

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS)-POLLACHI

47	B. Sc. Zoology	Core Major Paper-XI Animal Physiology and Endocrinology	19UZY611	2019
48	B. Sc. Zoology	Core elective Paper VI- Dairy farming and management	19UZY6E6	2019
49	M.Com	Marketing Research	19PCO102	2019
50	M.Com	Strategic Management	19PCO2E2	2019
51	M.Com	Corporation Finance and Institutions	19PCO310	2019
52	M.Com	Logistics Management	19PCO4E3	2019
53	Tamil Aided	Tamil Paper I	19UTL101	2019
54	Tamil Aided	Tamil Paper II	19UTL202	2019
55	Tamil Aided	Tamil Paper III	19UTL303	2019
56	Tamil Aided	Tamil Paper IV	19UTL404	2019
57	B.A. Tamil	Ikkala Ilakiyam	19UTM101	2019
58	B.A. Tamil	Ara Ilakkiyam	19UTM102	2019
59	B.A. Tamil	Sitru illakiyam	19UTM204	2019
60	B.A. Tamil	Bhakthi illakiyam	19UTM306	2019
61	B.A. Tamil	Kanni Ilakkiyam	19UTM3A3	2019
62	B.A. Tamil	Porulilakkanam	19UTM407	2019
63	B.A. Tamil	Pataipu Ilakkiyam	19UTM408	2019
64	B.A. Tamil	Kappiyangal	19UTM505	2019
65	B.A. Tamil	Tamil mozhi varalaru	19UTM511	2019
66	B.A. Tamil	Sanga illakiyam Ettutogai	19UTM613	2019
67	B.A. Tamil	Sanga illakiyam Pathupattu	19UTM614	2019
68	B.A. Tamil	Aachitamil	19UTM6S3	2019
69	B.Sc.IT	Service Oriented Architecture	19UIT309	2019
70	B.Sc.IT	Lab IV. Web designing (HTML, CSS, JavaScript and Angular)	19UIT311	2019
71	B.Sc.IT	Social Networks	19UIT3N1	2019



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72	B.Sc.IT	Data Analytics	19UIT4N3	2019
73	B.Sc.IT	Skill Based Major Elective - Lab. I Web Programming (Python)	19UIT5S1	2019
74	B.Sc.IT	Skill Based Major Elective - Lab. II DTP Software (CorelDraw / Photoshop)	19UIT6S3/ 19UIT6S4	2019
75	B.Sc. CT	CORE VII: OPERATING SYSTEMS	19UCT309	2019
76	B.Sc. CT	CORE XIII: FRAMEWORK TECHNOLOGY	19UCT621	2019
77	B.Sc. CT	ALLIED IV: PROCESSORS	19UCT4A4	2019
78	BCA	Mathematics-II: Mathematical Foundation of Computer Applications	19UBC2A2	2019
79	BCA	Web Development	19UBC413	2019
80	BCA	Web Development Lab	19UBC416	2019
81	BCA	Storage Management	19UBC5E3	2019
82	BCA	Distributed Operating System	19UBC5S3	2019
83	BCA	Python Programming	19UBC623	2019
84	BCA	Python Programming Lab	19UBC626	2019
85	B.Com	Entrepreneurial Development	19UCO519	2019
86	B.Com	Service Marketing and Customer Relationship Marketing	19UCO625	2019
87	B.Com	Retail Management	19UCO515	2019
88	B.Com	Goods and Service Tax (GST) Accounting	19UCO518	2019
89	B.Com	Intellectual Property Rights	19UCO5S1	2019
90	B.Com	Commerce For Competitive Exams/ Business Ethics	19UCO6S3	2019
91	B.Com	Financial Management	19UCO624	2019
92	B.Com (CA)	Banking and Insurance Law	19UCC6E3	2019
93	B.Com (CA)	Services Marketing	19UCC6E4	2019
94	B.Com (CA)	Higher Corporate Accounting	19UCC410	2019
95	B.Com (CA)	Commerce and Computer Application Practical	19UCC5E1	2019
96	B.Com (CA)	Consumer Behaviour	19UCC5E2	2019



New Course Introduced

Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D.,
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Meeting of the Board of Studies in Information Technology

On Saturday - 16.02.2019

- 10 AM

Batch : 2019 - 2022

34

35

Sl. No	Name of the Members	Signature
1	Thiru. K. Vijayakumar (Chairman) Head - Dept of Information Technology	K. Vijayakumar 16/2/19
2	Dr. M. Elamparathi (University Nominee) Dept. of BCA, STC College, Pollachi	ABSENT
3	Dr. C. Jayabharathi (Subject Expert) Asst. Prof & Head - Dept. of Comp. Science APA College, Palani	C. Jayabharathi 16/2/19
4	Mr. P. Gokul Sibi (Industrial Expert) Senior Software Engineer cum Alumni Hipro Company Pvt. Ltd, Bangalore	P. Gokul Sibi 16/2/19
5	Mr. M. Rajesh (Alumni) Associate Consultant Cap Gemini Company Pvt. Ltd, Bangalore	ABSENT
<u>Members of the Board</u>		
6	Thiru. R. Leksh	R. Leksh 16/2/19
7	Ms. C. R. Durgadevi	C. R. Durgadevi 16/2/19
8	Ms. B. Kalaiselvi	B. Kalaiselvi 16/2/19
9	Ms. V. Prabhavathi	V. Prabhavathi 16/2/19
<u>Student Members</u>		
10	V. Bhalaji	V. Bhalaji 16/2/19
11	N. Ambika	N. Ambika 16/2/19

Minutes
Based on the suggestions given by the members of Board of Studies, the following discussions are made.
1. Atleast 10% of changes in curriculum can be done in every board of studies.
2. May implement Data structure concepts using any tool.
2a. In Maths II course, Matrix topic removed, Number theory & grammar language is included.
3. Service oriented Architecture course can be introduced instead of client / server course.
4. Lab IV - HTML, CSS, Javascript and Angular title is changed instead of Lab II - HTML & CSS.
5. In RDBMS course, NOSQL concepts can be introduced.
6. In NNE, Social network course with Storage in google drive concept can be added and Data Analytics paper has been introduced.
7. In C#.net course, concepts like ADonet, generics, Concepts not available in Java can be included. Architecture topic can be included.
8. In software Engineering course, Devops can be included.
9. In E-commerce course, Block-chain technology, cryptocurrency can be included.
10. Selenium can be used as a software testing tool.
11a. In question paper pattern, Part A questions can be orderly shuffled and different set of questions can be provided.
11b. In 3 rd Semester, Skill Based Major Elective Lab Python was introduced instead of Asp. In VI th Semester, Javascript Lab is shifted to IV th semester and JSP is removed, instead of these Papers, Corel draw and photoshop lab were introduced.

12. As strongly suggested by the members, Minimum 75% attendance is needed for Test I and Test II Exams.
13. Discussed about online courses & extra credit Courses using Portals like Swayam, Nptel, Udacity, etc.
14. Scoutinization of Question papers is necessary before end-of-Semester Examinations.
15. Minimum Pass Mark in internal examinations may be fixed.
16. In current Question paper pattern, there is more difference in mark allotment for Section A and Section B. The Pattern may be changed by having lesser interval of marks between section A, B and C.
17. In this Board of Studies, based on Experts and Members Suggestions, Curriculum has been changed by 20.3%.
18. In ^{III}~~IV~~th sem, Students opted for courses in Electives will be mutually exchanged between CT and IT departments.
19. Digital Image Processing & Embedded Systems Elective Courses are interchanged between ^V~~VI~~th and ^{VI}~~V~~th Semesters.

Name

1. K. Vijayakumar
2. Dr. C. Jayatharathi
3. Mr. T. Chakraborty
4. Mr. R. Sekar
5. Mrs. C.R. Durgadevi
6. Mrs. B. Kalaiselvi
7. Mrs. V. Prabavathi

STUDENT MEMBERS :

8. V. Bhalaji
9. N. Ambika

Signature

K. Vijayakumar 16/2/19
 C. Jayatharathi 16/2/19
 T. Chakraborty 16-02-19
 R. Sekar 16/2/19
 C.R. Durgadevi 16/2/19
 B. Kalaiselvi 16/2/19
 V. Prabavathi 16/2/19

V. Bhalaji
 N. Ambika

			Hrs/ Week	HRS	INT	EXT	TOTAL	CREDITS
SEMESTER III								
		CORE PAPERS:						
III	19UIT307	Operating Systems	5	3	25	75	100	4
	19UIT308	Relational Database Management System	5	3	25	75	100	4
	19UIT309	Service Oriented Architecture	5	3	25	75	100	4
	19UIT310	Lab. III – RDBMS	4	3	40	60	100	2
	19UIT311	Lab. IV – Web Designing (HTML, CSS, JavaScript & Angular)	4	3	40	60	100	2
		ALLIED PAPERS:						
	19UIT3A3	Microprocessor and Assembly Language Programming	5	3	25	75	100	4
IV	19UIT3N1/ 19UIT3N2	Skill Based Non-Major- I (Social Networks / Hardware &Networking)	1	2		50	50	2
	19HEC303	Value Education: Human Excellence Course - Professional Values	1	2	25	25	50	1
V		Extension Activities (See Annexure – I)						
	TOTAL		30				700	23
SEMESTER IV								
		CORE PAPERS:						
III	19UIT412	Data Communication and Networks	5	3	25	75	100	4
	19UIT413	Advanced Java Programming	5	3	25	75	100	4
	19UIT414	Visual Programming	5	3	25	75	100	4
	19UIT415	Lab. V – Programming in Advanced Java	6	3	40	60	100	3
	19UIT416	Lab. VI - Visual Programming	2	3	20	30	50	2
		ALLIED PAPERS:						
	19UIT4A4	Software Engineering	5	3	25	75	100	4
IV	19UIT4N3/ 19UIT4N4	Skill Based Non-Major- II (Data Analytics / Computer Security)	1	2		50	50	2
	19HEC404	Value Education: Human Excellence Course - Social Values	1	2	25	25	50	1
V		Extension Activities (See Annexure – I)				50	50	1
	TOTAL		30				700	25

			Hrs/ Week	HRS	INT	EXT	TOTAL	CREDITS
SEMESTER V								
III	19UIT517	Open Source Methodologies	6	3	25	75	100	4
	19UIT518	Information Security	6	3	25	75	100	4
	19UIT5E1/ 19UIT5E2/ 19UIT5E3	Major Elective - I	6	3	25	75	100	5
	19UIT519	Lab. VII - Open Source Methodologies	5	3	40	60	100	3
	19UIT520	Lab. VIII - Software Testing Tools	4	3	20	30	50	2
IV	19GKL501	General Knowledge & General Awareness (SBE) (Online)	SS	2	--	50	50	2
	19UIT5S1/ 19UIT5S2	Skill Based Major Elective - Lab. I Web Programming (Python / PHP)	2	2	--	50	50	2
	19HEC505	Value Education: Human Excellence Course - National Values	1	2	25	25	50	1
	TOTAL		30				600	23
SEMESTER VI								
III	19UIT621	Computer Graphics	6	3	25	75	100	4
	19UIT6E4/ 19UIT6E5/ 19UIT6E6	Major Elective - II	6	3	25	75	100	5
	19UIT6E7/ 19UIT6E8/ 19UIT6E9	Major Elective - III	6	3	25	75	100	5
	19UIT622	Lab. IX - Graphics & Multimedia	5	3	40	60	100	3
	19UIT623	Project	4			100	100	3
IV	19UIT6S3/ 19UIT6S4	Skill Based Major Elective - Lab. II DTP Software (CorelDraw / Photoshop)	2	2	--	50	50	2
	19HEC606	Value Education: Human Excellence Course - Global Values	1	2	25	25	50	1
	TOTAL		30				600	23
			180				3900	140

Programme Code:	B.Sc.	Programme Title :	Bachelor of Information Technology	
Course Code:	19UIT309	Title:	Batch :	2019-2022
		Service Oriented Architecture	Semester :	III
Hrs/Week:	5		Credits :	4

Course Objective

Understand the various concepts of Client/Server computing and web services, SOAP, UDDI, XML, WSDL etc.

Course Outcomes (CO)

K1	CO1	To keep in mind the various client/server concepts, middleware.
K2	CO2	To Understand the basic concepts of C/S and service architectures
K3	CO3	To apply web services in WSDL
K4	CO4	To analyze the various registries, RPC and messages in web services.

Unit	Content	Hrs
Unit I	Distributed Information systems: Design of an Information system – Architecture – communications. Middleware: Understanding middleware -RPC and related middleware.	13
Unit II	Middleware: TP monitors - Object brokers - Message-oriented middleware. Web Technologies: Exchanging Information over the Internet-Web technologies for supporting remote clients-Application servers-Web technologies for application integration.	13
Unit III	Web Services: *Introduction – Emergence of web services: Background-Server-side Architecture progression - Client-side Architecture progression-Service-oriented Architecture and web services. Web Services Application Scenario: Background - Web services Hype and the industry -Web services and the industry acceptance.	13
Unit IV	Extensible Markup Language: *Background – History – XML - Validation of XML data - Advanced XML-Document Constraining. Simple Object Access Protocol: Background – SOAP - Interaction –Modeling – Encoding - Binding. Web services Description Language: Background - WSDL - Web service invocation and WSDL - Web services description details - Service Description through WSDL.	14
Unit V	Registries: Universal Description, Discovery and Integration- Background-UDDI – Nomenclature - Core UDDI - Service publication - Discovery. Remote Procedure Call and Messaging: Background-Synchronous Web services-Asynchronous web Services-Remote procedure call or messaging- *Case Study: Industry adoption	12
	Total Contact Hrs	65

Presentation, Seminar, Assignment, and Discussion

Books for study:

- ❖ Gustavo Alonso, Fabio Casati, Harumi kuno, Vijay Machiraju, (2009), “*Web Services Concepts, Architectures and Applications*”, Springer, First Reprint.
- ❖ B V Kumar, S V Subrahmanya, (2009), “*Web Services – An Introduction*”, Tata McGraw Hill Pub, Sixth Reprint.

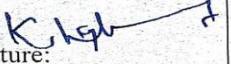
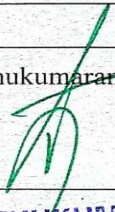
Books for Reference:

- ❖ Neil Jenkins, et al, (1996), “*Client/Server Unleashed*” Tec Media Publications, First Edition.
- ❖ Thomas Erl, (2008), “*Service Oriented Architecture Concepts, Technology and Design*”, Pearson Education, Second Impression.
- ❖ Thomas Erl, (2016), “*Service Oriented Architecture Analysis and Design for Services and Microservices*”, Prentice Hall, Second Edition.

Mapping

CO \ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M	H	M	H	H
CO2	L	S	H	H	M
CO3	M	M	M	M	H
CO4	L	H	M	H	S

S – Strong H – High M – Medium L - Low

Course Designed By	Verified by HOD	Checked By	Approved By
Name and Signature	Name with Signature	CDC	COE
Name: K.Vijayakumar Signature: 	Name: K.Vijayakumar Signature: 	Name: Dr. M. Durairaju Signature: 	Name: Dr.R.Muthukumar Signature: 

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Programme Code:	B.Sc.	Programme Title :	Bachelor of Information Technology	
Course Code:	19UIT311	Title:	Batch :	2019-2022
		Lab. IV – Web Designing (HTML, CSS, JavaScript & Angular)	Semester :	III
Hrs/Week:	4		Credits :	2

Course Objective

To know the various scripting programming concepts of HTML tags, Style sheets, Angular Modules, Controllers, Scopes, Filters, Services, Events, API, Routing and Animation and JavaScript.

Course Outcomes (CO)

K3	CO3	To deploy the various HTML tags and CSS for page design
K4	CO4	To analyze the various HTML tags and concepts of JavaScript programs.
K5	CO5	To create the various Angular applications.

Content	Hrs
SAMPLE PROGRAM LIST Test I HTML & CSS 1. Webpage creation using CSS. 2. Ordered List and Un-Ordered List. 3. Table Tags. 4. Frame creation. 5. Font Attributes. 6. Style sheets JavaScript 1. Program to Display Digital clock. 2. onClick and onChange Event. 3. onFocus Event and onSubmit Event. Test II JavaScript 4. onMouseOver and onMouseOut example 5. Displaying Date and Time. 6. createElement and createTextNode example. 7. Redirection using location object.	52

Angular 1. Program to create a modules & Controllers in a file. 2. Program to implement the scopes. 3. Program to apply filters. 4. Program to create services. 5. Programs to create simple tables. 6. Program to perform events. 7. Program to create a new form. 8. Program to validate the email username & password. 9. Program to implement API. 10. Program to implement routing. 11. Program to perform animation. 12. Program to create a simple application -I. 13. Program to create a simple application - II.	
Total Contact Hrs	52

Mapping

CO \ PSO	PSO	PS01	PS02	PS03	PS04	PS05
C03		M	M	H	H	H
C04		M	M	H	S	S
C05		M	M	H	S	S

Course Designed by	Verified by HOD	Checked by	Approved by
Name and Signature	Name and Signature	CDC	COE
Name: C. R. Durgadevi C-R-Durgadevi Signature:	Name: K. Vijayakumar K. Vijayakumar Signature:	Name: Dr. M. Durairaju Signature: 	Name: Dr. R. Muthukumaran Signature: 

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Programme Code:	B.Sc.	Programme Title:	Bachelor of Information Technology	
Course Code:	19UIT3N1	Title :	Batch:	2019-2022
		Skill Based Non-Major- I Social Networks	Semester:	III
Hrs/Week:	1		Credits:	2

Course Objective

To provide the overall view of various concepts of Social Networks such as history, classification of social media, services, pros and cons.

Course Outcomes

K1	CO1	To keep in mind basics of Social Networks
K2	CO2	To understand the classification of Social Media
K3	CO3	To deploy various social media platforms
K4	CO4	To analyze the types of social media.

Units	Content	Hrs
Unit I	Social Networks: Introduction – Definition - History	2
Unit II	Impact of social media - Privacy and Identity : Data Sharing and Safety	2
Unit III	Types of services – Platforms - Building and Strengthening of social media.	3
Unit IV	Spamming in social networks – social aspects- Design Issues	3
Unit V	Growing Constituency through Social Media – A glance at social media Do's and Don'ts.	3
	Total Contact Hrs	13

Presentations, Group discussions, Quiz, Assignments

Online Reference Materials

1. <https://www.usaid.gov/sites/default/files/documents/1866/SMGuide4CSO.pdf>
2. https://www.symantec.com/content/en/us/.../the_risks_of_social_networking.pdf
3. Course Material from INTERNET.

Mapping

CO \ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S	S	M	L	H
CO2	L	S	L	L	M
CO3	L	S	L	L	M
CO4	L	S	L	L	M

S – Strong H – High M – Medium L - Low

Course Designed by Name and Signature	Verified by HOD Name and Signature	Checked by CDC	Approved by COE
Name: C. R. Durgadevi <i>C.R.Durgadevi</i> Signature:	Name: K. Vijayakumar <i>K. Vijayakumar</i> Signature:	Name: Dr. M. Durairaju <i>Dr. M. Durairaju</i> Signature:	Name: Dr. R. Muthukumaran <i>Dr. R. Muthukumaran</i> Signature:

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Programme Code:	B.Sc.	Programme Title:	Bachelor of Information Technology	
Course Code:	19UIT4N3	Title	Batch:	2019-2022
		Skill Based Non-Major – II. Data Analytics	Semester:	IV
Hrs/Week:	1		Credits:	2

Course Objective

To bestow an understanding of various concepts of data analytics, tools, applications and career opportunities in the field of data analytics.

Course Outcomes

K1	CO1	To keep in mind the basic understanding of fundamentals of data analytics
K2	CO2	To understand the types of data analytics
K3	CO3	To apply the tools in various domain
K4	CO4	To identify career opportunities

Units	Content	Hrs
Unit I	Data analytics: Introduction – Importance - Types of analytics	2
Unit II	Common Terminologies - Tools and basic prerequisites	3
Unit III	Advanced Tools - Workflow	2
Unit IV	Applications: Industries – Business Functions	3
Unit V	Career in analytics: Data scientist - Life of a data scientist - become a data scientist - Technical skills - Career path in analytics.	3
	Total Contact Hrs	13

Presentations, Group discussions, Quiz, Assignments

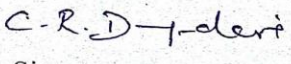
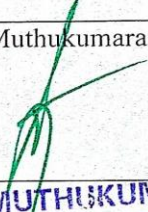
Online Course Materials:

- ❖ <https://data36.com/data-analytics-basics-intro/>
- ❖ <https://blog.k2datascience.com/the-basics-of-data-analytics-77e5cc7ea741>
- ❖ https://www.jigsawacademy.com/em/Beginners_Guide_to_Analytics.pdf

Mapping

CO \ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	L	M	M	H	H
CO2	S	M	S	M	M
CO3	M	M	M	M	L
CO4	S	H	H	S	S

S – Strong H – High M – Medium L – Low

Course Designed by Name and Signature	Verified by HOD Name and Signature	Checked by CDC	Approved by COE
Name: C. R. Durgadevi  Signature:	Name: K. Vijayakumar  Signature:	Name: Dr. M. Durairaju  Signature:	Name: Dr. R. Muthukumar  Signature:
K. VIJAYAKUMAR, MCA., M.Phil., Head, Dept. of Information Technology, NGM College (Autonomous), POLLACHI - 642 001.	Dr. M. DURAIRAJU, M.Sc., M.Phil., B.Ed., PGDGC, Ph.D. Associate Professor / Co-ordinator, Curriculum Development Cell (CDC) NGM College (Autonomous) Pollachi - 642 001.	Dr. R. MUTHUKUMARAN Controller of Examinations NGM College (Autonomous) POLLACHI - 642 001.	

Programme Code:	B.Sc.	Programme Title :	Bachelor of Information Technology	
Course Code:	19UIT5S1	Title:	Batch :	2019-2022
		Skill Based Major Elective Lab. I – Web Programming (Python)	Semester :	V
Hrs/Week:	2		Credits :	2

Course Objective

To know the various programming concepts of string handling, mathematical functions, control structure and files in Python language.

Course Outcomes (CO)

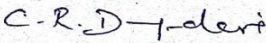
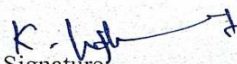
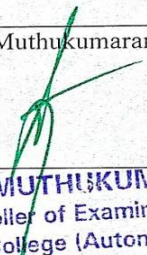
K3	CO3	To deploy the list and dictionary using control structures
K4	CO4	To analyze the various string functions
K5	CO5	To create files and handle its functions

Content	Hrs
SAMPLE PROGRAM LIST 1. Create a program to read a number n and print an inverted star pattern of the desired size. 2. Create a program to search the number of times a particular number occurs in a list. 3. Create a program to read a list of words and return the length of the longest one 4. Create a program to take a string and replace every blank space with a hyphen 5. Create a program to check if a given key exists in a dictionary or not 6. Create a program to check common letters in the two input strings 7. Create a program to reverse a string using recursion. 8. Create a program to read the contents of a file. 9. Create a program to find the area of a rectangle using classes. 10. Create a program to read a string from the user and appends it into a file.	26
Total Contact Hrs	26

Mapping

CO \ PSO	PSO	PS01	PS02	PS03	PS04	PS05
C03		M	M	H	H	H
C04		H	M	H	H	S
C05		M	M	H	S	S

S – Strong H – High M – Medium L – Low

Course Designed by	Verified by HOD	Checked by	Approved by
Name and Signature	Name and Signature	CDC	COE
Name: C. R. Durgadevi Signature: 	Name: K. Vijayakumar Signature: 	Name: Dr. M. Durairaju Signature: 	Name: Dr. R. Muthukumaran Signature: 

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Programme Code:	B.Sc.	Programme Title:	Bachelor of Information Technology	
Course Code:	19UIT6S3	Title	Batch:	2019-2022
		Skill Based Major Elective Lab. -II DTP software (CorelDraw)	Semester:	VI
Hrs/Week:	2		Credits:	2

Course Objective

To learn, apply and create various designing concepts of CorelDraw.

Course Outcomes

K3	CO1	To apply basic geometric tools for designing.
K4	CO2	To analyze various editing tools.
K5	CO3	To perform manipulation of images using filters and layers.

Content	Hrs
SAMPLE PROGRAM LIST 1. Draw the Basic geometric shapes using tools. 2. Draw different type of lines using line tools. 3. Create an image and manipulate it. 4. Perform Image extraction and merging of images 5. Animate text using Text tool. 6. Create a table then insert Data and highlight it. 7. Create image and insert Text on image. 8. Draw sunflower and apply editing tools. 9. Perform image Filter operations. 10. Creating layer and modify layer properties.	26
Total Contact Hrs	26

Mapping

CO \ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	L	M	S	H	H
CO2	L	H	S	H	M
CO3	L	S	S	M	M

S – Strong H – High M – Medium L – Low

Course Designed by	Verified by HOD	Checked by	Approved by
Name and Signature	Name and Signature	CDC	COE
Name: V. Prabavathi  Signature:	Name: K. Vijayakumar  Signature:	Name: Dr. M. Durairaju  Signature:	Name: Dr. R. Muthukumaran  Signature:
K.VIJAYAKUMAR , MCA, M.Phil., Head, Dept. of Information Technology, NGM College (Autonomous), POLLACHI - 642 001.	Dr. M. DURAIRAJU , M.Sc., M.Phil., B.Ed., PGDGC., Ph.D., Associate Professor / Co-ordinator, Curriculum Development Cell (CDC) NGM College (Autonomous) Pollachi - 642 001.		Dr. R.MUTHUKUMARAN Controller of Examinations NGM College (Autonomous) POLLACHI - 642 001.

Programme Code:	B.Sc.	Programme Title :	Bachelor of Information Technology	
Course Code:	19UIT6S4	Title:	Batch :	2019-2022
		Skill Based Major Elective Lab -II DTP software (Photoshop)	Semester :	VI
Hrs/Week:	2		Credits :	2

Course Objective

To learn, apply and create various editing techniques of Photoshop.

Course Outcomes (CO)

K3	CO3	To apply basic tools for designing photos.
K4	CO4	To analyze various editing tools.
K5	CO5	To perform manipulation of photos using filters and layers.

Content	Hrs
SAMPLE PROGRAM LIST 1. Perform Scanning and simple image editing. 2. Apply Colour change, image extraction and merging of images. 3. Create Smoothing of sharp edges. 4. Draw and Paint with Colors. 5. Placing a Photo inside Text. 6. Remove red eyes from a photo. 7. Apply Filters and layers. 8. Create a PDF-document from MS-Office-programs.	26
Total Contact Hrs	26

Mapping

CO \ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO3	M	L	H	H	H
CO4	L	M	H	H	H
CO5	H	M	H	H	H

S – Strong H – High M – Medium L - Low

Course Designed by	Verified by HOD	Checked by	Approved by
Name and Signature	Name and Signature	CDC	COE
Name: V. Prabavathi  Signature:	Name: K. Vijayakumar  Signature:	Name: Dr. M. Durairaju  Signature:	Name: Dr. R. Muthukumar  Signature:

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