



MALLA REDDY ENGINEERING COLLEGE
(UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited by NAAC with 'A' Grade (Cycle II),
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,
Telangana State - 500100, www.mrec.ac.in

Department of Computer Science and Engineering


CIRCULAR

Date: 09/12/2021

All the students are hereby informed that Value Added Course on **"Microsoft Technology Associate - Introduction to Java fundamentals"** is being organized by the Computer Science and Engineering Department on dated **15th December 2021 to 31st January 2022**. The resource person for the course is **Mr Bipin**, Senior Consultant, TCS.

Students are advised to register their names to the programme coordinator **"Mr.S.Ajay Kumar, Associated professor CSE Department"**, on or before 10/12/2021 and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.


Head of the Department

Head of the Department
Dept. of Computer Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD's
- 3) Notice Boards
- 4) PA to principal for filing.




PRINCIPAL
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Gundlapochampally, Medchal(M), Medchal-Malkajgiri District Telangana- 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG courses provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. A. Raveendra, Principal, MREC (A)** who have a rich teaching and industrial experience.

Advisory Committee

Chief Patrons: Sri. Ch. Malla Reddy, Minister-
Telangana State-India.
Founder Chairman
Malla Reddy Group of Institutions

Patrons: Sri.Ch. Mahender Reddy
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: Dr. A.Raveendra
Principal, MREC (A)

Convener: Dr.Lakshmipathi Anantha
HOD CSE

Coordinator: Mr.S.Ajay Kumar,
Associated professor, CSE

Resource Person: Mr Bipin",
Senior Consultant, TCS

Organizing Committee:

Dr.P.Srinivas, Professor, CSE
Dr.J.Anitha, Professor, CSE
Dr.N.Supriya, Professor, CSE
Mr. P.V. Ramana Murthy, Associate Professor, CSE
Mr. K Arun Kumar, Assistant Professor, CSE
Ms. S. Sandhya Rani, Assistant Professor, CSE
Mr.K.SubbaShanker, Assistant Professor, CSE
Mr.M.Srikanth, Assistant Professor, CSE
Mr.B.Raja Rao, Assistant Professor, CSE

Mr.



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*A One-Month Skill development Course
(Value added Course)*

On

**"Microsoft Technology Associate -
Introduction to Java fundamentals"**

**15th December 2021 to 31st January 2022.
(02.30 PM to 04.15 PM)**



Organized by

Department of

**Computer Science and Engineering
MALLA REDDY ENGINEERING COLLEGE
(AUTONOMOUS) MAIN CAMPUS**

**An UGC Autonomous Institution, Approved by
AICTE & Affiliated to JNTUH-Hyderabad
Reaccredited by NAAC with 'A' Grade (II Cycle)
Maisammaguda(H), Gundlapochampally (V),
Medchal (M), Medchal - Malkajgiri District
Telangana - 500100, India**

Name of the Participant :-----

Branch & Year :-----

Name of Institution:-----

Address for Communication:-----

Mobile Number:-----

E-Mail ID:-----

DECLARATION:

The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant

About the Department

The Department of CSE was started in the year 2005 with a vision of imparting high-quality education to suite the global standards in Computer science and Engineering. The department has got highly qualified & committed faculty members supported by dedicated technical staff.

The department has its own library and sophisticated laboratories not only to suite curriculum requirements but also to serve research needs such as Computer Networks, Data Mining, Software Engineering, Image processing & Cloud Computing. Workshops, software simulation etc.

The department formed CSI and ISTE student branch for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures.

Overview of the Programme

This course of study builds on the skills gained by students in Java Fundamentals or Java Foundations to help advance Java programming skills. Students will design object-oriented applications with Java and will create Java programs using hands-on, engaging activities.

Objectives of the Programme

During the Python Programming course, administered by the undersigned instructor, the student was able to proficiently:

- Introduce the concept of Object Oriented Programming and its features.
- Write object-oriented codes in Java.
- Database manipulations using Java

Topics to be covered

- Fundamentals of Java programming
- Basics of Variables statements and expressions.
- Methods and classes and objects.
- Strings, interfaces constructors, Exception handling and multi-threading.
- Object oriented programming concepts.

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the program,

On completion of this course, participants will be able to equip with all the skills required to match their expectations.

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Value Added Courses
On
"Microsoft Technology Associate - Introduction to Java fundamentals"

15.12.2021 to 1.1.2022

Organized by
Department of Computer Science and Engg.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

Maisammaguda, Dhulapally Post, via Kompally
Secunderabad- 500100

REGISTRATION FORM

Date: 15.12.2021

1. Name of the Participant 18 JUL A.D.S.O.S.
..... D. KARTHICK
2. Designation Student
3. Qualification: B.Tech - CSE
4. Institute: MREC - A
..... Maisammaguda
5. Address for communication: Krishna Nagar,
..... NEAR Venkateswar Temple
..... Amma Pct
6. Mobile Number 9168261432
7. E-mail: D.Karthick420@yahoo mail-com

Date: 15/12/21



Revised
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Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500 100

Karthick
Signature of the Applicant

Value Added Courses
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15.12.2021 to 1.1.2022

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Department of Computer Science and Engg.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)
Maisammaguda, Dhulapally Post, via Kompally
Secunderabad - 500100

REGISTRATION FORM

Date: 15.12.2021

1. Name of the Participant 18541A05B9
..... Y. Nishant
2. Designation Student
3. Qualification: B.Tech - CSE
4. Institute: MREC - A
5. Address for communication: NEAR H.B. Petrol Pump
..... DPP:- AVANI HOSPITAL
..... SUCHITRA COLONY
6. Mobile Number 94494156240
7. E-mail: Nishant.Y40@rediffmail.com

Date: 15/12/21



Renuka
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Nishant
Signature of the Applicant



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Microsoft Technology Associate - Introduction to Java fundamentals

Course code: VACECSE04

Duration of the course: (30hrs)

Objective of the course:

- This course provides an introduction to object oriented programming (OOP) using the Java programming language.
 - Its main objective is to teach the basic concepts and techniques which form the object oriented programming paradigm
- Students completing the course should know:
 - The model of object oriented programming: abstract data types, encapsulation, inheritance and polymorphism
 - Fundamental features of an object oriented language like Java: object classes and interfaces, exceptions and libraries of object collections
 - How to take the statement of a business problem and from this determine suitable logic for solving the problem; then be able to proceed to code that logic as a program written in Java.
 - How to test, document and prepare a professional looking package for each business project using javadoc.

Syllabus

Unit-1

Total hrs: 6

Introduction -Object Oriented, Platform Independent, Automatic Memory Management, Compiled / Interpreted approach, Robust, Secure, Dynamic Linking, Multi-Threaded.

Java Fundamentals - Data types Operators, Control Statements, Arrays, Enhanced for-loop, Enumerated types, Static import, Auto boxing, C-style formatted I/O, Variable arguments.

Unit-2

Total hrs: 6

Essentials of Object-Oriented Programming - Object and Class Definition Using encapsulation to combine methods and data in a single class, Inheritance and Polymorphism.

Writing Java Classes -Encapsulation, Polymorphism, Inheritance, OOP in Java, Class Fundamentals, Using Objects, Constructor, Garbage Collection.

Unit-3

Total hrs: 7

Deccansoft Software Services- Method Overloading, Method Overriding, Static Members, Understanding Interface, Using Interface.



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Packages: Why packages Understanding Class path, Access modifiers, & their Scope **Array list Exception Handling** - When an exception occurs , Importance of Exception Handling Exception Propagation, Exception Types, Using try and catch, throw, throws, finally, Writing User defined Exception.

Total hrs: 6

Unit-4

I/O Operations in Java - Byte Oriented Streams , File Handling, Readers and Writers.

Multithreaded Programming - Java Threading Model Thread class, & Runnable Interface Thread Priorities, Thread Synchronization, Interthread Communication, Preventing Deadlocks.

Java Util Package / Collections Framework - Collection & Iterator Interface Enumeration, List and ArrayList, Vector, Comparator, Set Interface, & SortedSet Hashtable, Properties.

Total hrs: 5

Unit-5

Generics - Using Built-in Generics Collections , Writing Simple Generic Class, Bounded Generics, Wild Card Generics.

Abstract Window Toolkit - Graphics Color and Font, AWT Components/Controls, Event Handling & Layouts.

Swing Programming - Light Weight Component Swing Hierarchy, Atomic Components e.g. JButton, JList and more, Intermediate Container e.g. JPanel, JSplitPane and more, Top-Level Container e.g. JFrame and JApplet.

Outcome of the course:

On completion of the course the student should be able to:

- Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs.
- Read and make elementary modifications to Java programs that solve real-world problems.
- Validate input in a Java program.
- Identify and fix defects and common security issues in code.
- Document a Java program using Javadoc.
- Use a version control system to track source code in a project.

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Department: CSE

Date: 15.12.2021 to 31.01.2022

IV B.Tech II Sem Value Added Course Attendance Sheet
Microsoft Technology Associate - Introduction to Java fundamentals

Sl.No	Roll No	Name of the student	15/12	16/12	17/12	18/12	20/12	21/12	22/12	23/12	24/12	27/12	28/12	29/12	30/12	3/1	3/2
1	18J41A0505	BEJJANKI JYOTHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	18J41A0513	DATHRIKA KARTHIK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	18J41A0522	KAGITAPU ROHITH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	18J41A0532	KOTTE HEMANTH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	18J41A0557	VADLAMUDI NAVEEN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	18J41A0574	CHINTALA ASHA SREE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	18J41A05A5	POTHARAM MOUNIKA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	18J41A05B9	Y NISHANT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	18J41A05E2	GUDIMELLA AMRESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	18J41A05L7	KONDETI PRANAVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Co-Ordinator



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HOD

Department
and Engineering
College (Autonomous)
Telangana State - 500 100.



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Department: CSE

Date: 15.12.2021 to 31.01.2022

IV B.Tech II Sem Value Added Course Attendance Sheet
Microsoft Technology Associate - Introduction to Java fundamentals

Sl. No	Roll No	Name of the student	5/1	6/1	7/1	8/1	10/1	11/1	12/1	17/1	18/1	19/1	20/1	21/1	22/1	24/1	25/1	27/1	28/1	29/1	30/1	31/1
1	18J41A0505	BEJANKI JYOTHI	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just	Just
2	18J41A0513	DATHRIKA KARTHIK	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth	Earth
3	18J41A0522	KAGITAPU ROHITH	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest	Rest
4	18J41A0532	KOTTE HEMANTH	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
5	18J41A0557	VADLAMUDI NAVEEN	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav	Nav
6	18J41A0574	CHINTALA ASHA SREE	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash
7	18J41A05A5	POTHARAM MOUNIKA	My	My	My	My	My	My	My	My	My	My	My	My	My	My	My	My	My	My	My	My
8	18J41A05B9	Y NISHANT	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish	Nish
9	18J41A05E2	GUDIMELLA AMRESH	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay	Ay
10	18J41A05L7	KONDETI PRANAVI	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran	Pran

Co-Ordinator



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Received

HOD
Department
Science and Engineering
Malla Reddy Engineering College (Autonomous)
Secunderabad, Telangana State - 500 100.

MALLA REDDY ENGINEERING COLLEGE (Autonomous)

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Secunderabad- 500100

Value Added Courses

On

“Microsoft Technology Associate - Introduction to Java fundamentals”

Organized by

Department of Computer Science and Engg.

FEED BACK FORM

Thank you for your Interest to attend value added courses:

Please provide your valuable feedback

1. How well was the session organized?

☒ Excellent

☐ Good

☐ Poor

2. How good is the content of this value Added course?

☒ Excellent

☐ Good

☐ Poor

3. Do you feel the resource person explain the all concepts?

☒ Excellent

☐ Good

☐ Poor

4. How all the topics given in the program scheduled been covered?

☒ Excellent

☐ Good

☐ Poor

5. Other comments if any : no comment



Reenu
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Nisanth
Signature of the participant

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Secunderabad- 500100

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☐ Excellent

☒ Good

☐ Poor

5. Other comments if any : _____



Reenu
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[Signature]
Signature of the participant



MALLA REDDY ENGINEERING COLLEGE

(Autonomous – main Campus))

Maisammaguda, Dhulapally (Post via Kompally), Secunderabad-500 100 , Telangana

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VALUE ADDED COURSES

On



“Certification program on Microsoft Technology Associate - Introduction to Java fundamentals”

Certificate

This is to certify that 18J41A0557, VADLAMUDI NAVEEN from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Microsoft Technology Associate - Introduction to Java fundamentals” held from 15.12.2021 to 31.01.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator




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VALUE ADDED COURSES


On

“Certification program on Microsoft Technology Associate - Introduction to Java fundamentals”

Certificate

This is to certify that 18J41A0522, KAGITAPU ROHITH from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Microsoft Technology Associate - Introduction to Java fundamentals” held from 15.12.2021 to 31.01.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator


HOD






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VALUE ADDED COURSES

On

“Certification program on Microsoft Technology Associate - Introduction to Java fundamentals”

Certificate

This is to certify that 18J41A0505, BEJJANKI JYOTHI from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Microsoft Technology Associate - Introduction to Java fundamentals” held from 15.12.2021 to 31.01.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator


HOD




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VALUE ADDED COURSES


On


“Certification program on Microsoft Technology Associate - Introduction to Java fundamentals”


Certificate


This is to certify that 18J41A05E2, GUDIMELLA AMRESH from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Microsoft Technology Associate - Introduction to Java fundamentals” held from 15.12.2021 to 31.01.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator


HOD


Principal


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VALUE ADDED COURSES

On

“Certification program on Microsoft Technology Associate - Introduction to Java fundamentals”

Certificate

This is to certify that 18J41A05A5, POTHARAM MOUNIKA from Department of Computer Science and Engineering successfully completed the Value Added Course on “Certification Program on Microsoft Technology Associate - Introduction to Java fundamentals” held from 15.12.2021 to 31.01.2022 organized by Department of Computer Science and Engineering, MREC (Autonomous) , Hyderabad, Telangana


Coordinator




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