

GOVERNMENT DEGREE COLLEGE

KHAIRATABAD, HYDERABAD -500004

DEPARTMENT OF COMPUTER SCIENCE AND
APPLICATIONS



Certificate Courses

A.Y:2018-19 to 2022-23

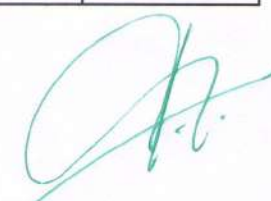
GOVERNMENT DEGREE COLLEGE, KHAIRATABAD

Department of Computer Science and Applications

Certificate Courses

A.Y: 2018-19 to 2022-23

Academic Year	Title of Certificate Course	Duration of course	Starting Date	Ending Date	Number of students enrolled	Total no. of students completed
2022-23	Advanced tools in Excel	15hrs	03.11.22	17.11.22	30	30
2021-22	R Programming	15hrs	09.05.22	25.05.22	30	30
2020-21	Ruby Programming	30 hrs	22.02.2021	22.03.2021	50	50
2019-20	MOOCS- Spoken Tutorials from 24.01.2020 to 17.04.2020.	30 hrs	24.01.2020	17.04.2020	262 (Different Courses)	262 (Different Courses)
2019-20	Ruby Programming	30 hrs	20.01.2020	29.02.2020	50	50
2018-19	Business Analytics & Programming	30 hrs	28.01.2019	08.03.2019	50	50



2018-19

Government Degree College

Khairatabad, Hyderabad

BUSINESS ANALYTICS & PROGRAMMING (30 days)

(Certificate Course in Computer Science & Applications for the academic year 2018-19)

UNIT-I:

Introduction: Database Management Systems – Definition, What is MySQL, Structured Query Language, Creating Table, Data Integrity, Creating constraints, Querying Database, Retrieving result sets, Functions and Joins, Sub Queries

UNIT-II:

Basics of SAS: Introduction to SAS, Installation of SAS university Edition, prerequisites for data analysis using SAS, SAS architecture, Data Types, formats and in formats, SAS coding- Data step and proc step, libraries, Importing external data, Reading and manipulating Data, functions, Data Transformations, Conditional Statements.

UNIT-III:

Python: Basics of Python, Data types – string, tuples, set, lists, dictionary, Arrays. Spyder and Documentation with Jupyter.

UNIT-IV:

R Programming: Basics of R, Vectors, Matrices, Data types, importing files, Writing files, Merging Files, Data Manipulation and Data Cleaning Functions

Reference Books:

1. R : Hands-on Programming; Garrett Grolemond, O' Reilly Media Publishers
2. Python : Mastering Python for Data Science; Samir Madhavan, Packt Publishing
3. SAS : The little SAS book; Lora D Delwiche, SAS Institute
4. MySQL : MYSQL in a nutshell; Russell Dyer, O' Reilly Media Publishers

Government Degree College

Khairatabad, Hyderabad

BUSINESS ANALYTICS & PROGRAMMING (30 days)

(Certificate Course in Computer Science & Applications for the academic year 2018-19)

Time: 60 min

Max. Marks: 40

Answer any four of the following questions

4*10M=40M

1. What is MySQL?
2. Explain how to create Table?
3. Write the SAS Datatypes?
4. What are the Conditional Statements?
5. Write about of Spyder and Documentation with Jupyter?
6. What are the Data Manipulation Functions?



GOVERNMENT DEGREE COLLEGE

KHAIRATABAD, HYDERABAD.

AFFILIATED TO OSMANIA UNIVERSITY
RE-ACCREDITED WITH 'B' GRADE BY NAAC



Certificate

This is to certify that _____ of _____
of _____ has successfully completed a certificate course on "**BUSINESS
ANALYTICS & PROGRAMMING**" of 30 days duration held from 28-01-2019 to 08-03-2019
conducted by the Department of Computer Science and Applications

Ms. G. Radhika
Convener

Dr. D.S.R. Rajender Singh
Principal

Certified Course Ruby Programming

2019-20

Fifteen (15) students have successfully completed Ruby Programming certificate course from 20.01.2020 to 29.01.2020

Government Degree College

Khairatabad, Hyderabad

RUBY PROGRAMMING (30 days)

(Certificate Course in Computer Science & Applications for the academic year 2019-20)

Unit – I

Ruby Basics –Interactive Ruby. Ruby Is Object-Oriented, Ruby's Reserved Words, Variables, Operators. The if Statement, The case Statement, The while Loop, The for loop. Strings – Creating Strings and its operations, Case Conversion, Managing Whitespace, and Regular Expressions. Math – Class Hierarchy and Included Modules, Converting Numbers, Basic Math Operations, Math Methods, Math Functions.

Unit – II

Arrays – Creating Arrays, Accessing Elements, Concatenation, Set Operations, Comparing Arrays, Changing Elements, Deleting Elements, Multidimensional Arrays. Hashes – Creating Hashes, Accessing Hashes, Iterating over Hashes, Changing Hashes. Classes – Defining the Class, Instance Variables, Accessors, Class Variables, Class Methods, and Inheritance, Modules, public, private, or protected.

Reference Books:

1. Jay McGavren, Head First Ruby: A Brain-Friendly Guide Peter Cooper,
2. Beginning Ruby From Novice to Professional David A. Black,
3. Ruby Programming (The Well-Grounded Rubyist) David Flanagan, Yukihiro Matsumoto,

Government Degree College

Khairatabad, Hyderabad

RUBY PROGRAMMING (30 days)

(Certificate Course in Computer Science & Applications for the academic year 2019-20)

Time: 60 min

Max. Marks: 40

Answer any four of the following questions

4*10M=40M

1. What are the Variables in Ruby?
2. Write about of Conversions?
3. Write about the Math functions?
4. Explain Arrays?
5. Write about Hashes?
6. Write about Access Modifiers?



GOVERNMENT DEGREE COLLEGE

KHAIRATABAD, HYDERABAD.

AFFILIATED TO OSMANIA UNIVERSITY

RE-ACCREDITED WITH 'B' GRADE BY NAAC



Certificate

This is to certify that _____ of _____
of _____ has successfully completed a certificate course on "*RUBY PROGRAMMING*" of 30 days duration held from 20-01-2020 to 29-02-2020 conducted by the
Department of Computer Science and Applications

Ms. G. Radhika
Convener

Dr. D.S.R. Rajender Singh
Principal

2019-2020

Government Degree College

Khairatabad, Hyderabad

SPOKEN TUTORIAL (MOOCS)

Two Hundred And Thirteen (213) students of All B.A, B.Com, B.Sc. students have successfully completed the following certificate courses from IIT Bombay through SpokenTutorial Project MOOCS program from 24.01.2020 to 17.04.2020.

S.No	Name of the Exam	Date	No. of Participants	Pass	Fail	Total
1	Introduction to Computers	24 Jan 2020 3:10 p.m.	59	54	5	118
2	C	25 Jan 2020 11 a.m.	36	33	3	72
3	Cpp	27 Jan 2020 10:30 a.m.	9	4	5	18
4	RDBMS PostgreSQL.	27 Jan 2020 noon	53	46	7	106
5	C	27 Jan 2020 2 p.m.	42	37	5	84
6	C	17 Feb 2020 1:20 p.m.	6	6	0	12
7	C	20 Feb 2020 noon	12	12	0	24
8	Introduction to Computers	20 Feb 2020 1 p.m.	2	1	1	4
9	Python 3.4.3	17 Apr 2020 9:30 a.m.	12	6	6	24
10	Cpp	17 Apr 2020 10 a.m.	31	14	17	62
Total			262	213	49	262





Certificate for Completion of Cpp Training

This is to certify that **KOTHMERU SONALI BENDRE** has successfully completed **Cpp** test organized at **Government Degree College, Khairatabad** by **CHANDANA N** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Kishor Kumar Chippa from **Government Degree College, Khairatabad** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

April 17th 2020


Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India

22651267JY



Certificate for Completion of Cpp Training

This is to certify that **CHILUVERU VIJAYKUMAR** has successfully completed **Cpp** test organized at **Government Degree College, Khairatabad** by **CHANDANA N** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

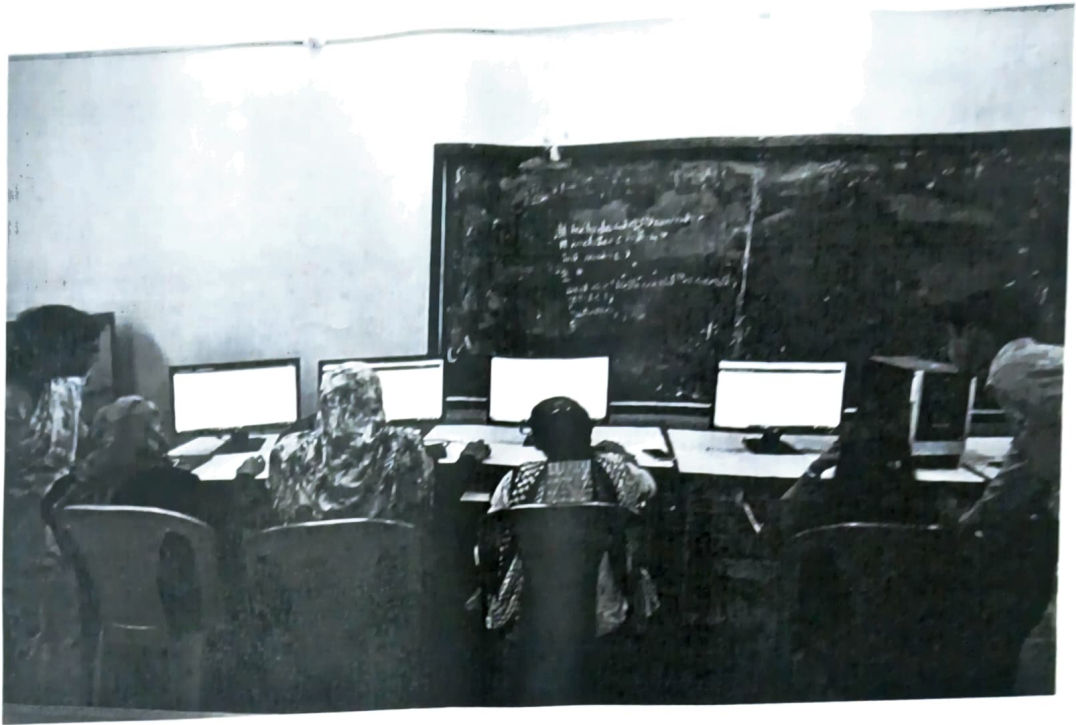
Kishor Kumar Chippa from **Government Degree College, Khairatabad** invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay.

April 17th 2020


Prof. Kannan M Moudgalya
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India

231912221J



Inviting students to participate in a semester-long internship programme [Click here to know more](#)



Spoken Tutorial

Software Training - Creation - News - Academics - About - Forums - Statistics -

gsharan@redhat.com

Search

Online Test

Sl. No.	Academic Code	Institution	Language	Date	Participants
1	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - C++	17-Apr-2021 10:41 AM	10
2	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - Python 3.8	17-Apr-2021 10:41 AM	10
3	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - C	17-Apr-2021 10:41 AM	10
4	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - Introduction to Computers	17-Apr-2021 10:41 AM	10
5	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - C	17-Apr-2021 10:41 AM	10
6	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - ROBOTICS using ROS	17-Apr-2021 10:41 AM	10
7	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - C++	17-Apr-2021 10:41 AM	10
8	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - C	17-Apr-2021 10:41 AM	10
9	713-20207	Government Degree College, K. J. Somaiya	CHANDARA - Introduction to Computers	17-Apr-2021 10:41 AM	10

FOSS/EE Project
Solid
eSOS (OSaaS)
Python
OpenFlow (OF2)

Artificial Intelligence
Co-Idea
Education Mission

Software Training
Contents for Training
Training Dashboard
Creation Dashboard

About Us
News

71,542,437 page loads
[Click here to view stats](#)



Government of Karnataka



Spoken Tutorial by IIT Bombay is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](#), except where stated otherwise. Based on a work at <https://spoken-tutorial.org>. Permissions beyond the scope of this license may be available at <https://spoken-tutorial.org>.



Spoken Tutorial

Certificate for Completion of Introduction to Computers Training

This is to certify that **GOPIGARI DURGAPRASADGOUD** has successfully completed **Introduction to Computers** test organized at **Government Degree College, Khairatabad** by **Radhika Reddy G** with course material provided by the Spoken Tutorial Project, IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **Kishor Kumar Chippa** at **Government Degree College, Khairatabad** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

January 24th 2020

A handwritten signature in black ink, appearing to read 'Kannan M Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay

Certificate Course (2018-19)
Business Analytics and Programming
BCOM III (GENERAL)
28.01.2019 to 08.03.2019



Certificate course (2019-20)
Ruby Programming
20.01.2020 to 29.02.2020
BSC (MPCS) III YEAR

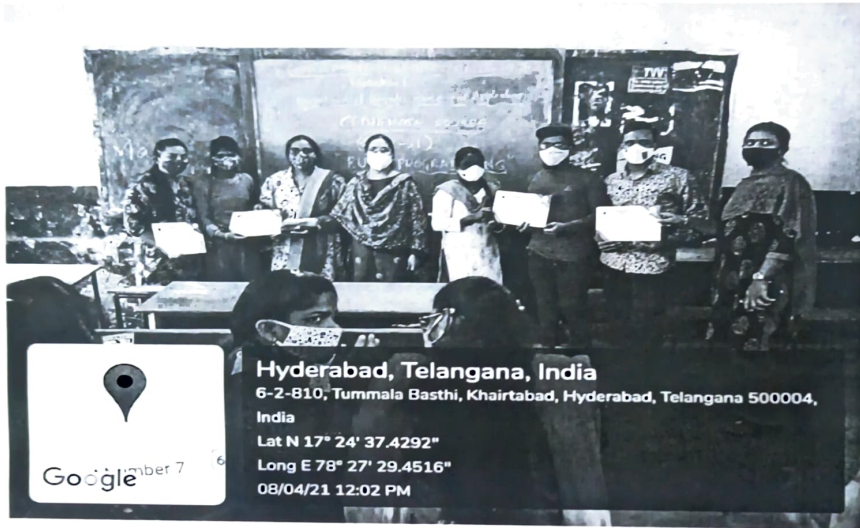


Certificate Course (2020-21)

Ruby Programming

BCOM III CA

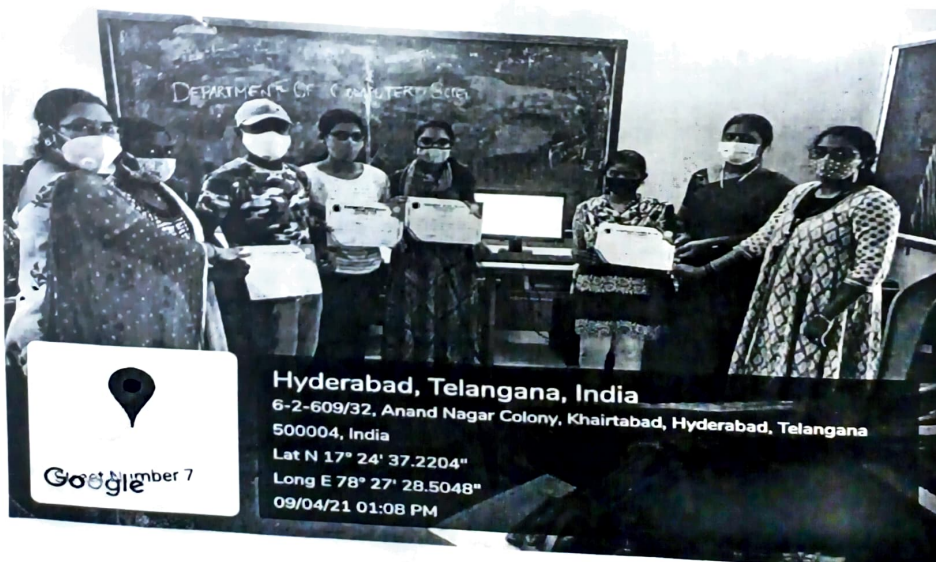
22.02.21 to 22.03.21



Ruby Programming

BSC (MPCS) III YEAR

22.02.21 to 22.03.21





Government Degree College Khairatabad, Hyderabad

Academic Year 2021-22

Record of Certificate course



**Department of Computer Science
& Applications**

GOVERNMENTDEGREECOLLEGE-KHAIRATABAD

Department of Computer Science and Applications Academic Year 2021-22

Department Meeting

Date: 27.04.2022

All the faculty members of the department have attended a meeting on 27.04.2022 in the department staff room Dr.S.Srinivasu, in-charge, department of Computer Science and Applications has presided the meeting. All other faculty members were present the meeting and following are the minutes discussed in the meeting.

Agenda

- To discuss on introduction of A **Certificate course on “R-Programming”**.
- To prepare syllabus for the certificate course
- To discuss any other matter, with the permission of the chair.

Discussions & Resolutions:

- All the participants of the meeting were thoroughly discussed the possibilities of introduction of the proposed certificate course in the department.
- Members also resolved unanimously resolved to start the course from 09.05.2022 to 25.05.2022.
- It was also resolved to circulate this information among all the students of non-computer and encourage them for good enrollment.
- And also resolved that not to collect any fee from the students for attending the course.
- All the department faculty are take classes of this certificate course.





GOVERNMENT DEGREE COLLEGE::KHAIRATABAD

Affiliated to Osmaniya University
Accredited by NAAC with B+ & ISO 9001 : 2015 Certified
(Khairatabad, Hyderabad District, Telangana State-500004)



A.Y.2021-22

Circular

Date: 02.05.2022

Department of Computer Science and Applications is going to organize **Certificate course in "R-Programming"** from **09.05.2022 to 25.05.2022.**

Interested staff members and students can enroll into this certificate course and further details contact the Department of Computer Science and Applications.


PRINCIPAL
GOVERNMENT DEGREE COLLEGE
KHAIRATABAD, HYDERABAD


GOVERNMENT DEGREE COLLEGE-KHAIRATABAD
Department of Computer Science and Applications
Academic Year 2021-22

“Certificate course in R Programming”
From **09.05.2022 to 25.05.2022**

Syllabus

1. **R – OVERVIEW:** Evolution of R, Features of R
2. **R – ENVIRONMENT SETUP:** Try it Option Online, Local Environment Setup.
3. **R – BASIC SYNTAX :**R Command Prompt, R Script File, Comments
4. **R – DATA TYPES:** Vectors, Lists, Matrices, Arrays, Factors, Data Frames
5. **R – VARIABLES:** Variable Assignment, Data Type of a Variable, Finding Variables, Deleting Variables
6. **R – OPERATORS:** Arithmetic Operators, Relational Operators, Logical Operators, Assignment Operators, Miscellaneous Operators.
7. **R – DECISION MAKING:**R - If Statement, R – If...Else Statement, The if...else if...else Statement ,R – Switch Statement
8. **R – LOOPS:**R - Repeat Loop, R - While Loop, R – For Loop, Loop Control Statements, R – Break Statement ,R – Next Statement.
9. **R – FUNCTION:** Function Definition, Function Components, Built-in Function, User-defined Function, Calling a Function, Lazy Evaluation of Function
10. **R – STRINGS:** Rules Applied in String Construction, String Manipulation
11. **R – VECTORS:** Vector Creation, Accessing Vector Elements, Vector Manipulation.
12. **R – LISTS:** Creating a List, Naming List Elements, Accessing List Elements, Manipulating List Element, Merging Lists, Converting List to Vector
13. **R – MATRICES:** Accessing Elements of a Matrix, Matrix Computations.
14. **R – ARRAYS:** Naming Columns and Rows, Accessing Array Elements, Manipulating Array Elements, Calculations Across Array Elements.
15. **R – FACTORS:** Factors in Data Frame, Changing the Order of Levels, Generating Factor Levels
16. **R – DATA FRAMES:** Extract Data from Data Frame, Expand Data Frame
17. **R – CSV FILES:** Getting and Setting the Working Directory, Input as CSV File, Reading a CSV File, Analyzing the CSV File, Writing into a CSV File.
18. **R – EXCEL FILE:**Install xlsx Package, Verify and Load the "xlsx" Package, Input as xlsx File, Reading the Excel File.
19. **R – BINARY FILES:** Writing the Binary File, Reading the Binary File
20. **R – DATABASES:** R MySQL Package, Connecting R to MySql, Querying the Tables, Query with Filter Clause, Updating Rows in the Tables, Inserting Data into the Tables, Creating Tables in MySql, Dropping Tables in MySql.



Milestones in R

A list of changes in R releases is maintained in various "news" files at CRAN.

Release	Date	Description
0.16		This is the last alpha version developed primarily by Ihaka and Gentleman. Much of the basic functionality from the "White Book" (see S history) was implemented. The mailing lists commenced on 1 April 1997.
0.49	1997-04-23	This is the oldest source release which is currently available on CRAN. CRAN is started on this date, with 3 mirrors that initially hosted 12 packages. Alpha versions of R for Microsoft Windows and the classic Mac OS are made available shortly after this version.
0.60	1997-12-05	R becomes an official part of the GNU Project . The code is hosted and maintained on CVS .
0.65.1	1999-10-07	First versions of <code>update.packages</code> and <code>install.packages</code> functions for downloading and installing packages from CRAN. ^[64]
1.0	2000-02-29	Considered by its developers stable enough for production use.
1.4	2001-12-19	S4 methods are introduced and the first version for Mac OS X is made available soon after.
1.8	2003-10-08	Introduced a flexible condition handling mechanism for signalling and handling condition objects.
2.0	2004-10-04	Introduced lazy loading , which enables fast loading of data with minimal expense of system memory.
2.1	2005-04-18	Support for UTF-8 encoding, and the beginnings of internationalization and localization for different languages.
2.6.2	2008-02-08	Last version to support Windows 95, 98, Me and NT 4.0
2.11	2010-04-22	Support for Windows 64-bit systems.
2.12.2	2011-02-25	Last version to support Windows 2000
2.13	2011-04-14	Adding a new compiler function that allows speeding up functions by converting them to bytecode .
2.14	2011-10-31	Added mandatory namespaces for packages. Added a new parallel package.
2.15	2012-03-30	New load balancing functions. Improved serialisation speed for long vectors.
3.0.0	2013-04-03	Support for numeric index values 2^{31} and larger on 64-bit systems.
3.3.3	2017-03-06	Last version to support Microsoft Windows XP.
3.4.0	2017-04-21	Just-in-time compilation (JIT) of functions and loops to byte-code enabled by default.
3.5.0	2018-04-23	Packages byte-compiled on installation by default. Compact internal representation of integer sequences. Added a new serialisation format to support compact internal representations.
3.6.0	2019-04-26	Improved sampling from a discrete uniform distribution, which was noticeably non-uniform on large populations. New serialisation format supported since 3.5.0 becomes the default.
4.0.0	2020-04-24	R now uses a <code>stringsAsFactors = FALSE</code> default, and hence by default no longer converts strings to factors in calls to <code>data.frame()</code> and <code>read.table()</code> . Reference counting is used for tracking object sharing, which reduces the need for copying objects. New syntax for raw string constants.
4.1.0	2021-05-18	Introduced <code> ></code> as the pipe operator for base R syntax (similar to the <code>%>%</code> operator of the <code>magrittr</code> package) and the anonymous function shortcut syntax <code>\(x) x+1</code>
4.2.0	2022-04-22	R uses UTF-8 as the native encoding on recent Windows systems. Support for 32-bit Windows builds has been dropped. Calling <code>if()</code> or <code>while()</code> with a condition of length greater than one is now an error.



GOVERNMENT DEGREE COLLEGE

KHAIRATABAD, Hyderabad- 500007



Certificate Course
on
R- Programming

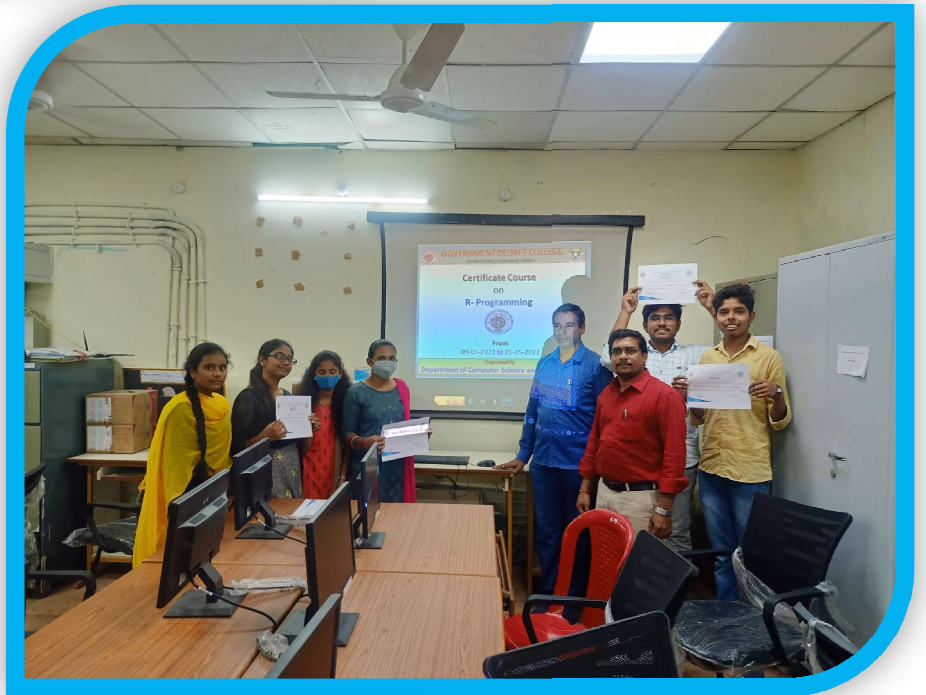


From
09-05-2022 to 25-05-2022

Organised By
Department of Computer Science and Applications



Ch.



Handwritten signature in green ink.

Government Degree College, Khairatabad, Hyderabad
Department of Computer Science and Applications
Certificate Course
A.Y:2021-22

R-PROGRAMMING
(Question Paper)

Time: 60 min

Max. Marks: 40

Answer any four of the following questions

4*10M=40M

1. What are Basic Syntaxes?
2. Write Decision making Statements?
3. Write Creation of List?
4. Explain Arrays?
5. Write about Factors?
6. Write about R Databases?





GOVERNMENT DEGREE COLLEGE, KHAIRATABAD, HYDERABAD
AFFILIATED TO OSMANIA UNIVERSITY
RE-ACCREDITED WITH 'B' GRADE BY NAAC



CERTIFICATE

This is to certify that _____

has successfully completed a certificate course on "R-Programming" of two weeks duration held from 09.05.2022 to 25.05.2022 conducted by the Department of Computer Science and Applications.

Dr. S. Srinivasu
CONVENER

Dr. B. Rajendra Kumar
PRINCIPAL



Government Degree College Khairatabad

Academic Year

2022-23

**Record of
Certificate course**



**Department of Computer Science
& Applications**

GOVERNMENTDEGREECOLLEGE-KHAIRATABAD

Department of Computer Science and Applications Academic Year 2022-23

Department Meeting

Date: 27.10.2022

All the faculty members of the department have attended a meeting on 27.10.2022 in the department staff room Dr.S.Srinivasu, in-charge, department of Computer Science and Applications has presided the meeting. All other faculty members were present the meeting and following are the minutes discussed in the meeting.

Agenda

- To discuss on introduction of a certificate course in “**A Certificate course - Advanced tools in Excel**”.
- To prepare syllabus for the same course
- To discuss any other matter, with the permission of the chair.

Discussions & Resolutions:

- All the participants of the meeting were thoroughly discussed the possibilities of introduction of the proposed certificate course in the department.
- Members also resolved unanimously resolved to start the course from **03.11.2022 to 17.11.2022**.
- It was also resolved to circulate this information among all the students of non-computer and encourage them for good enrollment.
- And also resolved that not to collect any fee from the students for attending the course.





GOVERNMENT DEGREE COLLEGE::KHAIRATABAD

Affiliated to Osmaniya University
Accredited by NAAC with B+ & ISO 9001 : 2015 Certified
(Kharatabad, Hyderabad District, Telangana State-500004)



A.Y.2022-23

Circular

Date: 28.10.2022

Department of Computer Science and Applications is going to organize
A Two week Training program/Certificate course in “Advanced tools in Excel” from
03.11.2022 to 17.11.2022.

Interested staff members and students can enroll into this certificate course
and further details contact the Department of Computer Science and Applications.

PRINCIPAL

TITLE OF THE PROGRAM	Two week training program cum Workshop on Advanced Tools in Excel
DATE OF THE EVENT	03.11.2022 to 17.11.2022
RESOURCE PERSONS	Faculty members of Department of Computers

OBJECTIVES OF THE PROGRAM:

After completion of the Advanced Excel course you will be able to:

Use advanced functions and productivity tools to assist in developing worksheets.

Manipulate data lists using Outline, Auto filter and PivotTables.

Use Consolidation to summaries and report results from multiple worksheets.

BRIEF DISCRPTION:

Microsoft Excel helps companies maximize the value of their data, helping to control costs more effectively and obtain business information. Easy data entry and operations: One of the main advantages of MS excel is that it facilitates smooth and easy data entry.

GOVERNMENT DEGREE COLLEGE-KHAIRATABAD

Department of Computer Science and Applications Academic Year 2022-23

“Certificate course - Advanced tools in Excel”.

From

03.11.2022 to 17.11.2022

SYLLABUS

Basics of computer

What is Computer, Basic Applications of Computer; Components of Computer System, Central Processing Unit (CPU), VDU, Keyboard and Mouse, Other input/output Devices, Computer Memory, **Concepts of Hardware and Software**; Concept of Computing, Connecting keyboard, mouse, monitor and printer to CPU and checking power supply.

MS Office

Basics of MS-Excel: Opening of Spread Sheet Addressing of Cells, Printing of Spread Sheet, Saving Workbooks, Manipulation of Cells, Entering Text, Numbers and Dates .Creating Text, Number and Date Series, Editing Worksheet Data, Inserting and Deleting Rows, Column, Changing Cell Height and Width Formulas and Function, Using Formulas, function.

Advanced tools in Excel

Filters, VLOOKUP, Sum Function, MAX MIN function, IF Function, IF(Criteria, True, False value), SUMIF Function, COUNTIF Function, AND Function, OR function, LEFT Function, RIGHT Function, CONCATENATION Function, ROUND Function, PROPER Function, NOW Function, Change the case, TRIM , Customized MAX MIN, Choose(), REPT(), TYPE(), Time functions like WEEKNUM(), WORKDAY(), NETWORKDAYS(), YEARFRAC(), EDATE() and some Mathematical functions

Excel – Chart Recommendations: Change in Charts Group, Chart Recommendations, Fine Tune Charts Quickly, Select / De-select Chart Elements, Format Style, Format Color8, Filter Data being displayed on the Chart

Excel – Chart Design: Ribbon of Chart Tools, Quick Layout, Change Colors, Chart Styles, Switch Row / Column, Select Data, Change Chart Type, Move Chart

Excel – New Functions: Functions by Category New Functions in Excel 2013, User Defined Functions in Add-ins, Web Functions

Excel – PivotTable Recommendations: Create a PivotTable to analyze external data, Connect to a new external data source, Using the Field List option, PivotTables based on Multiple Tables

Excel – Pivot Table Tools: Source Data for a PivotTable, Change to a Different External Data Source, Delete a PivotTable, Using the Timeline, Use a Timeline to Filter by Time Period, Create a Standalone PivotChart

Excel – Workbook Analysis: Diagram, Workbook Relationship, Worksheet Relationship, Cell Relationship, Clean Excess Cell Formatting

Excel – Visualizations : Create Charts and other Visualizations, Visualization – Matrix, Visualization – Card, Visualization – Charts

Government Degree College, Khairatabad, Hyderabad

Department of Computer Science and Applications

Certificate Course, A.Y:2022-23

Advanced tools in Excel

Question Paper

Time: 60 min

Max. Marks: 40

Answer any four of the following questions

4*10M=40M

1. What are the steps for creating a charts group?
2. Write the functions in excel?
3. How to create a Pivot Table?
4. What is Visualizations?
5. Write about Chart Designs?
6. Write about Workbook Analysis?

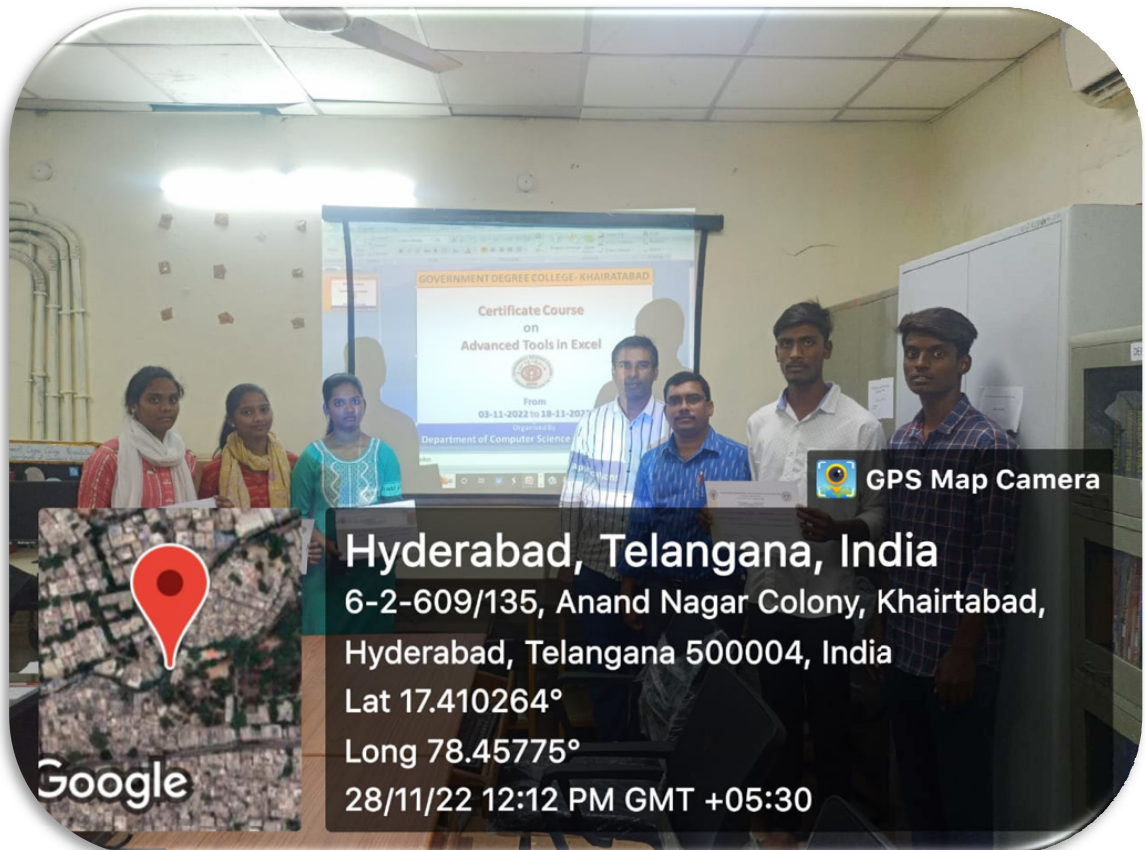
GOVERNMENT DEGREE COLLEGE- KHAIRATABAD

Certificate Course
on
Advanced Tools in Excel



From
03-11-2022 to 18-11-2022

Organised By
Department of Computer Science and Applications

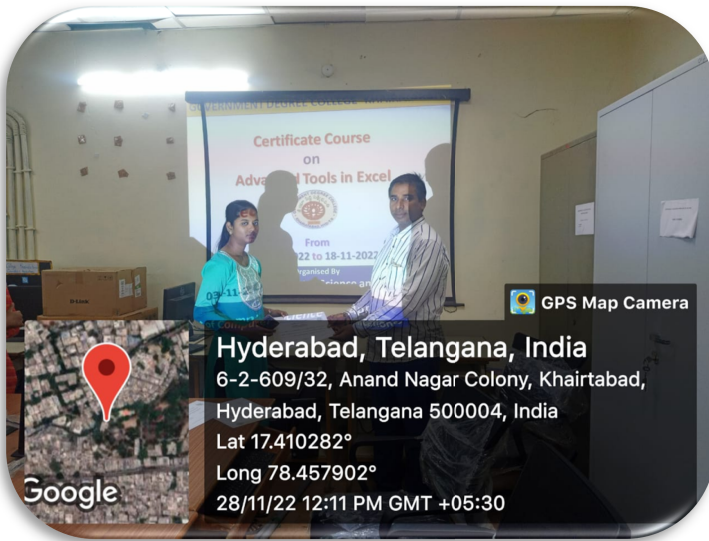




Hyderabad, Telangana, India
6-2-609/32, Anand Nagar Colony, Khairtabad,
Hyderabad, Telangana 500004, India
Lat 17.410284°
Long 78.457903°
28/11/22 12:10 PM GMT +05:30



Hyderabad, Telangana, India
6-2-609/32, Anand Nagar Colony, Khairtabad,
Hyderabad, Telangana 500004, India
Lat 17.410284°
Long 78.457903°
28/11/22 12:10 PM GMT +05:30



Hyderabad, Telangana, India
6-2-609/32, Anand Nagar Colony, Khairtabad,
Hyderabad, Telangana 500004, India
Lat 17.410282°
Long 78.457902°
28/11/22 12:11 PM GMT +05:30



Hyderabad, Telangana, India
6-2-609/135, Anand Nagar Colony, Khairtabad,
Hyderabad, Telangana 500004, India
Lat 17.410264°
Long 78.457775°
28/11/22 12:12 PM GMT +05:30



Hyderabad, Telangana, India
6-2-609/32, Anand Nagar Colony, Khairtabad,
Hyderabad, Telangana 500004, India
Lat 17.410284°
Long 78.457903°
28/11/22 12:11 PM GMT +05:30



Hyderabad, Telangana, India
6-2-609/32, Anand Nagar Colony, Khairtabad,
Hyderabad, Telangana 500004, India
Lat 17.410294°
Long 78.457888°
28/11/22 12:13 PM GMT +05:30



GOVERNMENT DEGREE COLLEGE, KHAIRATABAD, HYDERABAD

AFFILIATED TO OSMANIA UNIVERSITY

Re-accredited with 'B+' grade by NAAC

CERTIFICATE



This is to certify that _____ has

successfully completed a certificate course on "*Advanced tools in Excel*" of two weeks duration held from

03.11.2022 to 17.11.2022 conducted by the Department of Computer Science and Applications.

G. Radhika & Jagadeeshwar.P

ORGANIZERS

Dr. S.Srinivasu

CONVENER

Dr. B. Rajendra Kumar

PRINCIPAL