# NAGARJUNA GOVT. DEGREE COLLEGE

## (AUTONOMUS)

### NALGONDA

## DEPARTMENT OF DATA SCIENCE



## CERTIFICATE COURSE

## ON

## C Language Certified Entry-Level Programmer Course

## (FROM 08-02-2021 TO 02-03-2021)

## 2020-21

# NAGARJUNA GOVERNMENT DEGREE COLLEGE(A), NALGONDA.

TO

Date: 5ᵗʰ Feb 2021

The Principal,

NG College,
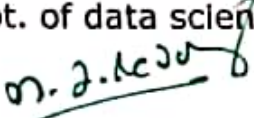
Nalgonda.


Respected Sir,

Sub: Dept. of DATA SCIENCE- certificate course on "C language certified entry-level programmer course "Undergraduate students"-seeking permission- req.reg

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With regards to the subject cited above SP VenkataRamana, contract lecturer of this department come up with a proposal to start certificate course on certificate course on "C language certified entry-level programmer course" I am here with forwarding the proposal consisting of syllabus and Learning outcomes targeted for this course. This course is for 20 days and 15 Teaching hours and 5 practical hours to the students

Hence I am requesting you to accord permission to start the said course in this academic year.

Thanking you sir.

Permitted

Yours faithfully,

Dept. of data science

# CERTIFICATE COURSE ON "C LANGUAGE CERTIFIED ENTRY-LEVEL PROGRAMMING COURSE" TO UNDERGRADUATE STUDENTS

## DEPARTMENT OF DATA SCIENCE

## CURRICULUM OF THE COURSE

| S.No. | Name of the TOPIC | Days | Teaching Hours |
|---|---|---|---|
| 1 | Installation and setting up c compiler | 1 | 2 Hours |
| 2 | Introduction of variables and data types | 1 | 1 Hours |
| 3 | Operators in C | 3 | 2 Hours |
| 4 | Decision making and control structure | 4 | 2 Hours |
| 5 | Arrays and strings | 4 | 2 Hours |
| 6 | Functions in C | 1 | 2 Hours |
| 7 | Memory management | 1 | 2 Hours |
| 8 | Advanced operations on arrays and pointers | 2 | 2 Hours |
| 9 | Unions and structures | 2 | 2 Hours |
| 10 | programs | 1 | 3 Hours |
| | Total | 20 days | 20 hours |

## COURSE OVERVIEW:

capable in writing and debugging simple C programs using the standard language infrastructure. Conversant with data types, typecasting, conditional statements, memory management, functions, run time environment and other universal programming concepts and developer tools .Familiar with the fundamentals of c programming language such as semantics and syntax.

## COURSE OBJECTIVES:

While participating in this course the learner will be able to

- Understand the concepts of structured programming language.
- Understand the way of writing different programs related to the topics
- Applying the basic programming skills to solve the real-time entity
- Teaching learning can able to understand the student in best way of thinking towards programming languages.
- Students can improve their programming skills.

## LEARNING OUTCOMES:

After Successful Completion of this Certificate Course the learner will be able to

- C language shows hierarchical code organization.
- Ability to work with textual information, characters and strings
- Ability to do real worlds entity programs
- Control the sequence of the program and give logical outputs
- Manage I/O operations in program
- Repeat the sequence of instructions and points for a memory location.
- Apply code reusability.
- Understand the basics of handling mechanisms
- Student can able to understand the algorithm and write the program also can execute.

# NOTICE

3rd February 2021

All the Students are here by informed that the Department of Data science going to start a Certificate Course on "C language certified Entry-level programming course" from 8th February to 2nd march 2021. This Course aims to understand the students in structured programming. It consists of 20 teaching Hours and 10 practical hours' working days without overlapping with your academic schedule. Detailed schedule will be shared with the selected students.

Interested students are instructed to enroll your name for the course at SP. Venkata Ramana contract lecturer in computer science by 2nd march 2021.If the enrolled students are more than 30 those who enrolled first will be shortlisted.

**Head**
**Department of Data Science**

**Principal**
Nagarjuna Govt. Colle
(Autonomous) NALGONDA.

## LIST OF STUDENTS ENROLLED:

| ). | Name of the student | Class | Roll Number | Signature |
|---|---|---|---|---|
| | B. Vikram | I | 20044028466001 | B. Vikram |
| | B. Nandini | I | 20044028466002 | B. Nandini |
| | B. Venu Gopal | I | 20044028466003 | B. venu Gopal |
| | C. Karthik | I | 20044028466004 | C. Karthik |
| | C. Sai | I | 20044028466005 | C. Sai |
| | D. Kranthi | I | 20044028466006 | D. Kranthi |
| | D. Naveen | I | 20044028466007 | D Naveen |
| | D. Deepika | I | 20044028466008 | D. Deepika |
| | D. Vamshi | I | 20044028466009 | D. Vamshi |
| | E. Vamshi Krishna | I | 20044028466010 | E. Vamshi Krish |
| | F. Madhu | I | 20044028466011 | F. Madhu |
| | G. Mahesh Kumar | I | 20044028466012 | G. Mahesh kum |
| | H. Nazneen | I | 20044028466013 | H. Nazeen |
| | J. Subash | I | 20044028466014 | j-subash |
| | J. Anand | I | 20044028466015 | J. Anand |
| | K. Sruthi Sravani | I | 20044028466016 | k. sruthi sravani |
| | K. Anusha ——— | I | 20044028466017 | kAnusha |
| | K. Ramu | I | 20044028466018 | k. Ramu |
| | K. Naresh | I | 20044028466019 | K. Naresh |
| | K. uday Bhaskar | I | 20044028466020 | uday Bhaskar |
| | K. Ganesh | I | 20044028466021 | k. Ganesh |
| | M. Nagaraju | I | 20044028466022 | M. Nagaraju |
| | M. Katimuddin | I | 20044028466023 | M. Katimuddin |
| | P. Akhila | I | 20044028466024 | p. Akhila |
| | P. Suresh | I | 20044028466025 | Su |
| | P. Vinod kumar | I | 20044028466026 | Vinod kumar |
| | P. Chintu | I | 20044028466027 | p. chintu |
| | R. Anjaneyulu | I | 20044028466028 | R. Anjaneyulu |
| | V. Maheshwari | I | 20044028466031 | v. maheshwari |
| | V. Sindhu | I | 20044028466032 | V. Sindhu |

9 10th 11th 12th 13th 15th 16th 17th 18th 19th 20 22nd 23rd 24th 25th 26th 27th 1st 2nd march

| | | Name of the student | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | co | 9 | 10 | 11 | 12 | 13 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 23 | 24 | 25 | 26 | 27 | 1 | 2 | | | | | | | | | | |
| | 20044028466001 | B. Vikram | P | P | P | A | P | P | P | P | P | P | P | A | P | P | P | P | P | A | A | A | | | | | | | | | | |
| 2 | 20044028466002 | B. Nandini | P | P | P | P | P | P | A | P | P | P | P | A | P | P | P | P | P | P | A | P | | | | | | | | | | |
| 3 | 20044028466003 | B. Venu Gopal | P | P | P | A | P | P | P | P | P | P | A | P | P | P | P | A | P | P | P | P | | | | | | | | | | |
| 4 | 20044028466004 | C. Karthik | P | P | P | A | A | P | P | P | A | P | P | A | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 5 | 20044028466005 | C. Sai | P | P | A | P | P | P | A | P | P | P | P | P | P | P | P | A | P | P | P | P | | | | | | | | | | |
| 6 | 20044028466006 | D. Kranthi | P | P | P | P | P | P | P | A | P | P | P | P | P | A | P | P | P | P | P | P | | | | | | | | | | |
| 7 | 20044028466007 | D. Naveen | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 8 | 20044028466008 | D. Deepika | P | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | A | P | A | P | | | | | | | | | | |
| 9 | 20044028466009 | D. Vamshi | P | A | P | P | P | P | A | P | P | P | P | P | P | A | P | P | P | P | P | P | | | | | | | | | | |
| 10 | 20044028466010 | E. Vamshi krishna | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | A | P | P | P | P | | | | | | | | | | |
| 11 | 20044028466011 | F. Madhu | P | P | P | P | P | P | A | P | P | P | A | P | P | P | A | P | A | P | P | P | | | | | | | | | | |
| 12 | 20044028466012 | G. Mahesh kumar | P | P | P | P | A | P | P | A | P | P | A | P | P | P | A | P | P | P | P | A | | | | | | | | | | |
| 13 | 20044028466013 | H. Nazeer | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | P | P | | | | | | | | | | |
| 14 | 20044028466014 | I. Subash | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | A | P | P | P | | | | | | | | | | |
| 15 | 20044028466015 | J. Anand | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 16 | 20044028466016 | K. Sruthi sravani | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | A | A | P | P | | | | | | | | | | |
| 17 | 20044028466017 | K. Anusha | P | P | P | P | P | P | P | P | P | P | P | P | A | A | A | P | P | P | P | P | | | | | | | | | | |
| 18 | 20044028466018 | K. Ramu | P | P | P | P | P | P | A | P | P | A | P | P | A | P | P | P | P | P | P | P | | | | | | | | | | |
| 19 | 20044028466019 | K. Naresh | P | P | A | P | P | P | P | P | A | P | P | P | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 20 | 20044028466020 | K. Uday Bhaskar | P | P | P | A | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | | | | | | | | | | |
| 21 | 20044028466021 | K. Ganesh | P | P | A | P | P | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 22 | 20044028466022 | M. Nagaraju | A | A | P | P | A | P | P | P | P | P | P | P | P | P | P | P | P | A | P | P | | | | | | | | | | |
| 23 | 20044028466023 | M. Kathruddin | P | P | P | P | P | P | A | P | P | P | P | P | P | P | P | A | P | P | A | P | | | | | | | | | | |
| 24 | 20044028466024 | P. Akhila | A | A | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | A | | | | | | | | | | |
| 25 | 20044028466025 | P. Suresh | P | P | P | P | P | P | A | P | P | A | P | P | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 26 | 20044028466026 | P. Vinod kumar | A | A | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 27 | 20044028466027 | P. Chintu | P | P | P | P | P | P | P | P | P | P | P | A | A | P | P | A | P | P | P | P | | | | | | | | | | |
| 28 | 20044028466028 | R. Anjaneyulu | A | P | P | A | P | P | A | P | P | A | P | P | P | P | P | P | P | P | P | P | | | | | | | | | | |
| 29 | 20044028466029 | V. maheshwari | P | P | P | P | P | P | A | A | A | P | P | P | A | A | A | P | P | P | P | P | | | | | | | | | | |
| 30 | 20044028466030 | V. sindhu | P | A | P | A | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | P | | | | | | | | | | |

# NAGARJUNA GOVERNMENT COLLEGE(A),NALGONDA

## DEPARTMENT OF DATA SCIENCE

## CERTIFICATE OF APPRECIATION

This is to certify that_____ studying

_____has participated and successfully finished Certificate course

on "certificate course on "C language certified entry-level programmer course"

conducted by Department of Data science, Nagarjuna Government College (A),

Nalgonda from 8$^{th}$ February 2021 to 2$^{nd}$ March 2021.

PRINCIPAL

Course Coordinator