



SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

**(An Autonomous Institution)
TVR NAGAR, ARUPPUKOTTAI ROAD, MADURAI – 625 022**



ANNUAL QUALITY ASSURANCE REPORT 2020 - 21

Teaching Plan B.Sc., Networking 2020 - 21


**SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
DEPARTMENT OF NETWORKING**

Lesson Plan Preamble

Academic Year: 2020-2021(ODD Semester)

S.NO	SEMESTER	COURSE CODE	COURSE NAME	NAME OF FACULTY
1	I	20UT101/ 20UH101	Tamil – I / Hindi – I	Mrs.H.Geetha / Mrs.Neela
2		20UGE102	General English – I	Dr.S.Priya
3		20BN103	Principles of Networks	Mr.M.Athigopal
4		20BN104	PC Assembling& Maintenance	Mr.V.Deepan Chakkaravarthy
5		20BN105	PC Assembling & Maintenance Lab	Mr.V.Deepan Chakkaravarthy
6		20MF108	Mathematical Foundation	Mr.R.Sivasbramanian
7		20VE109	Value Education	Mr.Perumalkannan
8		20PE110	Physical Education	Mr.P.Thangamuthu
1	III	19UT301/ 19UH301	Tamil – III /Hindi-III	Mrs.H.Geetha / Mrs.Neela
2		19UGE302	General English – III	Mr.C.Senthilkumar
3		19BN303	Network Security	Dr.P.Joe Arun Raja
4		19BN304	Customer Relationship Management	Mr.M.Athigopal
5		19BN305	Linux Lab	Mr.M.Athigopal
6		19BN306	Java Network Programming Lab	Mrs.K.P.Maheswari
7		19NS311	Numerical skills	Mrs.M.Harini
8		19UBT310/ 19UAT310/ 19BN307	Basic Tamil – I / Advanced Tamil – I / PC Hardware Lab	Mrs.R.Sailakshmi/ Mrs.H.Geetha/ Mr.V.Deepan Chakkaravarthy

1	V	18BN501	Advanced Server Administration	Dr.P.Joe Arun Raja
2		18BN502	Cloud Computing	Mr.M.Athigopal
3		18BN503	Advanced Networking	Dr.R.Parthiban
4		18BN504	Network Processing	Mr.V.Deepan Chakkaravarthy
5		18BN505	Windows Server Administration Lab	Dr.P.Joe Arun Raja
6		18BN506	Network Processing Lab	Mr.V.Deepan Chakkaravarthy
7		18CRT509	Campus Recruitment Training – III	Mr.C.Senthilkumar


HOD


Dean (Academics)


Principal

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : All First Year (Except F&IS)
Title of the Course : TAMIL **Course Code:** 20UT101
Year / Semester: 2020-2021/1 **Section:** **Total No. of Students:**
No. of Credits: 3 **Total no. of Contact hours:50**

S. No	Topic	Reference / text Book Page No.	Teaching Aids	Mode of Delivery No. of Hours			Cummulative Hours
				L	T	P	
Unit I							
1	□□□□□□□□ - □□□□□□□□□□□□ □□□□□□□□□□ - □□□□□□□ □□□□□.	R1-1,2/R2-154/R3-74	BB	2	2		4
2	□□□□□□□□ □□□□□□ - □□□□□□ □□□□□. □□□□□□□□ □□□□□ □□□□□□□□ □□□□□□ - □□□□□□□□□.	R1- 5,6/ R3-50 /R4- 68	BB	2	2		4
3	□□□□□□□□□□ - □□□□□□□□ □□□□□□ □□□□□□□□.	R1-6/ R5 - 1	BB	1	1		1
Unit II							

4	□□□□ - □□□□□□ □□□□□, □□□□□.	R1-7/R6 - 13/48		1	1		2
5	□□□□□□ □□□□□□ - □□□□□□□□□□ □□□□□□□□(□□□□□□ □□□□□□□□□;).	R1-8/ R7-26	BB	1	1		2
6	□□.□□□□□□□- □□□□□□□□□□□□ □□□□□ (□□□□□□□□□ □□□□□□□).	R1-10/ R8- 99	BB	1	1		2
7	□□□□□□□□□-□□□□□□ □□□□□□□□□□□□ (□□□□□□□ □□□□□□□□ □□□□□□□□□□□□).	R1-8/ R9-121	BB	1	1		2
8	□□□□□ □□□□□□□□□- □□□□□□□□□□□□□□□□□□ □□□□□ 10 □□□□□□ □□□□□□□□□□..	R1-20/ R10- 38	BB	1	1		1
Unit III							
9	□□□□□□□□□□□□□□□□- □□□□□□□□□□□□□□□□□.	R1-22/R11- 29	BB	1	1		2
10	□□□□□□□□□□□- □□□□□□□□□□.	R1-41/R12-61	BB	1	1		2

18	□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□	R1-95/ R16-423	BB	1	1	2
19	□□□□□□□□□□□□□□ (□□□□□□□□□□□□ □□□□□□□□□□).	gilg;ghw;wy;	BB	3	3	5

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.
[Mark the abbreviation in the teaching aids column]

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

Sl.NO	Module	Lecture	Planned Topics	Date	T i m e	Total No of Hours Allotted
1	1	Lecture1	□□□□□□□□□□ □□□□□ □□□□□□□□□□			
2		Lecture2	□□□□□□□□ □□□□□□□□			
3	2	Lecture1	□□□□□□□□□□ □□□□□□□□□□;			

Gaps in the Syllabus –To meet Industrial Requirements

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) /
				Hours beyond the Time Table (HB)
1	□□□□□□ □□□□□□□□	Assignment		3
2	□□□□□□□□ □□□□□□□□ □□□□□□□□ □□□□□□□□	Seminar	3	
3	□□□□□□□ □□□□□□□□□□ □□□□□□□□□□□□□□□□	Peer teaching	2	

Resources [Citation style differs for each Programme, Kindly use the citation style (APA, MLA etc) applicable for your domain. This has been advised by the University Nominees and Experts last time]

Reference Books

R1	□□□□□□ □□□□□ -1 – □□□□□□□ □□□□□□□□ – □□□□□□□□ □□□□□□□□□□ □□□□□□□□.				
R2	□□□□□□□□□. □□□□□□□□□ □□□□□□□□. □□□□□: □□□□□□□□□ □□□□□□□□□, 1920. Print.				
R3	□□□□□□□□□□. □□□□□□□□□□ □□□□□□□□. □□□□□□□: □□□□ □□□□□□□□□□□□□□, □□□□□□□□ □□□□□□□□, 1993. Print.				
R4	□□□□□□□□ □□□□□□. □□□□□□□□ □□□□□□ □□□□□□□□. □□□□□□□: □□□□□□□□ □□□□□□□□□,				

E4	
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Topics beyond Syllabus

Module 1	
M2	NA
M3	NA
M4	NA

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage (to be decided by the Department)
	SLIP / CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	15%
	I INTERNAL	UNIT - I, II, V	50%
	II INTERNAL	UNIT - III, IV, V	50%
	Summative Examination	ALL FIVE UNITS	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mrs.H.Geetha		
Course Coordinator / In-charge	Ms.R.Sailakshmi		
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)	Mrs.N.Selvi		

Approved by

	Name	Signature	Seal	Date
HoD	Mrs.N.Selvi			
Dean Academics	Dr.S.Priya			
Principal	Dr.R.Sujatha			

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme :	B.Sc Animation, Viscom, CS, Networking, Food Science & Processing, Fire & Industrial Safety and Marine Catering Hotel Management, B.Com B&I, Honors and ACCA and B.B.A		
Course Name :	Hindi I	Course Code :	20UH101
Year / Semester	I / I	Section	
Total No. of Students		No. of Credits	3
Corresponding lab Paper	No	Total No. of Contact Hours	45
Course Teacher Name	Mrs.S.Neela		

S. No	Topic	Reference / Text Book Page No.	Teaching Aids	Mode of Delivery No. of Hours			Cumulative Hours
				L	T	P	
	Unit I						
1	□□□□□□ – peshevar.	R 1-4 / T1-79&80	BB	2	1		9
2	□□□□ □□ □□□□□□□□ - dakoo say mahatma	R 1-7 / T1 - 87	BB	2	1		
3	□□□□□□ □□□□□ - hmara bharath	R 1-9 / T1-93	BB	2	1		
	Unit II						
1	□□□□□□ □□ □□□□ – sowdagar aur baloo.	R 1-11 / T2-104	BB	2	1		9
2	□□□□□□ □□□□□□□□ - Laalachi kutha.	R 1-12/ T2-105	BB	2	1		

3	□□□□□ □□ □□□□ - Dharji aur haathi	R 1-13/ T2-116&117	BB	2	1		
Unit III							
1	□□□ □□□□□□ □□□□□□ - □□□□□□ -1 – pages 1 to 10. .	R 1-14 to 30 / T3-5 to 32	BB	2	1		9
2	□□□□ □□□□	R1-31	BB	2	1		
3	□□□ □□□□.	R1-32	BB	2	1		
Unit IV							
1	□□□□□□ □□ □□□□□□ - Doctor and a patient.	R 1-33 / T4-222	BB	2	1		9
2	□□□□□□□□ □□ □□□□□□ - Shopkeeper and buyer. □□□□□□□□ □□ □□□□□□□□ - Traveller and Auto man.	R 1-34 / T4-223	BB	2	1		
3	□□□□□□□□□□ □□ □□□□□□ □□ □□□□□□ - Customer or Fruit seller and vegetable seller.	R 1-35 / T4-224	BB	2	1		
Unit V							
1	□□ □□ □□□□□□□□□□ □□ □□□□□□ - Names of fruits and vegetables.	R 1-35&36	BB	2	1		9
2	□□□□ - Names of condiments.	R 1-37	BB	2	1		
3	□□□□□□ - Numbers - 1 to 50.	R 1-37 & 38	BB	2	1		

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.
 [Mark the abbreviation in the teaching aids column]

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

SLNO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted
1	1	Lecture1	Framing words			
2	2	Lecture2	Framing simple sentences			
3	3	Lecture3	Asking questions			
4	4	Lecture 4	Simple phrases			

Gaps in the Syllabus –To meet Industrial Requirements

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours
				beyond the Time Table (HB)
1	Framing words and sentences	Assignment		3
2		Seminar		

3		Peer teaching		
4	NA	Industrial Visit	NA	NA

Resources [Citation style differs for each Programme, Kindly use the citation style (APA, MLA etc) applicable for your domain. This has been advised by the University Nominees and Experts last time]

Reference Book	
R1	A Compiled book, covering all the topics of the syllabus prepared by the Department of Hindi.
Text Books	
T1	□□□□□□□□□□ □□□□ □□□□□□□□ □□□□ □□□□□□□□ □□□□□□ □□□□ □□□□□□□□ □□□□□□ □□□,□□□□□□□□: □□□□□□ □□□□□□ □□□□□□□□□□□□, □□□□□□ – 518
T2	□□□□□□ □□□□□□ □□□□□□□□□□ □□□□□□ □□□□ □□□□□□ □□□□□□ □□□□, □□□□□□ □□□□□□□□ - □□□□□□□□□□, 2010: □□□□□□□□ □□□□□□□□□□□□ □□□□, 2016 : □□□□□□□□
T3	□□□□□□□□□□□□ □□□□ □□□□□□□□ □□□□ □□□□□□□□□□ □□□□□□ □□□□ □□□□□□□□ □□□□□□ □□□□, □□□□□□□□ □□□□□□ □□□□□□ □□□□□□□□□□□□□□: □□□□□□ – 518.
T4	□□□□□□□□□□□□ □□□□ □□□□□□ □□□□ □□□□□□□□□□ □□□□□□ □□□□ □□□□□□□□ □□□□□□ □□□□, □□□□□□□□ □□□□□□ □□□□□□ □□□□□□□□□□□□□□: □□□□□□ – 519.
Web Resources	
W1	
W2	
E – Books /Library INFLIBNET RESOURCES	
E1	
E2	
E3	
E4	
	Topics beyond syllabus
M1	NA
M2	NA
M3	NA

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage (to be decided by the Department)
1	SLIP / CLASS TEST	UNIT - I	15%
2	I INTERNAL	UNIT - I, II, V	50%
3	II INTERNAL	UNIT - III, IV, V	50%
4	Summative Examination	ALL 5 UNITS	100%

ASSESSMENT METHODOLOGY – DIRECT
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	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Internal Examination	Yes	Yes	Yes	Yes	Yes
Assignment	Yes	Yes	Yes	Yes	Yes
Slip Test / Class Test	Yes	Yes	Yes	Yes	Yes
Project	No	No	No	No	No
Summative Examination	No	No	No	No	No

Assessment Indirect			
	Yes/No	Yes/No	Yes/No
Assessment of Course Outcome by Student Feedback	Yes		
Feedback from Alumni	No		
Feedback from Educational Experts	Yes		
Feedback from Parents	No		

Prepared by

Designation	Name	Signature	Date
Course Coordinator / In-charges	Mrs.S.Neela		
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)			

Approved by				
	Name	Signature	Seal	Date
HoD	Mrs.S.Neela			
Dean Academics	Dr.S.Priya			
Principal	Dr.R.Sujatha			

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : B.Sc. (MCHM, CS, NW, Viscom, Animation, Fire & Industrial Safety, Food Science & Processing Management)

Title of the Course : General English- I		Course Code: 20UGE102
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Year / Semester: I YEAR/ I SEMESTER	Section:	Total No. of Students:
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No. of Credits: 3		Total no. of Contact hours: 45
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Course Teacher (s) Name : Mrs.R.Suganthi Hepzibha, Dr.S.priya, Ms.T.S.Sridevi,
Mr.C.Senthilkumar and Mr.V.V.Sundaram

S. No	Topic	Reference / text Book Page No.	Teaching Aids	Mode of Delivery			Cummulative Hours
				L	T	P	
Unit I							
1	Kinds of Sentences	R1-1 / R 06, 03	BB	2	1	9	
2	Parts of Speech	R1-3 / R 06, 03	BB/PPT/V	2	1		
3	Tenses, Verbs and Modals	R1-6 / R 06, 03	BB	2	1		

Unit II							
1	My Financial Career - Stephen Leacock	R1-12	BB/V	3			9
2	Tattered Blanket - Kamala Das	R1-20	BB/V	3			
3	The Antidote - R.K. Narayan	R1-25	BB/V	3			
Unit III							
1	Etymology	R1-31	PPT	2	1		9
2	Synonyms& Antonyms	R1-33	PPT	2	1		
3	Homophones & Homonyms	R1-35	PPT	2	1		
Unit IV							
1	Sonnet 18	R1-38 / R 04	BB/PPT	3			9
2	Sonnet 55	R1-42 / R 04	BB/PPT	3			
3	Sonnet 116	R1-45 / R 04	BB/PPT	3			
Unit V							
1	Letter Writing (Formal and Informal)	R1-47 / R 06, 05	BB/WS	2	1		9
2	E-mail Writing (Formal and Informal)	R1-51 / R 06, 05	BB/WS	2	1		
3	Reading Comprehension	R1-54 / R 06, 05	BB/WS	2	1		
* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical							

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.
[Mark the abbreviation in the teaching aids column]

Text Books	
T1	General English-I, A Compiled book, covering all the topics of the syllabus prepared by the Department of English.
Reference Books	
R1	Dr.K.Alex. Soft Skills . New Delhi: S.Chand& Company Ltd, 1997. Print.
R2	Dr. Gupta C.B. Business Correspondence & Reporting -Business Law, Business Correspondence & Reporting (CA-Foundation) . New Delhi: Taxmann, 2018. Print.
R3	G.Radhakrishna Pillai. Emerald English Grammar and Composition . Bangalore: Emerald Publisher, 1998. Print.
R4	Paul Joseph Margaret. Bequest of Wings . USA: Macmillan India Limited, 1994. Print.
R5	Srivasan Hema. Communication Skills . Bangalore: Frank Brothers & Co. Ltd, 2004. Print.
R6	Wren & Martin. High School English Grammar & Composition . India: S.Chand & Company Ltd, 1995. Print.
Web Resources	
W1	https://www.enotes.com/topics/my-financial-career
W2	http://tatteredblanket.blogspot.com/
W3	https://www.poetryfoundation.org/poems/45087/sonnet-18-shall-i-compare-thee-to-a-summers-day
W4	https://www.poetryfoundation.org/poems/46455/sonnet-55-not-marble-nor-the-gilded-monuments
W5	https://www.sparknotes.com/nofear/shakespeare/sonnets/sonnet_116/
E – Books /Library INFLIBNET RESOURCES	
E1	https://nlist.inflibnet.ac.in/search/Record/EBC483375
E2	https://nlist.inflibnet.ac.in/search/Record/EBC481114
E3	https://nlist.inflibnet.ac.in/search/Record/EBC1864716

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Gaps in the Syllabus				
SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) /
				Hours beyond the Time Table (HB)
1	Essay Writing on Subjective Topics	Assignment		3
2	Extempore	Seminar	3	
3	On Any Modules	Peer teaching	2	
4	NA	Industrial Visit	NA	NA

Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

SI.NO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted
1	1	Lecture 1	Newspaper/Article reading			
2	2	Lecture 2	Collecting & Reporting News			

3	3	Lecture 3	Learning a New Word Everyday		
4	4	Lecture 4	Public Speaking		

PORTION FOR EXAMINATION			
Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage (to be decided by the Department)
1	SLIP / CLASS TEST	UNIT - I	15%
2	I INTERNAL	UNIT - I, II, V	50%
3	II INTERNAL	UNIT - III, IV, V	50%
4	Summative Examination	ALL 5 UNITS	100%

Prepared by

Designation	Name	Signature	Date
Course Coordinator / In-charges	Mr.C.Senthilkumar		
Course Coordinator / In-charges	Mr.V.V.Sundaram		
Module Coordinator	Mrs.R.Suganthi Hepzibha		

Approved by

Name	Signature	Date

HoD	Mrs.R.Suganthi Hepzibha		
Dean Acad emics	Dr.S.Priya		
Princ ipal	Dr.R.Sujatha		

				L	T	P	
UNIT - I							
1.	Introduction to Networks : Definition: Network -The Local Area Network (LAN)	T 1-5	PPT, Video	3			3
2.	Common Network Components - Virtual LANs (VLANs) - Wide Area Network (WAN) - Virtual Private Networks (VPNs) - Network Architecture: Peer-to-Peer or Client/Server	T 5-13	PPT, Video	5			5
3.	Physical Network Topologies - Bus Topology - Star Topology - Ring Topology - Mesh Topology - Point-to-Point Topology - Point-to-Multipoint Topology - Hybrid Topology - Topology Selection, Backbones, and Segments - Selecting the Right Topology.	T 13-22	PPT, Video PPT, Video	7			7
UNIT - II							
4.	Networking Connectors, and Wiring Standards : Physical Media - Coaxial Cable - Twisted-Pair Cable - Fiber-Optic Cable - Serial Cables	T 63 - 75	PPT, Video	5			5
5.	Properties of Cables - Transmission Speeds - Distance - Duplex - Noise Immunity (Security, EMI) - Frequency - 01Wiring Standards - 568A vs. 568B	T 75 - 78	PPT, Video	5			5
6.	Straight-Through Cable - Crossover Cable - Rollover Cable - Hardware Loopback - Installing Wiring Distributions	T 78 - 83	PPT, Video	5			5
UNIT - III							
7.	Networking Devices: Common Network Connectivity Devices - Hub - Repeater - Modem - Network Interface Card (NIC) - Transceiver (Media Converter) - Bridge	T 132 - 141	PPT, Video	4			4

	- Switch - Wireless Access Point (AP)						
8.	Router - Firewall - Dynamic Host Configuration Protocol (DHCP) Server -Other Specialized Devices - Multilayer Switch - Content Switch	T 142 - 148	PPT, Video	3			3
9.	Intrusion Detection or Prevention System (IDS/IPS) - Load Balancer - Multifunction Network Devices - Domain Name Service (DNS) Server - Bandwidth Shaper - Proxy Server - Channel Service Unit/Data Service Unit (CSU/DSU)	T 148 - 157	PPT, Video	5			5
10.	Network Segmentation - Switches and Bridges at the Data Link Layer - Hubs at the Physical Layer .	T 157 - 165	PPT, Video	3			3
UNIT - IV							
11.	Introduction to Internet Protocol (IP) : Introducing TCP/IP - A Brief History of TCP/IP - TCP/IP and the DoD Model - The Process/Application Layer Protocols	T 179 - 183	PPT, Video	5			5
12.	The Host-to-Host Layer Protocols - The Internet Layer Protocols	T 190 - 200	PPT, Video	2			2
13.	IP Addressing - IP Terminology - The Hierarchical IP Addressing Scheme – IPv4 Addresses Types - Troubleshooting IP Addressing	T 215- 230	PPT, Video	8			8
UNIT - V							
14.	Network Threats : Recognizing Security Threats - Denial of Service (DoS)	T 463- 468	PPT, Video	5			5
15.	Viruses - Worms - Attackers and Their Tools - Rogue Access Points - Social	T	PPT,	5			5

	Engineering (Phishing)	468-475	Video				
16.	Firewalls - Network-Based Firewalls - Host-Based Firewalls - Network Troubleshooting - Troubleshooting Steps	T 500-503 661 - 684	PPT, Video	5			5
TOTAL							75

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Text Book

T1	Todd Lammle, “ <i>CompTIA Network+ Study Guide</i> “ Wiley Publishing, New York, 2009.
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Reference Books

R1	Richard Deal ,“ <i>Cisco Certified Network Associate Study Guide</i> ”, Tata McGraw-Hill, New Delhi.2008.
R2	BehrouzForouzon,“ <i>Data Communication and Networking</i> ”,4th Edition - TMHPublications. New Delhi , 2006
R3	James Michel Stewart, Kurt Hudson, James Michel Stewart ,“ <i>Network Essentials</i> ”, dream tech publications , New Delhi, 2000

Web Resources

W1	https://www.slideshare.net/hlalu861/network-ppt
W2	https://www.slideserve.com/fuller/types-of-cables
W3	https://www.slideshare.net/dulithsl/internet-protocol-ip-ppt
W4	https://slideplayer.com/slide/4241361/

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.				
2.				
3.				
4.				
5.				

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST		20%
2.	I INTERNAL		50%
3.	II INTERNAL		80%
4.	End Semester Examination		100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator	Mr.M.Athigopal		

Programme Coordinator	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme: B.Sc Networking

Programme Code : NW1009

Sl. No.	TOPIC	Reference / Text BookPage No	*Teaching Aids	Mode of Delivery No of Hours	Cumula tive Hours
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Title of the Course : PC Assembling & Maintenance Course Code : 20BN104

Year / Semester : I / I Section: Total No. of Students : 15

No of Credits : 5 Total No. of Contact Hours : 75

Course Teacher (s) Name: Mr.V.Deepan chakkaravarthy Corresponding lab Paper: Yes

				L	T	P	
UNIT - I							
17.	The Visible PC, Input, Processing, Output, Storage-The Art of the PC Technician- The Complete PC, External Connections	T 79-92	PPT	4			4
18.	Devices and Their Connectors- Inside the System Unit, Case, CPU, RAM, Motherboard Power Supply	T 93-106	PPT	4			4
19.	Floppy Drive Hard Drive- Optical Media drives-Microprocessors, CPU Core Components	T 106-108& 233-237	PPT	4			4
20.	Register-Clock, External Data Bus-Memory- Memory and RAM, Address Bus-Modern CPUs.	T 237-253	PPT	3			3
UNIT - II							
21.	RAM: Understanding DRAM- Organizing DRAM-Practical DRAM	T 283-289	PPT	4			4
22.	Types of RAM-Working with RAM	T 289-299	PPT	2			2
23.	BIOS and CMOS-Historical/Conceptual-CMOS-Option ROM and Device Drivers	T 321-343	PPT	5			5
24.	Power-on Self Test-POST Cards-The Boot Process, Care and Feeding of BIOS and CMOS-Losing CMOS Settings, Flashing ROM, UEFI	T 344-352	PPT	4			4
UNIT - III							
25.	Expansion Bus :Structure and Function of the Expansion Bus – Modern Expansion Buses – System Resources – Installing Expansion Cards	T 372-389	PPT	5			5
26.	Motherboards: Form Factors, Chipset, Motherboard Components-Upgrading and	T	PPT	5			5

	installing motherboard – Trouble shooting	359-372 & 392-401					
27.	Power Supplies:Powering the PC Supplying AC Supplying DC-Installing and Maintaining Power Supplies Installing, Cooling- Troubleshooting Power Supplies.	T 408-439	PPT	5			5
UNIT - IV							
28.	Hard Drive Technologies: Platter-Based Hard Drives Solid-State Drives-Parallel and Serial ATA, -SCSI: SCSI Chains, SCSI IDs	T 443-474	PPT	4			4
29.	RAID: Implementing RAID- Personal RAID, Installing Drives- Choosing Your Drive, Jumpers and Cabling on PATA Drives, Cabling SATA-Drives- Connecting Solid-State Drives, Connecting SCSI Drives	T 474-485	PPT	3			3
30.	BIOS Support: Configuring CMOS - Installing Drivers Configuring Controllers, Auto detection-Boot Order, Enabling AHCI, Troubleshooting Hard Drive, Hybrid Hard Drives.	T 486-491	PPT	3			3
31.	Local Area Networking: Network topology- Network Operating Systems – installing and configuring a wired network – Trouble shooting Networks.	T 1073-1089	PPT	5			5
UNIT - V							
32.	The internet: Connecting to the internet – Internet Software Tools – Virtual Private Networks	T 1132-1174	PPT	5			5
33.	Securing Computers – Analyzing Threats - Essential practical approach	T 1359-1366	PPT	5			5
34.	Security Concepts and Technologies – Network Security	T 1366-1410	PPT	5			5
Total							75

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

SLNO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted

Gaps in the Syllabus –To meet Industrial Requirements

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.		Assignment		
		Seminar		
		Peer teaching		
		Industrial Visit		

Resources [Citation style differs for each Programme, Kindly use the citation style (APA, MLA etc) applicable for your domain. This has been advised by the University Nominees and Experts last time]

Text Books

T1	Mike Meyers, “ <i>CompTIA A+ Certification Guide</i> ”,TMH Publications, New Delhi, 8 th Edition, 2010.
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Reference Books

R1	Stephen J.Bigelow,“ <i>Trouble Shooting, maintaining and Repairing PCs</i> ”,, Tata McGraw-Hill, New Delhi, 2001.
R2	Craig Zacker& John Rourke, “ <i>The complete Reference:PC hardware</i> ”,Tata McGraw-Hill, New Delhi, 2001.

Web Resources

W1	
W2	
W3	
W4	

E – Books /Library INFLIBNET RESOURCES

E1	
E2	

E3	
E4	

Topics beyond Syllabus

Module 1	
M2	
M3	
M4	

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage(to be decided by the Department)
	SLIP / CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	
	I INTERNAL	UNIT - I,II,V	
	II INTERNAL	UNIT - III,IV,V	

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mr.V.Deepan Chakkaravarthy		
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)	Mr.M.Athigopal		

Approved by				
	Name	Signature	Seal	Date
HoD	Mr.M.Athigopal			
Dean Academics	Dr.S.Priya			
Principal	Dr.R.Sujatha			

No.	t			in the Lab Manual	Syllabus if any	beyond Syllabus, if any	Hours	Hours
1		1	Assembling and De-Assembling of PC				5	5
2		2	CMOS setup configurations				5	1
3		3	Create Bootable Drive using DVD,USB and OS Installation WINDOWS 7,WINDOWS 10, LINUX				5	15
4		4	Installation and Configuration of Drivers Printer, Scanner, Bio Matric Device				5	20
5		5	Installation of drivers				5	25
6		6	Application installation (a. MS Office,b.SqlServer)				5	30
7		7	Fault finding and Repairing the following <ul style="list-style-type: none"> a. Keyboard b. Mouse c. RAM d. FDD (remove) e. CD/DVD drive f. HDD g. Mother board h. Processor i. Jumper (remove) j. SMPS 				10	40
8		8	Fault finding and troubleshooting in LAN <ul style="list-style-type: none"> a. Network Troubleshooting Utilities b. Hardware Troubleshooting Tools c. Common Connectivity Issues 				10	50
9		9	Revision				10	60

Include Lab manual details and mode of assessment direct and indirect

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / Incharge			
Module Coordinator (one person who would coordinate all Courses in a Programme according to OBE)			

ApprovedBy			
	Name	Signature	Date
HoD			
Dean Academics			
Principal			

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020– 2021 (ODD SEMESTER)

Name of the Programme : B.Sc Networking		
Programme Code : NW1009		
Title of the Course : Mathematical Foundation		Course Code : 20MF108
Year / Semester : I/I		Total No. of Students : 15
No of Credits : 5		Total No. of Contact Hours : 5
Course Teacher Name : Mrs. Harini		Corresponding Lab Paper : Yes / No

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT - I							
1	Introduction - Notation and description of sets	T1-1.1	BB/ WB/ OER	1	0	0	1
2	Subsets & Venn- Euler Diagram	T1-1.3	BB/ WB/ OER	2	1	0	4
3	Operations on sets - Properties of set operations	T-1.9	BB/ WB/ OER	3	1	0	8
4	Verification of the basic laws by Venn diagram	T1-1.15	BB/ WB/ OER	3	1	0	12
5	The principal of duality	T1-1.24		2	1	0	15
UNIT - II							
6	Cartesian Product of Two Sets - Basic Definitions	T1-2.1	BB/ WB/ OER	2	1	0	3
7	Representation of Relation - Matrix Relation -	T1-2.10	BB/ WB/ OER	1	1	0	5
8	Di-Graph of a Relation - Principle of Mathematical Induction	T1-4.1	BB/ WB/ OER	1	1	0	7
9	Recurrence Relations	T1-5.5	BB/ WB/ OER	2	1	0	10
10	Telescopic Form of a Polynomial	T-5.15	BB/ WB/ OER	1	0	0	11
11	Find the Recurrence Relation	T1-5.1	BB/ WB/ OER	1	1	0	13
12	Solve the Recurrence	T1-5.5	BB/ WB/ OER	1	1	0	15
UNIT - III							
13	Logical Operators	T1-9.1	BB/ WB/ OER	1	0	0	1
14	Truth Tables	T1-9.21	BB/ WB/ OER	2	1	0	4
15	Tautology - Contradiction	T1-9.25	BB/ WB/ OER	2	1	0	7
16	Parsing Trees - Draw the parsing tree from the formula	T1-9.30	BB/ WB/ OER	3	1	0	11

17	Find the formula from the Parsing Tree	T1-9.31	BB/ WB/ OER	3	1	0	15
UNIT - IV							
18	Characteristic equation	T2-58	BB/ WB/ OER	2	0	0	2
19	Eigen value and Eigen vector	T2-55	BB/ WB/ OER	3	1	0	6
20	Cayley Hamilton theorem	T2-58	BB/ WB/ OER	3	1	0	10
21	Reduction to diagonal form	T2-64	BB/ WB/ OER	3	2	0	15
UNIT - V							
22	Graph - Finite and Infinite Graphs	T1-11.1	BB/ WB/ OER	2	0	0	2
23	Incidence and Degree -Isolated Vertex, Pendant Vertex, and Null Graph	T1-11.5	BB/ WB/ OER	2	1	0	5
24	Isomorphism	T1-11.12	BB/ WB/ OER	1	0	0	6
25	Sub-graphs - Walks, Paths and Circuits - Connected	T1-11.20	BB/ WB/ OER	2	1	0	9
26	Disconnected Graphs - - Konigsberg Bridge Problem - Operations on Graphs	T1-11.103	BB/ WB/ OER	2	1	0	12
27	Euler Graphs - Hamiltonian Paths and Circuits.	T1-11.102	BB/ WB/ OER	2	1	0	15
Total							75

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Text Books	
T1	1) Discrete Mathematics by Dr. M.K. Venkatraman, Dr. N. Sridharan and N. Chandrasekaran, Published by The National Publishing Company, Basement, Regina Mansion, 46, Moore Street,Chennai – 600 001.
T2	2) Higher Engineering Mathematics by Dr. B.S. Grewal Published by Khanna Publishers , 2–B, Nath Market , Nai Sarak , Delhi – 110006.
T3	3) Graph Theory with Applications to Engineering & Computer Science by Narsingh Deo, Published by Printice-Hall of India Private Ltd, M-97, Connaught Circus, New Delhi – 100 001.

Reference Books	
R1	1. "Discrete Mathematics" by Seymour Lipschutz& Marc Lars Lipson (Shaum's Outlines, 2nd Edition), Published by TATA McGraw-Hill Publishing Company Ltd, 7, West Patel Nagar, NewDelhi – 110008.
R2	2. A Textbook of Matrices by P.K MITTAL and SHANTHI NARAYAN Published by S.Chand & Company Ltd

Web Resources

W1	https://mathworld.wolfram.com/
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E – Books /Library INFLIBNET RESOURCES

E	http://www.cs.yale.edu/homes/aspnes/classes/202/notes.pdf
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COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

<u>SL.NO</u>	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted		

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1	I INTERNAL	Unit - I, II, III (50%)	50%
2	II INTERNAL	Unit – III (50%) , IV, V	50%
3	End Semester Examination	Unit I to V	100%

Prepared by

Designation	Name	Signature	Date
Course Coordinator / In-charge	Mrs. Harini		
Programme Coordinator			

Approved by

Designation	Name	Signature	Date
HoD	Mr. R. Sivasubramanian		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : NW1009

Title of the Course : VALUE EDUCATION

Course Code :20VE109

Year / Semester : I

Total No. of Students : 16

No of Credits : 2

Total No. of Contact Hours : 30 Course Teacher (s) Name:

MR.PERUMAL KANNAN.K

Corresponding lab Paper : No

Sl. No.	TOPIC	Reference / Text BookPage No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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				L	T	P	
UNIT I: INTRODUCTION TO VALUE EDUCATION							
1.	Objectives and components of value education— HumanValues –	(C-02-07)	V	1			1
2.	Needfor value education	(C-07-08)	V	1			2
3.	Significanceand importance of value education	(C-08-11)	V	1			3
4.	HumanValues	(C-24-27)	V	1			4
5.	Relation between moral values and religion	(C-27-28)	V	1			5
UNIT –II <u>VALUE EDUCATION FOR NATION BUILDING</u>							
6.	National and constitutional values	(C-33-35)	V	1			6
7.	Categorization of values	(C-34-39)	V	1			7
8.	Environmental ethical values	(C-39-40)	V	2			9
9.	Nationalintegration	(C-40-42)	V	1			10
10.	Valueseeds	(C-42-45)		1			11
<u>UNIT III: HUMAN RIGHTS WITH INDIAN CONSTITUTION</u>							
11.	The concept of human rights – Universal declaration of human rights – Classificationof human rights – social practice – Growthof fundamental rights in India – Humanrights of Women and children – standard	(C-63-67)	V	1			12
12.	Universal declaration of human rights	(C-46-51)	V	1			13

13.	Classification of human rights	(C-51-52)	V	2			15
14.	social practice	(C-53-55)	V	1			16
15.	Growth of fundamental rights in India	(C-55-57)	V	2			18
16.	Human rights of Women and children	(C-57-62)	V	1			19
UNIT IV: MORAL VALUES, ETHICS AND GOOD MANNERS							
17.	Moral values and Ethics – Socialvalues – Spiritual values – Goodmanners –	(C-68-80)	V	1			20
18.	Social values	(C-70-71)	V	2			22
19.	Spiritual values	(C-72-73)	V	1			23
20.	Good manners	(C-78-80)	V	1			24
21.	CharacterBuilding	(C-81-82)	V	2			26
UNIT –V : <u>EIGHT LIMBS OF YOGA</u>							
22.	<u>Yamas NiyamaĀsana PrānāyāmaPratyāhāraDhāraṇā DhyānaSamādhi</u>	<u>(C-83-94)</u>	V	4			30

Course material/Text book

C1	Value education- Theory course material
T2	Ramachandra Dr. K, et.al, “VALUE EDUCATION”, Himalaya Publishing house,2017.
T3	Isaiarasu Dr.L., “THOUGHTS ON VALUE EDUCATION,HUMAN RIGHTS AN WOMEN STUDIES”,Curriculum Development Cell, Ayya Nadar Janaki Ammal College, Sivakasi-2014.
C4	https://en.wikipedia.org/wiki/Ashtanga_(eight_limbs_of_yoga)

Reference Books

R1	Ramachandra Dr. K, et.al, “VALUE EDUCATION”, Himalaya Publishing house,2017.
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R2	Isaiarasu Dr.L., “THOUGHTS ON VALUE EDUCATION,HUMAN RIGHTS AN WOMEN STUDIES”,Curriculum Development Cell, Ayya Nadar Janaki Ammal College, Sivakasi-2014.
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Web Resources

W1	https://www.pdfdrive.com/value-education-e34880254.html
W2	https://www.researchgate.net/publication/293755836_VALUE_EDUCATION_NEED_OF_THE_HOUR
W3	https://www.kmti.in/value-education/

E – Books /Library INFLIBNET RESOURCES

E1	https://cbseportal.com/e-books/download-free-ncert-e-book-education-for-values-in-school-a-framework
E2	https://ncammt17.files.wordpress.com/2017/02/value-education-book.pdf
E3	https://books.google.co.in/books?id=xDkWN8uEtx4C&printsec=frontcover&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false
E4	https://books.google.co.in/books?id=826KxMDZ6cQC&source=gbs_similarbooks
E5	https://www.google.co.in/books/edition/Value_education_and_human_rights/uUQkF8Lrc6IC?hl=en&gbpv=1&dq=value+education+text+books&printsec=frontcover

Gaps in the Syllabus

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Swamy Vivekananda-Spiritual Speeches	Assignment	2	HT
2.	Dr.APJ Abdul Kalam-Motivational speeches	PPT	2	HT
3	Elan Musk-Innovation story	Video	2	HT

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

Sl.NO	Module	Mode of delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1		Seminar	PPT	National leaders	3
2		Seminar	PPT	Social responsiplty for students	3
3		Seminar	PPT	Foreign country visa, Migration, Rules & Regulation Procedure	3

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage(to be decided by the Department)
	I INTERNAL	UNIT - I,II, III	50
	II INTERNAL	UNIT - III,IV,V	50
	Summative Examination	ALL FIVE UNITS	100

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mr.K.Perumal kannan		
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)	Mr.V.Deepan Chakkaravarthy		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

NAME OF THE COURSE: PHYSICAL EDUCATION

Title of the Course : Physical Education

Course Code : 20PE110

Year / Semester : 2020 / I

Section:

Total No. of Students : 340

No of Credits : 1

Total No. of Contact Hours : 40 Course Teacher (s) Name

:Mr.P.Thangamuthu

Corresponding Practical : Yes

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT - I							
35.	<u>Track Events</u> Introduction of Track events - Short distance race - Skills, Rules and Regulations of 100 m, 200 m and 400 m.	T 1- 10	PPT, Video	1		1	2
36.	4 x 100 m Relay, 4 x 400 m Relay. 110 m Hurdles, 100 m Hurdles and 400 m hurdles - Middle distance race - 800 m, 1,500 m	T 10 -15	PPT, Video	1		1	4
37.	Long distance - 3,000 m, 5,000 m, 10,000 m, Combined Events	T 15 -18	PPT, Video	1		1	6
38.	Race Walking, Marathon, Officials and their Duties.	T 18 - 19	PPT, Video	1		1	8

UNIT – II

39.	<u>Jump Events</u> Introduction of Jump Events – Skills, Rules and Regulations of Long Jump,	T 20 - 22		1		1	10
40.	Triple Jump	T23		1		1	12
41.	High Jump	T 24 - 26		1		1	14
42.	Pole Vault	T 26 - 28		1		1	16
UNIT – III							
43.	<u>Throw Events</u> Introduction of Throw Events – Skills, Rules And Regulations of Shot Put Throw	T29 -31		1		1	18
44.	Discus Throw	T 32 - 34		1		1	20
45.	Hammer Throw	T 35 - 36		1		1	22
46.	Javelin Throw	T 36 - 37		1		1	24
UNIT – IV							
47.	Games Introduction of Basketball Games – Skills - Rules and Regulations.	T 39 - 47		2		2	28

48.	Football Games – Skills - Rules and Regulations.	T 48 - 54		1		1	30
49.	Volley ball Games – Skills - Rules and Regulations.	T 55 - 63		1		1	32
UNIT – V							
50.	<u>Indigenous Games (Indian Origin Games)</u> Introduction of Ball Badminton Skills - Rules and Regulations.	T 64 - 69		2		2	36
51.	Kabaddi - Skills - Rules and Regulations.	T70 - 83		2		2	40
TOTAL							40

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Gaps in the Syllabus –To meet Industrial Requirements

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
	Athletics and Outdoor Games	Assignment	1	HB
	Practical	Viva voice	1	HT

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

Sl.NO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted
1	1	Lecture1	IAAF Rules and Regulations			1
2		Lecture2	Outdoor Games			1
3	2	Lecture1	Indoor Games			1
4		Lecture 2	AIU Rules and Regulations			1

Resources [Citation style differs for each Programme, Kindly use the citation style (APA, MLA etc) applicable for your domain. This has been advised by the University Nominees and Experts last time]

Text Book

T1	Sidhu G.S, AhluwaliaA.K., " <i>Sports and Games</i> ", Varun Publishing House, Lalkurti, Meerut. 2003.
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Reference Books

R1	George Immanuel, " <i>Track and Field Layout and Marking</i> " Krishnamurthy and Co, Chennai,1997
R2	R.L.Anand, " <i>Play Field Manual</i> " NIS Publication, Patiala, 1987.
R3	H.C.Buck, " <i>Rules of Games and Sports</i> ", YMCA Publications, Chennai, 1992.
R4	Sebastian Coe IAAF President " <i>IAAF Competition Rules</i> " Monaco Cedex: IAAF Publishing, 2018- 2019.

Web Resources

W1	http://www.iaaf.org
W2	https://www.fifa.com
W3	https://www.britannica.com/sports/basketball

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Topics beyond Syllabus

Module 1	
M2	
M3	
M4	

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage(to be decided by the
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			Department)
1	CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	
2	II INTERNAL	UNIT - I,II,III,IV,V ALL FIVE UNITS	

ASSESSMENT METHODOLOGY –DIRECT

	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Internal Examination					
Assignment					
Class Test					

Assessment Indirect

	Yes/No	Yes/No	Yes/No
Assessment of Course Outcome by Student Feedback			
Feedback from Alumni			
Feedback from Educational Experts			

Feedback from Parents			
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Designation	Prepared by			
	Name	Signature	Date	
Course Coordinator / In-charge	Mr.P.Thangamuthu			
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)	Mr.V.DeepanChakkaravarthy			
Approved by				
	Name	Signature	Seal	Date
HoD	Mr.M.Athigopal			
Dean Academics	Dr.S.Priya			
Principal	Dr.R.Sujatha			

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : All First Year (Except F&IS)
Title of the Course : TAMIL
Year / Semester: 2020-2021/III **Section:**
No.Of Credits: 3
Course Code: 19UT301
Total No. of Students:
Total no. of Contact hours:45

S. No	Topic	Referen ce / text Book Page No.	Teaching Aids	Mode of Delivery No. of Hours			Cummulative Hours
				L	T	P	
Unit I							
1	□□□□□□□□□□ □□□	R1- 1/R1 - 335	BB	2	2		4
2	□□□□□□□□□	R1-4 /R2- 171	BB	2	2		4
3	□□□□□□□□□□ □□□	R1-9 /R3 -70	BB	1	1		1
Unit II							
4	□□□□□□□□□□ □□	R1- 14/1/ R4- 654		1	1		3

5	□□□□□□□□□□ □□	R1-35/ R5-59	BB	1	1		3
6	□□□□□□□□□□ □□□□□□□□	R1-30/ R6-35	BB	1	1		3
Unit III							
9	□□□□□□□□□□ □□	R1-40/ R7-103	BB	1	1		9
Unit IV							
13	□□□□□□□□	R1- 81/R8- 60	BB				2
14	□□□□□□□□□□ □□	R1-82/ R8-92	BB	2	2		2
15	□□□□□□□□□□	R1- 84/1R8 -104	BB	2	2		3
16	□□□□□□□□□□ □□□□ – □□□□□□□□□□	R1- 86/ R8 - 450 8	BB	1	1		2
Unit V							
17	□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□	R1- 92/R9- 109	BB	1	1		2
18	□□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□	R1- 89/R 9- 362	BB	1	1		2

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* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

SI.NO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted
1	1	Lecture 1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			

			□ □ □ □ □			
2		Lecture 2	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □			
3	2	Lecture 1	□ ;			

Gaps in the Syllabus –To meet Industrial Requirements

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) /
				Hours beyond the Time Table (HB)
1	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Assignment		3

M4	NA
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PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portion to be Covered	Proportion (Portion) in Percentage (to be decided by the Department)
	SLIP / CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	15%
	I INTERNAL	UNIT - I, II, V	50%
	II INTERNAL	UNIT - III, IV, V	50%

	Summative Examination	ALL FIVE UNITS	100%

ASSESSMENT METHODOLOGY – DIRECT

	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Internal Examination	Yes	Yes	Yes	Yes	Yes
Assignment	Yes	Yes	Yes	Yes	Yes
Slip Test / Class Test	Yes	Yes	Yes	Yes	Yes
Project	No	No	No	No	No

Summative Examination	No	No	No	No	No
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Assessment Indirect

	Yes/No	Yes/No	Yes/No
Assessment of Course Outcome by Student Feedback	Yes		

Feedback from Alumni	Yes		
Feedback from Educational Experts	Yes		
Feedback from Parents	Yes		

Designation	Prepared by		
	Name	Signature	Date

Course Coordinator / In-charge	Mrs.H.Geetha		
Course Coordinator / In-charge	Ms.R.Sailakshmi		

<p>Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)</p>	<p>Mrs.N.Selvi</p>		
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Approved by				
	Name	Signature	Seal	Date
HoD	Mrs.N.Selvi			

Dean Academics	Dr.S.Priya			
Principal	Dr.R.Sujatha			

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme :	B.Sc Animation, Viscom, CS, Networking, Food Science & Processing, Fire & Industrial Safety and Marine Catering Hotel Management		
Course Name :	Hindi III	Course Code :	19UH301

Year / Semester	II/ III	Section	
Total No. of Students		No. of Credits	3
Corresponding lab Paper	No	Total No. of Contact Hours	45
Course Teacher Name	Mrs.S.Neela		

.No	Topic	Reference / Text Book Page No.	Teachi ng Aids	Mode of Delivery No. of Hours	Cummulative Hours		
					L	T	P
	Unit I			L	T	P	
1	□□□ □□□□□□ (bahoo ki vida)	R 1-3 to 9 / T1-38 to 43	BB	2	1		9
2	□□□□□□□□□□ (andhear nagaree)	R 1-9 to 18 / T1 -43 to 50	BB	2	1		
Unit II							
1	□□□□ □□ □□□□ (kabeer ke dohe)	R 1-18,19 / T2-16	BB	2	1		9
2	□□□□□ □□ □□□□ (tulsi ke dohe)	R 1-19,20 / T2-17	BB	2	1		
3	□□□□ □□□□□□ (rahim ke dohe)	R 1-21,22/ T1-18	BB	2	1		

3	□□□□□ □□ □□□□ - Dharji aur haathi	R 1-13/ T1- 116&117	BB	2	1		
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Unit III

1	□□□□□□ □□ □□□□□□□□ □□ □□□ (sangya-pribhasha aur beadh)	R 1-22,23 / T1-9	BB	2	1		9
2	□□□□□□□ □□□□□□□□□□ □□ □□□ (sarvanaam-pribhasha aur beadh)	R 1-23,24 / T3-17 & 18	BB	2	1		
3	□□□□□□ □□□□□□□□□□ □□ □□□ (visheshan-pribhasha aur beadh)	R 1-24,25/ T3-19 & 20	BB	2	1		

Unit IV

1	□□□□ (Invoice)	R 1-26 to 28 / T4-67 & 68	BB	2	1		9
2	□□□□□ □□□□ – Self introduction(□□□□ □□□□□ □□□□, □□□□ □□□□□□ □□□□□□ □□□ □□ □□□□ □□□ □□□□□ □□ □□)	R 1-28 to 33 / T4-223	BB	2	1		
3	□□□□□□ □□□ □□□□□□ – Telephone conversation (Ordering food, medicine and some things over phone for home delivery, □□□□ □□ □□□□□□ □□□ □□□□□□, □□□□ □□□□□□□ □□ □□□□□)	R 1-33 ,34 / T4-224	BB	2	1		

Unit V

1	□□□□□□□ □□ □□□□□ □□□ □□ Hints developing	R 1- 34 to 37	BB	2	1		9
2	□□□□ □□□□□- slogan writing	R 1- 37 to 40	BB	2	1		

L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

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LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

Mark the abbreviation in the teaching aids column]

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COURSE PLAN FOR CONTENT BEYOND SYLLABUS

S.NO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted
1	1	Lecture1	Translation			
2	2	Lecture2				
3	3	Lecture3				
4	4	Lecture 4				

Gaps in the Syllabus –To meet Industrial Requirements						
Sl. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) /		
				Hours beyond the Time Table (HB)		
1	Framing words and sentences	Assignment		3		
2		Seminar				
3		Peer teaching				
4	NA	Industrial Visit	NA	NA		

Resources [Citation style differs for each Programme, Kindly use the citation style (APA, MLA etc) applicable for your main. This has been advised by the University Nominees and Experts last time]

Reference Book

R1 A Compiled book, covering all the topics of the syllabus prepared by the Department of Hindi.

Text Books

T1 □□□□□□□□□□ □□□□ □□□□□□□□□□ □□□□□
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T2	□□□□□□□□□□ □□□□ □□□□□□□□□□□□ □□□□□□ □□□□□□□□ □□□□□□ □□□□ □□□□□□ □□□□□□ □□□, □□□□□□ □□□□□□ □□□□□□ □□□□□□ □□□□□□□□ □□□, □□□□□□:17,□□□□ □□□□□□□□ - □□,2016:□□□□□ □□□□□□□□ - □□□□□□,2017: □□□□□□
T3	□□□□□□ □□□□□□ □□□□□□□□□□□□ -1□□□□□□ □□□□ □□□□□□□□□□□□ □□□, □□□□□□ □□□□□□ □□□□□□ □□□□□□, □□□□□□:17, □□□□ □□□□□□□□ -□□□□□□□□,2011: □□□□□□ □□□□□□□□ - □□□□□□,2017: □□□□□□
T4	Dr.K.M.Chandra Mohan. Hindi Vatayan. Viswavidhalaya Prakasan Chowk, Varanasi-221001:Print. 67 &68

Web Resources

W1	http://hindi.swiftutors.com/hindi-self-introduction.html
W2	http://www.linguanaut.com/english_hindi.htm#ixzz6JaMa5AJR

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Topics beyond Syllabus							
1	NA						
2	NA						
3	NA						

PORTION FOR EXAMINATION

S. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage (to be decided by the Department)
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1	SLIP / CLASS TEST	UNIT - I	15%
2	I INTERNAL	UNIT - I, II, V	50%
3	II INTERNAL	UNIT - III, IV, V	50%
4	Summative Examination	ALL 5 UNITS	100%

ASSESSMENT METHODOLOGY – DIRECT

	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Internal Examination	Yes	Yes	Yes	Yes	Yes
Assignment	Yes	Yes	Yes	Yes	Yes
Quiz Test / Class Test	Yes	Yes	Yes	Yes	Yes
Project	No	No	No	No	No
Summative Examination	No	No	No	No	No

Assessment Indirect

	Yes/No	Yes/No	Yes/No
Assessment of Course Outcome by Student	Yes		
Feedback			
Feedback from Alumni	No		
Feedback from Educational Experts	Yes		
Feedback from Parents	No		

Prepared by							
Designation			Name	Signature			Date
Course Coordinator / In-charges			Mrs.S. Neela				
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)							

Approved by							
	Name	Signature	Seal	Date			
Head	Mrs.S.Neela						
Dean Academics	Dr.S.Priya						
Principal	Dr.R.Sujatha						

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : B.Sc (Animation, Viscom, CS, Networking, FIS, FS&PM)

Title of the Course : General English III **Course Code: 19UGE302**

Year / Semester: II YEAR / III SEMESTER **Section:** **Total No. of Students:**

No.Of Credits: 3 **Total no. of Contact hours: 45**

Course Teacher (s) Name : Mrs.R.Suganthi Hepzibha, Ms.T.S.Sridevi, Mr.C.Senthilkumar and Mr.V.V.Sundaram

Course Teacher (s) Name

S. No	Topic	Reference / text Book Page No.	Teaching Aids	Mode of Delivery No. of Hours		
				L	T	P
Unit I						
1	SWOC - Introduction	R1-1 / R 06, 03	BB	3		
2	Strength, Weaknesses	R1-3 / R 06, 03	BB/PPT/V	3		

3	Opportunities, Threats	R1-6 / R 06, 03	BB	3		
Unit II						
1	Of Ambition	R1-12	BB/V	3		
2	Of Studies	R1-20	BB/V	3		
3	Of Truth	R1-25	BB/V	3		
Unit III						
1	Word Formation (Compound Words and Affixes)	R1-31	PPT	2	1	
2	Direct and Indirect Speech	R1-33	PPT	2	1	
3	Question Tags	R1-35	PPT	2	1	
Unit IV						
1	Synonyms and Antonyms (25 + 25)	R1-36 / R 04	BB	2	1	
2	Idioms and Phrases (50)	R1-42 / R 04	BB	2	1	
3	One Word Substitution (50)	R1-46 / R 04	BB	2	1	
Unit V						
1	Correct usage of Nouns and Pronouns	R1	BB/PPT	2	1	
2	Correct usage of Adjectives	R1	BB/PPT	2	1	
3	Spotting the errors (Nouns, Pronouns and Adjectives)	R1	BB/PPT	2	1	

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(Ws) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]						
Text Books						
T1	General English-III, A Complied book, covering all the topics of the syllabus prepared by the Department of English.					
Reference Books						
R1	Bacon Francis. Complete Essays. Dover Publications: Dover Ed edition, 2008. Print.					
R2	Srivasan Hema. Communication Skills. Bangalore: Frank Brothers & Co. Ltd, 2004. Print.					
R3	Wren & Martin. High School English Grammar & Composition. India: S.Chand & Company Ltd, 1995. Print.					
R4	G.Radhakrishna Pillai. Emerald English Grammar and Composition. Bangalore: Emerald Publisher, 1998. Print.					
R5	Dr.K.Alex. Soft Skills. New Delhi: S.Chand& Company Ltd, 1997. Print.					
R6	Dr. Gupta C.B. Business Correspondence & Reporting -Business Law, Business Correspondence & Reporting (CA-Foundation). New Delhi: Taxmann, 2018. Print.					
R7	A.P.Bhardwaj. General English for Competitive Examinations. New Delhi: Dorling Kindersley (India) Pvt. Ltd, 2013. Print.					
E – Books /Library INFLIBNET RESOURCES						
E1	https://nlist.inflibnet.ac.in/search/Record/EBC483375					
E2	https://nlist.inflibnet.ac.in/search/Record/EBC481114					
E3	https://nlist.inflibnet.ac.in/search/Record/EBC1864716					
Gaps in the Syllabus						

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) /

				Hours beyond the Time Table (HB)
1	Self Introduction	Assignment		3
2	Extempore	Seminar	3	
3	On Any Modules	Peer teaching	2	
4	NA	Industrial Visit	NA	NA

Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

Sl.NO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted
1	1	Lecture1	Lecture 1	Newspaper/Article reading		
2	2	Lecture2	Lecture 2	Collecting & Reporting News		
3	3	Lecture3	Lecture 3	Learning a New Word Everyday		
4	4	Lecture 4	Lecture 4	Public Speaking		

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage (to be decided by the Department)
1	SLIP / CLASS TEST	UNIT - I	15%
2	I INTERNAL	UNIT - I, II, V	50%
3	II INTERNAL	UNIT - III, IV, V	50%
4	Summative Examination	ALL 5 UNITS	100%

Prepared by

Designation	Name	Signature
Course Coordinator / In-charges	Mr.C.Senthilkumar	
Module Coordinator	Mrs.R.Suganthi Hepzibha	

Approved by

	Name	Signature	Date
HoD	Mrs.R.Suganthi Hepzibha		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSEPLAN- 2020 - 21 (ODD SEMESTER)

Sl. No.	TOPIC	Reference / Text BookPage No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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Name of
the
Progra
mme :
Networ
king
Name of

the Programme : B.Sc Networking

Programme Code : NW1009

Title of the Course: Network Security

Course Code: 19BN303

Year / Semester : II / III Section: A

Total No. of Students: 16

No of Credits :5

Total No. of Contact Hours : 75

Course Teacher (s) Name:Dr.P.JoeArun Raj

Corresponding lab Paper: NO

				L	T	P	
UNIT - I							
1.	Introduction-The OSI Security Architecture-Security Attacks	38-43	PPT, PDF	1	0	0	1
2.	Security Services-Security Mechanism, A model for Network Security	43-51	PPT, PDF	1	0	0	2
3.	Classical Encryption techniques: Symmetric cipher model	57-62	PPT, PDF	1	0	0	3
4.	Substitution techniques	62-77	PPT, google jamboard	1	0	0	4
5.	Transposition techniques, Steganography	77-79 81-82	PPT, google jamboard	2	0	0	6
UNIT II							
6.	Block Cipher Principles	92-101	PPT, PDF,W	2	0	0	8
7.	DES	101-109	PPT, PDF,W	2	0	0	10
8.	Strength of DES	112-113	PPT, PDF,W	2	0	0	12
9.	Differential and Linear Crypt Analysis	113-116	PPT, PDF,W	2	0	0	14
10.	Block Cipher Design Principles	116-120	PPT, PDF	2	0	0	16
UNIT III							
11.	Evolution Criteria for AES	174	PPT, PDF,	2	0	0	18
12.	Introduction AES Cipher	174-179	PPT, PDF	2	0	0	20

13.	Multiple Encryption and Triple DES	217-222	PPT, PDF, Video	2	0	0	22
14.	Introduction to number theory: Prime numbers	267-269	PPT, PDF	2	0	0	24
15.	Fermat's and Euler's theorem	272-275	PPT, PDF	2	0	0	26
16.	Principles of Public Key Cryptosystems	293-301	PPT, PDF	2	0	0	28
17.	The RSA Algorithm	301-315	PPT, PDF	2	0	0	30
UNIT –IV							
18.	Key Management	325	PPT, PDF,GS	2	0	0	32
19.	Diffie Hellman Key Exchange	325-329	PPT, PDF,GS	2	0	0	34
20.	Authentication Requirements	387-388	PPT, PDF	2	0	0	36
21.	Authentication functions	389-396	PPT, PDF	2	0	0	38
22.	Message Authentication Codes	396-398	PPT, PDF	2	0	0	40
23.	Hash functions	351-352	PPT, PDF, video	3	0	0	43
24.	Digital Signature	420-424	PPT, PDF	2	0	0	45
25.	Authentication Protocols	389	PPT, PDF	3	0	0	48
26.	Digital Signature Standard	427-430	PPT, PDF	3	0	0	51

UNIT – V

27.	Electronic Mail Security	639	PPT, PDF	3	0	0	54
28.	Pretty Good Privacy	592-611	PPT, PDF	3	0	0	57
29.	System Security	20.1	PPT, PDF	2	0	0	69
30.	Intruders	20.1	PPT, PDF	2	0	0	61
31.	Intrusion	20.2	PPT, PDF	2	0	0	63
32.	Intrusion Detection	20.2	PPT, PDF	2	0	0	65
33.	Password Management	20.3	PPT, PDF	2	0	0	67
34.	Firewall Design Principles	22.1	PPT, PDF	4	0	0	71
35.	Trusted Systems	22.2	PPT, PDF	4	0	0	75
TOTAL							75

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* LCD/PPT/Black Board (BB)/Worksheet(WS)/Video (V) / Group Discussion (GD)/Blended &Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive(GRV) ,Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED	No of Hours Allotted	Hours with in the Time Table (HT) /
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		ACTION		Hours beyond the Time Table (HB)
1.	Steganography	Seminar	1	HB
2.	DES	Seminar	1	HB
3.	Hash functions	Peer Teaching	1	HB
4.	Intrusion Detection	Peer Teaching	1	HB

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

SLNO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

Text Book

T1	“Cryptography and Network Security”, William Stallings Fifth Edition, Pearson Education, 2011.
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Reference Book

R1	“Fundamentals of Network Security”, By Eric Maiwal, McGraw Hill Publisher, 4th Edition.
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Web Resources

W1	https://youtu.be/jECQbZSI6sY
W2	https://www.youtube.com/watch?v=JoiLuFNbc4
W3	https://lecturenotes.in/subject/112/cryptography-and-network-security-cns

W4	https://www.javatpoint.com/computer-network-security
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E – Books /Library INFLIBNET RESOURCES

E1	Stallings, Cryptography and Network Security: Principles and Practice Pearson
E2	https://oiipdf.com/cryptography-and-network-security-5th-edition

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1	SLIP / CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	20%
2	I INTERNAL	UNIT – 1 to 2.5	50%
3	II INTERNAL	UNIT – 2.5 to 5	50%
4	End Semester Examination	ALL FIVE UNITS	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Ms.T.ShunmugaPriya		
Module Coordinator (One person who would coordinate all Courses in a Programme according to DBE)	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date

HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : Networking

Title of the Course : Customer Relationship Management

Course Code : 19BN304

Year / Semester : 2020 / III

Section:

Total No. of Students : 29

No of Credits : 4

Total No. of Contact Hours : 60Course

Teacher (s) Name : M.Athigopal

Corresponding lab Paper : No

Sl. No.	TOPIC	Reference / Text BookPage No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT - I							
52.	Introduction – CRM a Gist – Architecture of CRM – Features of a Good CRM programme	T1 3-5	PPT, Video	3			3
53.	Implementing CRM Initiatives – Role of CRM in improving Customer Relationships – Integrated CRM System – Advantages of CRM in a Nutshell – Steps of Successful	T1 5-8	PPT, Video	6			6
54.	Components of CRM :Definition of CRM – Components of CRM – Need for CRM	T1 9-12	PPT, Video	3			3
UNIT - II							
55.	CRM System : Selection and implementation – CRM System : Selection and implementation	T1 14-17	PPT, Video	3			3
56.	CRM: An Orientation to Knowledge Management – Customer Relationship	T1	PPT, Video	4			4

	Management (CRM) – Knowledge Management – CRM-Oriented KM	19-23					
57.	Knowledge requirement of CRM – Towards Customer Knowledge Management – CRM – Customer knowledge and Knowledge Goals.	T1 25-27	PPT, Video	5			5
UNIT - III							
58.	Components of CRM success : People - Executive sponsor - Steering Committee Implementation Team - Departmental Champions - CRM Administration Team	T2 16-26	PPT, Video	4			4
59.	Process - CRM Maintenance Process - CRM Enhancement Process – Technology	T2 26-34	PPT, Video	3			3
60.	- CRM Application Infrastructure Overview - Source Control - Common CRM Application Functionality	T2 34-44	PPT, Video	3			3
61.	Social Media and CRM Applications - Expectations - Pitfalls.	T2 45-51	PPT, Video	2			2
UNIT - IV							
62.	Types of e-CRM: Introduction – The Emergence of CRM – Implementing CRM – Architecture of CRM – Operational CRM – Analytical CRM – Collaborative CRM	T1 129-133	PPT, Video	5			5
63.	Purpose of CRM – Improving Customer Relationships – Technical Functionality – Maximizing the values of e-CRM – Privacy and Ethical Concerns	T1 133-136	PPT, Video	4			4
64.	CRM in Business – CRM for Non-profit Organisations – “Big Guys” in the CRM	T1	PPT, Video	3			3

	Industry.	136-138					
UNIT - V							
65.	e-CRM Update: Introduction – Objectives of CRM – CRM Process – CRM Channels of Customer interaction – CRM areas – Components of CRM	T1 165-168	PPT, Video	4			4
66.	Meaning of e-CRM – Basic requirements of e-CRM – e-CRM Architecture – Electronic CRM applications	T1 169-171	PPT, Video	4			4
67.	The e-CRM market in India. e-CRM A tool for retaining the Customer – Key factors in implementing a CRM strategy – CRM software – e-CRM.	T1 171 -175	PPT, Video	4			4
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Text Books

T1	<i>“Customer Relationship Management”</i> , by S. Shanmugasundaram, Prentice Hall of India , New Delhi, 2008.
T2	<i>“CRM Fundamentals”</i> , by Scott Kosto John, Mathew Johnson, Brian Paulen, APress, New York, 2011.

Reference Book

R1	The CRM Handbook : A Business Guide to Customer Relationship Management, by Jill Dyche ,Addison-Wesley Professional, 2002.
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Web Resources

W1	https://classroom.google.com/c/MTM0ODMwODI3NzE3/m/MTY0NzI1NzgxNDgz/details
W2	https://classroom.google.com/u/2/w/MTM0ODMwODI3NzE3/tc/MTk3OTU2MzAxNDE4
W3	https://classroom.google.com/u/2/w/MTM0ODMwODI3NzE3/tc/MTYzNzUwOTM0MTAx
W4	https://classroom.google.com/c/MTM0ODMwODI3NzE3/m/MTU4ODIwODA3NTQw/details

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
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1.	Big Data	Seminar	1	HB
2.	Block Chain Technology	Seminar	1	HB
3.	Internet of Things	Seminar	1	HB
4.	Cyber Security	Peer Teaching	1	HB
5.	Artificial Intelligence & Machine Learning	Peer Teaching	1	HB

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST		20%
2.	I INTERNAL		50%
3.	II INTERNAL		80%
4.	End Semester Examination		100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mr.M.Athigopal		
Programme Coordinator	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : B.Sc Networking

Programme Code : NW1009

Title of the Course : Linux Lab

Course Code : 19BN305

Year / Semester : II / III

Section: Total No. of Students : 25

No of Credits : 4

Total No. of Contact Hours : 4 Course Teacher (s)

Name : Mr.M.Athigopal

Corresponding lab Paper : Yes / No

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I							
68.	Installing Redhat Linux Os using bootable usb and Kick start methods	NA	PPT,PDF, Word	0	0	5	5
69.	Linux Booting Process	NA	PPT,PDF, Word	0	0	5	5
70.	GUI Configuration: Changing display resolution, Changing and Managing User's and Groups	NA	PPT,PDF, Word	0	0	5	5
71.	Working with Files and Directories: Directory Command, File Command, Path.	NA	PPT,PDF, Word	0	0	5	5
72.	File listing and Find commands.	NA	PPT,PDF, Word	0	0	5	5
73.	File Permission, File Sharing, Compression, Soft link and hard link	NA	PPT,PDF, Word	0	0	5	5
74.	Vi editors, Shell Scripts	NA	PPT,PDF, Word	0	0	5	5
75.	FTP Services, Mounting File System.	NA	PPT,PDF, Word	0	0	5	5
76.	Software Package Management (Yum).	NA	PPT,PDF, Word	0	0	5	5

77.	Partition, Swap Partition, LVM Partition.	NA	PPT,PDF, Word	0	0	5	5
78.	LDAP.	NA	PPT,PDF, Word	0	0	5	5
79.	Server Configuration (Samba Server ,Web & NFS Server)		PPT,PDF, Word	0	0	5	5
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended &Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
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Reference Books

R1	NA
R2	NA

Web Resources

W1	https://www.slideshare.net/RohitKumar158/basic-command-ppt
W2	https://www.slideshare.net/kalyanineve/linux-command-ppt
W3	https://www.guru99.com/must-know-linux-commands.html
W4	https://www.guru99.com/the-vi-editor.html

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Overview of Linux	Lecture	1	HT
2.	Basic of Linux Commands	Demo	2	HT
3.	Linux Commands with exercise	Demo	2	HT
4.	File Permissions, Vi editor, Shell scripts	Demo	3	HT
5.	LDAP, Server Configuration	Demo	2	HT

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery		Planned Topics	Total No of Hours Allotted

			Teaching Aids		
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 2 Programs	20%
2.	I INTERNAL	3 - 6 Programs	50%
3.	II INTERNAL	7 - 12 Programs	50%
4.	End Semester Examination	12 Programs	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator	Mr.M.Athigopal		
Programme Coordinator	Mr.V.Deepan Chakkaravarthy		

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Approved by

	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : B.Sc Networking

Programme Code : NW1009

Title of the Course : Java Network Programming Lab

Course Code : 19BN306

Year / Semester : II / III

Section:

Total No. of Students : 25

No of Credits : 5

Total No. of Contact Hours : 4 Course Teacher (s) Name :

Mrs.K.P.Maheswari

Corresponding lab Paper : Yes / No

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I							
80.	Basic commands and statement of Java programming	NA	PPT, JDK, NP	0	0	5	5
81.	Understanding and using of commands like ifconfig, netstat	NA	PPT, JDK, NP	0	0	5	10
82.	Telnet, FTP, ARP	NA	PPT, JDK, NP	0	0	5	15
83.	Finger, Trace route, Who is	NA	PPT, JDK, NP	0	0	5	20
84.	Looking up internet address	NA	PPT, JDK, NP	0	0	5	25
85.	Pinging an IP Address	NA	PPT, JDK, NP	0	0	5	30
86.	Implementation of ping using sub-process	NA	PPT, JDK, NP	0	0	6	36
87.	Implementation of peer to peer communication using UDP	NA	PPT, JDK, NP	0	0	6	42
88.	Implementation of socket program for UDP Echo Client and Echo Server	NA	PPT, JDK, NP	0	0	6	48
89.	Implementation of Client Server Communication Using TCP	NA	PPT, JDK, NP	0	0	6	54
90.	Implementation of Client server Application for chat	NA	PPT, JDK, NP	0	0	6	60
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
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Reference Books

R1	NA
R2	NA

Web Resources

W1	https://www.tutorialspoint.com/java/index.htm
W2	https://www.w3schools.com/java/default.asp
W3	https://beginnersbook.com/java-tutorial-for-beginners-with-examples/
W4	https://www.javatpoint.com/java-tutorial

E – Books /Library INFLIBNET RESOURCES

E1	
E2	

E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
3.	Basics of Java	Lecture	1	HB
4.	Online Java Compilers	Demo	2	HB
3.	JDK and Java Environment	Demo	2	HB
4.	Getting User Input	Demo	1	HB
5.	Basic Java Programs	Demo	4	HB

* *Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

SL.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

Approved by

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Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 3 Programs	20%
2.	I INTERNAL	4 - 7 Programs	50%
3.	II INTERNAL	8 - 11 Programs	50%
4.	End Semester Examination	11 Programs	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mrs.K.P.Maheswari		
Programme Coordinator	Mr.M.Athigopal		

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	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

COURSE PLAN – 2020 2021 (ODD SEMESTER)

Name of the Programme : B.Sc Networking

Programme Code : NW1009

Title of the Course : Numerical Skills

Year / Semester : II / III

No of Credits : 2

Course Code : 19NS311

Total No. of Students : 25

Total No. of Contact Hours : 2

Course Teacher Name : Mrs. Harini				Corresponding Lab Paper : Yes / No			
Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT - I							
1	Numbers	T-3	BB/ WB/ OER	1	1	0	2
2	LCM & HCF	T-51	BB/ WB/ OER	1	1	0	4
3	Simplification	T-95	BB/ WB/ OER	1	0	0	5
4	Averages	T-206	BB/ WB/ OER	1	0	0	6
UNIT - II							
5	Problems on Ages	T-264	BB/ WB/ OER	1	1	0	2
6	Time and Work	T-526	BB/ WB/ OER	1	1	0	4
7	Surd and indices	T-278	BB/ WB/ OER	1	1	0	6
UNIT - III							
8	Pipes & Cisterns	T-510	BB/ WB/ OER	1	1	0	2
9	Time & Distance	T-562	BB/ WB/ OER	1	1	0	4
10	Problems on trains.	T-612	BB/ WB/ OER	1	1	0	6
UNIT - IV							
11	Calendar	T-819	BB/ WB/ OER	1	1	0	2
12	Clocks	T-823	BB/ WB/ OER	1	1	0	4
13	Permutation and combination.	T-841	BB/ WB/ OER	2	2	0	8
UNIT - V							
14	Area	T-688	BB/ WB/ OER	2	1	0	3
15	Volume and Surface Area	T-766	BB/ WB/ OER	2	1	0	6
Total							30

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Text Book							
T	R S Agarwal Revised edition (21 February 2017), 'Quantitative Aptitude' S.Chand Publishers.						

Reference Books							
R1	Abhijit Guha (7th Ed, 2020), Quantitative Aptitude - Mc Graw Hills Publishers						
R2	Khattar Dinesh (2013, 3rd Edition), Quantitative Aptitude for Competitive Examinations, The Pearson Guide						

Web Resources

W1	https://www.indiabix.com/
W2	https://www.faceprep.in/quantitative-aptitude/

E – Books /Library INFLIBNET RESOURCES

E	https://www.careerbless.com/aptitude/qa/home.php
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COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

<u>Sl.No</u>	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted		

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1	I INTERNAL	Unit - I, II, III (50%)	50%
2	II INTERNAL	Unit – III (50%) , IV, V	50%
3	End Semester Examination	Unit I to V	100%

Prepared by

Designation	Name	Signature	Date
Course Coordinator / In-charge	Mrs. Harini		
Programme Coordinator			

Approved by

Designation	Name	Signature	Date
HoD	Mr. R. Sivasubramanian		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme :

F&IS,CS

Title of the Course :

ADVANCED TAMIL

Course

Code: 19UAT310

Year / Semester:

2020-2021/1 Section:

Total No. of Students:

Total no. of Contact

No.Of Credits:

3

hours: 30

S. No	Topic	Referenc e / text Book Page No.	Teaching Aids	Mode of Delivery No. of Hours			Cummulative Hours
				L	T	P	
Unit I							
1	□□□□□□□□□□ - □□□□□□□□□□□□>□□□□□□□□□□□□□□ □□□□□□□□ - □□□□□□□□□□□□□□.	R1-1-4/ R1,2-154 / 74	BB	2	2		6
Unit II							
2	□□□□□ - □□□□□□□□□□□□□□, □□□□□□.	R1- 6,7/R3- 13/48		1	1		2

Internal Examination	Yes	Yes	Yes	Yes	Yes
Assignment	Yes	Yes	Yes	Yes	Yes
Slip Test / Class Test	Yes	Yes	Yes	Yes	Yes
Project	No	No	No	No	No
Summative Examination	No	No	No	No	No

Assessment Indirect

	Yes/No	Yes/No	Yes/No
Assessment of Course Outcome by Student Feedback	Yes		

Feedback from Alumni	Yes		
Feedback from Educational Experts	Yes		
Feedback from Parents	Yes		

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mrs.H.Geetha		
Module Coordinator (One person who would coordinate all Courses in a	Mrs.N.Selvi		

Program me accordin g to OBE)			
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Approved by				
	Name	Signatur e	Seal	Date
HoD	Mrs.N.Selvi			
Dean Academi cs	Dr.S.Priya			
Principa l	Dr.R.Sujatha			

92.	Installation and Configuration of Drivers Printer, Scanner, Bio Matric Device	NA	PPT, NP, PDF	0	0	3	3
93.	Assembling and De-Assembling of PC	NA	PPT, NP, PDF	0	0	3	3
94.	CMOS setup configurations	NA	PPT, NP, PDF	0	0	3	3
95.	Installing and Configuring Network Interface Card	NA	PPT, NP, PDF	0	0	3	3
96.	Cable Crimping (straight-cable , cross-cable)	NA	PPT, NP, PDF	0	0	3	3
97.	Setting up an IP Address (Class-full , Classless)	NA	PPT, NP, PDF	0	0	3	3
98.	Setting a Local Area Network and Internet Connection Sharing	NA	PPT, NP, PDF	0	0	2	2
99.	Printer Sharing and file Sharing	NA	PPT, NP, PDF	0	0	2	2
100	Fault finding and troubleshooting in LAN a. Network Troubleshooting Utilities b. Hardware Troubleshooting Tools c. Common Connectivity Issues	NA	PPT, NP, PDF	0	0	2	2
101	Website Security Configuration	NA	PPT, NP, PDF	0	0	2	2
102	Server /Client Antivirus Configuration	NA	PPT, NP, PDF	0	0	2	2
103	Outlook Express Configuration	NA	PPT, NP, PDF	0	0	2	2
TOTAL							33

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
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Reference Books

R1	NA
R2	NA

Web Resources

W1	
W2	
W3	
W4	

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
5.				
6.				

3.				
4.				
5.				

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 3 practical exercise	20%
2.	I INTERNAL	4 - 5 practical exercise	40%
3.	II INTERNAL	6 - 9 practical exercise	80%
4.	End Semester Examination	10 - 13 practical exercise	100%

Designation	Prepared by
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	Name	Signature	Date
Course Coordinator / In-charge	Mr.V.Deepan chakkaravarthy		
Programme Coordinator	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme: Networking

Title of the Course : Advanced Server Administration

Course Code : 18BN501

Year / Semester : III / V

Section: A

Total No. of Students : 29

No of Credits : 4

Total No. of Contact Hours : 60 Course Teacher (s)

Name : Dr.P.Joe Arun Raja

Corresponding lab Paper : YES

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT - I							

104.	Configuring DNS-Introducing DNS- Introducing DNS Database Zones	T1[477-485]	PPT, PDF, Word	2	0	0	2
105.	Advantages of DNS in Windows Server 2016	T1[489-495]	PPT, PDF, Word	1	0	0	3
106.	Introducing DNS Record Types	T1[498-507]	PPT, PDF, Word	1	0	0	4
107.	Configuring DNS-Monitoring and Troubleshooting DNS	T1[510-523]	PPT, PDF, Word	1	0	0	5
108.	Configuring DHCP-Understanding DHCP	T1[526-556]	PPT, PDF, Word	1	0	0	6
109.	Installing and Authorizing DHCP	T1[558-567]	PPT, PDF, Word	2	0	0	8
110.	Creating and Managing DHCP Scopes	T1[579-583]	PPT, PDF, Word	2	0	0	10
111.	Working with Advanced DHCP Configuration	T1[585-602]	PPT, PDF, Word	2	0	0	12
UNIT - II							
112.	Installing Active Directory-Verifying the File System	T1[901-903]	PPT, PDF, Word	2	0	0	14
113.	Verifying Network Connectivity-Understanding Domain and Forest Functionality	T1[905-909]	PPT, PDF, Word	2	0	0	16

114.	-Planning the Domain Structure-Installing Active Directory	T1[914-918]	PPT, PDF, Word	2	0	0	18
115.	verifying Active Directory Installation-Creating and Configuring Application Data Partitions	T1[920-931]	PPT, PDF, Word	3	0	0	21
116.	Configuring DNS Integration with Active Directory	T1[932-940]	PPT, PDF, Word	3	0	0	24
UNIT - III							
117.	Administer Active Directory	T1[944-950]	PPT, PDF, Word	1	0	0	25
118.	Active Directory Overview-An Overview of OUs	T1[950-955]	PPT, PDF, Word	1	0	0	26
119.	Planning the OU Structure	T1[956-961]	PPT, PDF, Word	1	0	0	27
120.	Creating OUs-Managing OUs	T1[965-975]	PPT, PDF, Word	1	0	0	28
121.	Troubleshooting OUs	T1[976-981]	PPT, PDF, Word	1	0	0	29
122.	Creating and Managing Active Directory Objects	T1[983-988]	PPT, PDF, Word	1	0	0	30
123.	Using Group Policy for Security	T1[990-993]	PPT, PDF,	2	0	0	32

			Word				
124.	Publishing Active Directory Objects	T1[994-999]	PPT, PDF, Word	2	0	0	34
125.	Using the Command Prompt for Active Directory Configuration	T1[999-1007]	PPT, PDF, Word	2	0	0	36
UNIT - IV							
126.	Maintaining Active Directory	T1[1008-1012]	PPT, PDF, Word	1	0	0	37
127.	Overview of Network Planning-Overview of Active Directory	T1[1015-1021]	PPT, PDF, Word	1	0	0	38
128.	Replication and Sites-Implementing Sites and Subnets	T1[1025-1035]	PPT, PDF, Word	2	0	0	40
129.	Configuring Replication-Monitoring and Troubleshooting Active Directory Replication	T1[1045-1053]	PPT, PDF, Word	2	0	0	42
130.	Reasons for Creating Multiple Domains-Creating Domain Trees and Forests	T1[1058-1064]	PPT, PDF, Word	2	0	0	44
131.	Demoting a Domain Controller	T1[1068-1073]	PPT, PDF, Word	2	0	0	46
132.	Managing Multiple Domains-Maintain Active Directory	T1[1079-1089]	PPT, PDF, Word	2	0	0	48
UNIT – V							

133.	Implementing GPOs-Introducing Group Policy	T1[1091-1097]	PPT, PDF, Word	2	0	0	50
134.	Planning a Group Policy Strategy-	T1[1098-1110]	PPT, PDF, Word	2	0	0	52
135.	Implementing Group Policy	T1[1117-1127]	PPT, PDF, Word	2	0	0	54
136.	Managing Group Policy-Deploying Software Through a GPO	T1[1135-1139]	PPT, PDF, Word	2	0	0	56
137.	Implementing Software Deployment	T1[1145-1150]	PPT, PDF, Word	2	0	0	58
138.	Configuring Software Deployment Settings	T1[1153-1164]	PPT, PDF, Word	1	0	0	59
139.	Troubleshooting Group Policies	T1[1167-1172]	PPT, PDF, Word	1	0	0	60
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended &Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Working with Advanced DHCP Configuration	Seminar	1	HB
2.	Troubleshooting Active Directory	Seminar	1	HB
3.	Implementing Group Policy	Peer Teaching	1	HB

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

SL.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

Text Books

T1	“MCSA Windows Server 2016 Complete Study Guide”, 2nd Edition, William Panek, Sybex publications,2018.
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Reference Book

R1	“Windows 2008 server complete Reference”Danielle Ruest,TMH Publications,New Delhi,2008
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Web Resources

W1	https://docs.microsoft.com/en-us/learn/certifications/courses/20414
W2	https://assets.ubuntu.com/v1/bb64a38e-Training_Advanced-server-administration_02.17.pdf
W3	https://www.servicenow.com/services/training-and-certification/advanced-system.html
W4	https://www.okta.com/materials/advanced-server-access/

E – Books /Library INFLIBNET RESOURCES

E1	https://onlinelibrary.wiley.com/doi/book/10.1002/9781119549260
E2	http://pdfpremiumfree.com/download/mcstp-guide-to-microsoft-windows-server-2008-server-administration-pdf-download-pdf/

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1	SLIP / CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	20%
2	I INTERNAL	UNIT – 1 to 2.5	50%
3	II INTERNAL	UNIT – 2.5 to 5	50%
4	End Semester Examination	ALL FIVE UNITS	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Dr.P.Joe Arun Raja		
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		

Principal	Dr.R.Sujatha		
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SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme : Networking

Title of the Course : Cloud Computing

Course Code : 18BN502

Year / Semester : 2020 / V

Section:

Total No. of Students : 15

No of Credits : 5

Total No. of Contact Hours : 60Course

Teacher (s) Name : M.Athigopal

Corresponding lab Paper : No

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours

				L	T	P	
UNIT – I							
1.	What is the cloud – emergence of cloud computing – the global nature of the cloud – Cloud based service offering	T1 xxvi-xxx	PPT, Video	3			3
2.	Grid computing – is the cloud model reliable – Benefits of using cloud model – what about legal issues when using cloud model – characteristics of cloud models -Challenges for the cloud	T1 xxxi-xxxvii	PPT, Video	5			8
3.	Hardware evolution – internet software evolution – Server virtualization.	T1 2-28	PPT, Video	4			12
UNIT – II							
4.	Web Services delivered from the Cloud: Communication-as-a-Services(CaaS) - Infrastructure-as-a-Service (IaaS)	T1 29 - 44	PPT, Video	6			18
5.	Monitoring-as-a-Service (MaaS) - Platform-as-a-Service(PaaS)	T1 44 - 50	PPT, Video	3			21
6.	Software-as-a-Service(SaaS).	T1 50 - 55	PPT, Video	3			24
UNIT – III							
7.	Building Cloud Networks: The Evolution from the MSP model to Cloud computing and Software-as-a-Service	T1 57 - 62	PPT, Video	4			28
8.	The cloud Data Center – Collaboration	T1	PPT,	4			32

		62- 70	Video				
9.	Service-Oriented Architecture as a step toward cloud computing – basic approach of a Data Center based SOA	T1 70 - 75	PPT, Video	4			36
10.	The role of open source software in Data Centers Where open source software is used.	T1 75 - 101	PPT, Video	4			40
UNIT – IV							
11.	Security in the Cloud :Cloud Security Challenges – Software-as-a-Service Security – Security Management – Security Governance – Risk Management – Risk Assessment – Security Portfolio Management – Security Awareness – Education and Training – Policies – Standards and guidelines – Secure Software Development life Cycle (Sec SDLC)-Security Monitoring and incident response – Third-party Risk Management-Request for information and sales support – BCP – Forensics – SAD – Vulnerability Assessment – Password Assurance Testing – Logging for compliance and security Investigations – Security Images – Data Privacy – Data Governance – Data Security – Application Security	T1 153 - 176	PPT, Video	7			47
12.	VMS - IAM – Change Management – Physical Security – BC/DR-BCP	T1 177 - 178	PPT, Video	4			51
13.	Is Security-as-a-Service the new MSSP	T1 180-181	PPT, Video	1			52
UNIT - V							
14.	Open Source Cloud Implementation and Administration : Open – Source	T2	PPT,	4			56

	Eucalyptus Cloud Architecture- Open Source Open Stack Cloud Architecture	114-140	Video				
15.	Cloud Administration Management – Bundling and Uploading Virtual Machine Images on Cloud Controller	T2 141-146	PPT, Video	4			60
16.	Recent Trends in Cloud Computing and Standards: - Cloud Compliance – Cloud Standards – Professional Certifications - Cloud Ratings.	T2 161-169	PPT, Video	4			64
TOTAL							64

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Text Books

T1	<i>“Cloud Computing (Implementation, Management and Security)”</i> , John W. Rittinghouse, James F. Ransome, CRC Press, Florida, 2014
T2	<i>“Cloud Computing Black Book”</i> Kailash Jayaswal, Jagannath Kallakuruchi, Donald J. Houde, Dr. Deven Shah, dreamtech press 2018

Reference Book

R1	<i>“Cloud Computing”</i> , by Anthony T. Velte , Toby J Velte, Robert Elsenpeter, Publisher: TMH Publications, New Delhi, 2013.
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Web Resources

W1	https://classroom.google.com/c/MTEzMzE0ODUxNzA4/m/MTU4ODQyMzA4OTM0/details
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W2	https://classroom.google.com/c/MTEzMzE0ODUxNzA4/m/MTQ0NzQ0MDMzNTk1/details
W3	https://classroom.google.com/c/MTEzMzE0ODUxNzA4/m/MTY0MzA5NjYzNjk2/details
W4	https://classroom.google.com/c/MTEzMzE0ODUxNzA4/m/MjE0NDQ4NDgyNDU2/details

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Big Data	Seminar	1	HB
2.	Block Chain Technology	Seminar	1	HB
3.	Internet of Things	Seminar	1	HB
4.	Cyber Security	Peer Teaching	1	HB
5.	Artificial Intelligence & Machine Learning	Peer Teaching	1	HB

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

SLNO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

I. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST		20%
2.	I INTERNAL		50%
3.	II INTERNAL		80%
4.	End Semester Examination		100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator /In Charge	Mr.M.Athigopal		
Programme Coordinator	Mr.M.Athigopal		

Approved by

	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMILAKSHMIPATHYCOLLEGE OF SCIENCE(Autonomous)

COURSE PLAN-2020-21(ODD SEMESTER)

Name of the Programme: B.Sc., NETWORKING

Title of the Course	:	ADVANCED NETWORKING	Course Code	:	18BN503
Year/Semester	:	III/V	Total No. of Students	:	29
No. of Credits	:	4	Total No. of Contact Hours	:	41
Course Teacher(s) Name	:	Dr.R.Parthiban	Corresponding Lab Course	:	No

Sl.No.	TOPIC	Text Book (T1)	*Te a e	Mode of Delivery No. of Hours	Cumulative
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				L	T	P	Hours
UNIT-I:T1-Chapter1							
1.	Introduction–DataCenterVisionandRoadmap	C- 1:1- 14	PPT	2	0	0	2
2.	StrategicDesign–SustainableDesign		PPT	1	0	0	1
3.	BestPracticesandEmergingTechnologies–OperationsManagement		PPT	1	0	0	1
4.	DisasterManagement		PPT	1	0	0	1
5.	BusinessContinuityandDisasterRecovery.		PPT	2	0	0	2
UNIT-II:T1Chapter9							

6.	Introduction– OverviewofRackand CabinetDesign	C- 9:161- 182	PPT	1	0	0	1
7.	SpaceandPowerDesignCriteria		PPT	1	0	0	1
8.	Pathways –Coordinationwithothersystems		PPT	2	0	0	2
9.	ComputerRoomDesign–ModularDesign		PPT	1	0	0	1
10.	CFDModeling		PPT	1	0	0	1
11.	DataCenterSpacePlanning.		PPT	2	0	0	2
UNIT–III:T1-Chapter20							
12.	Introduction	C- 20:389- 400	PPT	1	0	0	1
13.	VirtualizationinDataCenters		PPT	2	0	0	2
14.	CloudasanExtensionoftheData Center		PPT	1	0	0	1
15.	NetworkinginDataCenter		PPT	1	0	0	1
16.	SDN		PPT	1	0	0	1
17.	SDDC		PPT	1	0	0	1
18.	RoadmapofCloud		PPT	2	0	0	2
19.	EnabledDataCenter	PPT	1	0	0	1	
UNIT–IV:T1-Chapter33							
20.	WhatisDataCenter InfrastructureManagement	C33:6 01-618	PPT	1	0	0	1
21.	TriggersofDCIMAcquisitionandDeployment		PPT	2	0	0	2
22.	WhatarethemodulesofaDCIMSolution		PPT	2	0	0	2
23.	The DCIMSystemItself-Whattoexpectandplan		PPT	1	0	0	1
24.	CriticalSuccessfactorwhenimplementingaDCIMSystem-Futuretrendsin DCIM.		PPT	2	0	0	2

UNIT-V:T1-Chapter35

25.	Introduction	C35:6 39-657	PPT	1	0	0	1
26.	TheEvolutionoftheDataCenterand DataCenterRisk		PPT	2	0	0	2
27.	PhysicalDataCenterDesignandRedundancy		PPT	1	0	0	1
28.	TiersandN+what?		PPT	2	0	0	2
29.	Virtualizationbringsout-of-thebox DRSurvivability		PPT	1	0	0	1
30.	DRandCloud		PPT	2	0	0	2

* L- Lecture T-Tutorial(Problems/ExamplePrograms/RevisionClasses)P-Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS)/Video (V) / Group Discussion (GD) / Blended & Flipped(BF) / Openeducational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and GoogleSlides(GS)andWhiteboards(WB),Wikipedia(W)anyothertoolsmayalsoincluded.

[Marktheabbreviationintheteachingaidscolumn]

COURSEPLANFOR CONTENTBEYONDSYLLABUS----NA---

Sl.NO	Module	Lecture	PlannedTopics	Date	Time	TotalNoof HoursAllotted
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GapsintheSyllabus–TomeetIndustrialRequirements

SL. NO	NameoftheTopic	PROPOSED ACTION	NoofHours Allotted	HourswithintheTimeTable(HT)/Hoursbeyo ndtheTimeTable(HB)
1.	ThreeAssignmentsfromthesyllabus	Assignment	3	EvaluationHours-HB

Resources[CitationstylediffersforeachProgramme,Kindlyusethecitationstyle(APA,MLAetc)applicableforyourdomain.Thishasbeenadvised by theUniversity NomineesandExpertslasttime]

TextBook

T1	<i>“Data Center Handbook”</i> , by Hwaiyu Geng, John Wiley & Sons, Inc
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Reference Book

R1	<i>“Enterprise Data Center Design and Methodology”</i> , by Rob Snevely, Sun Microsystems.
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Web Resources----NA----

E-Books/Library INFLIBNET RESOURCES---NA-----

Topics beyond Syllabus----NA-----

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portion to be Covered	Proportion (Portion) in Percentage (to be decided by the Department)
	SLIP/CLASSTEST	Unit/Portion to be decided by the Course Teacher and the HoD	-NA-
1	I INTERNAL	UNIT-I, II, III (half unit)	50
2	II INTERNAL	UNIT-III (half unit), IV, V	50
3	Summative Examination	ALL FIVE UNITS	100

ASSESSMENT METHODOLOGY-DIRECT

	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Internal Examination	Yes	Yes	Yes	Yes	Yes
Assignment	Yes	Yes	Yes	Yes	Yes
Summative Examination	Yes	Yes	Yes	Yes	Yes

Designation	Prepared by		
	Name	Signature	Date

CourseCoordinator/In-charge	Dr.R.Parthiban		
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Approvedby				
	Name	Signature	Seal	Date
HoD	Mr.Athigopal			
DeanAcademics	Dr.S.Priya			
Principal	Dr.R.Sujatha			

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme: B.Sc Networking

Programme Code : NW1009

Title of the Course : Network Process

Course Code : 18BN504

Year / Semester : III / V

Section: Total No. of Students : 29

No of Credits : 4

Total No. of Contact Hours : 60 Course Teacher (s) Name:

V.Deepan Chakkaravarthy

Corresponding lab Paper : Yes

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulat ive Hours
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				L	T	P	
UNIT – I							
140	Cisco IOS software: Introduction to Cisco Device Configuration	Text book 302	PPT	2	0	0	2
141	Command line Interface- IOS Basics	Text book 308	PPT	2	0	0	2
142	Initial Switch Configuration: 2960 Overview	Text book 358	PPT	2	0	0	2
143	Switch startup, Basic Switch Configuration.	Text book 361	PPT	2	0	0	2
144	VLAN and Trunks: VLAN Overview, VLAN Connections, VLAN Trunk Protocol	Text book 388	PPT	2	0	0	2
145	VLAN Configuration	Text book 412	PPT	2	0	0	2
146	Switches and Redundancy: Layer 2 Redundancy	Text book 434	PPT	2	0	0	2
147	Spanning Tree Protocol- Rapid Spanning Tree Protocol	Text book 438	PPT	2	0	0	2
UNIT – II							
148	Routers and LANs: Routing Introduction - Dynamic routing protocols	Text book 479	PPT	2	0	0	2
149	Distance vector protocols problems and solutions	Text book 490	PPT	2	0	0	2
150	Initial Router Configuration: Router hardware components	Text book 512	PPT	2	0	0	2
151	Router Boot up process - Auto secure, Router configuration	Text book 514	PPT	2	0	0	2

152	IOS Device Management: Router Configuration Files.	Text book 554	PPT	2	0	0	2
153	SDM: Introduction to SDM- Basic Router configuration using SDM	Text book 600	PPT	2	0	0	2
154	Basic Router Monitoring using SDM.	Text book 620	PPT	2	0	0	2
UNIT – III							
155	Routing: Static Routes	Text book 632	PPT	1	0	0	1
156	Dynamic routing protocol basics -RIP	Text book 642	PPT	1	0	0	1
157	OSPF Routing: OSPF Overview - OSPF Operation - OSPF Configuration	Text book 670	PPT	2	0	0	2
158	OSPF Troubleshooting.	Text book 688	PPT	2	0	0	2
159	EIGRP Routing: EIGRP Overview - EIGRP Operation - EIGRP Configuration	Text book 710	PPT	2	0	0	2
160	EIGRP Troubleshooting	Text book 723	PPT	2	0	0	2
UNIT – IV							
161	Advanced Cisco router Features: ACL- ACL Overview - Basic ACL Configuration and ACL Types.	Text book 740	PPT	3	0	0	3
162	Address Translation: Address translation overview	Text book 784	PPT	1	0	0	1
163	Address Translation Types- Address Translation Configuration	Text book 795	PPT	2	0	0	2
164	Translation Process and Troubleshooting	Text book 803	PPT	2	0	0	2

165	IPV6: Necessity of IPv6, IPv6 Addressing	Text book 820	PPT	2	0	0	2
166	Address Assignment, Routing and IPv6, IPv6 Configuration.	Text book 829	PPT	2	0	0	2
UNIT – V							
167	Firewall Basics-The Cisco IOS Firewall	Text book 2 205	PPT	2	0	0	2
168	Configure Cisco IOS Firewall with SDM	Text book 2 211	PPT	2	0	0	2
169	Verifying Cisco IOS Firewall configurations	Text book 2 226	PPT	2	0	0	2
170	Implementing Zone-Based Firewall	Text book 2 235	PPT	2	0	0	2
Total							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

COURSE PLAN FOR CONTENT BEYOND SYLLABUS

SI.NO	Module	Lecture	Planned Topics	Date	Time	Total No of Hours Allotted
1	1	Lecture 1				
2		Lecture 2				

3	2	Lecture 1				
4		Lecture 2				

Gaps in the Syllabus –To meet Industrial Requirements

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.		Assignment		
		Seminar		
		Peer teaching		
		Industrial Visit		

Resources [Citation style differs for each Programme, Kindly use the citation style (APA, MLA etc) applicable for your domain. This has been advised by the University Nominees and Experts last time]

Text Books

T1	Mike Meyers, “ <i>CompTIA A+ Certification Guide</i> ”, TMH Publications, New Delhi, 8 th Edition, 2010.
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Reference Books

R1	Stephen J.Bigelow, “ <i>Trouble Shooting, maintaining and Repairing PCs</i> ”, Tata McGraw-Hill, New Delhi, 2001.
----	---

R2	Craig Zacker& John Rourke, <i>“The complete Reference:PC hardware”</i> ,Tata McGraw-Hill, New Delhi, 2001.
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Web Resources

W1	
W2	
W3	
W4	

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Topics beyond Syllabus

Module 1	
M2	
M3	

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage(to be decided by the Department)
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1	SLIP / CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	20%
2	I INTERNAL	UNIT - I,II	40%
3	II INTERNAL	UNIT - III,IV,V	60%
4	Summative Examination	ALL FIVE UNITS	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mr.V.Deepan Chakkaravarthy		
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)	Mr.M.Athigopal		

Approved By			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		

Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme: B.Sc Networking

Programme Code: NW1009

Title of the Course : Windows Server Administration Lab

Course Code : 18BN505

Year / Semester : III / V

Section: Total No. of Students : 29

No of Credits : 3

Total No. of Contact Hours : 70 Course Teacher (s) Name:

Dr.P.Joe Arun Raja

Corresponding lab Paper : Yes / No

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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				L	T	P	
UNIT – I							
171	.Configuring shared and ntfs settings	NA	PPT,PDF, Word	0	0	6	6
172	.Installing Active directory	NA	PPT,PDF, Word	0	0	6	12
173	.Installing WSUS server	NA	PPT,PDF, Word	0	0	6	18
174	.Configuring a GPO for WSUS	NA	PPT,PDF, Word	0	0	6	24
175	Enabling DHCP- DNS integration	NA	PPT,PDF, Word	0	0	6	30
176	.Power shell utility	NA	PPT,PDF, Word	0	0	6	36
177	.Installing ADDS on sever core using PowerShell	NA	PPT,PDF, Word	0	0	6	42
178	.Creating and modifying OU structure	NA	PPT,PDF, Word	0	0	6	48
179	.Creating active directory objects and user template	NA	PPT,PDF, Word	0	0	6	54
180	Applying security policy using group policy	NA	PPT,PDF, Word	0	0	6	60
181	Managing universal group membership caching	NA	PPT,PDF, Word	0	0	6	64
182	Creating group policy object using GPMC	NA	PPT,PDF, Word	0	0	6	70
TOTAL							70

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended &Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
----	----

Reference Books

R1	NA
R2	NA

Web Resources

W1	https://ittutorials.net/microsoft/windows-server-2016/
W2	https://windowstechpro.com/category/server-2016/
W3	https://www.businessnewsdaily.com/11019-set-up-configure-dns-on-windows-server-2016.html

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED	No of Hours Allotted	Hours with in the Time Table (HT) /
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		ACTION		Hours beyond the Time Table (HB)
1.				
2.				
3.				
4.				
5.				

* *Proposed Actions can be Assignments, Seminars, Peer Teaching, and Industrial Visit, Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 2 Programs	20%
2.	I INTERNAL	3 - 8 Programs	50%

3.	II INTERNAL	9 – 12 Programs	30%
4.	End Semester Examination	10 Programs	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Dr.P.Joe Arun Raja		
Programme Coordinator	Mr.V.Deepan Chakkaravarthy		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (ODD SEMESTER)

Name of the Programme: B.Sc Networking

Programme Code : NW1009

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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Title of the Course : Network Processing Lab

Course Code : 18BN506

Year / Semester : III / V

Section: Total No. of Students : 29

No of Credits : 3

Total No. of Contact Hours : 75

Course Teacher (s) Name: Mr.V.Deepan chakkaravarthy Corresponding lab Paper: Yes

				L	T	P	
UNIT – I							
183	Router IOS Basics a) Router Basic Commands b) Assign the IP address on the Ethernet Interfaces of Router c) Assign the IP address on the Serial Interfaces of Router	NA	PPT, NP	0	0	6	6
184	Accessing Router through a Telnet	NA	PPT, NP	0	0	6	6
185	Static Routes	NA	PPT, NP	0	0	6	6
186	Dynamic Routes a) RIP Configuration b) IGRP Configuration c) EIGRP Configuration d) OSPF Configuration in a Single Area	NA	PPT, NP	0	0	10	10
187	Network Address Translation. a) Static NAT b) Dynamic NAT c) Overload NAT	NA	PPT, NP	0	0	10	10
188	HDLC	NA	PPT, NP	0	0	5	5
189	PPP	NA	PPT, NP	0	0	5	5
190	Frame Relay	NA	PPT, NP	0	0	5	5
191	POP & CHAP	NA	PPT, NP	0	0	5	5
192	Access Control List a) Standard ACL. b) Extended ACL	NA	PPT, NP	0	0	6	6
193	SNMP V2, SNMP V3	NA	PPT, NP	0	0	6	6

194	SYSLOG	NA	PPT, NP	0	0	5	5
TOTAL							75

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
----	----

Reference Books

R1	NA
R2	NA

Web Resources

W1	
W2	
W3	
W4	

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1				
2				

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 2 practical exercise	20%
2.	I INTERNAL	3 - 6 practical exercise	50%
3.	II INTERNAL	7 - 10 practical exercise	80%
4.	End Semester Examination	11-12 practical exercise	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mr.V.Deepan chakkaravarthy		
Programme Coordinator	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

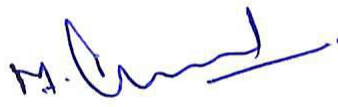
DEPARTMENT OF NETWORKING

Lesson Plan Preamble

Academic Year: 2020-2021(Even Semester)

SNo	SEMESTER	COURSE CODE	COURSE NAME	NAME OF FACULTY
1	II	20UT201	General Tamil-II	Mrs.N.Selvi
2		20UH201	Hindi-II	Mrs.S.Neela
3		20UGE202	General English -II	Mrs.R.SuganthiHepzhibha
4		20BN203	Computer Networks	Dr.R.Parthiban
5		20BN204	Fundamentals of Virtualization	Mr.V.Deepan Chakkaravarthy
6		20BN205	C Programming Lab	Dr.P.Joe Arun Raja
7		20OR206	Operation Research	Mr.R.Sivasubramanian
8		20BN207	Networking Lab	Mr.V.Deepan Chakkaravarthy
9		20ES210	Environmental Studies	Dr.P.Joe Arun Raja
1	IV	19BT401	General Tamil-IV	N.Selvi
2		19UH401	Hindi--IV	Mrs.S.Neela
3		19UGE402	General English-IV	Mr.C.Senthil Kuma
4		19BN403	Network Administration	Dr.P.Joe Arun Raja
5		19BN404	Database Management Systems	Mr.M.Athigopal
6		19BN405	Network Security Lab	Dr.P.Joe Arun Raja
7		19BN406	Database Administration Lab	Mr.M.Athigopal

8	IV	19WR409	Reasoning Skills	Mr.S.Suriya Prakash
9		19UBT410	Basic Tamil-IV	Ms.R.SaiLakshmi
10		19UAT411	Advanced Tamil-IV	Mrs.H.Geetha
1	VI	18BN601	Internship Training	Mr.M.Athigopal
2		18BN601	Internship Training	Dr.P.Joe Arun Raja
3		18BN601	Internship Training	Mr.V.Deepan Chakkaravarthy


HOD


Dean(Academics)


Principal

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme :	ANI/VIS/CS/Net/MCHM/FSPM/B.Com B&I/HONS&ACCA/BBA		
Course Name :	General Tamil II	Course Code :	20UT201
Year / Semester	I/II	Section	
Total No. of Students		No. of Credits	3
Corresponding lab Paper	Yes / No.	Total No. of Contact Hours	3
Course Teacher Name			

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I							
1	திருஞானசம்பந்தர்- (திருஆலவாய்	CM/2	BB	2			2
2	திருநாவுக்கரசர் - (நமச்சிவாயதிருப்பதிகம்)	CM/3	BB	2			2
3	சுந்தரர்- (திருப்பூவணம்திருத்தலம்)	CM/4	BB	2			2
4	ஹெ.ஆ.கிருஷ்ணப்பிள்ளை(இரட்சணியமனோகரம்)	CM/5	BB	3			3
UNIT – II							
5	பொய்கையாழ்வார் - (முதல்திருவந்தாதி)	CM/6	BB	2			2
6	நம்மாழ்வார்- (திருவாய்மொழியில்)	CM/7	BB	2			2
7	ஆண்டாள் -(திருப்பாவை)	CM/8	BB	2			2

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
8	குணங்குடிமஸ்தான்சாகிபு (பராபரக்கண்ணி)	CM/9	BB	3			3
UNIT – III							
9	பலவீனத்தைபந்தாடுவோம் - வெ.இறையன்பு	CM/10	BB	2			2
10	தமிழ்நாட்டுகாளைவிளையாட்டும்மேல்நாட்டுகாளைப்போரும்-முனைவர்ஆ.முத்தையா-	CM/15	BB	2			2
11	இன்றியமையாஇதழியல்கலை - முனைவர்.மா.பா.குருசாமி	CM/24	BB	2			2
12	தமிழில்அறிவியல் -மணவை. முஸ்தபா -	CM/28	BB	2			2
13	கறுப்பு- முனைவர்தொ. பரமசிவன்	CM/34	BB	1			1
UNIT – IV							
14	சொல்வகைகள்	CM/39	BB	3			3
15	அணிஇலக்கணம்	CM/42	BB	3			3
16	வினாவும்- விடையும்,	CM/44	BB	3			3
UNIT – V							
17	பக்திஇலக்கியத்தின்தோற்றமும்வளர்ச்சியும்	CM/48	BB	3			3
18	உரைநடையின்தோற்றமும்வளர்ச்சியும்	CM/50	BB	3			3
19	கட்டுரைப்பயிற்சி.	-	BB	3			3
TOTAL HOURS							45

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

CourseMaterial

1. பொதுத்தமிழ்II –பாடநூல்தொகுப்புகல்லூரித் -தமிழ்த்துறைவெளியீடு

Reference Books

1. தேவாரம்.சைவசித்தாந்தநூற்பதிப்புக்கழகவெளியீடு,கும்பகோணம்: 1990. Print.
2. நாலாயிரதிவ்வியப்பிரபந்தம்.சைவசித்தாந்தநூற்பதிப்புக்கழகவெளியீடு,1992.Print.
3. சங்கஇலக்கியமும்உரைநடையும்.மதுரைகாமராசர்வெளியீடு,சென்னை: 1982.Print.
4. இதழியல்கலை.முனைவர்.மா.பா.குருசாமி.தமிழ்ப்புத்தக்காலயம்,சென்னை: 1975.Print.
5. பயன்பாட்டுத்தமிழ்இலக்கணம்.மணிவாசகர்பதிப்பகம்,மதுரை: 1995.Print.
6. தண்டியலங்காரம்.சைவசித்தாந்தநூற்பதிப்புக்கழகவெளியீடு,சென்னை: 1976.Print.
7. தமிழ்இலக்கியவரலாறு-1 .மது.ச.விமலானந்தம். முல்லைநிலையம், சென்னை: 1976.Print.

Gaps in the Syllabus

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	செய்தித்தாள்கள்வாசித்தல்		2	(HB)
2.	புத்தகம்வாசித்தல்		2	(HB)

* Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

SI.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
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1	1.1	Assignment	2	கட்டுரைஎழுதுதல்	2
1	1.1.1	Seminar	2	புத்தகம்வாசித்துவிமர்சனம்செய்தல்	2
2	2.1	Peer teaching	2	நடைமுறைநிகழ்வுகளைகலந்தாலோசித்தல்	2

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	Unit – I	20%
2.	I INTERNAL	Unit – I, II, III (up to -----)	40%
3.	II INTERNAL	Unit – III (from -----) , IV, V	40%
4.	End Semester Examination	Unit I to V	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mrs . N . SELVI		

Approved by			
	Name	Signature	Date
HoD	Mrs . N . SELVI		
Dean Academics	Dr.S.PRIYA		
Principal	Dr.R.SUJATHA		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme :	B.Sc Animation, Viscom, CS, Networking, Food Science & Processing, Fire & Industrial Safety and Marine Catering Hotel Management,B.Com B&I,Honors and ACCA		
Course Name :	Hindi II	Course Code :	20UH201
Year / Semester	I / II	Section	
Total No. of Students		No. of Credits	3

Corresponding lab Paper	No	Total No. of Contact Hours	45
Course Teacher Name	Mrs.S.Neela		

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I- गद्य(Prose)							
1	चालीस करोड़ कुरते कहाँ से.....- Chaleeskaroodkurthea khan say	CM-02	BB / PPT	2	1		3
2	दक्षिण भारत हिन्दी प्रचार सभा – DhakshinBharath Hindi pracharsabha	CM-3	BB / PPT	2	1		3
3	हिंदी दिवस – Hindi divas	CM-6	BB / PPT	2	1		3
4	ओलंपिक में भारतीय महिलाओं ने झंडे गाड दिए – OlympicMeinbharatheeyamahilaonneyjande gadhdiyea	CM-4	BB / PPT	2	1		3
UNIT – II - आधुनिककविता (Adhoonikkavitha)							
5	सीखो -Seeko	CM-7	BB / PPT	1	1		2
6	बड़ा कौन है?- badakounhai	CM-8	BB / PPT	1	1		2

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery			Cumulative Hours
				No of Hours			
7	पुष्प की अभिलाषा – pushpakeeabhilasha	CM-11	BB / PPT	1	1		2
8	एकबूँद - Eakhboondh	CM-9	BB / PPT	1	1		2
UNIT – III - सामान्य व्याकरण(Applied grammar)							
9	हिन्दी प्रचार वाहिनी I – Hindi prachaarvahinee (11 to 20)	CM-14 to 33	BB / PPT	2	1		3
10	सुबोध हिन्दी रचना 1 – Subodh Hindi rachna(5 to 11)	CM-34 to 54	BB / PPT	2	1		3
11	विलोम शब्द – opposites -Selected 25	CM-13	BB / PPT	2	1		3
UNIT – IV - राष्ट्रीय ज्ञान (National knowledge)							
12	राष्ट्रगान - जन-गण-मन -National Anthem-Jana-Gana-Mana	CM-56	BB / PPT	3	1		4
13	वन्देमातरम् – vandematharam (First two paragraphs)	CM-57 to 59	BB / PPT	2	1		3
UNIT – V – पत्रलेखन (Letter Writing)							
14	निजीपत्र - Personal Letter (Asking permission to father for tour, Letter to friend to study Hindi)	CM-60	BB / PPT	2	1		3
15	कार्यालयपत्र - Official Letter (Asking for loan,	CM-61	BB / PPT	2	1		3

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery			Cumulative Hours
				No of Hours			
	Opening a bank account)						
16	वाणिज्यपत्र - Commercial letter (Ordering books to the book company, Letter to the company regarding missing parcel)	CM-62	BB / PPT	2	1		3
TOTAL HOURS							45

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Course Material

8. **Hindi II.** A Compiled book, covering all the topics of the syllabus prepared by the Department of Hindi.

Reference Books

- 1) प्रश्नोत्तर सहित मध्यमा पाठ्य सामग्री | दक्षिण भारत हिन्दी प्रचार सभा, मद्रास : पहला संस्करण – जून, 2018 चौथा पुनर्मुद्रण – जून , 2019 :मुद्रक | Page nos.22, 24, 40 and 45, 9 and 11
- 2) प्रश्नोत्तर सहित प्राथमिक पाठ्य सामग्री | दक्षिण भारत हिन्दी प्रचार सभा, मद्रास : पहला संस्करण - सितम्बर, 2010 तेरहवाँ पुनर्मुद्रण – जून, 2016 :मुद्रक | Page nos. 57 and 73, 33 to 51,129 to 150
- 3) Dr.K.M.Chandra Mohan. Hindi Vatayan. Viswavidhalaya Prakasan Chowk, Varanasi-221001:Print.

Webliography

- 4) https://en.wikipedia.org/wiki/Jana_Gana_Man
https://en.wikipedia.org/wiki/Vande_Mataram

Gaps in the Syllabus

SL. NO	Name of the Topic	Proposed Action	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Speaking Skill – Self Introduction		2	HT
2.	Reading Skill – Reading Activity		2	HT
3.	Speaking Skill – Assignment		1	HB

* Proposed Actions can be Assignments, Seminars, Peer Teaching, and Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

SI.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted

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PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	Unit – IV	20%
2.	I INTERNAL	Unit – II, I(Chapter 1 & 2)	50%
3.	II INTERNAL	Unit – I (Chapter 3 & 4) , III,V	50%
4.	End Semester Examination	Unit I to V	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	S.Neela		

Approved by			
	Name	Signature	Date
HoD	S.Neela		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme :	B.Sc Animation, Viscom, CS, Networking, Food Science & Processing, Fire & Industrial Safety and Marine Catering Hotel Management		
Course Name :	General English II	Course Code :	20UGE202
Year / Semester	I / II	Section	
Total No. of Students		No. of Credits	3
Corresponding lab Paper	No	Total No. of Contact Hours	45
Course Teacher Name	Mrs.R.Suganthi Hepzibha		

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I - GRAMMAR							
1	Sentence Pattern: Introduction- Types of Sentence Pattern - Subject – Verb – Object – Direct Object – Indirect Object - Complement – Adjunct	CM-01	BB / PPT	2	1		3
2	Direct-Indirect Speech: Introduction - Procedure for converting Direct speech into Indirect speech - Rules for converting Direct speech into Indirect speech - Change in pronouns - Change in tenses - Change in modals - Changes for Assertive Sentences – Changes for Imperative sentences - Changes for Exclamatory sentences - Changes for Interrogative sentences - Punctuation in Direct speech - Rules for converting Indirect speech into Direct speech.	CM-10	BB / PPT	2	1		3

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery			Cumulative Hours
				No of Hours			
3	Active Voice – Passive Voice: Introduction – Usage: Active Voice. Passive voice – Reasons for using Passive voice - Changing Active voice to Passive voice - Changing Passive voice to Active voice (Changes for nine tenses) - Suggestions for using Active and passive voice.	CM-18	BB / PPT	2	1		3
UNIT – II - PROSE							
4	The Necklace – Guy De Maupassant: Introduction – Theme – Summary – Critical Appreciation.	CM-22	VIDEO	3			3
5	Little Girls Wiser than Men – Leo Tolstoy: Introduction – Theme – Summary – Critical Appreciation.	CM-34	VIDEO	3			3
6	An Astrologer’s Day – R.K.Narayan: Introduction – Theme – Summary – Critical Appreciation.	CM-37	VIDEO	3			3
UNIT – III - VOCABULARY							
7	Idioms & Phrases: Importance (Selected 50)	CM-43	BB	2	1		3
8	Synonyms & Antonyms: Importance of learning words (Selected 50)	CM-52	BB	2	1		3
9	One Word Substitution: Importance – Usage in the Sentence (Selected 50)	CM-54	BB	2	1		3
UNIT – IV - POEM							
10	The Lotus - Toru Dutt: Introduction to Sonnet – Literary Devices – Summary.	CM-57	VIDEO	3			3
11	If – Rudyard Kipling: Introduction – Literary Devices – Summary.	CM-59	VIDEO	3			3
12	The Road Not Taken – Robert Frost: Introduction – Literary Devices – Summary.	CM-64	VIDEO	3			3

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
UNIT – V – SENTENCE CORRECTION							
13	Correct Usage: Nouns – Definition – Rules.	CM-67	BB / PPT	2	1		3
14	Correct Usage: Pronoun – Definition – Rules. Correct Usage: Adjectives – Definition – Rules.	CM-69	BB / PPT	2	1		3
15	Spotting Grammatical Error: Nouns – Pronouns – Adjectives – Exercises.	CM-71	BB / PPT	2	1		3
TOTAL HOURS							45

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Course Material

9. **General English II.** A Compiled book, covering all the topics of the syllabus prepared by the Department of English.

Reference Books

1. SrivasanHema. **Communication Skills.** Bangalore: Frank Brothers & Co. Ltd, 2004. Print.
2. Wren & Martin. **High School English Grammar & Composition.** India: S.Chand& Company Ltd, 1995. Print.
3. G.RadhakrishnaPillai. **Emerald English Grammar and Composition.** Bangalore: Emerald Publisher, 1998. Print.
4. Dr.K.Alex. **Soft Skills.** New Delhi: S.Chand& Company Ltd, 1997. Print.
5. Dr. Gupta C.B. Business Correspondence & Reporting -Business Law, Business Correspondence & Reporting (CA-Foundation). New Delhi: Taxmann, 2018. Print.
6. A.P.Bhardwaj. **General English for Competitive Examinations.** New Delhi: Dorling Kindersley (India) Pvt. Ltd, 2013. Print.
7. Michael Swan. **Practical English Usage.** New Delhi: Oxford University Press,2008.Print
8. Randolph Quirck, Sidney Greenbaum, Geoffrey Leech, Jan Svartvik. **A Comprehensive Grammar of the English Language.** New Delhi: Dorling Kindersley (India) Pvt. Ltd, 2010. Print.
9. John Adair. **The Effective Communicator.** Noida: Anubha Printers. 2005. Print.

E – Books /Library INFLIBNET RESOURCES

10. <https://nlist.inflibnet.ac.in/search/Record/EBC483375>
11. <https://nlist.inflibnet.ac.in/search/Record/EBC481114>
12. <https://nlist.inflibnet.ac.in/search/Record/EBC1864716>

Gaps in the Syllabus

SL. NO	Name of the Topic	Proposed Action	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Speaking Skill – Self Introduction		3	HT

2.	Reading Skill – Reading Activity		2	HT
3.	Speaking Skill – Assignment		1	HB

* Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	1	Reading Skill	Newspaper	Newspaper Reading	1
2	2	Reading Skill	Magazine	Article / Magazine Reading	1
3	3	Speaking Skill	Oral	Debate / Group Discussion	1

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	Unit – I	20%
2.	I INTERNAL	Unit – I, II, III (Chapter 1 & 2)	50%
3.	II INTERNAL	Unit – III (Chapter 2 & 3) , IV, V	50%
4.	End Semester Examination	Unit I to V	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	R.Suganthi Hepzibha		

Approved by

	Name	Signature	Date
HoD	R.Suganthi Hepzibha		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMILAKSHMIPATHYCOLLEGE OF SCIENCE(Autonomous)

COURSE PLAN-2020-21(EVEN SEMESTER)

Name of the Programme: B.Sc., NETWORKING

Title of the Course	:	COMPUTER NETWORKS	Course Code	:	20BN203
Year/Semester	:	I/II	Total No. of Students	:	16
No. of Credits	:	5	Total No. of Contact Hours	:	42
Course Teacher(s) Name	:	Dr.R.Parthiban	Corresponding Lab Course	:	No

Sl.No.	TOPIC	Text Book (T1)Page No	*Teaching Aids	Mode of Delivery No. of Hours			Cumulative Hours
				L	T	P	
UNIT-I: T1-Chapter 2. [2.1-2.3]							
1.	Application Layer: Principles of Network Applications	83	PPT	1	0	0	1
2.	Network Application Architectures Processes Communicating- Transport Services Available to Applications	84-92	PPT	2	0	0	2
3.	Transport Services Provided by the Internet- Application- Layer Protocols	92-98	PPT	2	0	0	2
4.	Network Applications- The Web and HTTP - Overview of HTTP- Non- Persistent and Persistent Connections	98-102	PPT	2	0	0	2
5.	HTTP Message Format- User- Server Interaction: Cookies- web Caching- The Conditional GET.	103-115	PPT	2	0	0	2
UNIT-II: T1 Chapter 3 [3.1-3.4]							
6.	Transport Layer: Introduction and Transport- Layer Services	185-186	PPT	1	0	0	1

7.	RelationshipBetweenTransportandNetworkLayers-OverviewoftheTransport LayerintheInternet	186-191	PPT	2	0	0	2
8.	MultiplexingandDe-multiplexing-ConnectionlessTransport:UDP-UDP SegmentStructure-UDPChecksum	191-203	PPT	2	0	0	2
9.	PrinciplesofReliableDataTransfer-BuildingaReliableDataTransferProtocol	206-214	PPT	2	0	0	2
10.	PipelinedReliableDataTransferProtocols-Go-Back-N(GBN)- SelectiveRepeat (SR)	215-230	PPT	2	0	0	2
UNIT–III:T1-Chapter3[3.5-3.7]							
11.	Connection-OrientedTransport:TCP- TCPConnection-TCPSegmentStructure	230-237	PPT	2	0	0	2
12.	Round-TripTimeEstimationandTimeout-Reliable DataTransfer-FlowControl	238-251	PPT	2	0	0	2
13.	TCPConnectionManagement-PrinciplesofCongestionControl	252-259	PPT	1	0	0	1
14.	TheCausesandtheCostsofCongestion-Approachesto CongestionControl- Network assistedcongestioncontrol	259-268	PPT	2	0	0	2
15.	ATMABRCongestionControl-TCPCongestionControl-Fairness	269-282	PPT	1	0	0	1
UNIT–IV:T1-Chapter4[4.4–4.5]							
16.	TheInternetProtocol(IP):Forwarding andAddressingintheInternet	305-312	PPT	1	0	0	1
17.	DatagramFormat-IPv4Addressing-InternetControlMessageProtocol(ICMP)- IPv6-IPSecurity	331-362	PPT	2	0	0	2
18.	RoutingAlgorithms-TheLink-State(LS)RoutingAlgorithm	363-370	PPT	2	0	0	2
19.	TheDistance-Vector(DV)RoutingAlgorithm	371-378	PPT	1	0	0	1
20.	HierarchicalRouting	379-382	PPT	2	0	0	2
UNIT–V:T1-Chapter5[5.1–5.2,5.4]							
21.	Introduction totheLinkLayer-TheServicesProvidedbytheLinkLayer	433-437	PPT	1	0	0	1
22.	Error-Detectionand-CorrectionTechniques-ParityChecks-Check summing Methods	438-442	PPT	2	0	0	2
23.	CyclicRedundancyCheck(CRC)-SwitchedLocalAreaNetworks	443-461	PPT	2	0	0	2

24.	Link-LayerAddressingandARP-Ethernet-Link-LayerSwitches	462-481	PPT	2	0	0	2
25.	VirtualLocalAreaNetworks(VLANs)	482-486	PPT	1	0	0	1

* L- Lecture T-Tutorial(Problems/ExamplePrograms/RevisionClasses)P-Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS)/Video (V) / Group Discussion (GD) / Blended & Flipped(BF) / Openeducational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and GoogleSlides(GS)andWhiteboards(WB),Wikipedia(W)anyothertoolsmayalsoincluded.

[Marktheabbreviationintheteachingaidscolumn]

COURSEPLANFOR CONTENTBEYONDSYLLABUS----NA---

SI.NO	Module	Lecture	PlannedTopics	Date	Time	TotalNoof HoursAllotted
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GapsintheSyllabus–TomeetIndustrialRequirements

SL. NO	NameoftheTopic	PROPOSED ACTION	NoofHours Allotted	HourswithintheTimeTable(HT)/Hoursbeyo ndtheTimeTable(HB)
1.	ThreeAssignmentsfromthesyllabus	Assignment	3	EvaluationHours-HB

Resources[CitationstylediffersforeachProgramme,Kindlyusethecitationstyle(APA,MLAetc)applicableforyourdomain.Thishasbeenadvised by theUniversity NomineesandExpertslasttime]

TextBooks

T1	1.Kurose,J.F.,&Ross,K.W.(2013). <i>Computernetworking:Atop-downapproach</i> .Addison-WesleyLongman.
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WebResources----NA----

E–Books/LibraryINFLIBNETRESOURCES---NA-----

TopicsbeyondSyllabus----NA-----

PORTIONFOREXAMINATION

Sl. No.	Mode	ProposedPortionstobeCovered	Proportion(Portion)inPercentage (to bedecidedbytheDepartment)
	SLIP/CLASSTEST	Unit/Portionto bedecided bytheCourseTeacherandthe HoD	-NA-
1	IINTERNAL	UNIT-I,II,III(halfunit)	50
2	IIINTERNAL	UNIT-III(halfunit),IV,V	50
3	Summative Examination	ALLFIVEUNITS	100

Designation	Preparedby		
	Name	Signature	Date
CourseCoordinator/In-charge	Dr.R.Parthiban		

Approved BY			
	Name	Signature	Date
HoD	Mr.Athigopal		
DeanAcademics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

Sl. No.	TOPIC	Reference / Text BookPage No	*Teaching Aids	Mode of Delivery No of Hours	Cumulat ive Hours
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SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSEPLAN- 2020 – 21 (EVEN SEMESTER)

Name of the Programme :Networking

Title of the Course:Fundamentals of Virtualization

Course Code :20BN204 Year /

Semester : I / II Section:

Total No. of Students : 16

No of Credits : 5

Total No. of Contact

Hours : 4Course Teacher (s) Name:Mr.V.Deepan Chakkaravarthy

Corresponding lab Paper :No

				L	T	P	
UNIT – I							
195	Understanding Virtualization- Describing virtualization	1-9	PPT, Video	3			3
196	Understanding the importance of Virtualization understanding virtualization software operation-Understanding Hypervisor	9-21	PPT, Video	5			5
197	Describing a hypervisor- understanding the role of a hypervisor - Comparing today's hypervisor	21-35	PPT, Video	4			12
UNIT –II							
198	Understanding virtual machines- describing a virtual machine- Understanding how a virtual machine works	37-47	PPT, Video	6			18
199	Working with virtual machines-creating a virtual machine-performing P2V conversions	47-58	PPT, Video	3			21
200	Loading your environment-building new virtual machine	58-79	PPT, Video	3			24
UNIT –III							

201	Managing CPUs for a virtual machine- understanding CPU virtualization- configuring VM CPU options	133-138	PPT, Video	4			28
202	Tuning practices for VM CPUs-Managing memory for a virtual machine- understanding Memory virtualization	138-146	PPT, Video	4			32
203	configuring VM memory options- Tuning practices for VM Memory	146-155	PPT, Video	3			35
UNIT – IV							
204	Managing storage for a virtual machine-understanding storage virtualization	157-162	PPT, Video	7			42
205	Configuring VM storage options- Tuning practices for VM Storage- Managing Networking for a virtual machine	162-177	PPT, Video	4			46
206	Understanding Network virtualization- configuring VM Network options- Tuning practices for VM Storage	177-195	PPT, Video	2			48
UNIT - V							
207	Understanding Availability- Increasing availability - protecting a virtual machine	239-246	PPT, Video	4			52
208	Protecting multiple virtual machines- protecting data centers-	247-260	PPT, Video	4			56

	Understanding applications in a virtual machine- examining virtual infrastructure performance capabilities						
209	Deploying applications in virtual environment- understanding virtual appliances and vApps- open stack containers.	261-273	PPT, Video	4			60
TOTAL							60

* L- Lecture T- Tutorial (Problems / Example Programs /Revision Classes) P- Practical

* LCD/PPT/Black Board (BB)/Worksheet(Ws)/Video (V) / Group Discussion (GD)/Blended & Flipped (BF)

/Open educational resources (OER) media that are freely accessible, Google tools like Drive(GRV) ,Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Text Books

T1	Portnoy, M. (2016). <i>Virtualization essentials</i> . John Wiley & Sons
----	--

Reference Book

R1	Victor Moreno and Kumar Reddy, Network Virtualization.Cisco Systems; 1st edition (July 10, 2006)
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Web Resources

W1	https://www.geeksforgeeks.org/virtualization-cloud-computing-types/#:~:text=Virtualization%20is%20a%20technique%20of,developed%20during%20the%20mainframe%20era.
W2	https://www.mygreatlearning.com/blog/virtualization-in-cloud-computing/
W3	https://www.fierceelectronics.com/electronics/fundamentals-what-virtualization#:~:text=Simply%20put%2C%20it's%20the%20process,and%20Linux%2C%20from%20one%20device.

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Cloud Computing	Seminar	1	HB
2.	Hyper visor	Seminar	1	HB
3.	Server Virtualization	Seminar	1	HB
4.	Application Virtualization	Peer Teaching	1	HB
5.	SharePoint	Peer Teaching	1	HB

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FO EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	I UNIT	20%
2.	I INTERNAL	1-2.5 UNIT	50%
3.	II INTERNAL	2.5-5UNIT	50%

Prepared by

	Name	Signature	Date
Course Coordinator	Mr.V.Deepan Chakkaravarthy		
Programme Coordinator	Mr.M.Athigopal		

Approved by

	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme : B.Sc Networking

Programme Code : NW1009

**Title of the Course : C Programming Lab
20BN205**

Course Code :

**Year / Semester : I / II
: 16**

Section: Total No. of Students

No of Credits : 4

Total No. of Contact Hours :

4Course Teacher (s) Name : Dr.P.Joe Arun Raj

Corresponding lab Paper : Yes / No

				L	T	P	
UNIT – I							
210	Programs for displaying values	NA	PPT,PDF, Word	0	0	4	4
211	Programs for solving expressions	NA	PPT,PDF, Word	0	0	4	8
212	Programs using simple if statement	NA	PPT,PDF, Word	0	0	4	12
213	Programs using if ... else statement	NA	PPT,PDF, Word	0	0	4	16
214	Programs using nested if statement	NA	PPT,PDF, Word	0	0	4	20
215	Programs using else if statement	NA	PPT,PDF, Word	0	0	4	24
216	Programs using switch case	NA	PPT,PDF, Word	0	0	4	28
217	Programs using while statement	NA	PPT,PDF, Word	0	0	4	32
218	Programs using do... while statement	NA	PPT,PDF, Word	0	0	4	36
219	Programs using for statement	NA	PPT,PDF, Word	0	0	4	40
220	Programs using single dimensional array and two – dimensional array	NA	PPT,PDF, Word	0	0	4	44
221	Programs using functions	NA	PPT,PDF, Word	0	0	4	48
222	Programs using structures and unions	NA	PPT,PDF, Word	0	0	4	52
223	Programs using string	NA	PPT,PDF, Word	0	0	4	56
224	Programs using files	NA	PPT,PDF, Word	0	0	4	60

TOTAL	60
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* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
----	----

Reference Books

R1	NA
R2	NA

Web Resources

W1	
W2	

W3	
W4	

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Stack & Queue	Lecture	1	HT
2.	Linked List	Demo	2	HT
3.	File management in C	Demo	2	HT
4.	Structure vs Union	Demo	3	HT
5.	Dynamic Memory allocation	Demo	2	HT

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 4 Programs	20%
2.	I INTERNAL	5 - 10 Programs	50%
3.	II INTERNAL	11 – 15 Programs	50%
4.	End Semester Examination	15 Programs	100%

Designation	Prepared by		
	Name	Signature	Date
Programme Coordinator	Mr.V.Deepan Chakkaravarthy		

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Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020– 2021 (EVEN SEMESTER)

Name of the Programme : BScNetworking
 Programme Code :BN1009
 Title of the Course : Operations Research
 Year / Semester : I/II

Course Code :20OR206
 Total No. of

No of Credits : 5

Course Teacher Name : Mr. R. SIVA SUBRAMANIAN

Students :

Total No. of Contact Hours : 75

Corresponding Lab Paper : Yes / No

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery			Cumulative Hours
				L	T	P	
UNIT - I							
1	Operations Research Introduction	T-1.1	BB/ WB/ OER	1	0	0	1
2	Meaning, Scope	T-1.3	BB/ WB/ OER	1	0	0	2
3	Linear Programming, Formulating a linear programming model	T-2.1	BB/ WB/ OER	3	1	0	6
4	graphical solutions	T-2.15	BB/ WB/ OER	2	1	0	9
5	standard form	T-3.1	BB/ WB/ OER	1	1	0	11
6	simplex method	T-3.9	BB/ WB/ OER	3	1	0	15
UNIT - II							
7	Introduction, Finding basic feasible solution for balanced Transportation model in Minimization case	T- 7.1	BB/ WB/ OER	2	1	0	3
8	North West Rule	T- 7.4	BB/ WB/ OER	1	1	0	5
9	Least Cost Method	T- 7.4	BB/ WB/ OER	1	1	0	7
10	Vogel's Approximation Method	T- 7.5	BB/ WB/ OER	2	1	0	10
11	Finding Optimal basic feasible solution for balanced Transportation model in Minimization case	T- 7.18	BB/ WB/ OER	1	0	0	11
12	North West Rule	T- 7.19	BB/ WB/ OER	1	0	0	12
13	Least Cost Method	T- 7.20	BB/ WB/ OER	1	0	0	13
14	Vogel's Approximation Method	T- 7.21	BB/ WB/ OER	1	1	0	15
UNIT - III							

15	Assignment Problems -Introduction	T-8.1	BB/ WB/ OER	1	0	0	1
16	Assignment Problem - Minimization case in balanced assignment model	T-8.5	BB/ WB/ OER	3	2	0	6
17	Minimization case in unbalanced assignment model	T-8.15	BB/ WB/ OER	2	1	0	9
18	Maximization case in assignment Problems	T-8.22	BB/ WB/ OER	2	1	0	12
19	Travelling salesman problem	T-8.33	BB/ WB/ OER	2	1	0	15
UNIT - IV							
20	Network Analysis-Introduction	T-15.1	BB/ WB/ OER	1	0	0	1
21	Some basic Concepts of network - Network construction	T-15.2	BB/ WB/ OER	1	0	0	2
22	Simple network problems - Critical path analysis network (CPM) - Critical path for forward and backward calculation	T-15.4	BB/ WB/ OER	3	2	0	5
23	Float definition - Types of float - Simple problems to find float	T-15.17	BB/ WB/ OER	2	1	0	8
24	Introduction on PERT	T-15.28	BB/ WB/ OER	2	1	0	11
25	Statistical consideration in PERT – Simple problems.	T-15.29	BB/ WB/ OER	2	2	0	15
UNIT - V							
26	Game theory-Theory of Games	T-16.1	BB/ WB/ OER	1	0	0	1
27	Characteristics – Pure Strategies – Saddle Point – Value of the game	T-16.3	BB/ WB/ OER	2	1	0	4
28	Mixed Strategies – Rules of Dominance	T-16.20	BB/ WB/ OER	2	1	0	7
29	Two Persons Game	T-16.7	BB/ WB/ OER	2	1	0	10
30	3 x 3 persons game	T-16.14	BB/ WB/ OER	1	1	0	12
31	Graphical Solutions of 2 x M and N x 2 game	T-16.21	BB/ WB/ OER	2	1	0	15
Total							75

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Text Book

T	Sundaresan V (2013) Resource Management Techniques. A.R.Publications
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Reference Books

R1	HamdyA.T (2011), Operations Research, Pearson publications
R2	Kanti S(2010), Operation Research, Sultan Chand and sons

Web Resources

W	https://mathworld.wolfram.com/
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E – Books /Library INFLIBNET RESOURCES

E	https://www.mbamcq.com/operations-research/
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COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

<u>Sl.NO</u>	Module	Mode of Delivery	Teaching Aids	Plan ned Topics	Total No of Hours Allotted

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1	I INTERNAL	Unit - I, II, III (50%)	50%
2	II INTERNAL	Unit – III (50%) , IV, V	50%
3	End Semester Examination	Unit I to V	100%

Prepared by

Designation	Name	Signature	Date
Course Coordinator / In-charge	Mr. R. SIVA SUBRAMANIAN		
Programme Coordinator			

Approved by

Designation	Name	Signature	Date
HoD	Mr. R. Sivasubramanian		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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Name of the Programme: B.Sc Networking

Programme Code: NW1009

Title of the Course : Networking Lab

Course Code : 20BN207

Year / Semester : I / II

Section: Total No. of Students

: 16

No of Credits : 4

Total No. of Contact Hours :

4Course Teacher (s) Name: Mr.V.Deepan Chakkaravarthy

Corresponding lab Paper : Yes / No

				L	T	P	
UNIT – I							
225	.Working in CLI Access Modes. User EXEC Mode, Privilege EXEC Mode, Configuration Mode, ROMMON Mode.	NA	PPT,PDF, Word	0	0	6	6
226	.Working on Router configuration. Accessing Configuration Mode, Device Identification, Sub configuration mode, Line Configuration, Interface configuration	NA	PPT,PDF, Word	0	0	6	12
227	.TELNET Configuration	NA	PPT,PDF, Word	0	0	6	18
228	.Configuring a Basic Switch in LAN. Setting up an IP Address and Default Gateway, Static Mac Address	NA	PPT,PDF, Word	0	0	6	24
229	Setting Port Security Features in LAN. Port Security Configuration, Port Security Verification	NA	PPT,PDF, Word	0	0	6	30
230	.Configuring VLAN and creating VLAN, assigning VLAN Membership	NA	PPT,PDF, Word	0	0	6	36
231	.Configuration of VLAN trunking and Inter VLAN Routing	NA	PPT,PDF, Word	0	0	6	42
232	.Setting up Network Management	NA	PPT,PDF, Word	0	0	6	48

233	.Configuring Network Time Protocol	NA	PPT,PDF, Word	0	0	6	54
234	Ether Channel configuration	NA	PPT,PDF, Word	0	0	6	60
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended &Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
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Reference Books

R1	NA
R2	NA

Web Resources

W1	https://www.geeksforgeeks.org/computer-network-tutorials/
W2	https://ccnatutorials.in/internetworking/networking-basics-in-ccna/
W3	
W4	

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.				
2.				
3.				
4.				
5.				

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 2 Programs	20%
2.	I INTERNAL	3 - 7 Programs	50%
3.	II INTERNAL	8 – 10 Programs	30%
4.	End Semester Examination	10 Programs	100%

Prepared by

	Name	Signature	Date
Course Coordinator	Mr.V.Deepan Chakkaravarthy		
Programme Coordinator	Mr.M.Athigopal		

Approved by

	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE**COURSE PLAN – 2020 – 21 (ODD/EVEN SEMESTER)**

Name of the Programme :	B.Sc., Networking	Programme Code :	NW1009
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Course Name :	Environmental Studies	Course Code :	20ES210
Year / Semester	I /II	Section	A
Total No. of Students	16	No. of Credits	2
Corresponding lab Paper	No.	Total No. of Contact Hours	30
Course Teacher Name	Dr.P.Joe Arun Raja		

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I							
235.	Introduction to environmental studies Multidisciplinary nature of environmental studies	T1-3	PPT	2			2
236.	Scope and importance; Concept of sustainability and sustainable development	T1-3-5	PPT	1			3
UNIT – II							
237	Ecosystems –Self Study (Assessment in terms of Assignment only)-What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession	T1-54-56	V	1			4
238	Case studies of the following ecosystems: a) Forest ecosystem	T1-65-75	V	1			5

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
	b) Grassland ecosystem c) Desert ecosystem d) Aquatic ecosystems (ponds/ streams/ lakes/ rivers/ oceans/estuaries)						
UNIT – III							
239.	Natural Resources : Renewable and Non-renewable Resources -Land resources and land use change; Land degradation, soil erosion and desertification	T1-20-22	PPT	2			7
240.	Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations	T1-23	PPT	1			8
241.	Water : Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).	T1-26	PPT	1			9
242.	Energy resources : Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs.	T1-35	PPT	1			10
UNIT – IV							
243	Biodiversity and Conservation Self Study (Assessment in terms of Assignment only)-Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots	T1-82-83	BB	1			11

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
244	India as a mega-biodiversity nation; Endangered and endemic species of India -Threats to biodiversity : Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity	T1-89	BB	1			12
245	Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.	T1-84-88	BB	1			13
UNIT – V							
246	Environmental Pollution	T1-112	V	1			14
247	Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution	T1-113-140	V	2			16
248	Nuclear hazards and human health risks	T1-143	V	1			17
249	Solid waste management : Control measures of urban and industrial waste. • Pollution case studies.	T1-145	V	1			18
UNIT – VI							
250	Environmental Policies & Practices-Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture	T1-182-186	BB	2			20

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
251	Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).	T1-193-199	BB	2			22
252	Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context.	T1-23	BB	2			24
UNIT – VI							
253	Human Communities and the Environment • Human population growth: Impacts on environment, human health and welfare. • Resettlement and rehabilitation of project affected persons; case studies. • Disastermanagement : floods, earthquake, cyclones and landslides.	T1-214,156,172	BB	2			26
254	Environmental movements : Chipko, Silent valley, Bishnois of Rajasthan	W2	PPT	1			27
255	Environmental ethics: Role of Indian and other religions	T1-237	BB	1			28

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
	and cultures in environmental conservation.						
256	Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).	T1-122-123	BB	2			30
TOTAL HOURS							30

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Text Book

13. Bharucha, E. (2004). *Environmental Studies For Undergraduate Courses of all Branches of Higher Education*. New Delhi: University Grants Commission.

Reference Books

14. Agarwal KC, 2001. *Environmental Biology*, Nidi Publishers Ltd. Bikaner.

Web Resources

- 1.<https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf>
- 2.<https://www.clearias.com/environmental-movements-in-india/>

E – Books /Library INFLIBNET RESOURCES

1. <https://www.ugc.ac.in/oldpdf/modelcurriculum/env.pdf>

Gaps in the Syllabus

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Forest products	Assignment	2hrs	HB

* Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	1	Lecture	PPT	Rainwater Harvesting	2

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	Unit-1	20%
2.	I INTERNAL	Unit - I,II,III,IV(Topic 1-2)	50%
3.	II INTERNAL	Unit – IV(Topic3),V,VI,VII	50%

4.	End Semester Examination	All Seven Units	100%
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Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	Mr.V.Deepan Chakkaravarthy		
Programme Coordinator	Mr.V.Deepan Chakkaravarthy		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Mrs.S.Priya		
Principal	Mrs.P.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme :	ANI/VIS/CS/NET/MCHM/FSPM		
Course Name :	General Tamil IV	Course Code :	19BT401
BT	II / II	Section	
Total No. of Students		No. of Credits	3
Corresponding lab Paper	Yes / No.	Total No. of Contact Hours	45
Course Teacher Name			

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I							
1	நற்றிணை-விளையாடு ஆயமொடு	1	BB	2			2
2	குறுந்தொகை- நிலத்தினும் பெரிதே,அகவன் மகளே	3	BB	2			2
3	புறநானூறு- உண்டால் அம்ம,உற்றுழிஉதவியும்	4	BB	2			2
	சிறுபாணாற்றுப்படை -திறவாக் கண்ண	7	BB	3			3

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
UNIT – II							
	திருக்குறள்-அன்புடைமை (பத்து குறட்பாக்கள்)	CM/10	BB	2			3
	நாலடியார் -கல்வி – முதல் ஐந்து பாடல்கள்	CM/13	BB	2			3
	மூதுரை-முதல் ஐந்து பாடல்கள் மட்டும்	CM/15	BB	2			3
UNIT – III							
	புதின இலக்கியம் -சப்பரம்	CM/16	BB	2			9
UNIT – IV							
	வழுஉச் சொற்களை நீக்குதல்	CM/65	BB	3			3
	பிறமொழிச் சொற்களை நீக்குதல்	CM/67	BB	3			3
	சொற்பிரிப்புப் பிழைகளை நீக்குதல்	CM/69	BB	3			3
UNIT – V							
	சங்க இலக்கியம் ஓர் அறிமுகம்	CM/72	BB	3			3
	புதினங்களின் தோற்றமும் வளர்ச்சியும்	CM/75	BB	3			3
	கடித வகைகள் எழுதுதல்	-	BB	3			3
TOTAL HOURS							45

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

CourseMaterial

2. பொதுத்தமிழ்-IV-பாடநூல் தொகுப்பு கல்லூரித் -தமிழ்த்துறை வெளியீடு

Reference Books

1. சங்க இலக்கியம்,எட்டுத்தொகை,நியூசெஞ்சரி புக் ஹவுஸ்,சென்னை. டிசம்பர் 2010
2. பதினெண் கீழ்க்கணக்கு நூல்கள்,சாரதா பதிப்பகம்,கௌரா ஏஜன்சீஸ்,சென்னை. டிசம்பர் 2012
3. சப்பரம்,சுப்பாரதிமணியன்,நியூ செஞ்சரி புக் ஹவுஸ்,சென்னை. ஜூலை 2015
4. தமிழ் நடைக் கையேடு,தமிழ்ப் பல்கலைக்கழகம்,தஞ்சாவூர்-அடையாளம் பதிப்பகம்,புத்தானத்தம்.டிசம்பர் 2015
5. தமிழ்இலக்கியவரலாறு,மு.வரதராசன்,சாகித்தியஅகாதெமி,சென்னை.டிசம்பர் 2015 தண்டியலங்காரம்.சைவ சித்தாந்த நூற் பதிப்புக் கழக வெளியீடு,சென்னை: 1976.Print.
6. தமிழ் இலக்கிய வரலாறு-1 .மது.ச.விமலானந்தம். முல்லை நிலையம், சென்னை: 1976.Print.

Gaps in the Syllabus

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	செய்தித்தாள்கள் வாசித்தல்		2	(HB)
2.	புத்தகம் வாசித்தல்		2	(HB)

* Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	1	Assignment	2	கட்டுரை எழுதுதல்	2
2		Seminar	2	புத்தகம் வாசித்து விமர்சனம் செய்தல்	2
3	2	Peer teaching	2	நடைமுறை நிகழ்வுகளை கலந்தாலோசித்தல்	2

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	Unit – I	20%
2.	I INTERNAL	Unit – I, II, III (up to -----)	40%
3.	II INTERNAL	Unit – III (from -----) , IV, V	40%
4.	End Semester Examination	Unit I to V	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	N . SELVI		

Approved by			
	Name	Signature	Date
HoD	Mrs . N . SELVI		

Dean Academics	Dr.S.PRIYA		
Principal	Dr.R.SUJATHA		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme :	B.Sc Animation, Viscom, CS, Networking, Food Science & Processing, Fire & Industrial Safety and Marine Catering Hotel Management,B.Com B&I,Honors and ACCA		
Course Name :	HindiIV	Course Code :	19UH401
Year / Semester	II / IV	Section	
Total No. of Students		No. of Credits	3
Corresponding lab Paper	No	Total No. of Contact Hours	45
Course Teacher Name	Mrs.S.Neela		

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I हिन्दी साहित्य का इतिहास History of Ancient and medieval Hindi literature							
1	आदिकाल Adhikaal - Prithviraj raso.	CM-02	BB / PPT	3	2		5
2	भक्तकाल Bhakthikaal – Nirgun Bakthi and Sagun Bakthi	CM-7	BB / PPT	2	2		4
UNIT – II - नैतिक कविताएं (Ethical poem)							
3	कठ-पुतली है या जीवन है (kttputhleehaiyajeevanhai)	CM-9	BB / PPT	1	1		2
4	माँ (Maa)	CM-10	BB / PPT	1	1		2
5	एक आशीर्वाद (Eakhaasheervadh)	CM-11	BB / PPT	1	1		2
UNIT – III - व्याकरण (Grammar)							

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
9	क्रियाverb	CM-13	BB / PPT	3	1		4
10	संबंधबोधकsambandhbodhak	CM-14	BB / PPT	3	1		4
11	समुच्चयबोधकsamuchayabodhak	CM-15	BB / PPT	2	1		3
UNIT – IV - पर्यटन- Tourism							
12	रामेश्वरम - Rameshwaram	CM-16	BB / PPT	1	1		2
13	ताजमहल - The Taj Mahal	CM-17	BB / PPT	1	1		2
14	मदुरै - Madurai	CM-17	BB / PPT	1	1		2
15	श्रीनगर – Shri Nagar	CM-18	BB / PPT	1	1		2
16	कन्याकुमारी - Kanyakumari	CM-19	BB / PPT	1	1		2
UNIT – V – अनुवाद - Translation							
17	हन्दी से अंग्रेज़ी में अनुवाद	CM-15	BB / PPT	8	1		9
TOTAL HOURS							45

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Course Material

15. Hindi IV. A Compiled book, covering all the topics of the syllabus prepared by the Department of Hindi.

Reference Books

7. Webliography

http://archive.mu.ac.in/myweb_test/TYBA%20study%20material/Hindi%20Sahitya%20Ka%20Etahas.pdf

8. हन्दि प्रचार वाहनी-3दक्षणि भारत हन्दि प्रचार सभा, मद्रास हन्दि प्रचार प्रेस त्यागराय नगर, चेन्नै:17पहला संस्करण- अक्तूबर,2018 दूसरा संस्करणजुलई,2019: मुद्रक |Page nos. 14, 15, 18
9. R.Janakaja, Shabari Hindi vyakaran, Shabari Book House,37-First agrahaaram,Salem, First edition -2005:Print
10. Dr.K.M.Chandra Mohan. Hindi Vatayan. Viswavidhalaya Prakasan Chowk, Varanasi-221001:Print
11. प्रश्नोत्तर सहति मध्यमा पाठ्य सामग्री, दक्षणि भारत हन्दि प्रचार सभा, हन्दि प्रचार प्रेस ,चेन्नै:17,पहला संस्करण- जून, 2018नौवाँ पुनर्मुद्रण – जून , 2019: मुद्रक | Pages no. 177 and 178 (1 to 6)

Gaps in the Syllabus

SL. NO	Name of the Topic	Proposed Action	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Speaking Skill – Self Introduction		2	HT
2.	Reading Skill – Reading Activity		2	HT

3.	Speaking Skill – Assignment		1	HB
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* Proposed Actions can be Assignments, Seminars, Peer Teaching, and Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	Unit – IV	20%
2.	I INTERNAL	Unit – I(Chapter 1), IV, V	50%
3.	II INTERNAL	Unit – I (Chapter 2) , II, III	50%
4.	End Semester Examination	Unit I to V	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	S.Neela		

Approved by			
	Name	Signature	Date
HoD	S.Neela		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (ODD/EVEN SEMESTER)

Name of the Programme:	B.Sc Animation, Viscom, CS, Networking, Food Science & Processing, and Fire & Industrial Safety		
Course Name:	General English IV	Course Code:	19UGE402
Year / Semester	IV	Section	
Total No. of Students		No. of Credits	3
Corresponding lab Paper	No	Total No. of Contact Hours	45
Course Teacher Name	Mr. C. Senthil Kumar		

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I–INTRODUCTION TO COMMUNICATION							
1	Introduction	1 to 3	BB / PPT	1	1		2

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
2	Barriers & Types	3 to 5	BB / PPT	2	1		3
3	7C's of Communication	5 to 7	BB / PPT	2	2		4
UNIT – II - WRITING							
4	Resume Etiquettes	8 to 9	BB	3			3
5	Resume Writing	9 to 10	BB	3			3
6	Report Writing	10 to 14	BB	3			3
UNIT – III - BODY LANGUAGE							
7	Introduction: Body Language	15 to 16	VIDEO	2	1		2
8	Importance of Body Language in a Professional Atmosphere	16 to 18	VIDEO	2	1		3
9	Do's & Don'ts: Body Language	19 to 40	VIDEO	2	2		4
UNIT – IV - PRESENTATION							
10	Presentation & Its Types	41 to 43	VIDEO	3			3
11	Do's & Don'ts: Presentation Skills	43 to 46	VIDEO	3			3
12	Exercises on Presentation	47 to 49	VIDEO	3			3

Sl. No.	TOPIC	Course Material Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
			O				
UNIT – V – SENTENCE CORRECTION							
13	Correct Usage of Verbs & Adverbs – Definition – Rules.	50 to 52	BB / WS	2	1		3
14	Correct Usage of Preposition: Definition – Rules.	53 to 57	BB / WS	2	1		3
15	Correct Usage of Conjunction & Interjection: Definition – Rules	57 to 61	BB / WS	2	1		3
TOTAL HOURS							45

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

Course Material

16. General English IV. A Compiled book, covering all the topics of the syllabus prepared by the Department of English.

Reference Books

17. SrivasanHema. Communication Skills. Bangalore: Frank Brothers & Co. Ltd, 2004. Print.

18. Wren & Martin. High School English Grammar & Composition. India: S.Chand& Company Ltd, 1995. Print.

19. G.Radhakrishna Pillai. **Emerald English Grammar and Composition**. Bangalore: Emerald Publisher, 1998. Print.
20. Dr.K.Alex. **Soft Skills**. New Delhi: S.Chand& Company Ltd, 1997. Print.
21. Dr. Gupta C.B. Business Correspondence & Reporting -Business Law, Business Correspondence & Reporting (CA-Foundation). New Delhi: Taxmann, 2018. Print.
22. A.P.Bhardwaj. **General English for Competitive Examinations**. New Delhi: Dorling Kindersley (India) Pvt. Ltd, 2013. Print.
23. Michael Swan. **Practical English Usage**. New Delhi: Oxford University Press,2008.Print
24. Randolph Quirk, Sidney Greenbaum, Geoffrey Leech, Jan Svartvik. **A Comprehensive Grammar of the English Language**. New Delhi: Dorling Kindersley (India) Pvt. Ltd, 2010. Print.
25. John Adair. **The Effective Communicator**. Noida: Anubha Printers. 2005. Print.

E – Books /Library INFLIBNET RESOURCES

26. <https://nlist.inflibnet.ac.in/search/Record/EBC483375>
27. <https://nlist.inflibnet.ac.in/search/Record/EBC481114>
28. <https://nlist.inflibnet.ac.in/search/Record/EBC1864716>

Gaps in the Syllabus

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Speaking Skill – Self Introduction		3	HT

2.	Reading Skill – Reading Activity		2	HT
3.	Speaking Skill – Assignment		1	HB

* Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	1		Newspaper	Report writing Skills – Newspaper	1
2	2		Video Presentation	Professional Skills – Body language	1
3	3		Video Presentation	Professional Presentation Skills	1

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	I INTERNAL	Unit – I, II	40%
2.	II INTERNAL	Unit – III, IV	40%
3.	SLIP / CLASS TEST	Unit – V	20%
4.	End Semester Examination	Unit I to V	100%

Designation	Prepared by		
	Name	Signature	Date

Course Coordinator / In-charge	C. Senthil Kumar		
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Approved by			
	Name	Signature	Date
HoD	R.Suganthi Hepzibha		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme: Networking

Title of the Course : Network Administration Course Code : 19BN403

Year / Semester : II / IV Section: A Total No. of Students : 29

No of Credits : 4 Total No. of Contact Hours : 60

Course Teacher (s) Name : Dr.P.Joe Arun Raja Corresponding lab Paper : No

Sl.No	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT - I							
257	General Security Concepts :Understanding Information Security,Securing the Physical Environment -Examining Operational Security	T1[79-85]	PPT, PDF, Word	2	0	0	2
258	Working with Management and Policies -Understanding the Goals of Information Security	T1[86-89]	PPT, PDF, Word	2	0	0	4
259	Comprehending the Security Process -Appreciating Antivirus Software,Implementing Access Control -Understanding Authentication -Authentication Issues to Consider	T1[91-103]	PPT, PDF, Word	2	0	0	6

260	Distinguishing between Security Topologies -Setting Design Goals -Creating Security Zones,Identifying TCP/IP Security Concerns -Working with the TCP/IP Suite - Understanding Encapsulation	T1[106-114]	PPT, PDF, Word	2	0	0	8
261	Working with Protocols and Services -Recognizing TCP/IP Attacks ,Understanding Software Exploitation -Understanding OVAL -Surviving Malicious Code:	T1[115-121]	PPT, PDF, Word	2	0	0	10
262	Viruses -Trojan Horses Logic Bombs -Antivirus Software, Viruses -Trojan Horses Logic Bombs -Antivirus Software	T1[124-129]	PPT, PDF, Word	2	0	0	12
UNIT - II							
263	Infrastructure & ConnectivityWorking with Software Components -	T1[283-286]	PPT, PDF, Word	3	0	0	15
264	Understanding the Different Network Infrastructure Devices. Monitoring and Diagnosing NWs	T1[287-291]	PPT, PDF, Word	3	0	0	18
265	Securing Workstations and Servers -Understanding Mobile Devices -Understanding Remote Access :Using Point-to-Point Protocol	T1[293-298]	PPT, PDF, Word	3	0	0	21
266	Working with Tunneling Protocols -Using 802.1x Wireless Protocols -Working with RADIUS-TACACS	T1[302-315]	PPT, PDF, Word	3	0	0	24
UNIT - III							
267	Monitoring Activity and Intrusion Detection: Monitoring the Network -Recognizing the Different Types of Network Traffic	T1[359-	PPT, PDF,	2	0	0	26

		362]	Word				
268	Understanding Intrusion Detection Systems :Working with a Network-Based IDS - Working with a Host-Based IDS	T1[363-369]	PPT, PDF, Word	2	0	0	28
269	Working with NIPS -Utilizing Honeypots-Understanding Incident Response - Understanding Instant Messaging’s Features	T1[373-381]	PPT, PDF, Word	2	0	0	30
270	Understanding Protocol Analyzers -Understanding Signal Analysis and Intelligence - Footprinting -Scanning . Maintaining Secure Network	T1[383-390]	PPT, PDF, Word	2	0	0	32
271	Overview of Network Security Threats-Defining Security Baselines -Hardening the OS and NOS	T1[394-398]	PPT, PDF, Word	1	0	0	33
272	Hardening Network Devices	T1[983-988]	PPT, PDF, Word	1	0	0	34
273	Hardening Applications	T1[989-999]	PPT, PDF, Word	2	0	0	36
UNIT - IV							
274	Cryptography Methods, and Standards	T1[408-421]	PPT, PDF, Word	2	0	0	38
275	Using Public Key Infrastructure	T1[427-	PPT, PDF,	2	0	0	40

		435]	Word				
276	Understanding Cryptography Standards and Protocols	T1[438-445]	PPT, PDF, Word	2	0	0	42
277	Understanding Key Management	T1[449-477]	PPT, PDF, Word	3	0	0	45
278	Understanding the Key Life Cycle	T1[489-510]	PPT, PDF, Word	3	0	0	48
UNIT – V							
279	Security Policies and Procedures	T1[1127-1134]	PPT, PDF, Word	3	0	0	51
280	on	T1[1138-1147]	PPT, PDF, Word	3	0	0	54
281	The Computer Security Act of 1987-The Cyberspace Electronic Security Act	T1[1156-1183]	PPT, PDF, Word	3	0	0	57
282	The Cyber Security Enhancement Act	T1[1189-1191]	PPT, PDF, Word	3	0	0	60
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.
[Mark the abbreviation in the teaching aids column]

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Intrusion Detection: Monitoring the Network	Seminar	1	HB
2.	Footprinting	Seminar	1	HB
3.	Security Administration	Peer Teaching	1	HB

Text Books

T1	“ComTIA Security + Study Guide”by Emmett Dulaney,Fourth Edition,SYBEX,New Delhi,2009.
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Reference Book

R1	“Network Security Essentials,Applications and Standards”,By William Stallings,Fourth Edition,Pearson Education,New Delhi,2011
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Web Resources

W1	https://en.wikipedia.org/wiki/Network_administrator
W2	https://en.wikiversity.org/wiki/Network_Administration
W3	https://www.computerscience.org/careers/network-administrator/
W4	https://docs.oracle.com/cd/E19455-01/806-0916/6ja85398i/index.html

E – Books /Library INFLIBNET RESOURCES

E1	https://www.oreilly.com/library/view/tcpip-network-administration/0596002971/
E2	https://solutionsreview.com/network-monitoring/the-essential-network-and-system-administration-books/

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1	SLIP / CLASS TEST	Unit/Portion to be decided by the Course Teacher and the HoD	20%
2	I INTERNAL	UNIT – 1 to 2.5	50%
3	II INTERNAL	UNIT – 2.5 to 5	50%
4	End Semester Examination	ALL FIVE UNITS	100%

Designation	Prepared by		
	Name	Signature	Date

Course Coordinator / In-charge	Dr.P.Joe Arun Raja		
Module Coordinator (One person who would coordinate all Courses in a Programme according to OBE)	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme : Networking

Title of the Course	: DataBase Mangement System	Course Code	: 19BN404
Year / Semester	: II / IV	Section:	Total No. of Students : 15
No of Credits	: 4		Total No. of Contact Hours : 60
Course Teacher (s) Name	: M.Athigopal		Corresponding lab Paper : No

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery			Cumulative Hours
				L	T	P	
UNIT – I							
1.	Data, Information and Information processing - Introduction- Definition of Information - Quality of information - Information Processing-Information and the enterprise - Integrated Management Information.	T1 1- 30	PPT, Video	3			3
2.	Secondary storage Devices: Introduction – Direct Access storage – Sequential Access storage.	T1 31 - 50	PPT, Video	5			5
3.	File Storage Organization & Structure: Sequential file organization – Direct file organization - File structure – Record types.	T1 51 -65	PPT, Video	4			4
UNIT – II							
4.	Introduction to Database Management Systems: Introduction - Characteristics of Data in a Database – Database Management System	T1 99 - 110	PPT, Video	6			6

5.	Types of Database Management System – Database Management Systems – Object oriented model – Object relational model – Detective/Inference model	T1 111- 124	PPT, Video	3			3
6.	Relational Database Management Systems: Introduction – RDBMS terminology – Relational Data structure – Relational Data Integrity	T1 159- 175	PPT, Video	3			3
UNIT – III							
7.	Creating Database Objects: Creation of a Database – Create Table: Basic form – Declarative Integrity Constraints – Referential Integrity	T2 136 - 156	PPT, Video	4			4
8.	Modifying Database Objects: Altering a Database – Altering a Table – Removing Database Objects	T2 157- 166	PPT, Video	4			4
9.	Queries :Select Statement – Its Causes and Functions	T2 167 - 180	PPT, Video	2			2
10.	Subqueries: Subqueries and Comparison Operators- Subqueries and the IN Operator – Subqueries and ANY and ALL Operators.	T2 181 - 208	PPT, Video	2			2
UNIT – IV							

11.	Database Security: Introduction – Database Environment – Data Security Risks – Data Security Requirements	T1 537 - 545	PPT, Video	7			7
12.	Database users – Protecting the data within the database – Granting and revoking privileges and roles	T1 546 - 550	PPT, Video	4			4
13.	Database Integrity – Network Security	T1 551-558	PPT, Video	1			1
UNIT - V							
14.	Transaction Management and Concurrency Control: Introduction – Transactions – Transaction properties – Database structure – Transaction States - Concurrency control – Concurrency control schemes.	T1 567 - 595	PPT, Video	4			4
15.	Backup and Recovery: Introduction – Database backups – Hardware protection and Redundancy - Transaction logs	T1 596 -615	PPT, Video	4			4
16.	Importance of Backups - Database recovery – data storage – Causes of failures – Recovery concepts and terminology – Recovery Facilities – Recovery Techniques – Detached Transaction Actions – Recovery in multi database Systems	T1 616 - 638	PPT, Video	4			4
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Text Books

T1	Leon, A. (2009). <i>Database management systems, First Edition</i> . Chennai: Vikas Publishing.
T2	<i>“Petkovic, D. (2012). Microsoft SQL server 2012 a beginners guide Fifth Edition. McGraw Hill Professional</i>

Reference Book

R1	Korth, H. F., Sudarshan, S., & Abraham Silberschatz, P. (2013). <i>Database system concepts</i> . New York: McGraw-Hill Education
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Web Resources

W1	https://www.javatpoint.com/dbms-tutorial
W2	https://www.tutorialspoint.com/dbms/index.htm
W3	https://www.guru99.com/dbms-tutorial.html

W4	https://beginnersbook.com/2015/04/dbms-tutorial/
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E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Share Point	Seminar	1	HB
2.	Selenium Technology	Seminar	1	HB
3.	Big Data	Seminar	1	HB

4.	Information Security	Peer Teaching	1	HB
5.	Database Security	Peer Teaching	1	HB

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST		20%
2.	I INTERNAL		50%

Prepared by			
	Name	Signature	Date
Course Coordinator	Mr.M.Athigopal		
Programme Coordinator	Mr.M.Athigopal		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme : B.Sc Networking

Programme Code : NW1009

Title of the Course : Network Security Lab

Course Code : 19BN405

Year / Semester : II / IV

Section: Total No. of Students : 25

No of Credits : 4

Total No. of Contact Hours :

Course Teacher (s) Name : P.Joe Arun Raja

Corresponding lab Paper : Yes / No

				L	T	P	
UNIT – I							
283	.System Update : Linux and Windows	NA	PPT,PDF, Word	0	0	4	4
284	.Identifying the running process on your machine	NA	PPT,PDF, Word	0	0	4	8
285	.Examine the routing table : Linux and Windows	NA	PPT,PDF, Word	0	0	4	12
286	.View the Active TCP and UDP ports	NA	PPT,PDF, Word	0	0	4	16
287	Run Windows Network Monitor	NA	PPT,PDF, Word	0	0	4	20
288	.Monitor Network traffic in LINUX	NA	PPT,PDF, Word	0	0	4	24
289	.Working With Windows Server Networking	NA	PPT,PDF, Word	0	0	4	28
290	.Configuring IPV4 and IPV6 Addresses, DNS,DHCP	NA	PPT,PDF, Word	0	0	4	32
291	.Work with LINUX Networking	NA	PPT,PDF, Word	0	0	4	36
292	Hash Rules in Windows server	NA	PPT,PDF, Word	0	0	4	40
293	SSL Settings in windows server	NA	PPT,PDF, Word	0	0	4	44
294	Encrypting a File System in LINUX	NA	PPT,PDF, Word	0	0	4	48
295	Look for Errors in IPSec Performance Statistics	NA	PPT,PDF, Word	0	0	4	52

296	Securing Network Traffic with IP SEC	NA	PPT,PDF, Word	0	0	4	56
297	Windows Firewall,Working with Network Monitoring Tools	NA	PPT,PDF, Word	0	0	4	60
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended &Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB),Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
----	----

Reference Books

R1	NA
R2	NA

Web Resources

W1	https://www.cisco.com/c/en_in/products/security/what-is-network-security.html
W2	https://en.wikipedia.org/wiki/Network_security
W3	https://www.tutorialspoint.com/information_security_cyber_law/network_security.htm
W4	https://www.youtube.com/watch?v=6Jub11UnJTE

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Remote working cybersecurity risks	Lecture	1	HT
2.	The Internet of Things (IoT) evolving	Demo	2	HT

3.	The rise of ransomware	Demo	2	HT
4.	Increase in cloud services and cloud security threats	Demo	3	HT
5.	Data privacy as a discipline	Demo	2	HT

* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
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1.	SLIP / CLASS TEST	1 - 4 Programs	20%
2.	I INTERNAL	5 - 10 Programs	50%
3.	II INTERNAL	11 – 15 Programs	50%
4.	End Semester Examination	15 Programs	100%

Designation	Prepared by		
	Name	Signature	Date
CourseCoordinator	Dr.P.Joe Arun raja		
Programme Coordinator	Mr.V.Deepan Chakkaravarthy		

Approved by			
	Name	Signature	Date

HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme : B.Sc Networking

Programme Code : NW1009

Title of the Course : Database Administration Lab

Course Code : 19BN406

Year / Semester : II / IV

Section:

Total No. of Students : 25

No of Credits : 4

Total No. of Contact Hours : 4Course

Teacher (s) Name : Mr.M.Athigopal

Corresponding lab Paper : Yes / No

				L	T	P	
UNIT – I							
298	.Introduction to design and database objects	NA	PPT,PDF, Word	0	0	4	4
299	.Design and Implement Tables.	NA	PPT,PDF, Word	0	0	4	8
300	.Write DDL,DML,DCL statements	NA	PPT,PDF, Word	0	0	4	12
301	.Ensure Data Integrity through Constraints	NA	PPT,PDF, Word	0	0	4	16
302	Write queries that use built-in functions	NA	PPT,PDF, Word	0	0	4	20
303	.Select subqueries statement in SQL Server	NA	PPT,PDF, Word	0	0	4	24
304	.Implement Managed Code in SQL Server	NA	PPT,PDF, Word	0	0	4	28
305	.Authenticate and authorize users	NA	PPT,PDF, Word	0	0	4	32
306	.Assign server and database roles	NA	PPT,PDF, Word	0	0	4	36
307	Authorize users to access resources	NA	PPT,PDF, Word	0	0	4	40
308	Protect data with encryption and auditing	NA	PPT,PDF, Word	0	0	4	44
309	Configure security for the SQL Server agent	NA	PPT,PDF, Word	0	0	4	48
310	Monitor and Troubleshoot a SQL Server infrastructure	NA	PPT	0	0	4	52

311	Backup SQL Server databases	NA	PPT	0	0	4	56
312	Restore SQL Server databases, Import and Export data	NA	PPT	0	0	4	60
TOTAL							60

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD/PPT/ Black Board (BB) /Worksheet(WS) /Video (V) / Group Discussion (GD) / Blended & Flipped (BF) /Open educational resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDo), and Google Slides(GS) and Whiteboards(WB), Wikipedia (W) , Java Development Kit (JDK), Notepad (NP) any other tools may also be included

[Mark the abbreviation in the teaching aids column]

Text Book

T1	NA
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Reference Books

R1	NA
R2	NA

Web Resources

W1	https://docs.actian.com/ingres/11.0/DatabaseAdmin/IntroducingDBA.htm
W2	https://www.sciencedirect.com/topics/computer-science/database-administration
W3	https://www.rasmussen.edu/degrees/technology/blog/what-is-database-administrator
W4	https://www.webopedia.com/definitions/database-administrator-dba

E – Books /Library INFLIBNET RESOURCES

E1	
E2	
E3	
E4	

Gaps in the Syllabus

SL.NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	Back end Software	Lecture	1	HT
2.	Joins	Demo	2	HT
3.	Normalization	Demo	2	HT
4.	ER Diagram	Demo	3	HT

5.	Report Generated	Demo	2	HT
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* *Proposed Actions can be Assignments , Seminars, Peer Teaching, Industrial Visit , Others (if any)*

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	-	-	-	-	-

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	SLIP / CLASS TEST	1 - 4 Programs	20%
2.	I INTERNAL	5 - 10 Programs	50%
3.	II INTERNAL	11 – 16 Programs	50%

4.	End Semester Examination	16 Programs	100%
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Designation	Prepared by		
	Name	Signature	Date
Course Coordinator	Mr.M.Athigopal		
Programme Coordinator	Mr.V.Deepan Chakkaravarthy		

Approved by			
	Name	Signature	Date
HoD	Mr.M.Athigopal		
Dean Academics	Dr.S.Priya		

Principal	Dr.R.Sujatha		
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SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

COURSE PLAN – 2020– 2021 (EVEN SEMESTER)

Name of the Programme: B.Sc Networking

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	

Programme Code : NW1009

Title of the Course : Reasoning Skills

Year / Semester : II / IV

No of Credits : 2

Course Teacher (s) Name: S. Suriaprakash

Course Code : 19WR409

Total No. of Students : 25

Total No. of Contact Hours : 3

Corresponding lab Paper : Yes / No

UNIT - I							
1.	Series	T-1	BB/ WB/ OER	2	0	0	2
2.	Classification	T-206	BB/ WB/ OER	2	0	0	4
3.	Logical Venn diagram	T-346	BB/ WB/ OER	2	0	0	6
UNIT – II							
4.	Coding and Decoding	T-169	BB/ WB/ OER	2	1	0	3
5.	Blood relationship	T-220	BB/ WB/ OER	2	1	0	6
UNIT – III							
6.	Direction Sense Test,	T-324	BB/ WB/ OER	2	1	0	3
7.	Schedule Day/Date/Time	T-459	BB/ WB/ OER	2	1	0	6
UNIT – IV							
8.	Ranking	T-417	BB/ WB/ OER	2	0	0	2
9.	Symbols and Notations	T-420	BB/ WB/ OER	2	0	0	4
10.	Inequality	T-429	BB/ WB/ OER	2	2	0	6
UNIT – V							

11.	Analogy (nonverbal)	T-136	BB/ WB/ OER	1	0	0	1
12.	Odd Man Out	T-303	BB/ WB/ OER	1	1	0	3
13.	Mirror Images,	T-267	BB/ WB/ OER	1	0	0	4
14.	Grouping Images	T-270	BB/ WB/ OER	1	1	0	6
TOTAL							30

* L - Lecture T - Tutorial (Problems / Example Programs / Revision Classes) P - Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included.

[Mark the abbreviation in the teaching aids column]

Text Book

T	1) Agarwal R.S, 'A modern approach to Logical reasoning' Chand Publishers.
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Reference Books

R1	1. B S SIJWALI, INDU SIJWAL, “A new approach to Reasoning Verbal & Nonverbal (English)”
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Web Resources

W1	https://www.indiabix.com/
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E – Books /Library INFLIBNET RESOURCES

E1	https://www.careerride.com/mcq-topics/logical-reasoning-mcq-questions-placement-tests-187.aspx
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COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	I INTERNAL	Unit - I, II, III (50%)	50%
2.	II INTERNAL	Unit – III (50%) , IV, V	50%

3.	End Semester Examination	Unit I to V	100%
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Prepared by			
Designation	Name	Signature	Date
Course Coordinator / In-charge	Mr. S. Suria Prakash		
Programme Coordinator			

Approved by			
	Name	Signature	Date
HoD	Mr. Sivasubramanian		
Dean Academics	Dr.S.Priya		
Principal	Dr.R.Sujatha		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (EVEN SEMESTER)

Name of the Programme :	ANI/VIS/CS/NET/MCHM/FSPM/F&IS/HONS&ACCA/ B.Com B&I/BBA	Programme Code :	
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Course Name :	Basic Tamil IV	Course Code :	19UBT410
Year / Semester	II / II	Section	
Total No. of Students	24	No. of Credits	2
Corresponding lab Paper	No	Total No. of Contact Hours	30
Course Teacher Name	Ms.R.Sailakshmi		

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
				L	T	P	
UNIT – I							
1	பழங்கள்	CM/1	BB	1			1
2	காய்கறிகள்	CM/2	BB	1			1
3	மளிகைப்பொருட்கள்	CM/3	BB	1			1
	அறுசுவை	CM/4	BB	1			1
	சந்தையில் பயன்படுத்தும் சொற்கள்	CM/5	BB	1			1
	உரையாடல்	CM/6	BB	1			1

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery			Cumulative Hours
UNIT – II							
	மருத்துவத்துறை தொடர்பானவை	CM/7	BB	1			1
	கல்வித்துறை தொடர்பானவை	CM/8	BB	1			1
	விளையாட்டு தொடர்பானவை	CM/9	BB	1			1
	புவியியல்துறை தொடர்பானவை	CM/10	BB	1			1
	வானியல்துறை, வீடு தொடர்பானவை	CM/11	BB	1			1
	பொதுச் சொற்கள்	CM/12	BB	1			1
UNIT – III							
	எழுத்து வேறுபாடுகள்	CM/13	BB	2			2
	பிரித்து எழுதுதல்	CM/14	BB	2			2
	சேர்த்து எழுதுதல்	CM/15	BB	2			2
UNIT – IV							
	சொல்லும் பொருளும்	CM/16	BB	1			2
	எதிர்ச்சொல்	CM/17	BB	1			2
	மரபும் வழுவும்	CM/18	BB	1			1
	மொழிபெயர்ப்பு - தமிழ்-ஆங்கிலம்	CM/19	BB	1			1
	மொழிபெயர்ப்பு - ஆங்கிலம் - தமிழ்	CM/20	BB	2			2

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours			Cumulative Hours
UNIT – V							
	தமிழ் நூல்களும் ஆசிரியர்களும்	CM/21	BB	1			1
	பொன்மொழிகள்	CM/22	BB	1			1
	சிறப்புத் தொடர்கள்	CM/23	BB	2			2
	உரையாடல்	-	BB	2			2
TOTAL HOURS							30

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

CourseMaterial

12. அடிப்படைத்தமிழ்; -II –பாடநூல்தொகுப்புகல்லூரித்தமிழ்த்துறைவெளியீடு -

Gaps in the Syllabus

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	உரையாடல்		2	(HB)

2.	புத்தகம் வாசித்தல்		2	(HB)
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* Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit, Others (if any)

COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

Sl.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	1	Assignment	1	மொழிபெயர்ப்பு	1
2		Seminar	1	புத்தகம் விமர்சனம் செய்தல்	1
3	2	Peer teaching	1	நடைமுறை நிகழ்வுகளை கலந்தாலோசித்தல்	1

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	I INTERNAL	Unit – I, II, III (up to -----)	50%
2.	II INTERNAL	Unit – III (from -----) , IV, V	50%
3.	End Semester Examination	Unit I to V	100%
Designation		Prepared by	
		Name	Signature
Course Coordinator / In-charge		Ms .R. Sailakshmi	
		Date	

Approved by

	Name	Signature	Date
HoD	Mrs . N . SELVI		
Dean Academics	Dr.S.PRIYA		
Principal	Dr.R.SUJATHA		

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE
COURSE PLAN – 2020 – 21 (ODD/EVEN SEMESTER)

Name of the Programme :	CS/F&IS	Programme Code :	
Course Name :	Advanced Tamil IV	Course Code :	19UAT411
Year / Semester	II / II	Section	
Total No. of Students	23	No. of Credits	2
Corresponding lab Paper	No	Total No. of Contact Hours	30
Course Teacher Name	H.GEETHA		

Sl. No.	TOPIC	Reference / Text Book	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
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		Page No		L	T	P	
UNIT – I							
1	நாயன்மார் பாடல்கள்	CM/1	BB	2			2
2	ஆழ்வார் பாடல்கள்	CM/2	BB	2			2
3	சிலப்பதிகாரம்	CM/3	BB	2			2
UNIT – II							
	தமிழ் மொழியின் வரலாறு	CM/5	BB	2			3
	செம்மொழிகளும் தமிழும்	CM/7	BB	2			3
UNIT – III							
	திருக்குறள் (ஒழுக்கமுடைமை1-10)	CM/9	BB	2			2
	திருக்குறள் (விருந்தோம்பல் 1-10)	CM/10					2
	நாலடியார் (செல்வம் நிலையாமை 1-5)	CM/11					2
UNIT – IV							
	தமிழ்ச் சொற்களும் பிறமொழிச் சொற்களும்	CM/12	BB	3			2
	சொல் வகைகள்	CM/14	BB	3			2
	வினா, விடை – வகைகள்	CM/16	BB	3			2
UNIT – V							
	கட்டுரைப் பயிற்சி	--	BB	3			6

Sl. No.	TOPIC	Reference / Text Book Page No	*Teaching Aids	Mode of Delivery No of Hours	Cumulative Hours
TOTAL HOURS					30

L – Lecture T – Tutorial (Problems / Example Programs / Revision Classes) P – Practical

* LCD / PPT / Black Board (BB) / Worksheet(WS) / Video (V) / Group Discussion (GD) / Blended & Flipped (BF) / Open Educational Resources (OER) media that are freely accessible, Google tools like Drive (GRV) , Google Docs (GDO), and Google Slides(GS) , Google Forms (GOF) and Whiteboards(WB),Wikipedia (W) any other tools may also be included. [Mark the abbreviation in the teaching aids column]

CourseMaterial

13. பொதுத்தமிழ்-IV-பாடநூல் தொகுப்பு கல்லூரித் -தமிழ்த்துறை வெளியீடு

Reference Books

14. தேவாரம்.சைவசித்தாந்த நூற்பதிப்புக்கழக வெளியீடு.கும்பகோணம்: 1990. Print
15. நாலாயிரதிவ்வியப்பிரபந்தம்.சைவசித்தாந்த நூற்பதிப்புக்கழகவெளியீடு. 1992. Print.
16. ஞா.மாணிக்கவாசகன். சிலப்பதிகாரம் ,உமாபதிப்பகம், சென்னை: 1976.Print.
17. மு.வரதராசனார்உரை . திருக்குறள், சைவசித்தாந்தநூற்பதிப்புக்கழகம்,1996. Print.
18. அ.மாணிக்கம். நாலடியார், மணிவாசகர்பதிப்பகம்,மதுரை :1982. Print.
19. பயன்பாட்டுத்தமிழ் இலக்கணம். மணிவாசகர் பதிப்பகம்> மதுரை: 1995.Print.

Gaps in the Syllabus

SL. NO	Name of the Topic	PROPOSED ACTION	No of Hours Allotted	Hours with in the Time Table (HT) / Hours beyond the Time Table (HB)
1.	செய்தித்தாள்கள் வாசித்தல்		2	(HB)
2.	புத்தகம் வாசித்தல்		2	(HB)

* Proposed Actions can be Assignments, Seminars, Peer Teaching, Industrial Visit, Others (if any) COURSE PLAN FOR CONTENT BEYOND SYLLABUS (TO MEET THE INDUSTRIAL NEEDS)

SI.NO	Module	Mode of Delivery	Teaching Aids	Planned Topics	Total No of Hours Allotted
1	1	Assignment	2	கட்டுரை எழுதுதல்	2
2		Seminar	2	புத்தகம் வாசித்து விமர்சனம் செய்தல்	2
3	2	Peer teaching	2	நடைமுறை நிகழ்வுகளை கலந்தாலோசித்தல்	2

PORTION FOR EXAMINATION

Sl. No.	Mode	Proposed Portions to be Covered	Proportion (Portion) in Percentage
1.	I INTERNAL	Unit – I, II, III (up to -----)	50%
2.	II INTERNAL	Unit – III (from -----) , IV, V	50%
3.	End Semester Examination	Unit I to V	100%

Designation	Prepared by		
	Name	Signature	Date
Course Coordinator / In-charge	N . SELVI		

Approved by			
	Name	Signature	Date
HoD	Mrs . N . SELVI		
Dean Academics	Dr.S.PRIYA		
Principal	Dr.R.SUJATHA		

