentage of 40%) will be issued certificate by IIT Mumbai. Students will submit a copy of the certificate after qualifying the online test as a proof to the COE's office to earn 1 credit for the same.

XX -Year of Admission

DEPARTMENT OF M.C.A

SCHEME OF IV SEMESTER M.C.A PROGRAMME

Sl. No.	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	Core Project T13	XX29426	Project Work	0	0	0	0	12	-	40	60	100
2	Certificate Course ##	XX29427	Certificate Course-NPTEL	0	0	0	0	2	-	-	-	-
3	Soft Skills*	-----	Soft Skills-IV	0	0	0	0	2	-	50	50	100
4	ST**	XX29428	Spoken Tutorial IV-LATEX	0	0	0	0	1	-	-	-	-
Total								17	-	90	110	200

CIA-Continuous Internal Assessment

ESE-End Semester Examination

Certificate Course ## -Certificate Courses offered by NPTEL. Students should complete any one Certificate Course (Not Less Than 8 Weeks) within the duration of the course (on or before the completion of the final semester). Students will submit a copy of the certificate issued by NPTEL after qualifying as a proof to the COE's office to earn 2 credits for the same.

Soft Skills*- Syllabus framed and approved by English Department.

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XX -Year of Admission



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Arumbakkam, Chennai – 600 106

School of Management

(NEW Curriculum - Syllabus, effective from APRIL – 2020)

Choice Based Credit System (CBCS)

Outcome based Education (OBE)

M.B.A.

Scheme and Syllabus

DG Vaishnav College
#833, EVR Periyar High Road,
Arumbakkam, Chennai – 600106

Phone – 91-44-23635104
Web site: www.dgvcmba.com

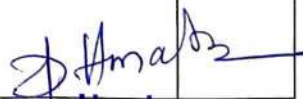
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4	Scheme of First Semester MBA	4
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SYLLABUS		
6	Syllabus of First Semester MBA:	6 - 24
	<ul style="list-style-type: none"> a) MBA-101 Management Process And Organizational Behavior b) MBA102 Statistics For Management c) MBA 103 Economics For Managers d) MBA104 Accounting For Managers e) MBA105 legal Systems In Business f) MBA 106 International Business Management g) MBA107 Entrepreneurship F) MBA-S-101 Soft Skills-I – Advanced Computing Skills 	
7	Syllabus of Second Semester MBA:	25
	<ul style="list-style-type: none"> a) MBA201 Human Resource Management b) MBA202 Resource Management Techniques c) MBA 203 Operations Management d) MBA204 Financial Management e) MBA205 Research Methodology f) MBA206 Management Information Systems g) MBA207 Marketing Management h) MBA-S-201 Soft Skills-II- Advanced Language & Presentation Skills i) MBA-299 Internship I 	
	Syllabus of Third Semester MBA:	
	<ul style="list-style-type: none"> a) MBA301 Strategic Management b) MBA302 Total Quality Management c) *Elective 1 to 4 	


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	d) MBA-S-301 Soft Skills-II Spoken and Presentation skills e) MBA-399 Internship 2	
	Syllabus of Fourth Semester MBA: a) *Elective 5 to 8 b) MBA-S-401 Soft Skills-Managerial Skills c) MBA-499 Final Project	
8	Syllabus of Business Analytics/CIMA	
9	Appendix A Outcome Based Education	
10	Appendix B Graduate Parameters as defined by National Board of Accreditation	
11	Appendix C Bloom's Taxonomy	

**List of Electives mentioned in Scheme of Syllabus*


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VISION

Our Vision is to emerge as a centre of excellence in Management, imparting value based education to develop transformational leaders with functional expertise and entrepreneurial perspectives.

MISSION

M1	Impart Quality Education to the students in core areas and business management with moral Values through our dedicated team.
M2	Create learning atmosphere that fosters individual intellectual development.
M3	Provide platform for the students to explore their innovative and creative skills.
M4	Promoting activities to cultivate the spirit of Entrepreneurship to the students
M5	Empowering the students in Organizing Events to gain Experience in Team work and Leadership Qualities.
M6	Preparing the students for their role as MBA in society with an awareness of Ethical, Environment, Economies, safety and Quality Issues.

PROGRAM EDUCATION OBJECTIVES (PEOs)

PEO1	Successful Professionals in Leading National and International Business Enterprise or Research/ Academic or Entrepreneurs.
PEO2	Attitudes and abilities of Leader to adapt the Changing Global Business Scenario.
PEO3	Good Professional Personality and Ethical Values to lead as responsible citizens and competent professionals.

PEO TO MISSION STATEMENT MAPPING

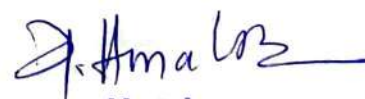
MISSION STATEMENTS	PEO1	PEO2	PEO3
M1	3	3	3
M2	3	1	2
M3	3	2	-
M4	3	3	2
M5	3	2	-
M6	3	2	2

CORRELATION

3 - STRONG 2 - MEDIUM 1 - LOW (-) - NO CORRELATION



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PROGRAM OUTCOMES (PO) WITH GRADUATE ATTRIBUTES

PO1	Domain Knowledge	Apply Knowledge of Management Theories & Practices to solve Business Problems
PO2	Critical Thinking & Decision Making / Problem Solving	Foster Analytical & Critical Thinking abilities for Data – Based Decision Making.
PO3	Leadership	Ability to develop value based Leadership Ability
PO4	Environment & Sustainability	Ability to understand, Analyze & communicate Global, Economic, Legal & Ethical aspects of Business.
PO5	Team Work	Ability to lead themselves & others in the achievement of Organizational Goals, Contributing effectively to a team environment.
PO6	Entrepreneurship	Ability to identify Entrepreneurial opportunities & leverage, Managerial & Leadership Skills for funding leading start – ups as well as growing family Business
PO7	Social Responsiveness & Ethical	Apply ethical principles & commit to Professional Ethics & Responsibility and norms of Management Practices.
PO8	Continuous Learning	Recognize the need and prepare to engage in lifelong learning in the broad context of technology changes leading sustainability.

Mapping of POs TO PEOs

PE0/PO	P01	P02	P03	P04	P05	P06	P07	P08
PE01	3	3	2	2	1	1	1	1
PE02	3	3	3	3	3	2	1	1
PE03	3	3	2	2	2	1	3	1

CORRELATION

3 - STRONG

2 - MEDIUM

1 - LOW

(-) - NO CORRELATION

PROGRAM SPECIFIC OUTCOMES

PSO 1: Graduates will have ability to Identify, Formulate and analyze the problems relating to Marketing, Finance, Human Resource and Supply chain Management.


PSO 2: Graduates will have an ability to implement / Use appropriate Techniques, Management Skills, and Analytical Techniques and to solve Management Problems.


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DEPARTMENT OF MANAGEMENT STUDIES
SCHEME OF I SEMESTER MBA PROGRAM

Sl. NO	Course Code	Course	DEPT	Credit Distribution				Over all Credits	Marks		
				L	T	P	C		CIA	SEE	Total
1	MBA-101	MANAGEMENT PROCESS AND ORGANIZATIONAL BEHAVIOUR	MBA	3	0	1	0	4	40	60	100
2	MBA-102	STATISTICS FOR MANAGEMENT	MBA	3	0	1	0	4	40	60	100
3	MBA-103	ECONOMICS FOR MANAGERS	MBA	3	0	1	0	4	40	60	100
4	MBA-104	ACCOUNTING FOR MANAGERS	MBA	3	0	1	0	4	40	60	100
5	MBA-105	LEGAL SYSTEMS IN BUSINESS	MBA	3	0	1	0	4	40	60	100
6	MBA-106	INTERNATIONAL BUSINESS MANAGEMENT	MBA	3	0	1	0	4	40	60	100
7	MBA-107	ENTREPRENEURSHIP	MBA	3	0	1	0	4	40	60	100
8	MBA-S-101	SOFT SKILLS-I – ADVANCED COMPUTING SKILLS/ PERSONALITY ENRICHMENT	MBA	0	0	2	0	2	40	60	100
Total								30	320	480	800


PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
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Head
School of Management
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

DEPARTMENT OF MANAGEMENT STUDIES
SCHEME OF II SEMESTER MBA PROGRAM

Si. No	Course Code	Course	Dept	Credit Distribution				Over All Credits	Marks		
				L	T	P	C		CIA	SEE	Total
1	MBA-201	HUMAN RESOURCE MANAGEMENT	MBA	3	0	1	0	4	40	60	100
2	MBA-202	RESOURCE MANAGEMENT TECHNIQUES	MBA	3	0	1	0	4	40	60	100
3	MBA-203	OPERATIONS MANAGEMENT	MBA	3	0	1	0	4	40	60	100
4	MBA-204	FINANCIAL MANAGEMENT	MBA	3	0	1	1	4	40	60	100
5	MBA-205	RESEARCH METHODOLOGY	MBA	3	0	1	0	4	40	60	100
6	MBA-206	MANAGEMENT INFORMATION SYSTEMS	MBA	3	0	1	0	4	40	60	100
7	MBA-207	MARKETING MANAGEMENT	MBA	3	0	1	0	4	40	60	100
8	MBA-S-201	SOFT SKILLS-II-ADVANCED/ TECHNICAL WRITING & PRESENTATION	MBA	2	0	0	0	2	40	60	100
9	MBA-299	INTERNSHIP -1- (DEC - JAN 4 WEEKS)	MBA	0	0	0	4	4	25	75	100
Total								34	345	555	900



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DEPARTMENT OF MANAGEMENT STUDIES
SCHEME OF III SEMESTER MBA PROGRAM

Si. No	Course Code	Course	Dept	Credit Distribution				Over All Credits	Marks		
				L	T	P	C		CIA	SEE	Total
1	MBA-301	STRATEGIC MANAGEMENT	MBA	3	0	1	0	4	40	60	100
2	MBA-302	TOTAL QUALITY MANAGEMENT	MBA	3	0	1	0	4	40	60	100
3		ELECTIVE - 1	MBA	3	0	0	0	3	40	60	100
4		ELECTIVE - 2	MBA	3	0	0	1	3	40	60	100
5		ELECTIVE - 3	MBA	3	0	0	0	3	40	60	100
6		ELECTIVE - 4	MBA	3	0	0	0	3	40	60	100
7	MBA-S-301 MBA-S-302	SOFT SKILLS - SPOKEN AND PRESENTATION SKILL/ CAREER ADVANCEMENT FOR MANAGEERS	MBA	0	0	2	0	2	40	60	100
11	MBA 399	INTERNSHIP 2 - (MAY - JUN - 4Weeks)	MBA	0	0	4	0	4	25	75	100
Total								26	345	555	900


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DEPARTMENT OF MANAGEMENT STUDIES

SCHEME OF IV SEMESTER MBA PROGRAM

Si. No	Course Code	Course	Dept	Credit Distribution				Over All Credits	Marks		
				L	T	P	C		CIA	SEE	Total
1		ELECTIVE – 5	MBA	3	0	0	0	3	40	60	100
2		ELECTIVE – 6	MBA	3	0	0	1	3	40	60	100
3		ELECTIVE – 7	MBA	3	0	0	0	3	40	60	100
4		ELECTIVE – 8	MBA	3	0	0	0	3	40	60	100
5	MBA-S-401	SOFT-SKILLS – MANAGERIAL SKILLS/ RURAL DEVELOPMENT PROGRAMME	MBA	0	0	2	0	2	40	60	100
6	MBA-499	FINAL PROJECT – (DEC-JAN- 8 WEEKS)	MBA	0	0	8	0	8	50	150	200
7	MBA-EEC-301	EMPLOYABILITY ENRICHMENT COURSE CIMA/BUSINESS ANALYTICS (IoA)	MBA	0	0	2	0	2			
8	MBA-EEC-302	MOOCS Course (Optional)	MBA	0	0	2	0	1			
9	MBA-EEC-303	INTERNATIONAL IMMERSION PROGRAM (Optional)	MBA	0	0	2	0	1			
Total								26	250	450	700

GRAND TOTAL				116	1220	1980	3200
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LIST of ELECTIVES for MBA (Full Time)-Semester III and IV


Course Code	Course Title	Dept.	L	T	P	C
FINANCE						
FIN-301	INVESTMENT MANAGEMENT	MBA	3	0	0	3
FIN-302	INTERNATIONAL FINANCIAL MANAGEMENT	MBA	3	0	0	3
FIN-303	MERCHANT BANKING AND FINANCIAL SERVICES	MBA	3	0	0	3
FIN-401	FINANCIAL DERIVATIVES	MBA	3	0	0	3
FIN-402	RISK MANAGEMENT AND INSURANCE	MBA	3	0	0	3
FIN-403	CORPORATE TAXATION	MBA	3	0	0	3
MARKETING						
MKT-301	SERVICES MARKETING	MBA	3	0	0	3
MKT-302	INTEGRATED MARKETING COMMUNICATION	MBA	3	0	0	3
MKT-303	GLOBAL MARKETING MANAGEMENT	MBA	3	0	0	3
MKT-401	SALES AND DISTRIBUTION MANAGEMENT	MBA	3	0	0	3
MKT-402	RETAIL MANAGEMENT	MBA	3	0	0	3
MKT-404	SOCIAL MEDIA MARKETING	MBA	3	0	0	3
HUMAN RESOURCE MANAGEMENT						
HR-301	STRATEGIC HUMAN RESOURCE MANAGEMENT AND DEVELOPMENT	MBA	3	0	0	3
HR-302	LABOUR LEGISLATIONS	MBA	3	0	0	3
HR-303	GLOBAL HUMAN RESOURCE MANAGEMENT	MBA	3	0	0	3
HR-305	LEADERSHIP AND ORGANISATIONAL EFFECTIVENESS	MBA	3	0	0	3
HR-401	KNOWLEDGE MANAGEMENT	MBA	3	0	0	3
HR-402	TRAINING AND HUMAN PERFORMANCE ENHANCEMENT	MBA	3	0	0	3
SYSTEMS						


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SYS-301	BIG DATA TECHNOLOGY	MBA	3	0	0	0	3
SYS-302	DATA MINING AND WAREHOUSING	MBA	3	0	0	0	3
SYS-303	CLOUD COMPUTING	MBA	3	0	0	0	3
SYS-401	E - COMMERCE TECHNOLOGY AND MANAGEMENT	MBA	3	0	0	0	3
SYS-402	EMERGING TECHNOLOGIES FOR MANAGEMENT	MBA	3	0	0	0	3
SYS-403	ENTERPRISE RESOURCE PLANNING	MBA	3	0	0	0	3
SUPPLY CHAIN MANAGEMENT ELECTIVES							
SCM-301	INTEGRATED SUPPLY CHAIN MANAGEMENT	MBA	3	0	0	0	3
SCM-302	PURCHASING MANAGEMENT	MBA	3	0	0	0	3
SCM-401	INTERNATIONAL LOGISTICS AND MANAGEMENT OF GLOBAL SUPPLY CHAIN	MBA	3	0	0	0	3
SCM-402	TRANSPORTATION AND WAREHOUSING MANEGEMENT	MBA	3	0	0	0	3


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(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai – 106.

Post Graduate & Research Department of Economics

M.A.Economics – Programme Code – 31

B.A. Economics – Programme Code – 01

M.Phil Economics – Programme Code - 51

SYLLABUS – With effect from 2020-21 onwards

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION

PRINCIPAL

**Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.**

HOD Sign

**Dr. T.S. PREMA, M.A., M.Phil., Ph.D.,
Associate Professor & Head
Post Graduate &
Research Department of Economics (Shift 4)
Dwaraka Doss Goverdhan Doss Vaishnav College
Arumbakkam, Chennai - 600106.**

M.A. Economics

SEMESTER – I

	COURSE TITLE	CREDITS	CIA	ESE	Total
	Core Paper I – Micro Economics - I	4	40	60	100
	Core Paper II – Statistical Methods - I	4	40	60	100
	Core PaperII I – Research Methodology	4	40	60	100
	Core Paper IV- Health Economics	4	40	60	100
	Elective I- Organisational and Behaviour Economics	4	40	60	100
	Soft Skills- I	2	40	60	100
	Total	22			

SEMESTER – II

	COURSE TITLE	CREDITS	CIA	ESE	Total
	Core Paper V –Micro Economics - II	4	40	60	100
	Core Paper VI– Statistics - II	4	40	60	100
	Core Paper VII- –Indian Economic Development and Policy	4	40	60	100
	Core Paper VIII- – Monetary Economics	4	40	60	100
	Elective II- Managerial Economics	4	40	60	100
	Soft Skills- II	2	40	60	100
	Total	22			

SEMESTER – III

	COURSE TITLE	CREDITS	CIA	ESE	Total
	Core Paper – IX- Macro Economics-I	4	40	60	100
	Core Paper X- Public Economics - I	4	40	60	100
	Core Paper XI – International Economics - I	4	40	60	100
	Core Paper XII- Financial Markets and Services -I	4	40	60	100
	Elective III – Entrepreneurial Development	4	40	60	100
	Soft Skills- III	2	40	60	100
	Total	22			

SEMESTER – IV

	COURSE TITLE	CREDITS	CIA	ESE	Total
	Core Paper – XIII- Macro Economics II	4	40	60	100
	Core Paper XIV- Public Economics - II	4	40	60	100
	Core Paper XV – International Economics - II	4	40	60	100
	Core Paper XVI- Financial Markets and Services -II	4	40	60	100
	Elective IV – Human Resource Management	4	40	60	100
	Elective IV – Economics of Education	4	40	60	100
	Soft Skill- IV	2	40	60	100
	Internship	3			
	Total	25			
	Elective Offered for Other Departments-Contemporary Economic Issues	4	40	60	100



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DEPARTMENT OF SOCIAL WORK

**CHOICE BASED CREDIT SYSTEM (CBCS)
OUTCOME BASED EDUCATION /LEARNING (OBE)
SYLLABUS 2020-2021**

MASTER OF SOCIAL WORK (MSW)

Academic Year 2020 - 2021

Sulagna
Head

**P.G. Department of Social Work
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai-600 106.**

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Dwaraka Doss Goverdhan Doss
Vaishnav College
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DEPARTMENT OF SOCIAL WORK (2020-2021 BATCH ONWARDS)

FIRST SEMESTER

Sl. No	Course Category	Course Code	Course	Hours Distribution				Over all Credits	Total Contact Hours/ Week	Marks		
				L	T	P	S			CI A	ESE	Total
1	Core	2033101	PAPER I – Social Work Profession	4	0	0	0	4	4	40	60	100
2	Core	2033102	PAPER II–Working with Individuals	4	0	0	0	4	4	40	60	100
3	Core	2033103	PAPER III – Working with Groups	4	0	0	0	4	4	40	60	100
4	Core	2033105	Paper IV- Field Work Practicum – I	0	1	1	5	4	16	50	50	100
5	Specialized/Advanced Course	2033104	Paper V- Human Behaviour	4	0	0	0	3	4	40	60	100
6	Soft Skill I	2050101	Effective Communication in English	2	0	0	0	2	2	50	50	100
Total								21	34	260	340	600



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SECOND SEMESTER

SL NO	Course category	Course Code	Course	Hours Distributio n				Over All Credit s	Total Cont act Hour s/We ek	Marks		
				L	T	P	S			CI A	ESE	Tota l
1	CORE	2033206	Paper VI- Social Work Research	4	0	0	0	4	4	40	60	100
2	CORE	2033207	Paper VII-Working with Communities	4	0	0	0	4	4	40	60	100
3	CORE	2033208	Paper VIII- Social Welfare Administration and Social Legislation	4	0	0	0	4	4	40	60	100
4	CORE	2033210	Paper IX- Field Work Practicum – II	0	1	1	5	4	16	50	50	100
5	GENERIC ELECTIVE COURSE	2033209(A)/2033209(B)	Paper X- Entrepreneurship/Manag erial Business Communication	4	0	0	0	3	4	40	60	100
6	SOFT SKILL-II	2050201	English for Competitive exams.	2	0	0	0	2	2	50	50	100
Total								21	34	260	340	600

***Summer Internship 2 Credits (with Duration of a Month /26 Working days)
Course Code : 2060301**



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THIRD SEMESTER

Sl. No	Course Category	Course Code	Course	Hours Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI A	ESE	Total
1	CORE	2033311	Paper XI- Specialization Paper – I (Labour Legislation)	4	0	0	0	4	4	40	60	100
2	CORE	2033312	PAPER XII- Specialization Paper – II (Human Resource Management)	4	0	0	0	4	4	40	60	100
3	CORE	2033316	Paper XIII Field Work Practicum – III	1	0	1	0	4	16	50	50	100
4	Discipline specific elective course	2033314(A)/2033314(B)	PAPER XIV- Work Place Counseling /Industrial Social Work /	4	1	0	0	3	3	40	60	100
5	CORE	2033313	PAPER XV-Employee Relations Management	4	0	0	0	4	4	40	60	100
6	Soft Skills-3	2050301	Computer Skills	1	0	1	0	2	2	50	50	100
7	Open Elective	2033315	NGO Management	4	0	0	0	3	3	40	60	100
Total								24	36	250	350	700

**** Winter Internship on Corporate Social Responsibility carries 2 credits.(with the duration of 1 month /26 working days) Course Code:2033422**



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FOURTH SEMESTER

Sl. No	Course category	Course Code	Course	Hours Distribution				Over All Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI A	ESE	Total
1	CORE	2033417	PAPER XVI Specialisation paper III Strategic Human Resource Management	4	0	0	0	4	4	40	60	100
2	Specialized/Advanced Course	2033418	PAPER XVII Specialization Paper - IV (Trends in Human Resource Development)	3	1	0	0	3	4	40	60	100
3	CORE	2033419	PAPER XIX (Organisational Behaviour & Organisational Development)	4	0	0	0	4	4	40	60	100
4	CORE	2033420	Paper XVIII Field Work Practicum – IV	0	1	1	0	4	16	50	50	100
5	CORE	2033421	Paper XX Research Project	0	4	0	0	4	15	10	100	200
6	Soft Skills-4	2050401	Computer Programming Skills-Introduction to HTML	1	0	1	0	2	2	50	50	100
Total								21	45	320	380	700



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**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV
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CHENNAI – 600106**

CHOICE BASED CREDIT SYSTEM (CBCS)

OUTCOME BASED EDUCATION (OBE)

DEPARTMENT OF M.A HRM



2020-2021

Head

Head
P.G. Department of
Human Resources Management
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam 06.

Principal

PRINCIPAL
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Vaishnav College
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DEPARTMENT OF M.A HRM

(2020 -21 ONWARDS)

FIRST SEMESTER

Sl. No	Course Category	Course Code	Course	Hours Distribution				Overall Credits	Total Contact Hours /Week	Marks		
				L	T	P	S			C I A	ESE	Total
1	CORE	2034101	Learning and Development	4	0	0	1	4	5	40	60	100
2	CORE	2034102	Labour Legislation	4	0	0	1	4	5	40	60	100
3	CORE	2034103	Fundamentals of Human Resource Management	4	0	0	1	4	5	40	60	100
4	Specialized course	2034104	Dynamics of Human Behaviour	4	0	0	1	3	5	40	60	100
5	General Elective	2034105 A	Organizational Counselling	4	0	0	1	3	5	40	60	100
		2034105 B	Managerial Concepts and Business Ethics	4	0	0	1	3	5	40	60	100
6	Soft Skill I	2050101	English for effective communication	4	0	0	1	2	5	50	50	100

Head
Head
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 Human Resources Management
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SECOND SEMESTER

Sl. NO	Course category	Course Code	Course	Hours Distribution				Over all Credits	Total Contact Hours /Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	CORE	2034107	Industrial Relations and Employee Welfare	4	0	0	1	4	5	40	60	100
2	CORE	2034108	Organizational Behaviour	4	0	0	1	4	5	40	60	100
3	CORE	2034109	Performance Management System	4	0	0	1	4	5	40	60	100
4	Specialized Course	2034110	Global Human Resource Management	4	0	0	1	3	5	40	60	100
5	Internal Elective	2034111 (A)	Total Quality Management	4	0	0	1	3	5	40	60	100
		2034111 (B)	Managerial Economics for HRM	4	0	0	1	2	5	50	50	100
6	Soft skill - II	2034201	English for Competitive Exams	4	0	0	1	2	5	50	50	100

Head
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Principal
PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

THIRD SEMESTER

Sl. No	Course Category	Course Code	Course	Hours Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	CORE	2034312	Research Methodology	4	0	0	1	4	5	40	60	100
2	CORE	2034313	Industrial Law	4	0	0	1	4	5	40	60	100
3	CORE	2034314	Compensation Benefit Analysis	4	0	0	1	4	5	40	60	100
4	CORE	2034315	Strategic Human Resource Management	4	0	0	1	4	5	40	60	100
5	Specialised Course	2034316	Corporate Social Responsibility	4	0	0	1	3	5	40	60	100
6	Open elective	2034317	Organizational Softskill	4	0	0	1	3	5	40	60	100
7	Soft skill - III	2050301	French for Beginners	4	0	0	1	2	5	50	50	100

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(Signature)
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 Arumbakkam, Chennai - 600106.

FOURTH SEMESTER

Sl. NO	Course category	Course Code	Course	Hours Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	CORE	2034418	Organizational Development	4	0	0	1	4	5	40	60	100
2	CORE	2034419	Human Resource Development	4	0	0	1	4	5	40	60	100
3	CORE	2034420	Project viva voce			5		8	5	150	50	200
4	Soft Skill -IV	2050401	French for Beginners	4			1	2	5	50	50	100



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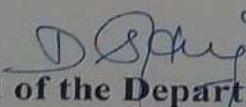
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OBE SYLLABUS

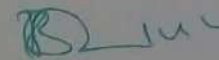
CHOICE BASED CREDIT SYSTEM

Approved by board of Studies on 12th March, 2020

EFFECTIVE FROM ACADEMIC YEAR 2020-21


Head of the Department

Head
Department of B.Com., Honours
Dwaraka Doss Goverdhan
Vaishnav College (Shilp ..)
Arumbakkam, Chennai-600 106.



PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

SCHEME OF FIRST SEMESTER

S No	Part	Course	Hours Distribution				Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1	I	Language –I	4	0	0	0	3	40	60	100
2	II	English – I	4	0	0	0	3	40	60	100
3	III	Core Paper – I Financial Accounting – I	6	0	0	0	4	40	60	100
4	III	Core Paper – II Financial Analytics & Control (CMA1A)	4	0	0	0	4	40	60	100
5	III	Core Paper – III Modern Banking	4	0	0	0	4	40	60	100
6	III	Core Paper-IV Business Economics	4	0	0	0	4	40	60	100
7	IV	Non Major Elective/Basic Tamil	2	0	0	0	2	50	50	100
8	IV	Skill based subjects – Soft Skills -1	2	0	0	0	2	50	50	100
9	IV	Internship – I (Two Weeks)					2	75	25	100
TOTAL			30				28			

SCHEME OF SECOND SEMESTER

S No	Part	Course	Hours Distribution				Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1	I	Language –II	4	0	0	0	3	40	60	100
2	II	English – II	4	0	0	0	3	40	60	100
3	III	Core Paper – V Financial Accounting – II	6	0	0	0	4	40	60	100
4	III	Core Paper – VI Financial Planning & Performance (CMA1B)	4	0	0	0	4	40	60	100
5	III	Core Paper – VII Principles of Management	4	0	0	0	4	40	60	100
6	III	Core Paper- VIII Business Policy and Environment	4	0	0	0	4	40	60	100
7	IV	Non Major Elective/Basic Tamil	2	0	0	0	2	50	50	100
8	IV	Skill based subjects – Soft Skills –II	2	0	0	0	2	50	50	100
9	IV	Internship – II (Four Weeks)					4	75	25	100
TOTAL			30				30			

SCHEME OF THIRD SEMESTER

S No	Part	Course	Hours Distribution				Credits	Marks			
			L	P	T	S		CIA	ESE	Total	
1	III	Core Paper- IX Business Mathematics	6	0	0	0	4	40	60	100	
2	III	Core Paper- X Financial Reporting (CMAIC)	4	0	0	0	4	40	60	100	
3	III	Core Paper- XI Strategic Financial Management - I (CMA2A)	4	0	0	0	4	40	60	100	
4	III	Core Paper – XII Business Laws	4	0	0	0	4	40	60	100	
5	III	Core Paper – XIII E- Accounting	0	5	0	0	4	40	60	100	
6	III	Core Paper- XIV Green Business	4	0	0	0	4	40	60	100	
7	IV	Environmental Studies (<i>Examination will be held in semester IV</i>)	1	0	0	0					
8	IV	Skill based subjects – Soft Skills –III	2	0	0	0	2	50	50	100	
9	IV	Internship – III (Two Weeks)					2	75	25	100	
TOTAL			30				28				

SCHEME OF FOURTH SEMESTER

S No	Part	Course	Hours Distribution				Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1	III	Core Paper- XV Business Statistics & Operation Research	6	0	0	0	4	40	60	100
2	III	Core Paper- XVI Strategic Financial Management – II (CMA2B)	4	0	0	0	4	40	60	100
3	III	Core Paper - XVII Human Resource Management	4	0	0	0	4	40	60	100
4	III	Core Paper - XVIII Company Law	4	0	0	0	4	40	60	100
5	III	Core Paper- XIX Financial Services	4	0	0	0	4	40	60	100
6	III	Core Paper- XX Indirect Taxation	5	0	0	0	4	40	60	100
7	IV	Environmental Studies	1	0	0	0	2	40	60	100
8	IV	Skill based subjects – Soft Skills –IV	2	0	0	0	2	50	50	100
9	IV	Internship – IV(Four Weeks)					4	75	25	100
TOTAL			30				32			

SCHEME OF FIFTH SEMESTER

S No	Part	Course	Hours Distribution				Credits	Marks		
			L	P	T	S		CIE	SEE	Total
1	III	Core Paper- XXI Cost Accounting	6	0	0	0	4	40	60	100
2	III	Core Paper- XXII Direct Taxation -I	6	0	0	0	4	40	60	100
3	III	Core Paper- XXIII Corporate Ethics and Governance	4	0	0	0	4	40	60	100
4	III	Core Paper - XXIV Entrepreneurial Development	4	0	0	0	4	40	60	100
5	III	Core Paper –XXV Research Methodology	4	0	0	0	4	40	60	100
6	III	Elective –I Strategic Planning and Management / Logistics and Supply Chain Management	4	0	0	0	4	40	60	100
7	IV	Value Education	2	0	0	0	2	50	50	100
8	IV	Internship – V (Two Weeks)					2	75	25	100
TOTAL			30				28			

SCHEME OF SIXTH SEMESTER

S No	Part	Course	Hours Distribution				Credits	Marks		
			L	P	T	S		CIA	ESE	Total
1	III	Core Paper- XXVI Practical Auditing	5	0	0	0	4	40	60	100
2	III	Core Paper- XXVII Direct Taxation - II	6	0	0	0	4	40	60	100
3	III	Core Paper- XXVIII International Trade	5	0	0	0	4	40	60	100
4	III	Core Paper – XXIX Marketing	5	0	0	0	4	40	60	100
5	III	Core Paper- XXX Project Work	5	0	0	0	8	40	60	100
6	III	Elective –II Organizational Behaviour/ Insurance and Risk Management	4	0	0	0	4	40	60	100
7	V	Extension Activities	0	0	0	0	1			
TOTAL			30				29			

**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
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Arumbakkam, Chennai – 600 106.**



**DEPARTMENT OF MATHEMATICS WITH COMPUTER
APPLICATIONS
(B.Sc Mathematics with Computer Applications)
Programme Code: 36**

OUTCOME BASED EDUCATION

SYLLABUS

(Choice Based Credit System)

FOR STUDENTS ADMITTED FROM 2020-2021 ONWARDS

Head I/C

Department of Mathematics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106

PRINCIPAL

Dwaraka Doss Goverdhan Doss
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**DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATIONS
SCHEME OF I SEMESTER B. SC MATHEMATICS WITH COMPUTER
APPLICATIONS PROGRAM**

SL NO	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART-I	YY/16101	Language Paper I	3	0	0	0	3	4	40	60	100
2	PART II	YY/99101	English Paper- I	3	0	0	0	3	4	40	60	100
3	PART III Core Paper I	2036101	Classical Algebra	4	0	0	0	4	6	40	60	100
4	PART III Core Paper II	2036102	Differential Calculus	4	0	0	0	4	6	40	60	100
5	PART III Allied Paper I	2036103	Programming in C Theory	3	0	0	0	3	4	40	60	100
6	Practical - I	2036105	Programming in C (Practical)	0	0	2	0	2	2	40	60	100
7	PART -IV Non Major Elective - I	YY/6102 2036104	Basic Tamil (For Students who have not studied Tamil up to XII Std. and taken a Non-Tamil Language under Part-I shall take Tamil comprising of two course (level will be at 6th Standard). Statistical Methods (For students who have studied Tamil up to XII Std.)	2	0	0	0	2	2	40	60	100
8	PART -IV Soft Skills I	40101	Soft Skill -I	3	0	0	0	3	2	50	50	100
Total				22	0	2	0	24	30	330	470	800

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**DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATIONS
SCHEME OF II SEMESTER B. SC MATHEMATICS WITH COMPUTER
APPLICATIONS PROGRAM**

SL NO	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART-I	16204	Language Paper II	3	0	0	0	3	4	40	60	100
2	PART II	99202	English Paper- II	3	0	0	0	3	4	40	60	100
3	PART III Core Paper III	2036210	Trigonometry	4	0		0	4	6	40	60	100
4	PART III Core Paper IV	2036211	Integral Calculus	4	0	0	0	4	6	40	60	100
5	PART III Allied Paper II	2036212	Object Oriented Programming with C++ (Theory)	3	0	0	0	3	4	40	60	100
6	Practical II	2036213	Object Oriented Programming with C++ (Practical)	0	0	2	0	2	2	40	60	100
7	PART -IV Non Major	18-20/ 16102	Basic Tamil									
	Elective - II	2036214	Discrete Mathematics	2	0	0	0	2	2	40	60	100
8	PART -IV Soft Skills II	40201	Soft Skill – II	3	0	0	0	3	2	50	50	100
Total				22	0	2	0	24	30	330	470	800

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B. Sanyal

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DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATIONS

SCHEME OF III SEMESTER B. SC MATHEMATICS WITH COMPUTER APPLICATIONS PROGRAM

SL NO	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART III Core Paper V	2036320	Differential Equations	4	0	0	0	4	7	40	60	100
2	PART III Core Paper VI	2036321	Mathematical Statistics	4	0	0	0	4	7	40	60	100
3	PART III Core Paper VII	2036322	Multimedia Theory	3	0	0	0	3	4	40	60	100
4	PART III Allied - III	2036323	Numerical Methods I	5	0	0	0	5	8	40	60	100
5	Practical III	2036324	Multimedia LAB	0	0	2	0	2	2	40	60	100
6	PART -IV Soft Skills II	40301	Soft Skill - II	3	0	0	0	3	2	50	50	100
Total				19	0	2	0	21	30	250	350	600

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B. Sanyal
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DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATIONS

SCHEME OF IV SEMESTER B. SC MATHEMATICS WITH COMPUTER APPLICATIONS PROGRAM

Sl. NO	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART III Core Paper VIII	2036428	Vector Calculus, Analytical Geometry of Three Dimensions	4	0	0	0	4	7	40	60	100
2	PART III Core Paper IX	2036429	Transforms and Fourier Series	4	0	0	0	4	7	40	60	100
3	PART III Core Paper X	2036430	Programming in Java Theory	3	0	0	0	3	4	40	60	100
4	PART III Allied – III	2036431	Numerical Methods II	5	0	0	0	5	6	40	60	100
5	Practical III	2036432	Programming in Java (Practical)	0	0	2	0	2	2	40	60	100
6	PART –IV Soft Skills II	40401	Soft Skill – IV	3	0	0	0	3	2	50	50	100
7	PART –IV		EVS	2	0	0	0	2	2	40	60	100
Total				21	0	2	0	23	30	250	350	700

M. Suresh

Head IIC
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B. D. V.

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DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATIONS
SCHEME OF V SEMESTER B. SC MATHEMATICS WITH COMPUTER
APPLICATIONS PROGRAM

Sl. NO	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART III Core Paper XI	2036536	Algebraic Structures	4	0		0	4	6	40	60	100
2	PART III Core Paper XII	2036537	Real Analysis	4	0	0	0	4	6	40	60	100
3	PART III Core Paper XIII	2036538	Web Technology (Theory)	3	0	0	0	3	4	40	60	100
4	PART III Elective I	2036539	Discrete Mathematics	5	0	0	0	5	6	40	60	100
5	PART III Elective II	2036540	Operations Research I	5	0	0	0	5	5	40	60	100
6	Practical V	2036541	Web Technology (Practical)	0	0	2	0	2	2			
7	PART -IV		Value Education	2	0	0	0	2	2	40	60	100
Total				23	0	2	0	25	30	250	350	700

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DEPARTMENT OF MATHEMATICS WITH COMPUTER APPLICATIONS

SCHEME OF VI SEMESTER B. SC MATHEMATICS WITH COMPUTER APPLICATIONS PROGRAM

Sl. NO	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CIA	ESE	Total
1	PART III Core Paper XIV	2036642	Linear Algebra	4	0	0	0	4	6	40	60	100
2	PART III Core Paper XV	2036643	Complex Analysis	4	0	0	0	4	6	40	60	100
3	PART III Core Paper XVI	2036644	Mechanics	4	0	0	0	4	6	40	60	100
4	PART III Core Paper XVII	2036645	DOT NET Programming (Theory)	3	0	0	0	3	4	40	60	100
5	PART III Elective III	2036646	Operations Research II	5	0	0	0	5	5	40	60	100
6	Practical VI	2036647	DOT NET Programming (Practical)	0	0	2	0	2	2	40	60	100
7	PART -IV		Extension Activity	1	0	0	0	1	1	40	60	100
Total				21	0	2	0	23	30	250	350	700

B. Srinivasan

Head of the
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B. Srinivasan

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DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
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College with Potential for Excellence, Linguistic Minority
Institution Affiliated to University of Madras
Arumbakkam, Chennai 600 106

Department of Physics (Shift II)

B.Sc. Physics with computer Applications

Programme Code: 37

OUTCOME BASED EDUCATION SYLLABUS

Academic Year 2020–2021

CHOICE BASED CREDIT SYSTEM (CBCS)

Dr. D. SHYAMALA
Head of the Department (Shift II)

Head
Department of Physics with
Computer Application
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai - 600106.

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B.Sc. Physics with computer Applications

FIRST SEMESTER

Sl. NO	Course category	Course	Credit Distribution				Over all Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Bachelors	Language – Paper I	4	0	0	0	3	4	40	60	100
2		English – Paper I	4	0	0	0	3	4	40	60	100
3		PCA Core 1 – Mechanics & Properties of Matter	4	3	0	0	4	7	40	60	100
4		Allied Paper I– Mathematics	4	3	0	0	5	7	40	60	100
5		PCA Core Practical I	0	0	4	0	Practical Examination at the end of Semester II (4 hours)				
6		1 (a) Basic Tamil I/(b) Adv. Tamil/(c) Non-Major Elective	2	0	0	0	2	2	40	60	100
7		2. Skill Based Elective I	2	0	0	0	3	2	40	60	100
Total						20	30	280	420	700	

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Arumbakkam

B.Sc. Physics with computer Applications

SECOND SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Bachelors	Language – Paper II	4	0	0	0	3	4	40	60	100
2		English – Paper II	4		0	0	3	4	40	60	100
3		PCA Core 2 – Basic Electronics	4	3	0	0	4	7	40	60	100
4		Allied Paper II – Mathematics	4	3	0	0	5	7	40	60	100
5		PCA Core Practical I	0	0	4	0	4	3+1	40	60	100
6		1 (a) Basic Tamil I/(b) Adv. Tamil/(c) Non-Major Elective	2	0	0	0	2	2	40	60	100
7		2. Skill Based Elective II	2	0	0	0	3	2	40	60	100
		Total					24	30	280	420	700

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B.Sc. Physics with computer Applications

THIRD SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Bachelors	PCA Core 3 – Mathematical Physics	4	0	0	0	4	4	40	60	100
2		PCA Core 4 – Electricity and Electromagnetism	4	0	0	0	4	4	40	60	100
3		CC 1 – Data Structures	5	0	0	0	4	5	40	60	100
4		CC 2 – Programming in C++	5	0	0	0	4	5	40	60	100
5		PCA Core Practical II	0	0	3	0	Practical Examination at the end of Semester IV (3 hours)				
6		CCP 1 – Data Structure	3	0	0	0	4	3	40	60	100
7		CCP 2 – Programming in C++	3	0	0	0	4	3	40	60	100
8		Soft Skill III	2	0	0	0	3	2	40	60	100
9		Environmental Studies	1	0	0	0	Exam conducted at the end of Semester IV (1 hour)				
Total							27	30	280	420	700

(Signature)

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B.Sc. Physics with computer Applications
FOURTH SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Bachelors	PCA Core 5 – Optics	5	0	0	0	4	5	40	60	100
2		PCA Core 6 – Quantum Mechanics	6	0	0	0	4	6	40	60	100
3		CC 3 – Operating System	5	0	0	0	4	5	40	60	100
4		CC 4 – Database Management Systems	5	0	0	0	4	5	40	60	100
5		PCA Core Practical II	0	0	3	0	4	3	40	60	100
6		CCP 3 – Practical RDBMS using VB	0	0	3	0	4	3	40	60	100
7		Soft Skill IV	2	0	0	0	3	2	40	60	100
8		Environmental Studies	1	0	0	0	2	1	40	60	100
		Total					29	30	320	480	800

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B.Sc. Physics with computer Applications
FIFTH SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Bachelors	PCA Core 7 – Thermal Physics & Acoustics	5	0	0	0	4	5	40	60	100
2		PCA Core 8 – Solid State Physics	5	0	0	0	4	5	40	60	100
3		PCA Open Elective – I* Space Science/ Optics and Photonics	4	0	0	0	5	4	40	60	100
4		CC 5 – Programming in JAVA	4	0	0	0	4	4	40	60	100
5		CCP 4 – JAVA Programming Lab	0	0	3	0	4	3	40	60	100
6		PCA Core Practical III (General)	0	0	3	0	Practical Examination at the end of Semester VI (9 hours)				
7		PCA Core Practical IV (Electronics)	0	0	3	0					
8		PCA Core Practical V (Applied)	0	0	3	0					
9			Value Education	0	0	0	0	2	-	40	60
Total							23	30	240	360	600

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B.Sc. Physics with computer Applications

SIXTH SEMESTER

Sl. NO	Course Category	Course	Credit Distribution				Over all Credits	Total Contact Hours /Week	Marks		
			L	T	P	S			CIE	SEE	Total
1	Bachelors	PCA Core 9 – Nuclear and Particle Physics	4	0	0	0	4	4	40	60	100
2		PCA Core 10 – Atomic Physics	4	0	0	0	4	4	40	60	100
3		PCA – Elective I* – Integrated Electronics/ Bio-Physics/Applied Physics	6	0	0	0	5	6	40	60	100
4		PCA – Elective II* – Microprocessor Fundamentals/ Physics of Materials/ Introduction to Astrophysics and Astronomy	6	0	0	0	5	6	40	60	100
5		CC 6 – Digital Electronics (handled by Physics Department)	4	0	3	0	4	4	40	60	100
6		PCA Core Practical III (General)	0	0	2	0	4	2	40	60	100
7		PCA Core Practical IV (Electronics)	0	0	2	0	4	2	40	60	100
8		PCA Core Practical V (Applied)	0	0	2	0	4	2	40	60	100
9		Extension Activities	0	0	0	0	1	0	40	60	100
Total							35	30	360	540	900

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Arumbakkam, Chennai – 600 106

DEPARTMENT OF TAMIL LITERATURE

B.A. TAMIL – PROGRAM CODE – 38

SYLLABUS WITH EFFECT FROM 2020-21

CHOICE BASED CREDIT SYSTEM &

OUTCOME BASED EDUCATION

Head
Department of Tamil Literature
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Arumbakkam, Chennai - 600106.

First year - First Season

Sl. No	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI A	ES E	Total
1	Basement study		TAMIL	3	0	0	0	3	4	40	60	100
2	Basement study	19TS99101	ENGLISH	3	0	0	0	3	4	40	60	100
3	Major	1938101	Contemporary Literature - 2	4	0	1	0	4	6	40	60	100
4	Major	1938102	Ilakkaṇama -1 naṇṇūl eḷuttatikāram	4	1	0	0	4	6	40	60	100
5	Allied - I	1938103	Tamiḷaka varalārum paṇpāṭum -1	5	0	0	0	5	6	40	60	100
6	NME - 1	1938104	Payanpāṭṭut tamiḷ	2	0	0	0	2	2	40	60	100
7	Soft skill	1940101	Soft skill - 1	2	0	0	0	2	2	25	25	50
Total								23	30	265	385	650

First year - second season

Sl. No	Course Category	Course Code	Course	Credit Distribution				Over all Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI	ES	Total
1	Basement study		TAMIL	3	0	0	0	3	4	40	60	100
2	Basement study	19TS99201/ 19TS99202	ENGLISH	3	0	0	0	3	4	40	60	100
3	Major	1938205	Contemporary Literature - 2	4	0	1	0	4	6	40	60	100
4	Major	1938206	Ilakkaṇam - 2 naṇṇūl – collatikāram	4	1	0	0	4	6	40	60	100
5	Allied - I	1938207	History and Culture of Tamil Nadu-2	5	0	0	0	5	6	40	60	100
6	NME - 1	1938208	Ithazhiyal Arimukam (NME - 2)	2	0	0	0	2	2	40	60	100
7	Soft skill	1940201	Soft skill – 2	2	0	0	0	2	2	25	25	50
Total								23	30	265	385	650

SECOND YEAR - THIRD SEASON

Sl. No	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI A	ES E	Total
1	Basement study		TAMIL	3	0	0	0	3	6	40	60	100
2	Basement study	19TS99301/ 19TS99302	ENGLISH	3	0	0	0	3	4	40	60	100
3	Major	1938309	Bakthi Literature & Prabandhangal Epics	4	0	1	0	4	6	40	60	100
4	Major	1938310	Ilakkaṇam – 3 Nampiyakapporuḷ	4	1	0	0	4	6	40	60	100
5	Allied	1938311	History of Tamil Literature 1	5	0	0	0	5	6	40	60	100
7	Soft skill	1940301	Soft skill– 3	2	0	0	0	2	2	25	25	50
Total								21	30	225	325	550

Second year - Fourth season

Sl. NO	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI A	ES E	Total
1	Basement study		TAMIL	3	0	0	0	3	6	40	60	100
2	Basement study	19TS99401/ 19TS99402	ENGLISH	3	0	0	0	3	4	40	60	100
3	Major	1938412	Kaappiyam	4	0	1	0	4	6	40	60	100
4	Major	1938413	Ilakkaṇam – 4 Purapporul venbaamaalai	4	1	0	0	4	6	40	60	100
5	Allied	1938414	History of Tamil Literature - 2	5	0	0	0	5	6	40	60	100
6	Allied		ENVERAMENTAL STUDES	2	0	0	0	2		40	60	100
7	Soft skill	1940401	Soft skill – 4	2	0	0	0	2	2	25	25	50
Total								23	30	265	385	650

THIRD YEAR - FIFTH SEASON

Sl. No	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI A	ES E	Total
1	Major	1938515	Sangam Literature – Agam	3	0	0	0	4	6	40	60	100
2	Major	1938516	Ilakkaṇam – 5 Yaapparungalakkaarigai	3	0	0	0	5	6	40	60	100
3	Major	1938517	Thamizh mozhi varalaaru	4	0	1	0	5	6	40	60	100
4	Major	1938518	Thamizh Ilakkiyath thiranaaivu	4	1	0	0	4	6	40	60	100
5	Elective-1	1938519	KOVIL KALAI	5	0	0	0	5	6	40	60	100
7			Value education	2	0	0	0	2		40	60	100
Total								25	30	240	360	600

Third year - Sixth season

Sl. NO	Course Category	Course Code	Course	Credit Distribution				Overall Credits	Total Contact Hours/Week	Marks		
				L	T	P	S			CI A	ES E	Total
1	Major	1938620	Sangam Literature – Puram	3	0	0	0	4	6	40	60	100
2	Major	1938621	Ilakkaṇam – 6 Thandiyalangaaram	3	0	0	0	5	6	40	60	100
3	Major	1938622	Thiraavida mozhigalum oppGrammerum	4	0	1	0	5	6	40	60	100
4	Elective - 2	1938623	Nambiyagapporul	4	1	0	0	5	6	40	60	100
5	Elective - 3	1938624	Adippadaik kaniniyiyal	5	0	0	0	5	6	40	60	100
7	Extension activities		(NSS, NCC & Others)	2	0	0	0	1				100
Total								25	30	200	300	500

DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence,

Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai 600 106



B.A English Syllabus

(C.B.C.S)

Outcome Based Education

(Effective from the academic year 2020 June onwards)

PRINCIPAL

**Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.**

Head

**Department of English Literature
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II),
Arumbakkam, Chennai-600 106.**

Sem	Course			Cr.	Hrs./ Week	Marks		Total
	Part	Subject Code	Name			Int.	Ext.	
I	I		Tamil / other languages – I	3	6	40	60	100
	II		English – I	3	4	40	60	100
	III		Core – I – Classical Literature	4	6	40	60	100
			Core – II – Children’s Literature	4	6	40	60	100
			Allied - I – Social History of England - I	5	4	40	60	100
			N.M.E I – Advertising and Public Relations	2	2	40	60	100
			Soft Skills	3	2	40	60	100
			Total	24	30			700
II	I		Tamil / other languages – II	3	6	40	60	100
	II		English – II	3	4	40	60	100
	III		Core – III – The Elizabethan Age	4	6	40	60	100
			Core – IV – The Augustan Age	4	6	40	60	100
			Allied - II – Social History of England - II	5	4	40	60	100
			N.M.E II – Communication : Broadcasting & Telecasting	2	2	40	60	100
IV		Soft Skills	3	2	40	60	100	
			Total	24	30			700
III	I		Tamil / other languages – III	3	6	40	60	100
	II		English – III	3	4	40	60	100
	III		Core – V - The Romantic Age	4	6	40	60	100
			Core – VI – The Victorian Age	4	6	40	60	100
			Allied III – History of English Literature & Literary Forms - I	5	6	40	60	100
		Soft Skills	3	2	40	60	100	
			Total	22	30			600
IV	I		Tamil / other languages – IV	3	6	40	60	100
	II		English – IV	3	4	40	60	100
	III		Core – VII – The Modern Age	4	6	40	60	100
			Core – VIII – English Language and Linguistics	4	6	40	60	100
			Allied IV – History of English Literature & Literary Forms - II	5	4	40	60	100
IV		Soft Skills	3	2	40	60	100	

			Environmental Studies	2	2	40	60	100
			Total	24	30			700
V	III		Core – IX – English Language Teaching	4	6	40	60	100
			Core – X – Shakespeare	4	6	40	60	100
			Core – XI – American Literature	4	6	40	60	100
			Core – XII – Post Colonial Literature	4	6	40	60	100
			Elective I – Film Review/ Travel Writing	5	4	40	60	100
IV		Value Education	2	2	40	60	100	
			Total	23	30			600
VI	III		Core – XIII – Indian Writing in English	4	6	40	60	100
			Core – XIV – Women’s Writing	4	6	40	60	100
		Core – XV – Canadian Literature	4	6	40	60	100	
		Elective II – Translation Studies/Popular Fiction	5	6	40	60	100	
		Elective III – English for Career/ Journalism and Mass Communication	5	4	40	60	100	
	IV		NSS/NCC/Rotract Club / Consumer Club	1	2	40	60	100
			Total	23	30			600
Grand Total				140	180	--	--	3900



**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV
COLLEGE (AUTONOMOUS)**

**DEPARTMENT OF CRIMINOLOGY &
POLICE ADMINISTRATION**

PROGRAM CODE: 42

**BACHELOR'S DEGREE IN CRIMINOLOGY AND
POLICE ADMINISTRATION UNDER THE
FACULTY OF ARTS (B.A.)**

**REGULATIONS, SCHEME AND SYLLABUS
BASED ON
CHOICE BASED CREDIT SYSTEM (CBCS)
&
OUTCOME BASED EDUCATION (OBE)**

(Effective from the academic year 2020 – 2021)

Head
Department of Criminology
and Police Administration
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

COURSE OF STUDY FOR THE SIX SEMESTERS SHALL BE AS FOLLOWS:**SEMESTER I**

Sl. No.	Core/Elective / Softskill	Title of the Course	Credits	Inst. hours	Exam hours	Maximum Marks		
						Int.	Ext.	Total
1.	Part I	Language I	3	4	3	40	60	100
2.	Part II	English I	3	4	3	40	60	100
3.	Part III – Core course Paper I	Principles of Criminology	4	6	3	40	60	100
4.	Part III – Core course Paper II	Major Laws in CJS	4	6	3	40	60	100
5.	Part III – Allied course Paper I	Basics of Forensic Science and Medicine	4	6	3	40	60	100
6.	Part IV – Basic Tamil / NME Paper I	Fundamentals of Criminology	2	2	3	40	60	100
7.	Part IV	Soft Skills	2	2	3	40	60	100

Semester includes Basic Drill / Parade outside of class hours.

SEMESTER II

Sl. No.	Core/ Elective / Softskill	Title of the Course	Credits	Inst. hours	Exam hours	Maximum Marks		
						Int.	Ext.	Total
1.	Part I	Language II	3	4	3	40	60	100
2.	Part II	English II	3	4	3	40	60	100
3.	Part III – Core course Paper III	Police Administration & Management	4	6	3	40	60	100
4.	Part III – Core course Paper IV	Fundamentals of Psychology	4	6	3	40	60	100
5.	Part III – Allied course Paper II	Juvenile Justice	4	6	3	40	60	100
6.	Part IV – Basic Tamil / NME Paper II	Foundations of Criminal Justice System	2	2	3	40	60	100
7.	Part IV	Soft Skills	2	2	3	40	60	100

Semester includes Basic Drill / Parade outside of class hours.

SEMESTER III

Sl. No.	Core/Elective / Softskill	Title of the Course	Credits	Inst. hours	Exam hours	Maximum Marks		
						Int.	Ext.	Total
1.	Part I	Language III	3	4	3	40	60	100
2.	Part II	English III	3	4	3	40	60	100
3.	Part III – Core course Paper V	Human Rights and Criminal Justice Administration	4	6	3	40	60	100
4.	Part III – Core course Paper VI	Social Problems	4	6	3	40	60	100
5.	Part III – Allied course Paper III	Research Methods and Statistics	4	6	3	40	60	100
6.	Part III – Allied course Paper IV	Practical I - Field Visits	4	-	-	40	60	100
7.	Part IV	Soft Skills III	2	2	3	40	60	100
8.	Part IV	EVS		2	3	40	60	100

Semester includes Basic Drill / Parade outside of class hours.

SEMESTER IV

Sl. No.	Core/Elective / Softskill	Title of the Course	Credits	Inst. hours	Exam hours	Maximum Marks		
						Int.	Ext.	Total
1.	Part I	Language IV	3	4	3	40	60	100
2.	Part II	English IV	3	4	3	40	60	100
3.	Part III – Core course Paper VII	Prison Administration	4	6	3	40	60	100
4.	Part VIII – Core course Paper VIII	Methods of Investigation	4	6	3	40	60	100
5.	Part III – Core course Paper IX	Counselling and Guidance	4	6	3	40	60	100
	Part III – Allied Course V	Practical II –Outdoor Training	4	6		40	60	100
6.	Part IV	Soft Skills IV	2		3	40	60	100
7.	Part IV	EVS	2	2	3	40	60	100

SEMESTER V

Sl. No.	Core/Elective / Softskill	Title of the Course	Credits	Inst. hours	Exam hours	Maximum Marks		
						Int.	Ext.	Total
1.	Part III – Core course Paper X	Corporate Security Management	4	6	3	40	60	100
2.	Part III –Core course Paper XI	Advanced Psychology	4	6	3	40	60	100
3.	Part III – Core course Paper XII	Practical III–Advanced Outdoor Training	4	4		40	60	100
4.	Part III – Elective Paper I & II	Foundations of Victimology (OR) Community Policing	3	6	3	40	60	100
5.	Part III – Open Elective Paper I	Police and Community	3	6	3	40	60	100
6.	Part IV	Value Education	2	2	3	40	60	100

SEMESTER VI

Sl. No.	Core/Elective / Soft skill	Title of the Course	Credits	Inst. hours	Exam hours	Maximum Marks		
						Int.	Ext.	Total
1.	Part III – Core course Paper XIII	Prevention of Crime	4	6	3	40	60	100
2.	Part III – Core course Paper XIV	Contemporary Forms of Crime	4	6	3	40	60	100
3.	Part III – Core course Paper XV	Private Investigation	4	6	3	40	60	100
4.	Part III - Core course Paper XVI	Project	6	4		40	60	100
5.	Part III - Elective Paper III & IV	Crowd Control and Riot Management (OR) Media and Crime	3	6	3	40	60	100
6.	Part V	Extension activities	1	2				

** Drill practice will be conducted for every semester

B.A. DEGREE COURSE IN SOCIOLOGY (Choice Based Credit System)

(With Effects From 2020-2021)

First Semester

Subjects	Credit	Instruction hours	Exam	Max.Marks		
				Ext.Mark	Int.mark	Total
Part-I Language Paper-I	3	4	3	60	40	100
Part-II English Paper-1	3	4	3	60	40	100
Part III Core Subject Paper-I: Principles of Sociology I	5	6	3	60	40	100
Core Subject Paper II : Indian Society	5	6	3	60	40	100
Allied I Paper-1: Social Psychology	4	6	3	60	40	100
Part-IV 1. Basic Tamil 2. Introduction to Sociology	2	2	3	60	40	100
2. Skill based subject (Elective) (Soft Skills)	2	2	3	50	50	100

Second Semester

Subjects	Credit	Instruction hours	Exam	Max.Marks		
				Ext. Mark	Int. mark	Total
Part-I-Language Paper- II	3	4	3	60	40	100
Part-II -English Paper- II	3	4	3	60	40	100
Part III Core Subject Paper-III : Principles of Sociology - II	5	6	3	60	40	100
Core Subject Paper IV : Social problems in India	5	6	3	60	40	100
Allied I Paper-2: Social Anthropology	4	6	3	60	40	100
Part-IV 1. Basic Tamil 2. Social Problems	2	2	3	60	40	100
2. Skill based subject (Elective) (Soft Skills)	2	2	3	50	50	100

THIRD SEMESTER

Course components	Subjects	Credit	Inst. hours	Exam hour	Max. Mark		
					Ext. Mark	Int. Mark	Total
Part – I	Language Paper- III	3	6	3	60	40	100
Part – II	English Paper – III	3	6	3	60	40	100
Part –III Core Courses	Paper- V: Classical Social Thinkers I	4	6	3	60	40	100
	Paper - VI : Social Movements in India	4	6	3	60	40	100
Allied Subject – III	Social Demography	4	6	3	60	40	100
Elective - I	Sociology of Sanitation (Or) Sociology of Tourism	3	6	3	60	40	100
Part - IV Soft Skills - III		2		3	50	50	100
3. Environmental Studies					Examination will be held in IV Semester		

FOURTH SEMESTER

Course components	Subjects	Credit	Inst. hours	Exam hour	Max. Mark		
					Ext. Mark	Int. Mark	Total
Part – I	Language Paper- IV	3	6	3	60	40	100
Part – II	English Paper – IV	3	6	3	60	40	100
Part –III Core Courses	Paper- VII: Classical Social Thinkers II	5	6	3	60	40	100
	Paper – VIII: Research Methodology and Statistics	5	6	3	60	40	100
Allied Subject – IV	Political Sociology	4	6	3	60	40	100
Part - IV Soft Skills– IV		2		3	50	50	100
3. Environmental Studies		2	6	3	60	40	100

FIFTH SEMESTER

Course components	Subjects	Credit	Inst. Hours	Exam hour	Max. Mark		
					Ext. Mark	Int. Mark	Total
Part – III Core Courses	Paper- IX Rural Sociology	5	6	3	60	40	100
	Paper – X Urban Sociology	4	6	3	60	40	100
	Paper – XI Industrial Sociology	4	6	3	60	40	100
	Paper – XII Sociology of Development	4	6	3	60	40	100
Elective II	Sociology of Industry and work (or) Social Welfare in India	3	6	3	60	40	100
Part – IV	Value Education	2					

SIXTH SEMESTER

Course components	Subjects	Credit	Inst. hours	Exam hour	Max. Mark		
					Ext. Mark	Int. Mark	Total
Part III Core courses	Paper- XIII Medical Sociology	4	6	3	60	40	100
	Paper – XIV Communication, Media and Society	4	6	3	60	40	100
Elective - III	Sociology of Consumer Behaviour (Or) Disaster and Social Crisis (Or) Sociology of Gender and Sexuality	3	6	3	60	40	100
Project Cum Viva Voce		14			60	40	100
Part V	Extension Activities	1					

Department of Accounting & Finance



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

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College with Potential for Excellence, Linguistic Minority Institution

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Arumbakkam, Chennai – 600 106

BACHELOR OF COMMERCE (ACCOUNTING AND FINANCE)

B.Com (Accounting & Finance)

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION (OBE)

Code - 45

2020-2021

Cairthi Menon

SIGNATURE OF HOD

Head

Department of Accounting and Finance
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

[Handwritten Signature]

SIGNATURE OF PRINCIPAL

PRINCIPAL

**Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.**

BACHELOR OF COMMERCE (ACCOUNTING AND FINANCE)**B.Com(AF)****CHOICE BASED CREDIT SYSTEM****OUTCOME BASED EDUCATION**

(Syllabus for students admitted from the Academic Year 2020-21 onwards)

SCHEME OF I SEMESTER

Sl. No.	Part	Course	Hours Distribution				Overall Credits	Marks		
			L	P	T	S		CIE	SEE	Total
1	I	Language	4	0	0	0	3	40	60	100
2	II	English	4	0	0	0	3	40	60	100
3	III	Core Paper I: Financial Accounting - I	4	2	0	3	4	40	60	100
4	III	Core Paper II: Economics for Finance	6	0	0	2	4	40	60	100
5	III	Allied Paper I: Business Mathematics - I	6	0	0	3	5	40	60	100
6	IV	Non Major Elective/Basic Tamil	2	0	0	1	2	50	50	100
7	IV	Skill based subjects – Soft Skills	2	0	0	0	3	50	50	100
TOTAL							24	290	410	700

SCHEME OF II SEMESTER

Sl. No.	Part	Course	Hours				Overall Credits	Marks		
			Distribution					CIE	SEE	Total
			L	P	T	S				
1	I	Language	4	0	0	0	3	40	60	100
2	II	English	4	0	0	0	3	40	60	100
3	III	Core Paper III: Financial Accounting - II	6	0	0	3	4	40	60	100
4	III	Core Paper IV: Management Concepts & Organizational Behaviour	6	0	0	2	4	40	60	100
5	III	Allied Paper II: Business Mathematics - II	6	0	0	3	5	40	60	100
6	IV	Non Major Elective/Basic Tamil	2	0	0	1	2	50	50	100
7	IV	Skill based subjects - Soft skills	2	0	0	0	3	50	50	100
TOTAL							24	290	410	700

SCHEME OF III SEMESTER

Sl. No.	Part	Course	Hours Distribution				Overall Credits	Marks		
			L	P	T	S		CIE	SEE	Total
1	III	Core Paper V: Corporate Accounting - I	6	0	0	3	4	40	60	100
2	III	Core Paper VI: Business Law	5	0	0	2	4	40	60	100
3	III	Core Paper VII: Banking Theory & Practice	5	0	0	2	4	40	60	100
4	III	Core Paper VIII: Financial Management - I	5	0	0	3	4	40	60	100
5	III	Allied Paper III: Business Statistics and Operations Research - I	6	0	0	3	5	40	60	100
6	IV	Environmental Studies <i>(Examination to be held in Semester IV)</i>	1							
7	IV	Skill based subjects –Soft skills	2	0	0	0	3	50	50	100
TOTAL							24	250	350	600

SCHEME OF IV SEMESTER

Sl. No.	Part	Course	Hours				Overall Credits	Marks		
			Distribution					CIE	SEE	Total
			L	P	T	S				
1	III	Core Paper IX: Corporate Accounting - II	6	0	0	3	4	40	60	100
2	III	Core Paper X: Financial Management - II	5	0	0	2	4	40	60	100
3	III	Core Paper XI: Corporate Law	5	0	0	2	4	40	60	100
4	III	Core Paper XII: Business Communication	5	0	0	1	4	40	60	100
5	III	Allied Paper IV: Business Statistics and Operations Research - II	6	0	0	2	5	40	60	100
6	IV	Environmental Studies	1	1	0	0	2	40	60	100
7	IV	Skill based subjects – Soft Skills	2	0	0	0	3	50	50	100
TOTAL							26	250	350	600

SCHEME OF V SEMESTER

Sl. No.	Part	Course	Hours Distribution				Overall Credits	Marks		
			L	P	T	S		CIE	SEE	Total
1	III	Core Paper XIII: Basics of Cost Accounting	6	0	0	2	4	40	60	100
2	III	Core Paper XIV: Income Tax Law & Practice - I	6	0	0	3	4	40	60	100
3	III	Core Paper XV: Practical Auditing	6	0	0	1	4	40	60	100
4	III	Core XVI: Customs & Goods & Service Tax	6	0	0	1	4	40	60	100
5	III	Elective I: * International Business	6	0	0	1	5	40	60	100
6	IV	Value Education	0	1	0	0	2	50	50	100
TOTAL							23	290	410	700

***STUDENTS HAVE THE OPTION OF CHOOSING OPEN ELECTIVES OFFERED BY OTHER SIMILAR DISCIPLINE DEPARTMENTS AND THE OPEN ELECTIVE OF THE DEPARTMENT.**

SCHEME OF VI SEMESTER

Sl. No.	Part	Course	Hours Distribution				Overall Credits	Marks		
			L	P	T	S		CIE	SEE	Total
1	III	Core Paper XVII: Management Accounting	6	0	0	2	4	40	60	100
2	III	Core Paper XVIII: Costing Methods & Techniques	6	0	0	2	4	40	60	100
3	III	Core Paper XIX: Income Tax Law and Practice - II	6	0	0	3	4	40	60	100
4	III	Elective Paper II: Choose any one 1. Investment Management 2. Corporate Finance 3. Corporate Governance & Ethics	6	0	0	3	5	40	60	100
5	III	Elective Paper III: Choose any one 1. Entrepreneurship Development & Startups 2. Marketing Management 3. Human Resource Management	6	0	0	3	5	40	60	100
6	V	Extension Activities	0	1	0	0	1			
TOTAL							23	290	410	700

DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

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Arumbakkam, Chennai – 600 106



DEPARTMENT OF PSYCHOLOGY

B.Sc PSYCHOLOGY

PROGRAMME CODE -47

SYLLABUS

CHOICE BASED CREDIT SYSTEM (CBCS)

EFFECTIVE FROM THE ACADEMIC YEAR 2020 - 2021

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Head
Department of Psychology
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

B.SC. DEGREE COURSE IN PSYCHOLOGY

FIRST SEMESTER

S. NO	COURSE COMPONENT	NAME OF THE COURSE	INSTRUCTION HOURS	CREDITS	EXAM DURATION	MAXIMUM MARKS		
						INTERNAL	EXTERNAL	TOTAL
1	PART I	Language Paper I Tamil, Hindi, Sanskrit	4	3	3	40	60	100
2	PART II	English Paper I	4	3	3	40	60	100
3	PART III	CORE-PAPER I General Psychology-I	6	4	3	40	60	100
4	PART III	CORE- PAPER II Biological Basis of Behavior- I	6	4	3	40	60	100
5	PART III	ALLIED PAPER I Principles of Sociology	6	5	3	40	60	100
6	PART IV (a) not studied tamil upto XII std – shall take tamil comprising of two courses (level VI std) (b) (b) studied tamil upto XII std-taken non tamil under part-I shall take advance Tamil comprising of two courses. (c) Others who do not come under a or b can choose non-major elective comprising of two courses	Basic Tamil Stress &Coping	2	2	3	40	60	100
7		Soft Skills I	2	2	3	50	50	100

B.SC. DEGREE COURSE IN PSYCHOLOGY

SECOND SEMESTER

S. NO	COURSE COMPONENT	NAME OF THE COURSE	INSTRUCTION HOURS	CREDITS	EXAM DURATION	MAXIMUM MARKS		
						INTERNAL	EXTERNAL	TOTAL
1	PART I	Language Paper II Tamil, Hindi, Sanskrit	4	3	3	40	60	100
2	PART II	English Paper II	4	3	3	40	60	100
3	PART III	CORE-PAPER III General Psychology-II	6	4	3	40	60	100
4		CORE- PAPER IV Biological Basis of Behavior- II	6	4	3	40	60	100
5		ALLIED PAPER II Fundamentals of Social Anthropology	6	5	3	40	60	100
6	<p style="text-align: center;">PART IV</p> <p>(a) not studied tamil upto XII std – shall take tamil comprising of two courses (level VI std)</p> <p>(b) (b) studied tamil upto XII std-taken non tamil under part-I shall take advance Tamil comprising of two courses.</p> <p>(c) Others who do not come under a or b can choose non-major elective comprising of two courses</p>	<p>Basic Tamil</p> <p>Building Psychological Capital</p>	2	2	3	40	60	100
7		Soft Skills II	2	2	3	50	50	100

B.SC. DEGREE COURSE IN PSYCHOLOGY

THIRD SEMESTER

S. NO	COURSE COMPONENT	NAME OF THE COURSE	INSTRUCTION HOURS	CREDITS	EXAM DURATION	MAXIMUM MARKS		
						INTERNAL	EXTERNAL	TOTAL
1	PART I	Language Paper III Tamil, Hindi, Sanskrit	4	3	3	40	60	100
2	PART II	English Paper III	4	3	3	40	60	100
3	PART III	CORE-PAPER V Developmental Psychology-I	6	4	3	40	60	100
4		CORE- PAPER VI Experimental Psychology (Practical)	6	4	3	25	75	100
5		ALLIED PAPER III Statistics in Psychology	6	5	3	40	60	100
6	PART IV	Soft Skills III	2	2	3	50	50	100
7		Environmental studies	Examination will be held in IV semester					

B.SC. DEGREE COURSE IN PSYCHOLOGY

FOURTH SEMESTER

S. NO	COURSE COMPONENT	NAME OF THE COURSE	INSTRUCTION HOURS	CREDITS	EXAM DURATION	MAXIMUM MARKS		
						INTERNAL	EXTERNAL	TOTAL
1	PART I	Language Paper IV Tamil, Hindi, Sanskrit	4	3	3	40	60	100
2	PART II	English Paper IV	4	3	3	40	60	100
3	PART III	CORE-PAPER VII Developmental Psychology-II	6	4	3	40	60	100
4		CORE- PAPER VIII Psychological Assessment (Practical)	6	4	3	25	75	100
5		ALLIED PAPER IV Marketing and Consumer behaviour	6	5	3	40	60	100
6	PART IV	Soft Skills III	2	2	3	50	50	100
7		Environmental studies		2	3	50	50	100

B.SC. DEGREE COURSE IN PSYCHOLOGY

FIFTH SEMESTER

S. NO	COURSE COMPONENT	NAME OF THE COURSE	INSTRUCTION HOURS	CREDITS	EXAM DURATION	MAXIMUM MARKS		
						INTERNAL	EXTERNAL	TOTAL
1	PART III	CORE-PAPER IX Psychopathology I	6	5	3	40	60	100
2		CORE- PAPER X Psychological Research & Measurement	6	4	3	40	60	100
3		CORE PAPER XI Applied Psychology	6	4	3	40	60	100
4		CORE PAPER XII Social Psychology	6	4	3	40	60	100
5		Elective I – Health Psychology	6	5	3	40	60	100
		OR						
	Project*	6	5		25	75	100	
6	PART IV	Value Education		2	1.5	50	50	100

*Guidelines for project

Students must submit three case study reports (compulsory) from three different areas mentioned below

Health and Organizational Psychology, Physical Health, Deviant behaviour, Adjustment Problems, Special Children, Neurological disorders, Educational Institutions, Retail Outlets, Service Industries, NGO

Marks = 100 Internal = 25 External = 75 (Viva = 25 Report = 50)

B.SC. DEGREE COURSE IN PSYCHOLOGY

SIXTH SEMESTER

S. NO	COURSE COMPONENT	NAME OF THE COURSE	INSTRUCTION HOURS	CREDITS	EXAM DURATION	MAXIMUM MARKS		
						INTERNAL	EXTERNAL	TOTAL
1	PART III	CORE-PAPER XIII Psychopathology II	6	5	3	40	60	100
2		CORE- PAPER XIV Organizational Psychology	6	5	3	40	60	100
3		CORE PAPER XV Social Psychology II	6	5	3	40	60	100
4		ELECTIVE I Counselling and Guidance	6	5	3	40	60	100
5		ELECTIVE II – Human Resources Management	6	5	3	40	60	100
		OR						
		Project*	12	10		50	150	200
6	PART IV	Extension Activity		1				

*Guidelines for project

Students must submit two survey reports (compulsory) from three different areas mentioned below

Mental health problems, Physical health problems, Issues pertaining to women, Social Psychology, Environmental Psychology, Consumer behaviour, Child Psychology, Old age problems.

Marks = 200 Internal = 50 External = 150 (Viva = 50 Report = 100)

**DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE, ARUMBAKKAM,
CHENNAI – 106**



**PG DEPARTMENT OF JOURNALISM AND COMMUNICATION
SYLLABUS AND REGULATIONS**

(Choice Based Credit System)

OUTCOME BASED EDUCATION

For the candidates admitted from the Academic Year 2020- 21 onwards

PRINCIPAL
Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

Head
P.G. Department of
Journalism & Mass Communication
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106

Department of Journalism and Mass Communication
For candidates admitted from the academic year 2020-2021

Curriculum Design Template of M.A. Journalism / Mass Communication 2020-21							
FIRST SEMESTER							
S.No	CourseCode	Name of Course	Semester	InstHours	Credits	ExamDuration Hours	Max Marks
1	Core 1	Human Communication	1	5	4	3	100
2	Core 2	Reporting and Writing Skills	1	5	4	3	100
3	Core 3	Editing Skills	1	5	4	3	100
4	Core 4	Information and Communication Technology	1	5	4	3	100
5	Elective 1	Travel Photography /Photojournalism (Practical 1)	1	4	3	3	100
6	Elective 2	Media Skills/Online Journalism and Web Management (Practical 2)	1	4	3	3	100
7		Soft Skills	1		2	100	
SECOND SEMESTER							
8	Core 5	Mass Communication Theories	2	5	4	3	100
9	Core 6	Media ,Culture and Society	2	5	4	3	100
10	Core 7	Communication Research Methods	2	5	4	3	100
11	Core 8	Digital Marketing	2	6	4	3	100
12	Elective 3	Human Interest Stories/Cultural Journalism (Practical 3)	2	6	3	3	100

13	Elective 4	Mobile Journalism/ News Production (Practical 4)	2	4	3	3	100
14		Soft Skills	2		2		100

Curriculum Design Template of M.A. Journalism / Mass Communication 2020-2021

THIRD SEMESTER

S.No	Course Code	Name of Course	Semester	Inst Hours	Credits	Exam Duration Hours	Max Marks
1	Core 9	Media Management	3	4	4	3	100
2	Core 10	Advertising	3	4	4	3	100
3	Core 11	Public Relation & Corporate Communication	3	4	4	3	100
4	Core 12	Dissertation (Practical 5)	3	5	4	3	200
5	Elective 5 Inter disciplinary	Documentary Production(Practical 6)	3	5	3	3	100
6	Elective 6	Deprivation Coverage / Event Management (Practical 7)	3	5	3	3	100
7	Elective 7 Extra Disciplinary	Developmental Communication /Health Communication (Practical 8)	3	5	3	3	100
8		Soft Skills	3		2	100	

FOURTH SEMESTER

9	Core 13	Media Laws and Ethics	4	4	4	3	100
10	Core 14	Film Studies and Appreciation (Practical	4	5	4	3	100

		9)					
11	Core 15	Digital Story Telling (Practical 10)	4	5	4	3	100
12		Internship	4	6	2	3	100
14		Soft Skills	2		2		100



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai – 600 106

UNDERGRADUATE DEPARTMENT OF JOURNALISM

BA JOURNALISM – PROGRAM CODE – 61

SYLLABUS WITH EFFECT FROM 2020-21

CHOICE BASED CREDIT SYSTEM

OUTCOME BASED EDUCATION

Heishu Priya

Head

Department of Journalism
Dwaraka Doss Goverdhan Doss
Vaishnav College (Shift II)
Arumbakkam, Chennai-600 106.

B. L. V.

PRINCIPAL

Dwaraka Doss Goverdhan Doss
Vaishnav College
Arumbakkam, Chennai - 600106.

COURSE CURRICULUM

Dwaraka Doss Goverdhan Doss Vaishnav College (Autonomous), Chennai – 600 106

[Affiliated to University of Madras]

B.A. [Journalism]

Curriculum (Batch 2020 – 2021 Onwards)

Semester – I	Credits	Hours	Semester – II	Credits	Hours
1. Language – I	3	6	1. Language – II	3	6
2. English – I	3	4	2. English – II	3	4
3. Basic Journalism	5	5	3. Reporting & Writing	5	5
4. History of the press in India	5	5	4. Social Issues in India	4	5
5. Desktop Publishing (Practical)	4	6	5. Webpage Design (Practical)	4	6
6. Non – Major Elective – I*	2	2	6. Non – Major Elective – II*	2	2
7. Soft Skills - I	3	2	7. Soft Skills - I	3	2
Total	25	30	Total	24	30
Semester – III	Credits	Hours	Semester – IV	Credits	Hours
1. Language - III	3	6	1. Language – IV	3	6
2. English - III	3	5	2. English - IV	3	5
3. Broadcast Journalism	5	5	3. Economic Issues in India	5	6
4. Political Issues in India	5	5	4. Indian Constitution & Legal System	4	6
5. Photo Journalism [Practical]	4	6	5. Elective I - Film Appreciation/Human Rights Reporting (Practical)	3	4
6. Soft Skills – III	3	2	6. Soft Skills – IV	3	2
7. Environmental Studies	-	1	7. Environmental Studies	2	1
Total	23	30	Total	23	30
Semester – V	Credits	Hours	Semester – VI	Credits	Hours
1. Press Laws and Ethics	5	6	1. Mass communication Theories	5	6

2. Online Journalism	5	6	2. Media Organisation	5	6
3. Internship	5	6	3. Elective IV – Environmental Journalism/Advocacy Journalism (Practical)	3	6
4. Elective II – (Interdisciplinary) Writing for Media	3	5	4. Elective V – Developmental Journalism/Cultural Journalism (Practical)	3	6
5. Elective – III Documentary/News Production (Practical)	3	5	5. Practical - Web magazine/Tabloid	5	6
6. Value Education	2	2	6. Extension Activity	1	
Total	23	30	Total	22	30

B.A. [JOURNALISM]

FIRST SEMESTER

Sl.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – I	Language – I	6	3	3	40	60
2	Part – II	English – I	4	3	3	40	60
3	Part – III	Core I - Basic Journalism	5	5	3	40	60
4	Part – III	Core II History of the Press in India	5	5	3	40	60
5	Part – III	Allied I Desktop Publishing (P)	6	4	3	40	60

6	Part – IV	Non Major Elective / *Basic Tamil / Advanced Tamil	2	2	3	40	60
7	Part – IV	Skill Based Subject Soft Skills – I	2	3	3	40	60
	Total		30	25			

SECOND SEMESTER

Sl.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – I	Language – II	6	3	3	40	60
2	Part – II	English – II	4	3	3	40	60
3	Part – III	Core III Reporting & Writing	5	5	3	40	60
4	Part – III	Allied II Social Issues in India	5	4	3	40	60
5	Part – III	Allied III Webpage Design (P)	6	4	3	40	60
6	Part – IV	Non Major Elective / *Basic Tamil	2	2	3	40	60

		/ Advanced Tamil					
7	Part – IV	Skill Based Subject Soft Skills – II	2	3	3	40	60
	Total		30	24			

THIRD SEMESTER

Sl.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – I	Language – III	6	3	3	40	60
2	Part – II	English – III	5	3	3	40	60
3	Part – III	Core IV Broadcast Journalism	5	5	3	40	60
4	Part – III	Core V Political Issues in India	5	5	3	40	60
5	Part – III	Allied IV Photo Journalism [Practical]	6	4	3	*40	*60
6	Part – IV	Skill Based Subject Soft Skills – III	2	3	3	40	60

7	Part – IV	Enviromental Studies	1		Examination will held in Semester IV		
	Total		30	23			

FOURTH SEMESTER

Sl.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CIA	ESE
1	Part – I	Language – IV	6	3	3	40	60
2	Part – II	English – IV	4	3	3	40	60
3	Part – III	Core VI Economic Issues in India	5	5	3	40	60
4	Part – III	Allied V Indian Constitution and Legal System	5	4	3	40	60
5	Part – III	Elective I Film Appreciation/Human Rights Reporting (P)	6	3	3	40	60
6	Part – IV	Skill Based Subject Soft Skills – IV	2	3	3	40	60
7	Part – IV	Enviromental Studies	2	2	3	40	60
	Total		30	23			

FIFTH SEMESTER

Sl.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CI A	ES E
1	Part – III	Core VII Press Laws and Ethics	6	5	3	40	60
2	Part – III	Core VIII Online Journalism	6	5	3	40	60
3	Part – III	Core IX Internship	5	5	3	40	60
4	Part – III	Elective II (Interdisciplinary Elective) – Writing for Media	5	3	3	40	60
5	Part – III	Elective III Documentary/News Production (P)	6	3	-	-	-
8	Part – IV	Value Education	2	2	3	40	60
	Total		30	23			

SIXTH SEMESTER

Sl.No	Course Component	Name of the Course	Instructional Hours	Credits	Examination Hours	Max. Marks	
						CI A	ES E
1	Part – III	Core X Mass Communication Theories	6	5	3	40	60
2	Part – III	Core XI Media Organisation	6	5	3	40	60
3	Part – III	Elective IV Environmental Journalism/Advocacy Journalism (P)	6	3	3	40	60
4	Part – III	Elective V Developmental Journalism/Cultural Journalism (P)	6	3	-	-	-
5	Part – III	Core XII (Practical)Web magazine/Tabloid	6	5	-	-	-
8	Part – V	Extension Activity		1			
	Total		30	22			