## Department of Master of Computer Applications

05-04-2016

To
The Principal,
Prakasam Engineering College,
kandukur.

Sir,

Sub: Request for conducting a Certification Course on **"PYTHON PROGRAMMING"**-Reg.

This is to bring to your kind notice that, we would like to organize a Certification Course program on **"PYTHON PROGRAMMING"** in association with **SuBrains Solutions Private Limited**, **Vijayawada** for MCA IV Semester Students from **11/04/2016 to 23/04/2016 , 2:00pm to 5:00pm.**

Thanking you Sir,

Yours sincerely

HOD, MCA
*Head of the Department*
DEPARTMENT OF MASTER OF
COMPUTER APPLICATIONS
PRAKASAM ENGINEERING COLLE
O.V. Road, KANDUKUR-523 105.
Prakasam Dt. A.P

Approved

PRINCIPAL
PRAKASAM ENGINEERING COLLEGE
KANIGIRI ROAD
KANDUKUR-523 105.
Prakasam Dist, A.P.

## Department of Master of Computer Applications

06-04-2016

### CIRCULAR

All the III semester MCA Students are here by informed that our Department is going to conduct Certification Course program on "PYTHON PROGRAMMING" in association with **SuBrains Solutions Private Limited , Vijayawada** for MCA IV Semester Students scheduled from **11/04/2016 TO 23/04/2016 , 2:00pm to 5:00pm.** So, Interested Students can enroll their names in the Department on or before **09-04-2016.**

**HOD, MCA**
*Head of the Department*
DEPARTMENT OF MASTER OF
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O.V. Road, KANDUKUR-523105
Prakasam Dt, A.P

# PRAKASAM ENGINEERING COLLEGE

O.V. Road, Kandukur, Prakasam Dist., A.P., Tel : 08598 222288, 221300

APPROVED BY AICTE, NEW DELHI | AFFILIATED TO JNTU, KAKINADA, UNDER AMMA EDUCATION SOCIETY

## Department of Master of Computer Applications

### CERTIFICATION COURSE ON PYTHON PROGRAMMING

### REGISTERED STUDENTS LIST

| S. No. | Roll No. | NAME OF THE STUDENT |
|---|---|---|
| 1 | 15F91F0002 | ARUNA.MALLEBOINA |
| 2 | 15F91F0003 | ASHOK KUMAR.NELLURI |
| 3 | 15F91F0004 | BAJI BASHA SHAIK |
| 4 | 15F91F0006 | JOTHSNA RANI.INNAMURI |
| 5 | 15F91F0007 | KAMESWARI Y |
| 6 | 15F91F0008 | KISHORE BABU JAJULA |
| 7 | 15F91F0009 | LAKSHMAIAH MOLATHOTI |
| 8 | 15F91F0010 | LAKSHMI MANASA.GOLLA |
| 9 | 15F91F0011 | MADHAVI.MONAPATI |
| 10 | 15F91F0013 | MANIKANTA.ARIKATI |
| 11 | 15F91F0015 | NAGALAKSHMI PRIYANKA ADDEPALLI |
| 12 | 15F91F0018 | RAJASEKHAR.MENDA |
| 13 | 15F91F0020 | SANDHYARANI.MADALA |
| 14 | 15F91F0021 | SIVA PARVATHI PRASANNA.PHANIDHAPU |
| 15 | 15F91F0022 | SIVAJI.PUVVADI |
| 16 | 15F91F0023 | SRAVANI.BATINA |
| 17 | 15F91F0024 | SRAVANI.SADU |
| 18 | 15F91F0025 | SRIDEVI.NALAMOTHU |
| 19 | 15F91F0026 | SRILAKSHMI MULLAMURI |
| 20 | 15F91F0027 | SRIMANI.TIRUMALASETTY |
| 21 | 15F91F0029 | SRINIVASA RAO.KANDAGADLA |
| 22 | 15F91F0031 | SUKANYA V |
| 23 | 15F91F0032 | TRIVENI.SADINENI |
| 24 | 15F91F0033 | VENKATA LAKSHMI KAVITHA.GOSTU |
| 25 | 15F91F0034 | VENKATA ROJA RANI GURRAM |
| 26 | 15F91F0035 | PAVANI BELLAM |
| 27 | 15F91F0037 | AMEENA SHAIK |

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### CERTIFICATION COURSE ON PYTHON PROGRAMMING

### COURSE SHEDULE

| S.No | Topics to be covered |
|---|---|
| 1 | History of Python, Need of Python Programming, Applications Basics of Python Programming Using the REPL(Shell), Running Python Scripts, Variables, Assignment, Keywords, Input-Output, Indentation. |
| 2 | **Types, Operators and Expressions:** Types - Integers, Strings, Booleans; Operators- Arithmetic Operators, Comparison (Relational) Operators, Assignment Operators, Logical Operators, Bitwise Operators, Membership Operators, Identity Operators, Expressions and order of evaluations Control Flow- if,if-else, for, while, break, continue, pass |
| 3 | **Data Structures** Lists - Operations, Slicing, Methods; Tuples, Sets, Dictionaries, Sequences. Comprehensions |
| 4 | **Functions** - Defining Functions, Calling Functions, Passing Arguments, Keyword Arguments, Default Arguments, Variable-length arguments, Anonymous Functions, Fruitful Functions(Function Returning Values), Scope of the Variables in a Function - Global and Local Variables. |
| 5 | **Modules:** Creating modules, import statement, from. Import statement, name spacing, **Python packages,** Introduction to PIP, Installing Packages via PIP, Using Python Packages. |
| 6 | **Object Oriented Programming OOP in Python:** Classes, 'self variable', Methods, Constructor Method, Inheritance, Overriding Methods, Data hiding,. |
| 7 | **Error and Exceptions:** Difference between an error and Exception, Handling Exception, try except block, Raising Exceptions, User Defined Exceptions |
| 8 | **Brief Tour of the Standard Library** - Operating System Interface - String Pattern Matching, Mathematics, Internet Access, Dates and Times, Data Compression, Multithreading, GUI Programming, Turtle Graphics |
| 9 | **Testing:** Why testing is required ?, Basic concepts of testing, Unit testing in Python, Writing Test cases, Running Tests |

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O.V.Road, KANDUKUR
Prakasam Dist., A.P. -523105

## DEPARTEMENT OF MASTER OF COMPUTER APPLICATIONS

### Certificate of Completion

This is to certify that Mr/Ms. *ASHOK KUMAR NELLURI* ............................................ Bearing roll

number.... *15F91F0003* ....of .......... *MCA III-Semester* .......... has completed the certificate course on

............ *Python Programming* ............ from .... *11/04/2016*.. To ... *23/04/2016* at Prakasam Engineering

College, Kandukur, AP.

HOD

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Prakasam Dist., A.P. -523105

## DEPARTEMENT OF MASTER OF COMPUTER APPLICATIONS

### Certificate of Completion

This is to certify that Mr/Ms. ..................*SRAVANI SADU*.......................... Bearing roll

number...*15F91F0024*.....of .......*MCA III-Semester*................ has completed the certificate course on

.............*Python Programming*.............. from .....*11/04/2016*... To ...*23/04/2016*.. at Prakasam Engineering

College, Kandukur, AP.

HOD

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