MAR GREGORIOS COLLEGE OF ARTS & SCIENCE
Department of Computer Applications, Shift I
Add on Course – Python for the Academic Year 2018-2019

Course Duration: 48 hours

Course Objective:

To make students aware in latest development in Python Language, which will improvetheir placement opportunities in Leading IT companies

Course Syllabus

Introduction to Dynamic Programming Languages, I/O Statements in Python

INPUT, PRINT, FORMAT

Branching and Looping Statements

IF, ELSE, ELIF, NESTED IF VS LOGICAL AND, OR STATEMENTS

Enumerating loops

FOR, WHILE, NESTED FOR, STRING HANDLING, LOOPING STRINGS WITHOUT INDEX

Python Turtle Graphics PackageList and Tuples in python

LIST VS ARRAY, 2D LISTS, LEN, SUM, MIN, MAX, SORT, REVERSE, MUTABILITY, INDEX,COUNT, APPEND, EXTEND

Functions and Lambda Functions

FUNCTION INTRO, PARAMETERIZED FUNCTION, DEFAULT ARGUMENTS,TIC-TOC GAME DESIGN

Python GUI

TKINTER, GEOMETRY, COLOR, FONT, LABEL, BUTTON, ENTRY

File Handling

READ, WRITE, APPEND, TRANSFORM

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MAR GREGORIOS COLLEGE OF ARTS & SCIENCE

DEPARTMENT OF COMPUTER APPLICATIONS

Attendance for the Add on Course - Python

S. No.	CLASS	STUDENT NAME	SIGNATURE
1	III BCA	Bhuvanesh Kumar	
2	III BCA	Sunder A	
3	III BCA	Vignesh S	
4	III BCA	Bharath Alwin Raj	
5	III BCA	Vishnu R.V	
6	III BCA	Manikandan	
7	II BCA	Kannan	
8	II BCA	Tharun Kumar	
9	II BCA	Mythili	
10	II BCA	Madhumitha	
11	II BCA	Jasmine	
12	II BCA	Lekhashree	
13	II BCA	Yuvalakshmi	
14	I BCA	Vickey	
15	I BCA	Manoj	
16	I BCA	Kristen Kennedy	
17	I BCA	Aravind Rajan	
18	I BCA	Josiah Samuel	
19	I BCA	Antony Milen	
20	I BCA	Dhamim Ansari	
21	II B.Sc (C.Sc)	K. Vijay	
22	I B.Sc (C.Sc)	Joshuva	
23	I B.Sc (C.Sc)	Rajith	
24	I B.Sc (C.Sc)	Santhosh	
25	I B.Sc (C.Sc)	MuthuKumar	
26	I B.Sc (C.Sc)	Sivashankaran	
27	I B.Sc (C.Sc)	Parthasarathy	

PRINCIPAL

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S. No.	CLASS	STUDENT ~~SUBJECT~~ NAME	Signature
28	I B.Sc (C.Sc)	Venkatesh	
~~29~~	II B.Sc Maths	Sharuka M	
~~30~~	II B.Sc Maths	Divya E	
31			
32			
33			

MAR GREGORIOS COLLEGE OF ARTS & SCIENCE
DEPARTMENT OF COMPUTER APPLICATIONS

ADD ON COURSE – PYTHON

Memorandum of Understanding was established between Computer Application Department of MGC and ALB Computer Training Institute on 7th August 2018 for the Conduct of Add on Course Python from 13th August 2018. Around 40 students were joined and benefitted.

Initially a circular has been sent to all the students of shift I to enroll their names for add on course PYTHON. The course duration was 48 hours. Per day 2 hours class was conducted from 1.15pm to 3.15pm. The Course fee was Rs. 2500/- per student. Mr. Prahu and his team from ALB Computer Training Institute has come and taken classes for the students. It was conducted in the Computer Lab. The Department of Computer Application has taken initiatives. Students from other Departments were also participated in the course. At the end of the Course Examination was conducted and the certificate was distributed to the students those who completed the course. Around 30 students were completed the course successfully.

Head of the Department

Principal

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Syllabus

TallyACE

Fundamentals of Accounting

Maintaining Chart of Accounts in Tally.ERP 9

Maintaining Stock Keeping Units (SKU)

Recording Day-to-Day Transactions in Tally.ERP 9

Accounts Receivable and Payable Management

MIS Reports

Goods and Services Tax (GST)

Recording Vouchers with Tax Deducted at Source (TDS)

Tally Certifications

Basic	Advanced	Comprehensive
TallyACE	TallyPRO	TallyGURU
*Basics of Tally	GST using Tally	ACPFAT
*Financial Accounting using Tally	GCC VAT using Tally	
	CPFA	

**Available in Schools & Colleges only*

Overall Grade

Grade	Description
A+	>=75%
A	>=60% <75%
B	>=36% <60%
Not Pass	<36%

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MAR GREGORIOUS COLLEGE OF ARTS & SCIENCE

DEPARTMENT OF COMMERCE - SHIFT -I

ADD ON COURSE : TALLY DATE : 01/8/2019

ENROLLED STUDENT LIST

S.NO.	STUDENTS NAME	STUDENTS SIGNATURE
1.	V. NITHYA SHREE	V. Nithyashree
2.	SOUNDARA RAJAN. S	Soundara Rajan. S
3.	JOSHUA MARTIN. D	Joshua Martin. D
4.	U. VINOTH KUMAR	Vinoth Kumar. U
5.	R.VINOTH KUMAR	R. Vinoth Kumar
6.	MAHESH. B. S	B. S. Mahesh
7.	R. RAJESH	Rajesh. R
8.	S. NARENDIRAN	N. Narendiran
9.	SRINIVASAN. M	Srinivasan. M
10.	YUVARESH. T	Yuvaresh. T
11.	D. JAYA PRIYA	D. Jaya Priya
12.	RESHMA MARY RANJIT.	Reshma Mary Ranjit
13.	PRAVEEN. S	Praveen. S
14.	ROSHAN SHARMA. R	Roshan Sharma
15.	SUDHISH.R	Sudhish R
16.	RAKESH. R	RAKESH. R
17.	DINESH KUMA. R	Dinesh Kumar. R
18.	VISHNU. N	Vishnu. N
19.	JAYA KUMAR. A	Jaya Kumar A
20.	PRAVIN. M	Pravin. M
21.	THOMAS IGNATIUS. J	THOMAS Ignatius. J
22.	DHANUSH. S	Dhanush. S
23.	SUJITH. M	Sujith. M
24.	SARATH KUMAR. R	Sarath Kumar. R
25.	SATHISH KUMAR. J	Sathish Kumar J
26.	EBY JAMES	Eby James
27.	MARUDHUPANDI. A	Marudhupandi. A
28.	KHADUKA BAHADUR RANA	Khaduka Bahadur
29.	AJITH KUMAR. S	Ajith Kumar. S
30.	JEEVARAJ. G.K	Jeevaraj. G.K
31.	DILLI BABU. V	Dilli Babu. V
32.	JOSEVA BAZIL. A	Joseva Bazil. A
33.	VIGNESH. G	Vignesh. G
34.	NIVETHA.U	Nivetha. U
35.	SRIDEVI.S	Sridevi. S
36.	ELSA SUNNY	Sunny elsa

37.	DHARANI. T	
38.	CHRISTINA. J	
39.	YUGESHWARAN. G	
40.	YOGESH. M	
41.	THANIGAIVELU. B	
42.	AMEER KHAN. K	
43.	PRASANTH. B	
44.	MAHESH. B	
45.	SRINIVASAN. M	
46.	HARISH. S	
47.	KAAVYA. S	
48.	SANTHOSH KUMAR. R	
49.	SANGEETHA. R	
50.	AISHWARYA. T	

Mar Gregorios College of Arts & Science,
Department of Commerce (Shift-I)

Report of Tally Programme

1. On 3rd December, 2018, Commerce Department signed a MOU with Tally Solutions for "Tally Ace" an ADD-On Course. 69 students joined the Course. Our College Principal, Dr. K. Mohandoss and Mr. Meyyappan, Regional manager of Tally solutions signed the MOU. Vice Principas of Both the Shifts, Tally organizers and Co-Ordinator of Vetri Education were present.

2. On 22nd March, 2019, Tally Course Completion Certificate was distributed by Rev. Fr. Philip Pulipra, Secretary of the College in the Presence of Regional manager of Tally Solutions and Co-ordinator of Vetri Education.

3. Out of 69 students, 67 Students Passed the online test, One failed and one was absent

Features of Tally Course

a.	**Course Fees**	**:Rs.2,800 per each student**
b.	**Duration**	**: 60 hours**
c.	**Time Schedule**	**:1.30 p.m. to 3.30 p.m.**
d.	**Venue**	**:Vis.Com Lab**
e.	**Mode of Examination**	**: Online Test conducted by Tally Solutions**
f.	**Scope**	**: International Recognition for Tally Certificate**
g.	**Placement**	**: Campus drive for Tally students**

T. Balachandar,
Assistant Professor and head,
Department of Commerce,
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Principal
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MAR GREGORIOS COLLEGE OF ARTS & SCIENCE
DEPARTMENT OF ELECTRONICS & COMMUNICATION SCIENCE
ADD-ON COURSE

ARDUINO SYLLABUS

UNIT I Architecture Review of Arduino Uno Board I/O port Overview of Embedded Systems.--Selecting the Right Arduino Board for Project- The Mindset for Learning Arduino Fundamentals of Arduino Electronics-Understanding a Circuit Diagram-Software and Hardware Tools for Arduino .

UNIT II Embedded C Programming For Arduino Variables, Looping statements, Logical Operators, Mathematical operators, Programming with Arduino IDE, Compiling and Debugging using IDE

UNIT III Overview of Input/output (I/O) Interfaces Configuring the Input Sensors LEDs, Switches, Buzzers, and Display Devices Configuring the Output Devices (LEDs and electro-mechanic robotics) Programming Sensor-to-Output Device Control

UUNIT IV

Project: Automatic Light Adjustment System, Analog to Digital Conversion (ADC) ,Serial Communication and UART , sticks, motors and audio devices, Project: TBD, Testing and Debugging

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MAR GREGORIOS COLLEGE OF ARTS & SCIENCE

DEPARTMENT OF ELECTRONICS & COMMUNICATION SCIENCE

ARDUNIO ADD ON COURS ENROLLMENT LIST

S. NO.	REG. NUMBER	NAME OF THE CANDIDATE
1	221610597	M.DINESH
2	221610598	B.GANESH RAJ
3	221610599	JAYASURYA.B
4	221610600	JENISH KAVASKAR
5	221610601	M.D.JIJO JOSEPH
6	221610602	R.JOSHVA
7	221610604	P.PRAVEEN
8	221610605	A. RAJESH
9	221610606	A.SHEIK NAINA MOHAMMED
10	221610607	S.SREEJITH
11	221610608	UTTAR PRAKASH
12	221610609	M.VENUGOPAL
13	221610610	S. VIJAYAKUMAR
14	221610611	V.VIJAYA RAJ
15	221610612	D.YOGESH
16	221610614	V.NAGESHWARI
17	221610615	K.NISHA
18	221610616	S.POOMAGAL
19	221610617	P.SEETHALAKSHMI
20	221610618	K.VINOTHINI
21	221610619	A.AJITH KUMAR
22	221610620	GEORGE THOMAS
23	221610621	J.AKSHAY KUMAR
24	221610622	B.BRAHMESH
25	221610623	C.A.AKSHA

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MAR GREGORIOS COLLEGE OF ARTS & SCIENCE
Department of Electronics & Communication Science
ADD-ON COURSE REPORT

ADD-ON COURSE: "ARDUNIO"

Date / Duration: 42 hours from 25/02/2019 to 05/03/2019

Name of the Resource person: 3I Innovative Solution

Target Audience: 26 Students

Total no of regular Participants: 25 Students

OBJECTIVE OF THE EVENT:

To impart knowledge on • Hardware Architecture of Arduino • Programming Tools of Arduino • Design development process for Specific Applications

COURSE OUTCOMES: Upon the completion of the course students will be able to • Design and validate the interfacing of different Sensors with Arduino • Design hardware and software for specific application using Arduino

DESCRIPTION / REPORT ON EVENT:

The duration of the course "ARDUINO" was 42 hours from 25/02/2019 to 05/03/2019 .In this instructor-level , live training, participants learnt how to program the Arduino for real-world usage, such as to control lights, motors and motion detection sensors.. By the end of this training, participants will be able to: Program Arduino to control lights, motors, and other devices. Understand Arduino's architecture, including inputs and connectors for add-on devices. Add third-party components such as LCDs, accelerometers, gyroscopes, and GPS trackers to extend Arduino's functionality. Understand the various options in programming languages, from C to drag-and-drop languages. Test and debug, the Arduino to solve real world problems

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