

KAKATIYA GOVERNMENT COLLEGE,HANUMAKONDA

Department of Computer Science and Applications

2020-21

CERTIFICATE COURSE

The greatest asset that any organization has is its people. Yet highly skilled technical talent in many fields is still scarce. Certificate courses try to play a role in assisting both organizations and individuals in the cultivation and recognition of professionals. It is essential in any professional endeavor to gain, maintain and document credible professional experience.

➤ Enroll in the program

Certificate courses will review your experience, register you for the appropriate course(s) and you will select the course times that best fit your needs. Additionally, courses can be taken on-line or on-site.

➤ Attend the course and take the exam

When you attend your first course, you have the opportunity to take your Professional Certification Exam. Immediately after the completion of the course. The exam tests your comprehension of each course objective and sub-objective, and your ability to apply the knowledge and skills you've acquired. Receive your exam results and Certification Certificate.

| 1.2.2 Number of Add on /Certificate programs offered during the last five years (10) | | | | | | |
|--|-----------------------------|--------------------------|--|---------------------------|--|---|
| 1.2.3 Average percentage of students enrolled in Add-on/Certificate programs as against the total number of students during the last five years (10) | | | | | | |
| Certificate Course - 2020 - 2021 | | | | | | |
| Name of Add on /Certificate programs offered | Course Code (if any) | Year of offering | No. of times offered during the same year | Duration of course | Number of students enrolled in the year | Number of Students completing the course in the year |
| Python Programming | CC1 | 01-03-2021 to 25-03-2021 | | 21 Days | 60 | 60 |
| Office Automation | CC2 | 08-03-2021 to 05-04-2021 | | 21 Days | 100 | 100 |
| LibreOffice Suite Base -Spoken Tutorial E-Tutor- FOSS (Free and Open Source Software) – MOOC(Online)- IIT Bombay Certification - B.Sc. (B.Z.Cs.) | SP1 | 02-01-2021 | | 3 Months | 74 | 74 |
| C and Cpp -Spoken Tutorial E-Tutor- FOSS (Free and Open Source Software) – MOOC(Online)- IIT Bombay Certification - B.Sc. (M.P.Cs.) | SP2 | 02-01-2021 | | 3 Months | 78 | 78 |
| Learn about PHP -Spoken Tutorial E-Tutor- FOSS (Free and Open Source Software) – MOOC(Online)- IIT Bombay Certification - B.Sc. (M.St.Cs.) | SP3 | 02-01-2021 | | 3 Months | 71 | 71 |
| My Structured Query Language -Spoken Tutorial E-Tutor- FOSS (Free and Open Source Software) – MOOC(Online)- IIT Bombay Certification - B.Sc. (M.St.DS.) | SP4 | 02-01-2021 | | 3 Months | 12 | 12 |

| | | | | | | |
|---|-----|------------|--|----------|-----|-------------|
| Fundamental Concepts of Libre Software -Spoken Tutorial E-Tutor- FOSS (Free and Open Source Software) – MOOC(Online)- IIT Bombay Certification - B.Com (CAP) | SP5 | 02-01-2021 | | 3 Months | 206 | 206 |
| Introduction to Computers -Spoken Tutorial E-Tutor- FOSS (Free and Open Source Software) – MOOC(Online)- IIT Bombay Certification - B.Sc.(B.Z.C.) & B.Sc.(B.Z.Cs.) | SP6 | 02-01-2021 | | 3 Months | 211 | 211 |
| Advanced Cpp -Spoken Tutorial E-Tutor- FOSS (Free and Open Source Software) – MOOC(Online)- IIT Bombay Certification - - B.Sc. (M.P.Cs.) & B.Sc(M.St.Cs.) | SP7 | 02-01-2021 | | 3 Months | 216 | 216 |
| | | | | | | 1028 |

COURSE NAME & CODE: PYTHON PROGRAMMING – CC1

| S. No. | Nature of the Activity | Title of the Activity | Resource Persons | Duration | No. of Participants |
|--------|------------------------|-----------------------|---|--|---------------------|
| 1 | Certificate Course | Python Programming | Dr. D. Suresh Babu T. Ragotham Reddy M. Ramanakar | 01.03.2021 to 25.03.2021 (21 Days) – (30hrs) | 60 |

OBJECTIVE : Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. Python provides a better structure and support for large programs than shell scripting. Support for functional and structured programming methods as well as OOP. It can be used as a scripting language or can be compiled to byte-code for building large applications.

Goal is to

- ❖ Master the students to learn fundamentals of writing Python scripts
- ❖ Learn core Python scripting elements such as variables and flow control structures
- ❖ Write Python functions to facilitate code reuse
- ❖ Use Python to read and write files
- ❖ Make their code robust by handling errors and exceptions properly
- ❖ Explore Python's object-oriented features
- ❖ Search text using regular expressions



CLASS NAME : B.Sc & B.Com IIIYear

SYLLABUS : **PYTHON PROGRAMMING**

Introduction: Python Interpreter and Interactive Mode– Variables and Identifiers – Arithmetic Operators – Values and Types – Statements, Reading Input, Print Output, Type Conversions, The type() Function and Is Operator.

Flow Control: The if, The if...else, The if...elseif...else Decision Control Statements, Nested if Statement, The while Loop, The for Loop, The continue and break Statements.

Functions: Built-In Functions, Commonly Used Modules, Function Definition and Calling the Function, The return Statement and void Function, Scope and Lifetime of Variables, Default Parameters, Keyword Arguments, *args and **kwargs, Command Line Arguments.

Strings: Creating and Storing Strings, Basic String Operations, Accessing Characters in String by Index Number, String Slicing and Joining, String Methods, Formatting Strings.

Lists: list operations, list slices, list methods, list loop, mutability, aliasing, cloning lists, list Parameters;

Tuples: tuple assignment, tuple as return value; Dictionaries: operations and methods; advanced list processing - list comprehension; Illustrative programs: selection sort, insertion sort, mergesort, histogram.

Files and exception: text files, reading and writing files, format operator; command line arguments, errors and exceptions, handling exceptions, modules, packages; Illustrative programs: word count, copy file.



Feed back :



KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA

CERTIFICATE COURSE

FEEDBACK FORM

Course Title: Python Programming

Date: 24-03-2024

Please fill the short questionnaire to make the course better.

- 1) Were objectives of the course clear to you? Y 4 / N -
- 2) The course contents met with your expectations
1. Strongly disagree 2. Average 3. Good 4. Strongly agree 3
- 3) The lecture sequence was well planned
1. Strongly disagree 2. Average 3. Good 4. Strongly agree 3
- 4) The contents were illustrated with
1. Strongly disagree 2. Average 3. Good 4. Strongly agree 2
- 5) The course exposed you to new knowledge and practices
1. Strongly disagree 2. Average 3. Good 4. Strongly agree 4
- 6) The course material handed out was adequate
1. Strongly disagree 2. Average 3. Good 4. Strongly agree 3



KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA

CERTIFICATE COURSE

FEEDBACK FORM

Course Title: Python Programming

Date: 24-03-2021

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Certificate :



KAKATIYA GOVERNMENT COLLEGE
HANAMKONDA, WARANGAL
(Affiliated to Kakatiya University, Warangal
Accredited with 'A' grade by NAAC)

Department of Computer Science

CERTIFICATE

This is to certify that Mr/Ms _____ has successfully completed "Python Programming" course conducted by the department of Computer Science during 01-03-2021 to 25-03-2021 and secured _____ grade.

Dr D. Suresh Babu
Co-ordinator

Dr P. Indira Devi
Principal

SPOKEN TUTORIAL ONLINE COURSES

All of this means that students, from working professionals to recent high school graduates, find many reasons to take all or some of their courses online. The following list includes 10 advantages to online learning.

Variety of Programs and Courses:

From traditional four-year universities to completely online career colleges, higher education today offers a variety of options for students. This means that no matter what students study, from nursing to neuroscience, they can find the courses or programs they need online. Students can also earn every academic degree online, from a career certificate to a doctorate.

Lower Total Costs:

Online programs prove a more affordable option than traditional colleges. Though not all online degrees offer less expensive net tuition prices than traditional colleges, associated expenses almost always cost less. For example, there are no commuting costs, and sometimes required course materials, such as textbooks, are available online at no cost. In addition, many colleges and universities accept credits earned via free massive open online courses (MOOCs), the most recent advance in online education. These free online courses can help students fulfill general education requirements.

More Comfortable Learning Environment:

Commercials that feature online students studying in their pajamas only skims the surface of one of the benefits of online education: no physical class sessions. Students listen to lectures and complete assignments sent to them electronically, with no need to fight traffic, leave work early for class, or miss important family time.

Convenience and Flexibility:

Online courses give students the opportunity to plan study time around the rest of their day, instead of the other way around. Students can study and work at their convenience. Course material is always accessible online, making special library trips unnecessary. All of these benefits help students balance work and family commitments with their education.

More Interaction and Greater Ability to Concentrate:

While contradictory evidence about the rate of online student participation versus participation in traditional courses exists, one thing remains certain: Online courses offer shy or more reticent students the opportunity to participate in class discussions more easily than face-to-face class sessions. Some students even report better concentration in online classes due to the lack of classroom activity.

Career Advancement:

Students can take online courses and even complete entire degrees while working, while in-between jobs, or while taking time to raise a family. This academic work will explain any discontinuity or gaps in a resume as well. Also, earning a degree can show ambitiousness to prospective employers and a desire to remain informed and prepared for new challenges.

Continue In Your Profession:

Even if someone wants to complete a degree, it may not mean they want to leave their current job. For most students today, increasing college costs mandate that some students continue working while in school. The previously mentioned flexibility of online programs enable students to keep working while also pursuing academic credentials.

Avoid Commuting:

During snowstorms and thunderstorms, colleges may cancel classes to avoid putting commuting students at risk of dangerous driving conditions. Rather than miss important class sessions, students in online courses can always “attend” by participating in discussion boards or chat sessions, turning in their work on time, and watching lectures or reading materials. Many students also find substantial savings on fuel costs with no commute for classes.

Improve Your Technical Skills:

Even the most basic online course requires the development of new computer skills, as students learn to navigate different learning management systems (LMS) and programs. The participation skills students learn within their online courses translate to many professions, including creating and sharing documents, incorporating audio/video materials into assignments, completing online training sessions, etc. Some schools even offer students free laptops or iPads.

Transfer Credits:

For college students who want to attend summer classes, but live too far from their colleges and/or work summer jobs, taking online classes from an accredited college and transferring the credits to their primary college can be beneficial. Students can earn college credit while still enjoying their summer vacation or fulfilling the responsibilities of their seasonal employment. Similarly, if a college or university does not offer enough open sections of a required course, students can take the course online at another college and transfer the credits.

Students in online programs can effectively manage their time, learn the materials, and complete assignments on their own schedules to name just a few benefits of online learning.

- IIT Bombay Has Entered MOU With Government of Telangana State and Offered Online Training Program to Enhance The Student Ability In Various Courses Like C, C++, Java, My Sql, Libre Office and Php, for both UG and PG Students.
- As per the instruction of IIT Bombay, We successfully registered students, conducted trainings then students received online certificates by passing the online examination conducted by IIT Bombay.



Monitoring Tracker Sheet for introducing Spoken Tutorial Software Training Courses in TSKCs/Degree Colleges

| S.No. | Major Streams | Branches/ Depts. | Spoken Tutorial Courses | | |
|-------|---------------|--|---|---|--|
| | | | 1 st Year | 2 nd Year | 3 rd Year |
| 1. | B.Sc. | Computer Science Combinations | Linux, Firefox, LibreOffice, C Language | LibreOffice, BASH, C++, Java | PHP-MySQL, Netbeans, Python, PERL, RUBY |
| 2. | B.Sc. | Electronics Combinations | Linux, Firefox, LibreOffice | LibreOffice, FreeEDA, Scilab | |
| 3. | B.Sc. | Maths / Statistics Combinations | Linux, Firefox, LibreOffice | LibreOffice, Scilab, C++ | LaTeX, C Language (for Statistics elective) |
| 4. | B.Sc. | Chemistry Combinations | Linux, Firefox, LibreOffice | LibreOffice, Gchempaint, JMOL Application, Ascend | |
| 5. | B.Sc. | Botany / Zoology Combinations | Linux, Firefox, LibreOffice | LibreOffice, Gchempaint, JMOL Application | Cell Designer |
| 6. | B.Sc. | Biochemistry/ Biotechnology/ Genetics Combinations | Linux, Firefox, LibreOffice | LibreOffice, Gchempaint, JMOL Application | BioPython |
| 7. | B.Sc. | Geography / Geology Combinations | Linux, Firefox, LibreOffice | LibreOffice, Scilab | GIMP |

| | | | | | |
|------------|---------------|--|--------------------------------|--|----------------------------|
| 8. | B.A. | Fine Arts | Linux, Firefox, LibreOffice | LibreOffice, GIMP, Inkscape | Blender |
| 9. | B.A. | All Groups | Linux, Firefox, LibreOffice | LibreOffice, BOSS Linux | |
| 10. | B.Com. | Gen/CA | Linux, Firefox, LibreOffice | LibreOffice, PHPMySQL | Java (Only for B.Com., IT) |
| 11. | M.Sc. | Physical Sciences (Physics, Chemistry, etc.) | Linux, Firefox, LibreOffice | LibreOffice, Scilab, LaTeX | |
| 12. | M.Sc. | Life Sciences (Botany, Zoology, etc.) | Linux, Firefox, LibreOffice | LibreOffice, Gchempaint, JMOL Application, LaTeX | |
| 13. | M.Com. | | Linux, Firefox, LibreOffice | LibreOffice, PHPMySQL | |

Note:

1. LibreOffice is for both 1st year and 2nd year in 2016-17. In future we will restrict to 1st year only
2. Colleges can opt for additional courses also



Memorandum of Agreement
between
Commissionerate of Collegiate Education,
Government of Telangana
&
Spoken Tutorial Project
IIT Bombay



Memorandum of Agreement

This Memorandum of Agreement is made between

Commissionerate of Collegiate Education, Telangana (CCETS)

and

Spoken Tutorial Project, IIT Bombay (ST- IIT Bombay)

The *Commissionerate of Collegiate Education* is created to promote quality education, giving special attention to the areas located in backward and rural areas. It also strengthens the women education at undergraduate level and works towards educational opportunities for weaker sections of the society.

The Spoken Tutorial project developed by IIT Bombay for MHRD, Government of India is the initiative of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India. The uses of spoken tutorial is to advocate and popularize numerous Open Source software and their utilization.

Spoken tutorial project intends to provide opportunity to conduct software training from ST-IIT Bombay to all the Government Degree Colleges (GDCs) in Telangana state. As the programme is funded by the National Mission on Education through ICT, MHRD, Government of India it charges a nominal annual User Fee of Rs.25000/year/college. The program will provide the following benefits to the students of GDCs under purview of CCETS-

1. Students and Teachers receive hands on training through a particular FOSS (Free and Open Source Software) like Linux, Scilab, LaTeX, PHP & MySQL, Java, C/C++, Libre Office etc. The students who complete the required training hours will be awarded Certificates by Spoken Tutorial Project, IIT Bombay.
2. The training enhances IT, Software skills and employability for the students and any number of students and faculty can take any number of courses and Certificates in a year with User Fee of Rs. 25000/year/college.

The Commissionerate of Collegiate Education (CCE), Telangana State and **Spoken Tutorial Project,** IIT Bombay does hereby agree to the following broad terms of cooperation as under:

Commissionerate of Collegiate Education shall-

- Identify a Chief Central Co-ordinator from the department who will actively work and co-ordinate with Spoken Tutorial team, IIT Bombay to roll-out and introduce the project into all degree colleges in the state.
- Put up the signed agreement note on the CCE website along with Spoken Tutorial site link and Telangana training manager Ms. Swati Dongardive's contact details and issue notifications to all the Principals of Government Degree Colleges to make the Payment through NEFT, introduce and roll-out the Spoken Tutorial based software training in colleges.
- Conduct a Master training program for a faculty member in each GDC through Faculty Development Training Program for running Software training SELF learning way in their respective Colleges as one of the initiatives under capacity building.
- Offer General IT Skills package in Telugu also.
- Issue circular to all the GDCs to introduce and roll-out the Spoken Tutorial based software training in the GDCs.
- Have a monitoring system on department's website ccets.cgg.gov.in to track the progress made by the different colleges, suggest bi-monthly reports from colleges to CCE and ST, IIT Bombay.

The Spoken Tutorial Project, IIT Bombay shall-

- Work as a mentor for the GDCs in the Telangana State.
- Support the training and execution by CCE by providing manuals and continuous guidance at the unit level that is the Government Degree College.
- Nominate a Representative who will work with the Faculty Development Training Program in CCE.

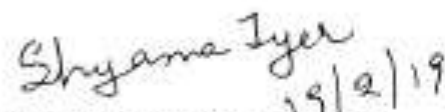
- Provide guidance and learning path for progressively higher levels of learning through advanced courses.
- Provide the knowhow and course content material that includes CDs/DVDs, online material, instruction sheets and any other training material related to the GDCs.
- Issues Completion Certificates, who undergo training and qualifies the Online assessment test
- Participation Certificates shall be issued to the students who undergo the training and do not take the online test.
- Provide the promotional materials like posters, brochures, leaflets, banners etc. to the CCETS and the GDCs in TS.

General

- This agreement is for a duration of one year from the date of signing and can be renewed and modified from time to time if necessary, based on mutual consent.
- IIT Bombay-ST permits the colleges with less than 100 number of students to learn along with nearby college students and will not expect the User Fee of Rs.25000/college/year.
- The interpretation of any clause will rest with CCE TS.

Now based on the above mentioned promise(s), the parties put their signatures on this MoA on 19.02.2019.


Academic Guidance Officer
Commissionerate of Collegiate Education
Government of Telangana


National Coordinator Training
Spoken Tutorial Project, IIT Bombay

KAKATIYA GOVERNMENT COLLEGE

HANUMAKONDA.

SPOKEN TUTORIALS FEE PAYMENT DETAILS

| | |
|---------------------------------------|---|
| UTR (Unique Transaction Report) | N028221808927271 |
| Number of Payer | |
| Name of the Payer | Principal |
| Institute Name | Kakatiya Government College Hanumakonda. |
| Email Id | Warangal,jkc@gmail.com |
| Phone number | 9542697401 |
| Date of Payment | 28-01-2022 |
| Address of Institute with Pin code | Kakatiya Government College New Bus Stand road, Hanumakonda - 506001 |
| GST Number | 36HYDK02888E1D6 |
| PAN Number | - |
| TAN Number | 36HYDK02888E |


PRINCIPAL
KAKATIYA GOVT. COLLEG.
Hanamkonda.

RTGS/NEFT application done by Bank Customers

Customer Copy

Received application for RTGS / NEFT for an amount of Rs. 2500 vide Cash / Cheque number _____ of _____ to be credited to Account No. 272410113370 of HDFC bank with IFSC Code HDFC0000375. Customers will be guided by the Terms and Conditions mentioned in the form. HDFC Bank will accept no liability for any consequences arising out of erroneous details provided by the Customer.

FOR RTGS / NEFT
TELEPS
 VV Checked Sign Verified

10282210892220

Bank Seal

For HDFC Bank

HDFC BANK

RTGS / NEFT IFSC: HDFC0000375

Pay TASKS Govt of Telangana A/c No 018301010418 Or Bearer

Rupees Four thousand seven hundred twenty only

₹ 4730-00

AC No. 50100375642660 B/R: 0275 P/080
SB A/C

For PRINCIPAL KAKATYA GOVT COLL WDR

PRINCIPAL
KAKATYA GOVT COLLEGE
Hanamkonda

000056 506240020 055490* 34

Customer Copy

Received application for RTGS / NEFT for an amount of Rs. _____ vide Cash / Cheque number _____ of _____ to be credited to Account number _____ of _____ bank with IFSC Code _____ Customers will be guided by the Terms and Conditions mentioned in the form. HDFC Bank will accept no liability for any consequences arising out of erroneous details provided by the Customer.

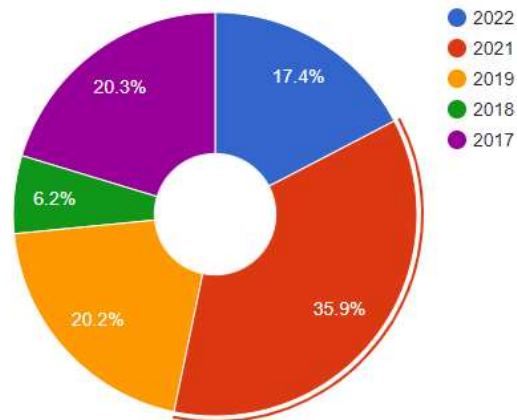
Bank Seal

For HDFC Bank

STUDENTS ENROLLED FOR MOOCS ONLINE COURSES

- Around 2015 Students enrolled for MOOCS Online Courses like Introduction to Computers, C, C++, Java, Mysql, Libre Office and Php, for both UG and PG Students.

Workshop/Training Statistics



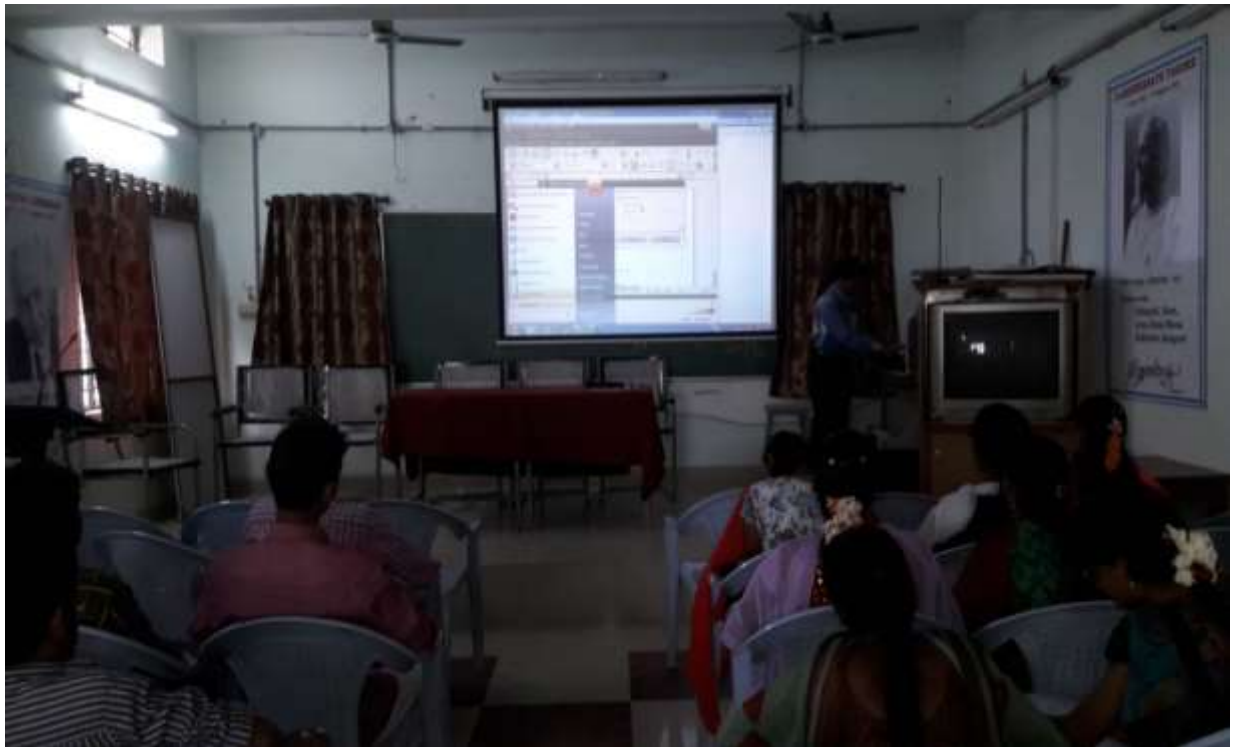
Online Link to view Training Statistics :

https://spoken-tutorial.org/statistics/training/?training_planner_academic_state=42&training_planner_academic_city=268&training_planner_academic_institution_type=1&training_planner_academic_institution_name=Kakatiya+Government+Degree+College%2C+Hanamkonda&department=&course_type=&course_foss=&sem_start_date_after=&sem_start_date_before=&lang=-----&status=1

| # | State | City | Institution | FOSS | Department | Type | Organiser | Date | Participants | Action |
|----|-----------|----------|--|---------------------------|------------------|---------|-------------|-------------|--------------|-----------------------------------|
| 1 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | HTML | Computer Science | Mapped | Dr D Suresh | 01 Feb 2022 | 206 | View Participants |
| 2 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | Python 3.4.3 | Computer Science | Mapped | Dr D Suresh | 01 Jan 2022 | 206 | View Participants |
| 3 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | PHP and MySQL | Computer Science | Mapped | Dr D Suresh | 02 Jan 2021 | 12 | View Participants |
| 4 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | LibreOffice Suite Base | Computer Science | Mapped | Dr D Suresh | 02 Jan 2021 | 206 | View Participants |
| 5 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | Introduction to Computers | Computer Science | Mapped | Dr D Suresh | 02 Jan 2021 | 206 | View Participants |
| 6 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | Advanced Cpp | Computer Science | Mapped | Dr D Suresh | 02 Jan 2021 | 206 | View Participants |
| 7 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | Advanced Cpp | Computer Science | Outside | Dr D Suresh | 02 Jan 2019 | 51 | View Participants |
| 8 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | Introduction to Computers | Computer Science | Outside | Dr D Suresh | 02 Jan 2019 | 51 | View Participants |
| 9 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | Java | Computer Science | Outside | Dr D Suresh | 02 Jan 2019 | 48 | View Participants |
| 10 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | PHP and MySQL | Computer Science | Outside | Dr D Suresh | 02 Jan 2019 | 52 | View Participants |
| 11 | Telangana | Warangal | Kakatiya Government Degree College, Hanamkonda | Advanced Cpp | Computer Science | Outside | Dr D Suresh | 02 Jan 2018 | 52 | View Participants |

| 1.2.2 Number of Add on /Certificate programs offered during the last five years (10) | | | | | | | | | |
|--|-----------------------------|--------------------------|--|---------------------------|--|---|--|--|--|
| 1.2.3 Average percentage of students enrolled in Add-on/Certificate programs as against the total number of students during the last five years (10) | | | | | | | | | |
| Certificate Course - 2020 - 2021 | | | | | | | | | |
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| | | | | | | |
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| | | | | | | 1028 |





Consolidated list of online courses with participant list for Academic year 2020-21

Total Completed Courses: 7

| S.No | Semester Start Date | Software Course | Department | Participant List Status | Action |
|-------------|----------------------------|--|-------------------|--------------------------------|---|
| 1 | Jan 2, 2021 | Libre Office Suite Base | Life Sciences | 74 | https://spoken-tutorial.org/software-training/133903/certificate |
| 2 | | C and Cpp | Physical Sciences | 74 | https://spoken-tutorial.org/software-training/133903/certificate |
| 3 | Jan 1, 2021 | Learn about PHP | Physical Sciences | 74 | https://spoken-tutorial.org/software-training/133903/certificate |
| 4 | Jan 2, 2021 | My Structured Query Language | Physical Sciences | 12 | https://spoken-tutorial.org/software-training/133903/certificate |
| 5 | | Fundamental concepts of Libre Software | BCOM | 206 | https://spoken-tutorial.org/software-training/134254/certificate |
| 6 | | Introduction to Computers | B A | 206 | https://spoken-tutorial.org/software-training/134254/certificate |
| 7 | | Advanced Cpp | Physical Sciences | 206 | https://spoken-tutorial.org/software-training/134254/certificate |



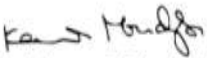
Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **PANNATI RAJESH** participated in the **Advanced Cpp** training organized at **Kakatiya Government Degree College, Hanamkonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Advanced Cpp** were covered in the training.

March 3rd 2021


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



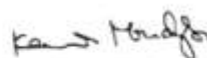
Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **GAYELA ANUSHA** participated in the **C and Cpp** training organized at **Kakatiya Government Degree College, Hanamkonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **C and Cpp** were covered in the training.

March 3rd 2021


Prof. Kannan M Moudgalya
IIT Bombay

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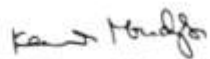


Certificate of Participation

This is to certify that **GUGULOTH GOUTHAMI** participated in the **PHP and MySQL** training organized at **Kakatiya Government Degree College, Hanamkonda** in **January 2021** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **PHP and MySQL** were covered in the training.

March 3rd 2021


Prof. Kannan M Moudgalya
IIT Bombay

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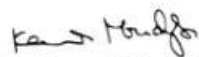


Certificate of Participation

This is to certify that **KURUSAM RAVI KUMAR** participated in the **LibreOffice Suite Base** training organized at **Kakatiya Government Degree College, Hanamkonda** in **January 2017** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **LibreOffice Suite Base** were covered in the training. This training is offered by the Spoken Tutorial Project, IIT Bombay.

March 3rd 2017


Prof. Kannan M Moudgalya
IIT Bombay