

NALLAMUTHU GOUNDER MAHALINGAM COLLEGE (AUTONOMOUS)-POLLACHI

147	MSW	Livelihoods and Development	19PSW3E4	2019
148	MSW	Rehabilitation and After Care services	19PSW4E6	2019
149	MCA	Cloud Computing	19PMC639	2019
150	MCA	Online Certification	19PMC641	2019
151	MCA	Mobile Computing	19PMC640	2019
152	B.A. History	History of India upto 647 A.D	20UHY101	2020
153	B.A. History	History of India from 647 A.D to 1526 A.D	20UHY102	2020
154	B.A. History	History of India from 1707 A.D to 1857 A.D.	20UHY203	2020
155	B.A. History	Indian Administration	20UHY2A2	2020
156	B.A. History	History of India from 1858 A.D to 1947 A.D	20UHY305	2020
157	B.A. History	Journalism	20UHY4A4	2020
158	B.A. History	Introduction to Historiography	20UHY510	2020
159	B.A. History	Panchayt Raj in India	20UHY1A1	2020
160	B.A. English	CORE III :Prose	20UEL203	2020
161	B.A. English	CORE III: Creative Writing	20UEL306	2020
162	B.A.Economics	Core III: Micro Economics - I	20UEO101	2020
163	B.A.Economics	Core III: Indian Economics	20UEO102	2020
164	B.A.Economics	Core III: Micro Economics - II	20UEO203	2020
165	B.A.Economics	Core III: International Economics	20UEO204	2020
166	B.A.Economics	Core III: Agricultural and Rural Economics	20UEO2A2	2020
167	B.A.Economics	Core III: Economics of Development and Planning	20UEO306	2020
168	B.A.Economics	Core III: Banking law and practice	20UEO3A3	2020
169	B.A.Economics	NME: Advertising and Sales Promotion	20UEO3N1	2020
170	B.A.Economics	NME: Economics for Comprtitive Examinations/	20UEO3N2	2020
171	B.A.Economics	Core III: Mathematical Methods	20UEO408	2020

BOS
HIGHLIGHTED



S. RNO	Name of the members	Signature
1.	Dr. M. Raja Senathipathi (Chairman)	M. [Signature] 16/2/19
2.	Dr. M. Puriethavalli Professor Dept of computer science Applications, Bharathiar university Coimbatore - 46	M. [Signature] 16/2/19
3.	Dr. N. Sudha Associate professor Bishop Apparamy College of Arts & Science Coimbatore - 18	[Signature] 16/2/19
4.	Mr. S. Kalarajan Manager - Product Engineering Samsung Harman Chilz - India Land Keeranathkam - Saravananipatti Coimbatore	[Signature]
5.	Mr. V. Anwin Sai Q & A, Amazon development centre Taramani Chennai - 600113	[Signature]
6.	Dr. E. Ramesh	[Signature]
7.	Dr. S. Kiranmathi	[Signature]
8.	Dr. B. Azhagesudani	[Signature]
9.	Dr. M. Rathamani	[Signature]

16.2.19

Minutes

1. Passing the scheme and syllabus for the 2019-2022 (Regular) batch and the scheme and syllabus for the academic year (2019-2021) [lateral entry: Batch no: 29].
2. The following resolutions had been taken in the Expert Committee. There has been a excessive revamp in the papers as a part of the 4th and 5th semesters.

III semester

Code	Subject
19PMC316	O/S.
19PMC317	RMT
19PMC318	Java
19PMC319	Dot Net
19PMC320	OOAD with UML
19PMC321	Java Lab
19PMC322	Dot Net & CH Lab.
19PMC323	OOAD & UML Lab.

The Content for 19PMC318 has been revised.

IV semester

Code	Subject
19PMC424	Advanced Java (Instead of J2EE)
19PMC425	Computer Network
19PMC426	Data Mining
19PMC427	Information Security (E1)
19PMC428	S/W Testing (E2)
19PMC429	Advanced Java Lab. (Instead of J2EE Lab)

(P. 6-0)

19PMC 430

19PMC 431

Data Mining Lab.
Miniproject

JEE technologies nomenclature has been changed to Advanced Java and the excessive revamping has been done with the contents (Angular JS, HTML, HTML5, Responsive)

PHP & MySQL has been removed.
Data Mining with Big data has been introduced and the corresponding Lab has been circulated.

5th Semester

19PMC 532

19PMC 533

19PMC 534

19PMC 535

19PMC 536

19PMC 537

19PMC 538

Unix programming

AI & ML

Web programming

Python programming (E3)

UNIX Lab.

Web programming Lab.

python Lab.

Instead of Data Mining & Warehousing AI & ML has been incorporated and the concept of AI & ML has been implemented using Python.

6th Semester

19PMC 639

19PMC 640

19PMC 641

19PMC 642

Cloud computing

Mobile computing

Online certification

Project & viva

Instead of Big data management Cloud computing paper is introduced. Android programming's nomenclature is

Changed to Mobile Computing which includes
IoT, Android & IOS.

PGDCA

The syllabus for PGDCA has been
revamped in following papers.

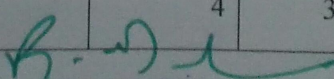
1. Programming in 'C' language
2. Operating system
3. Web Technology.
4. Documentation of Main Project.

- | | | |
|----|--------------------------------|-------------------------|
| 1. | M. Shree 16/12/19 | (M. RADASENATHAPATHY) |
| 2. | Xf Teedell 16/12/19 | (M. PUNITHAVALLI) |
| 3. | Soorj 16/12/19 | (N. SUDHA) |
| 4. | Kupis | (Natarajan, S) |
| 5. | Dr. ... | (Aswin Sasi, N) |
| 6. | Umdli | (Dr. E. Rama Devi) |
| 7. | Khiltu's | (Dr. S. Kirimath) |
| 8. | Ashu | (Dr. B. AZHAGU SUNDARI) |
| 9. | M. Rats | (Dr. M. RATHAMANI) |

SCHEME OF EXAMINATION

(FOR THE CANDIDATES ADMITTED FROM THE ACADEMIC YEAR 2019
ONWARDS)

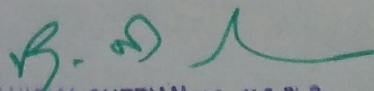
Course Code	Course Title	Lecture+ tutorial/ practical	Duration of Exam Hrs	Marks			Credit Points
				Internal	End of Semester	Total	
	Semester I						
19PMC101	Fundamentals of Programming languages and C	4	3	25	75	100	4
19PMC102	Data and File Structures	4	3	25	75	100	4
19PMC103	Digital Electronics and Computer System Architecture	4	3	25	75	100	4
19PMC104	Computer Oriented Numerical Methods	4	3	25	75	100	4
19PMC105	Internet and Web Designing	4	3	25	75	100	4
19PMC106	LAB-I C Programming	5	3	40	60	100	2
19PMC107	LAB-II Internet and Web Designing Lab	5	3	40	60	100	2
Semester Total				205	495	700	24
	Semester II						
19PMC208	Object Oriented Programming with C++	4	3	25	75	100	4
19PMC209	Relational Database Management system	4	3	25	75	100	4
19PMC210	Accounting and Financial Management	4	3	25	75	100	4
19PMC211	Visual Programming	4	3	25	75	100	4
19PMC212	Software Engineering	4	3	25	75	100	4


Dr. R. MANICKA CHEZIAN M.Sc., M.S., Ph.D.,
PRINCIPAL i/c

Nallamuthu Gounder Mahalingam College
P.O. Box 642 904, Colimbatore District

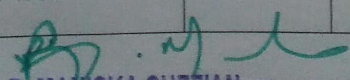
19PMC213	LAB – III C++ Lab	5	3	40	60	100	2
19PMC214	LAB- IV VB & Oracle Lab	5	3	40	60	100	2
19PMC215	Mini Project – 1			20	30	50	2
Semester Total				225	525	750	26

SEMESTER-III							
Subject Code	Subject Title	Lecture+ tutorial/ practical	Duration of Exam Hrs	Marks			Credit Points
				Internal	End of Semester	Total	
19PMC316	Operating Systems	4	3	25	75	100	4
19PMC317	Resource management Techniques	4	3	25	75	100	4
19PMC318	Java Programming	4	3	25	75	100	4
19PMC319	Dot Net Frameworks	4	3	25	75	100	4
19PMC320	Object oriented Analysis and Design with UML	4	3	25	75	100	4
19PMC321	Programming Lab – V Java Lab	4	3	40	60	100	2
19PMC322	Programming Lab – VI .Net & c# Lab	4	3	40	60	100	2
19PMC323	Programming Lab –VII OOAD & UML Lab	2	3	40	60	100	1
Semester Total				245	555	800	25


Dr. R. MANICKA CHEZIAN M.Sc., M.B., Ph.D.,
 PRINCIPAL i/c
 Nallamuthu Gounder Mahalingam College
 Pollachi - 642 001, Coimbatore District.

SEMESTER-IV							
Subject Code	Subject Title	Lecture+ tutorial/ practical	Duration of Exam Hrs	Marks			Credit Points
				Internal	End of Semester	Total	
19PMC424	AngularJS	4	3	25	75	100	4
19PMC425	Computer Networks	4	3	25	75	100	4
19PMC426	Data Mining	4	3	25	75	100	4
19PMC427	Elective – I Information Security	4	3	25	75	100	4
19PMC428	Elective – II Software Testing	4	3	25	75	100	4
19PMC429	Programming Lab – VIII Angular JS Lab	5	3	40	60	100	2
19PMC430	Programming Lab –IX Data Mining Lab	5	3	40	60	100	2
19PMC431	Mini Project - II			20	30	50	2
Semester Total				225	525	750	26

SEMESTER-V							
Course Code	Course Title	Lecture+ tutorial/ practical	Duration of Exam Hrs	Marks			Credit Points
				Internal	End of Semester	Total	
19PMC532	Unix Programming	4	3	25	75	100	4
19PMC533	Artificial Intelligence and Machine Learning	4	3	25	75	100	4
19PMC534	Web Programming	4	3	25	75	100	4
19PMC535	Elective – III Python Programming	4	3	25	75	100	4
19PMC536	Programming Lab– X Unix Programming Lab	4	3	40	60	100	2
19PMC537	Programming Lab – XI Web	4	3	40	60	100	2


Dr. R. MANICKA CHEZIAN M.Sc., M.S., Ph.D.,
 PRINCIPAL i/c
 Nallamuthu Gounder Mahalingam College
 Pollachi - 642 001, Coimbatore District.

	Programming Lab						
19PMC538	Programming Lab – XII Python Programming	2	3	40	60	100	1
Semester Total				220	480	700	21

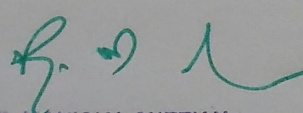
SEMESTER-VI							
Course Code	Course Title	Lecture+ tutorial/	Duration of Exam Hrs	Marks			Credit Points
				Internal	End of Semester	Total	
19PMC639	Cloud Computing	4	3	25	75	100	4
19PMC640	Elective IV – Mobile Computing	4	3	25	75	100	4
19PMC641	Online Certification			100		100	1
19PMC642	Project and Viva Voce			40	160	200	9
Semester Total				90	310	400	18
Grand Total				1210	2890	4100	140

Credits

4 Theory Hours = 4 Credits

5/4 Lab Hours = 2 Credits

3/2 Lab Hours = 1 Credit


Dr. R. MANICKA CHEZIAN M.Sc., M.S., Ph.D.,
 PRINCIPAL i/c
 Nallamuthu Gounder Mahalingam College
 Pollachi - 642 001, Coimbatore District.

Programme code:	MCA	Programme Title :	Master of Computer Applications	
Course Code:	19PMC639	Title	Batch :	2019
		Elective III:Cloud Computing	Semester	VI
Hrs/Week:	4		Credits:	04

Course Objective

- Analyze the components of cloud computing showing how business agility in an organization can be created
- Evaluate the deployment of web services from cloud architecture
- Critique the consistency of services deployed from a cloud architecture
- Compare and contrast the economic benefits delivered by various cloud models based on application requirements, economic constraints and business requirements.
- Critically analyze case studies to derive the best practice model to apply when developing and deploying cloud based applications

Course Outcomes (CO)

K1	CO1	To remember the powerful features of android
K2	CO2	To get the idea of Designing and developing User Interfaces for the Android platform.
K3	CO3	To implement and configure Android app development tools
K4	CO4	To analyze user interfaces for the android platform

Existing Syllabus

UNIT I

CLOUD COMPUTING FUNDAMENTALS - Cloud Computing definition, private, public and hybrid cloud. Cloud types; IaaS, PaaS, SaaS. Benefits and challenges of cloud computing, public vs private clouds, role of virtualization in enabling the cloud; Business Agility: Benefits and challenges to Cloud architecture. Application availability, performance, security and disaster recovery; next generation Cloud Applications.

CLOUD COMPUTING FUNDAMENTALS Cloud Computing definition, private, public and hybrid cloud. Cloud types; IaaS, PaaS, SaaS. Benefits and challenges of cloud computing, public vs private clouds, role of virtualization in enabling the cloud; Business Agility: Benefits and challenges to Cloud architecture. Application availability, performance, security and disaster recovery; next generation Cloud Applications.

UNIT II

CLOUD APPLICATIONS - Technologies and the processes required when deploying web services; Deploying a web service from inside and outside a cloud architecture, advantages and disadvantages

UNIT III

MANAGEMENT OF CLOUD SERVICES Reliability, availability and security of services deployed from the cloud. Performance and scalability of services, tools and technologies used to manage cloud services deployment; Cloud Economics : Cloud Computing infrastructures available for implementing cloud based services. Economics of choosing a Cloud platform for an organization, based on application requirements, economic constraints and business needs (e.g Amazon, Microsoft and Google, Salesforce.com, Ubuntu and Redhat)

UNIT IV

APPLICATION DEVELOPMENT Service creation environments to develop cloud based applications. Development environments for service development; Amazon, Azure, Google App.

UNIT V

CLOUD IT MODEL Analysis of Case Studies when deciding to adopt cloud computing architecture. How to decide if the cloud is right for your requirements. Cloud based service, applications and development platform deployment so as to improve the total cost of ownership (TCO)

Text Book:

1. Gautam Shroff, “Enterprise Cloud Computing Technology Architecture Applications”, Cambridge University Press; 1 edition, [ISBN: 978-0521137355], 2010.

References

1. Toby Velte, Anthony Velte, Robert Elsenpeter, “Cloud Computing, A Practical Approach” McGraw-Hill Osborne Media; 1 edition [ISBN: 0071626948], 2009.

2. Dimitris N. Chorafas, “Cloud Computing Strategies” CRC Press; 1 edition [ISBN: 1439834539],2010.

Mapping

PSO CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	M	H	M	H	S
CO2	H	M	M	M	H
CO3	H	M	M	H	M
CO4	M	H	H	H	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
Dr. M. Rathamani	Dr. M. Rajasenathipathi	Dr. M. Durairaju	Dr. R. Muthukumaran
Signature:	Signature:	Signature:	Signature:

Programme code:	MCA	Programme Title :	Master of Computer Applications	
Course Code:	19PMC640	Title	Batch :	2019
		Elective IV:Mobile Computing	Semester	VI
Hrs/Week:	4		Credits:	04

Course Objective

- To understand an expert knowledge in basics of Android Applications.
To Create Activity, Intent modules using android
- To familiarize developing mini projects using android

Course Outcomes (CO)

K1	CO1	To remember the powerful features of android
K2	CO2	To get the idea of Designing and developing User Interfaces for the Android platform.
K3	CO3	To implement and configure Android app development tools
K4	CO4	To analyze user interfaces for the android platform

Existing Syllabus

Unit-1

What is Android-History of Embedded device programming-Open handset alliance and android-Introduction to android-Downloading and installing eclipse-Downloading and installing the android SDK.

Unit-2

Exploring the android SDK-What is the android SDK-Application life cycle-Application: hello world – Creating your first android Projects in Eclipse-Examine the Android-created files.

Unit-3

Using the command-Line tools and the Android Emulator: Creating a Shell activity using the windows CLI-Creating the hello world!, Activity in the windows CLI. Using intents and the phone dialer: What are intents-Using the Dialer-Placing a call from your activity.

Unit-4

Lists, Menus, and Other Views: Building the Activities-Using the menu, using the cell phone's GPS Functionality: using the android Location-Based API-Reading the GPS with the Android Location-Based API.

Unit-5

Application: Find a Friend: Creating a SQLite Database-Creating a Custom Content Provider-Creating the FindA Friend Activity-Running FindA Friend Activity, Android SDK Tool Reference-Emulator commands-Debug Bridge Commands.

Books for Study:

- J.F.DiMarzio, “Android A Programmer’s Guide” ,Tata McGraw-Hill, 2nd Edition publication,2010,New Delhi.

Books for Reference:

- Jonathan Stark ,” Building Android Apps With HTML, CSS, And Javascript “, O'Reilly Media, 1 Edition ,September 27, 2010.
- Bill Phillips, Brian Hardy, “Android Programming: The Big Nerd Ranch Guide “, Big Nerd Ranch Guides; 1 Edition ,April 9, 2013.

Mapping

PSO CO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	S	M	S	L	M
CO2	M	L	H	M	L
CO3	L	M	M	S	M
CO4	M	M	H	H	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
Dr.M.Rathamani	Dr.M.Rajasenathipathi	Dr. M. Durairaju	Dr. R. Muthukumaran
Signature:	Signature:	Signature:	Signature:

Programme	MCA	Programme Title :	Master of Computer
-----------	-----	-------------------	--------------------

code:			Applications	
Course Code:	19PMC641	Title	Batch :	2019
		Online Certification	Semester	VI
Hrs/Week:		(Swayam/NPTEL/CISCO/SUN/Microsoft/RedHat etc..)	Credits:	1

Course Designed by	Verified by HoD	Checked by	Approved by
Name and Signature	Name and Signature	CDC	COE
Dr. M. Rathamani	Dr.M.Rajasenathipathi	Dr. M. Durairaju	Dr. R. Muthukumaran
Signature:	Signature:	Signature:	Signature: