



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)

An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution

NH-5, Anakapalle – 531002, Visakhapatnam, A.P.

Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

CIRCULAR

Anakapalle

Dt: 25-09-2017

Department of Computer Science Engineering is hereby informed that, in view of the feedback received from Electrical & Electronics Engineering students regarding skill enhancement and to improve the expertise of students in C programming, HOD is advised to depute a faculty from CSE to design and develop a suitable course structure in line with the concepts of C Programming for II & III B.Tech EEE students with over 30 working hours. Please ensure that this Add-on course helps them to acquire the necessary skill set to match the industry needs in their professional career. Make arrangements to deliver the course from next week onwards.

PRINCIPAL



Dadi Institute of Engineering & Technology

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An ISO 9001:2008, 14001:2004 & OHSAS 18001:2007 Certified Institute, NH-5,

NAAC Accredited Institute

Visakhapatnam, Andhra Pradesh



Organized by

Department of Electrical and Electronics Engineering

A Two Week

(2/10/2017-14/10/2017)

Training Program on

"Programming Skills with c language"

About the Institute

Dadi Institute of Engineering & Technology is a top ranked Engineering and Management College affiliated to Jawaharlal Nehru Technological University, Kakinada. The Institute is NAAC Accredited, ISO Certified and also associated with many professional bodies in the field of Engineering, Technology and Management. It strives to promote the highest standards among the students and enable them to build a New World. Dadi Institute of Engineering & Technology is distinctive among institutions of higher learning. Founded in 2006 by Sri Dadi Veerabhadra Rao, an academician and former Minister as the first multicultural and co- educational college in Anakapalle which admits only academically promising students.

About EEE Department

The Department of EEE was established in the year 2006. It offers B.Tech program, with an initial intake of 120. It also offers M.Tech program in Power & Industrial drives with an intake of 36. The department has good infrastructural facilities and has full-fledged laboratories equipped with adequate hardware and software. The faculty members are actively involved in research and are publishing papers in reputed national and international journals/conferences.

About the course

Students will be able to learn the variables, data types and operators in C, file handling and command line arguments, arrays and character arrays in C, pointers and linked lists, string handling functions with real time problem solving methods.

Course Instructor: Dr. L Prasanna Kumar, Professor, CSE Department

Department of Electrical & Electronics Engineering

PROGRAMMING SKILLS WITH C LANGUAGE

Course Instructor:

Dr. L Prasanna Kumar

Professor, CSE Department

Dadi Institute of Engineering & Technology

Duration:

2 weeks: (02-10-17 to 14-10-17)

Overview & Need of the Course:

Students will be able to learn the Variables, data types, and operators in C, File handling and command line arguments, Arrays and character array in Pointers and linked lists, String handling functions, Stacks and queues data structure in C language.

Course Outcomes:

- Makes students gain a broad perspective about the uses of computers in engineering industry.
- Develops basic understanding of computers, the concept of algorithm and algorithmic thinking.
- Develops the ability to analyze a problem, develop an algorithm to solve it.
- Develops the use of the C programming language to implement various algorithms, and develops the basic concepts and terminology of programming in general.
- Introduces the more advanced features of the C language.

Requirements

- ❖ Basic Knowledge of Programming
- ❖ Basic computer knowledge.

Course Contents

Chapter 1:

- Variables
- Data types
- Operators in C

Chapter 2:

- File handling
- Command line arguments

Chapter 3:

- Arrays
- Character array
- Pointers and linked lists

Chapter 4:

- Stacks
- Queues
- Data structure in C language.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
 IV Year - I SEMESTER
 L T P C
 0 0 3 2

HADOOP & BIGDATA LAB
 List of Experiments - R13

1. Implement the following Data structures in Java
 a) Linked Lists b) Stacks c) Queues d) Set e) Map
2. (i) Perform setting up and installing Hadoop in its three operating modes: Standalone, Pseudo distributed, Fully distributed (ii) Use web based tools to monitor your Hadoop setup
3. Implement the following file management tasks in Hadoop:
 - Adding files and directories
 - Retrieving files
 - Deleting files

Hint: A typical Hadoop workflow involves copying files from local file system to HDFS and then copying them into HDFS from another node.

4. Run a basic Word Count Map Reduce Program
5. Write a Map Reduce program to analyze weather data from a globe gather a large volume of data and analyze it with Map Reduce
6. Implement Matrix Multi
7. Install and Run Pig then project, and filter your data
8. Install and Run Hive then tables, views, functions, and

DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
 COURSE: HADOOP LAB (R13)
 LABORATORY PRACTICE

GOALS

- Read and understand how to copy out an activity thoroughly before coming to the laboratory
- Report any broken plugs or exposed electrical wires to your lecturer / laboratory technician immediately
- Erase the location of the file path and use the file and bin and use the Run of Code of an emergency
- Report fire or accidents to your lecturer / laboratory technician immediately
- Systems must be shutdown properly leaving the lab
- Please be understandable of those around you, especially if you are new here. Study hard for success ahead!

NOTES

- Do not drink or eat in the laboratory
- Avoid smoking or electrical wires or any other computer cables
- Do not open the system and change or modify any files, unless you are instructed
- Do not use mobile phones with an alarm, ring and vibrate for the computer usage. This may cause fire
- Do not introduce any software on any computer and do not use pen drive or the lab without permission
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COURSE COMPLETION CERTIFICATE

This Certificate is given to

D SAI KUMAR



For the successful completion of 2-week course on Programming skills with C-language from 02/10/2017 – 14/10/2017

Dr. L. Prasanna Kumar
Course Instructor

Dr. Ch Prabhakara Rao
Principal

Mr. Dadi Ratnakar
Chairman





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AN ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute

STUDENT FEEDBACK FORM

Dear Candidate,

Your feedback is critical for the Institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Programming Skills with C-language

Date/Duration: 26/10/19-14/11/19 Instructor/Coordinator: Dr. L. Prasanna Kumar

- | | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| 1. The content was as described in Publicity Material | | | | | 5 |
| 2. The program was helpful in practical understanding | | | | 4 | 5 |
| 3. I will recommend this course/workshop program to relevant coordinators across our campus | | | | | 5 |
| 4. The program was well placed within allotted time | | | 3 | | 5 |
| 5. The instructor was an effective communicator | | | | | 5 |

Feedback Suggestion

Learned the basic concepts of C-in less period of time

Please return this form to the Course Instructor/Organizer/Coordinator at the end of the workshop/add-on course/Training Program



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| 5. The instructor was an effective communicator | | | | | 4 |

Feedback Suggestions

Learned the more subject.

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