



# Malla Reddy Engineering College

An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH,  
Hyderabad, Accredited by NAAC with 'A++' Grade (3<sup>rd</sup> Cycle), Maisammaguda (H),  
Medchal-Malkajgiri, Secunderabad Telangana-500100 [www.mrec.ac.in](http://www.mrec.ac.in)

## DEPARTMENT OF INFORMATION TECHNOLOGY

### REQUISITION LETTER

Date: 14.10.2022

To


The Principal,  
Malla Reddy Engineering College (Autonomous),  
Maisammaguda, Dhulapally,  
Secunderabad – 500100.

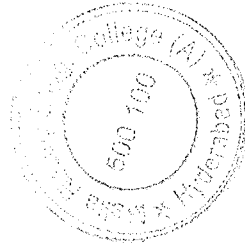
**Sub - Seeking Permission to conduct Value Added Course on “Devops”- Reg.**

Respected Sir,


In connection with the training programs being organized to get knowledge on recent technologies, department of IT is planning to organize a 30 hours value added program on “Devops” from 17.10.2022 to 22.10.2022 for IV Year Students. Hence I requested you to grant permission to organizing the value added Program on “Devops” in the above said dates.

Thank you Sir,

  
Principal,  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Secbad-500100.



Yours Sincerely,

  
HOD -IT  
Head  
Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500100.



## Malla Reddy Engineering College

(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited 3<sup>rd</sup> time by NAAC with 'A++' Grade, Maisammaguda, Medchal - Malkajgiri District, Secunderabad, Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)


### DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 14.10.2022

#### CIRCULAR

All the IV-I Students are hereby informed that Value Added Course on “Devops” from 17.10.2022 to 22.10.2022 is being organized by the Department of Information Technology .The Resource Person for the course is Mr.Hemanth, Trainer in AIML Analytics. Students are advised to register names to the program coordinator Mr.N.Satish Kumar on or before 15.10.2022 and utilize this opportunity to enhance the Skills by attending the program.


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

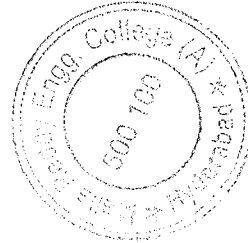
  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Medchal,  
(Post Via Kompally), Sec-abad-500100.

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD'S
- 3) Notice Boards
- 4) PA to Principal for filling

HOD-IT

  
Head  
Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500100.



### 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 aserene, 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 (III 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- Cyber Security, Artificial Intelligence and Machine Learning, Data Science and IOT 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. Ramaswami Reddy, Principal, MREC (A) who have a rich teaching and industrial experience.



### A One-Week Training program (Value Course)

On

“Devops”

(17<sup>th</sup> to 22<sup>nd</sup>, OCT 2022)

In Association with  
AIML Analytics



### Organized by Department of

Information Technology

**MALLA REDDY ENGINEERING COLLEGE**

(AUTONOMOUS) MAIN CAMPUS

An UGC Autonomous Institution, Approved

AICTE & Affiliated to JNTUH-Hyderabad

Reaccredited by NAAC with 'A++' Grade (III Cycle)

Maisammaguda (H), Gundlapochampally,

Medchal (M), Medchal - Malkajgiri District,

Telangana - 500100, India

Dept. of Information Technology  
Malla Reddy Engng. College (A)  
Maisammaguda-500100

### Advisory Committee:

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

**Patrons:** Malla Reddy Group of Institutions

**Sri. Ch. Mahender Reddy**, Secretary, MRGI

**Dr. Ch. Bhadra Reddy**

President, MRGI

**Co-Patrons:** Dr. Ramaswami Reddy

Principal, MREC (A)

**Convener:** Dr. Deena Babu .M

HOD IT

**Coordinator:** Mr. N. Satish Kumar

Assistant Professor, IT

### Organizing Committee:

**Ms. M. Sandhyavani**, Assistant Professor, IT

**Ms. Devi Sravani**, Assistant Professor, IT

**Ms. P. Swapna**, Assistant Professor, IT

### About the Department:

The Department of Information Technology was established in 2007 with intake of 60 Students and with specific Vision, Mission and Goals. From the day college was affiliated to Jawaharlal Nehru Technological University, Hyderabad (JNTUH) and recognized by AICTE, New Delhi the Department works under the Rules and Regulations JNTUH and AICTE. The course curriculum proposed by the JNTUH will be implemented strictly. However, if required the Department proposes modifications or inclusions of new courses in the curriculum to the JNTUH for consideration.

Malla Reddy Engineering College  
P. N. Ramaswami Reddy  
(Post: Maisammaguda) Secy: Maisammaguda-500100.



# Malla Reddy Engineering College

An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad, Accredited by NAAC with 'A++' Grade (3<sup>rd</sup> Cycle), Maisammaguda (H), Medchal-Malkajgiri, Secunderabad Telangana-500100 [www.mrec.ac.in](http://www.mrec.ac.in)

## Department of Information Technology

### “Value-Added Course Devops”

#### Schedule


Day & Date	10:00-11:10AM	11:10-11:20AM	11:20AM-1:00PM	1:00-2:00PM	2:00-4:00PM
17/10/2022	Introduction	Tea Break	Agile model, GIT	Lunch Break	Jenkins
18/10/2022	Installations		Docker		Chef
19/10/2022	Maven		Installations		Apache Tomcat
20/10/2022	Ansible		Environment setup		Problem Statement
21/10/2022	Analysis		Implementation		Result
22/10/2022	questionnaire		Recap		EXAM

  
Coordinator



  
HOD

Head  
Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500 100.

  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Malakalpur,  
(Post Via Kompally), Secbad-500100.



## MALLA REDDY ENGINEERING COLLEGE

(UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited by NAAC with 'A++' Grade (Cycle III),  
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,  
Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

**Department of Information Techology**  
**Value Added Course Enrolled List**  
**“Devops”**  
**(17.10.2022 to 22.10.2022)**

Sl.No	Roll No	Name
1	19J41A1201	A MANASA
2	19J41A1202	A RUSHI
3	19J41A1204	ALIMI ADITYA
4	19J41A1205	ALLURI ROHITH REDDY
5	19J41A1206	AMARANENI MAHITHA
6	19J41A1207	ANEM AKSHAY KUMAR
7	19J41A1208	ARGULA AKASH DAS
8	19J41A1209	BANAM YASHASWINI
9	19J41A1210	BASHAKARLA SUDHEEP
10	19J41A1211	BIJJALA LIKITHA
11	19J41A1212	BOGOJU AKASH
12	19J41A1213	BUDDINENI SAI RUTHVIK
13	19J41A1214	CHERLA SAI BHASKAR
14	19J41A1215	CHITUMALLA SREEJA
15	19J41A1216	D V SAI KUMAR
16	19J41A1217	DACHA RAHUL SIDDHARTH
17	19J41A1218	DEVANSHI POKALKAR



## MALLA REDDY ENGINEERING COLLEGE

(UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited by NAAC with 'A++' Grade (Cycle III), Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad, Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

### Department of Information Technology


### Value Added Course Certified Students List

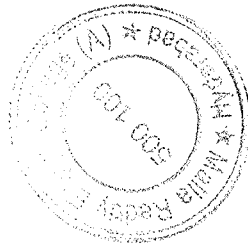
“Programming with ~~papers~~”


(05.12.2022 to 10.12.2022)

Sl.No	Roll No	Name
1	19J41A1201	A MANASA
2	19J41A1202	A RUSHI
3	19J41A1205	ALLURI ROHITH REDDY
4	19J41A1206	AMARANENI MAHITHA
5	19J41A1207	ANEM AKSHAY KUMAR
6	19J41A1208	ARGULA AKASH DAS
7	19J41A1209	BANAM YASHASWINI
8	19J41A1210	BASHAKARLA SUDHEEP
9	19J41A1211	BIJJALA LIKITHA
10	19J41A1212	BOGOJU AKASH
11	19J41A1213	BUDDINENI SAI RUTHVIK
12	19J41A1214	CHERLA SAI BHASKAR
13	19J41A1215	CHITUMALLA SREEJA
14	19J41A1217	DACHA RAHUL SIDDHARTH
15	19J41A1218	DEVANSHI POKALKAR
16	19J41A1219	DHANNAMANENI SUSHANTH
17	19J41A1220	G VARUN SAI

43	19J41A1248	POTTA GANESH
44	19J41A1249	PRAVEEN KUMAR KASAGALLA
45	19J41A1250	S KAILASH
46	19J41A1251	SAMALLA RAMTEJA
47	19J41A1252	SARASANI NAKUL REDDY
48	19J41A1253	SIRIGADA RAJITHA
49	19J41A1254	THIPPANI BHAVANI
50	19J41A1255	THOTA PRAVALLIKA
51	19J41A1256	VALLAPU HIMA BINDHU
52	19J41A1257	VARSHIT CHINTHA
53	19J41A1258	VEMULA SRUJAN KUMAR
54	19J41A1259	VISHNU PRIYA PUPPALA
55	19J41A1260	VIVEK SAI THOTA
56	20J45A1201	BATHINI ROSHAN GOUD
57	20J45A1202	DODDI SHASHANK
58	20J45A1203	K NAVEEN
59	20J45A1204	KARNATI AKHIL
60	20J45A1205	MOTHI AKHIL
61	20J45A1206	SENIGARAPU SAI KRISHNA

  
 Malla Reddy Engineering College  
 Matsamangala, Dhulepally,  
 (Post Via Kempally), Soc-had-598100.



HOD-IT  
  
 Head  
 Dept. of Information Technology  
 Malla Reddy Engg. College (A)  
 Matsamangala, Dhulepally

# DEVOPS

## **GIT:-**

Git is a distributed version-control system for tracking changes in source code during software development. It is designed for coordinating work among programmers, but it can be used to track changes in any set of files. Its goals include speed, data integrity, and support for distributed, non-linear workflows.

Git was created by Linus Torvalds in 2005 for development of the Linux kernel, with other kernel developers contributing to its initial development. Its current maintainer since 2005 is Junio Hamano. As with most other distributed version-control systems, and unlike most client–server systems, every Git directory on every computer is a full-fledged repository with complete history and full version-tracking abilities, independent of network access or a central server.

## **Install git:-**

- You should be running a server with any Ubuntu 16.04 LTS release.
- You will need to log in to SSH via the root user.

First, as always, we should start out by running general OS and package updates. On Ubuntu we'll do this by running:



```
! filename.html  
>> "git add -f filename"  
>> "git checkout filename"
```

## Git SERVER:-

Development of the GitHub platform began on October 19, 2007.[55][56] [57] The site was launched in April 2008 by Tom Preston-Werner, Chris Wanstrath, P. J. Hyett and Scott Chacon after it had been made available for a few months prior as a beta release.[58]

Projects on GitHub can be accessed and manipulated using the standard Git command-line interface and all of the standard Git commands work with it. GitHub also allows registered and unregistered users to browse public repositories on the site. Multiple desktop clients and Git plugins have also been created by GitHub and other third parties that integrate with the platform.

The site provides social networking-like functions such as feeds, followers, wikis (using wiki software called Gollum) and a social network graph to display how developers work on their versions ("forks") of a repository and what fork (and branch within that fork) is newest.

A user must create an account in order to contribute content to the site, but public repositories can be browsed and downloaded by anyone. With a registered user account, users are able to have discussions, manage repositories, submit contributions to others' repositories, and review changes to code. GitHub began offering unlimited private repositories at no cost in January 2019 (limited to three contributors per project). Previously, only public repositories were free.

## Installation :-

```
>> JAVA 8 version need to be installed  
>> Terminal should be updated  
>> Should have gitbucket .war should be downloaded  
>> IP Address should be Reserved and should fix manually  
>> Change to Root user - sudo su -root  
>> Install the Vim software – apt-get install vim
```

a directory tree) so that modifications can occur in parallel along multiple branches.

Branches are also known as trees, streams or codelines. The originating branch is sometimes called the parent branch, the upstream branch (or simply upstream, especially if the branches are maintained by different organizations or individuals), or the backing stream. Child branches are branches that have a parent; a branch without a parent is referred to as the trunk or the mainline.

```
>> git branch
>> git branch newbranchname
>> git checkout branchtochange
>> git merge branchnametomerge
>> git checkout master
>> git branch -D branchname
>> git push origin --delete branchname
```

## **Stash Area:-**

```
>> git add .
>> git stash save filename
>> git stash list – To view the stashed files
```

Play with data in Stash Area

```
>> Copy + paste = Take a copy from stash area and use it in normally git stash apply stashID
>> Cut + paste = Move a file from stash and use it normally git stash pop stashID
>> Delete = Remove files from stash Area
>> git stash drop stashID
```

## **Creating Version tags:-**

```
>> git tag versionnumber = Creating a version tag
>> git tag = Wrapping the files and pushing into version
>> git push -u myproject versionnumber = Pushing into github
>> git tag -d versionnumber = Remove versions locally
```

can query these attributes and use the resulting data to help configure the node.

## Chef-server installation:-

```
>> hostname -f
>> cd ~
wget https://opscode-omnibus-
packages.s3.amazonaws.com/ubuntu/12.04/x86_64/chef-server_11.0.10-
1.ubuntu.12.04_amd64.deb
>> sudo dpkg -i chef-server*
>> sudo chef-server-ctl reconfigure
>> https://server_domain_or_IP
>> Default Username: admin
>> Default Password: p@ssw0rd1
>> mkdir -p ~/chef-repo/.chef
>> https://server_domain_or_IP
>> #chef-manage-ctl reconfigure
>> #chef-server-ctl user-create student student student "student@pivotal.com"
"redhat" -f student.pem
>> #chef-server-ctl org-create myorg "pivotalsoft" -a student -f myorg-
validator.pem
>> #chef-server-ctl restart (for restart)
>> #chef-server-ctl start (for start)
>> #chef-server-ctl stop (for stop)
```

## chef node installation:-

```
>> updat ip & hostadd
>> #dpkg -i chef-client.....
>> mkdir -p /etc/chef
copy both .pem files
>> cd /etc/chef
>> vi client.rb
log_level      :info
log_location   STDOUT
chef_server_url 'https://chefserver.pivotal.com/organizations/myorg'
```

Writing cookbooks/recipes

**sample cookbooks:-**

```
>> chef generate cookbook sample_file
>> vi /chef/cookbook/sample_file/recipes/default.rb
file "/tmp/test.txt" do
  owner "root"
  group "root"
  mode "0644"
  content "hiii this is test file"
  action :create
end
>> knife cookbook upload sample_file
>> knife node run_list add chefnode.pivotal.com sample_file
>> go to chefnode add type "chef-client"
```

**Creates the sysadmin group and users:-**

```
users_manage 'sysadmin' do
  group_id 2300
  action [:create]
end
```

Creates the testgroup group, and users

```
users_manage 'testgroup' do
  group_id 3000
  action [:create]
  data_bag 'test_home_dir'
end
```

Creates the nfsgroup group, and users

```
users_manage 'nfsgroup' do
  group_id 4000
  action [:create]
  data_bag 'test_home_dir'
  manage_nfs_home_dirs false
end
```



# Malla Reddy Engineering College

(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad). Accredited 3<sup>rd</sup> time by NAAC with 'A++' Grade, Maisammaguda, Medchal - Malkajgiri District, Secunderabad, Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

## Department of Information Technology

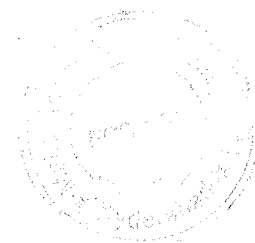
### Value Added Course On “Devops”

Date: 22.10.2022

### Examination Question Paper

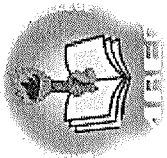
1.	Which two configuration properties does the tool expect to be configured after installing Git and prior to issuing the first commit? A) email address and password B) username and email address C) username and IP address D) username and password
2.	Command to check out a branch from the repository in the working directory? A) git init B) git checkout C) git add D) git commit
3.	What is the use of Git? A) Containerization tool B) Continuous Integration tool C) Version Control System tool D) Continuous Monitoring tool
4.	How do you check the state of your local git repository since your last commit? A) git check B) git diff C) git commit D) git status
5.	Which of the following is the correct way to initialize a new Git repository? A) git add B) git init C) git commit D) none of the above
6.	What is Docker? A) An open platform based on Linux containers for developing, shipping, and running applications. B) Docker is a closed platform based on Linux containers for developing, designing and deploying. C) Docker is an open platform based on Windows containers for developing, shipping, and running applications. D) None of the above
7.	Which sentence describes better Docker? A) Build once, run twice B) Build once, run everywhere C) Easy to run, is much more fun D) All of the above
8.	Who introduced docker? A) Linus Torvalds, Mark Zuckerberg and Brendan Eich B) Kamel Founadi, Solomon Hykes, and Sebastien Pahl C) Brendan Eich, Sebastien Pahl and Greg Duffy D) Mike Cagney, Suhail Doshi and Chris Wanstrath
9.	What is Gerrit? A) A version control system B) A web-based code review tool

Principal  
Malla Reddy Engineering College  
Maisammaguda, Malkajgiri,  
(Post Via Kompally), Sec-abad-500100.



	C) A programming language D) A server management tool
10.	Which version control systems does Gerrit support? A) Git only B) SVN only C) Both Git and SVN D) None of the above
11.	What is the purpose of the Gerrit workflow? A) To ensure that code changes are thoroughly reviewed before they are merged B) To automate the code review process C) To track code changes made by different developers D) To manage code repositories
12.	What is the purpose of the Verified label in Gerrit? a) To indicate that a change has been reviewed and approved by a maintainer b) To indicate that a change has passed automated tests c) To indicate that a change is ready to be merged d) To indicate that a change has been abandoned
13.	What is the purpose of the Code-Review label in Gerrit? a) To indicate that a change has passed automated tests b) To indicate that a change has been reviewed and approved by a maintainer c) To indicate that a change is ready to be merged d) To indicate that a change has been abandoned
14.	Which one of these statements is true? A. Pull does not update the local branch tip. B. Fetch does not update the local branch tip. C. Fetch may result in a merge conflict D. None
15.	Which one of these statements is true? A. Pull combines fetch and merge. B. Pull combines fetch and push. C. Push combines fetch and merge D. None
16.	A pull may result in which one of the following? A. A new checked out branch. B. A merge commit on the remote repository. C. A fast-forward merge. D. None
17.	Which one of these is the main goal of a pull request? A. Obtain a clone of a repository. B. Create a branch. C. Merge a branch into a project. D. None
18.	A pull may result in which one of the following? A. A new checked out branch. B. A merge commit on the remote repository. C. A fast-forward merge. D. None
19.	Git is a _____ A. Distributed version control system B. Centralized version control system C. Localized version control system D. All of the above
20.	Which of the following is true about Git? 1. Git does not rely on the central server. 2. Git require network connection only to publish your changes and take the latest changes. 3. Every git checkout is a full backup of the server repository. A. Only 1 & 2 B. Only 1 & 3 C. Only 2 & 3 D. All of the above
21.	The files that can be committed are always present in git A. working directory B. staging area C. unstaged area D. Anywhere, there is no barrier

22.	<p>What is a service group in Nagios?</p> <p>A. A group of hosts with similar characteristics    B. A group of services with similar characteristics</p> <p>C. A group of users with similar permissions        D. A group of plugins with similar functionality</p>
23.	<p>When can you open a pull request?</p> <p>A. When you want feedback on your work.    B. Only when the branch is created.</p> <p>C. Only when the branch is ready to be merged.    D. None</p>
24.	<p>Which one of these statements about forking workflows is true?</p> <p>A. Using a forking workflow is discouraged.</p> <p>B. The forked repository must have write access to the upstream repository.</p> <p>C. A forking workflow involves multiple remote repositories.    D. None</p>
25.	<p>_____ is a repository of Ansible roles that can be shared among users and can be directly dropped into playbooks for execution.</p> <p>A. Modules    B. Functions    C. Galaxy    D. Standalone</p>



## MALLA REDDY ENGINEERING COLLEGE

(UGC Autonomous Institution, Affiliated to JNTUH and Accredited by NAAC with grade 'A++'), Maisammaguda (H), Secunderabad, Telangana State – 500100. www.mrec.ac.in





### Certificate

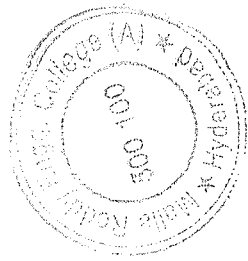
*This is to certify that Mr./Ms.D.RAHUL SIDDHARTHA  
Bearing Roll.No 19JA1A1217 has successfully completed Value Added  
Course on "Devops" from 17.10.2022 to 22.10.2022, organized by the  
Department of Information Technology, MREC(A).*

  
COORDINATOR

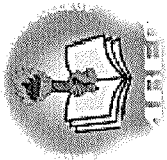
HOD-IT

  
Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500 100.

  
PRINCIPAL  
Malla Reddy Engineering College  
Maisammaguda, Guntur District,  
(Post Via Kompally) Sec-500100.







## MALLA REDDY ENGINEERING COLLEGE


(UGC Autonomous Institution, Affiliated to JNTUH and Accredited by NAAC with grade 'A++'), Maisammaguda (H), Secunderabad, Telangana State – 500100. www.mrec.ac.in




### Certificate

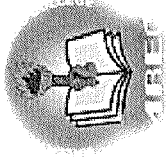
This is to certify that Mr./Ms.MANULLU NISHVITHA  
Bearing Roll.No 19J41A1238 has successfully completed Value Added  
Course on "Devops" from 17.10.2022 to 22.10.2022, organized by the  
Department of Information Technology, MREC(A).

  
COORDINATOR

  
HOD-IT  
Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500 100.

  
PRINCIPAL  
Malla Reddy Engineering College  
Maisammaguda, Secunderabad  
(Post Via Company), Secbad 500100.





## MALLA REDDY ENGINEERING COLLEGE

(UGC Autonomous Institution, Affiliated to JNTUH and Accredited by NAAC with grade 'A++'), Maisammaguda (H), Secunderabad, Telangana State – 500100. www.mrec.ac.in




### Certificate

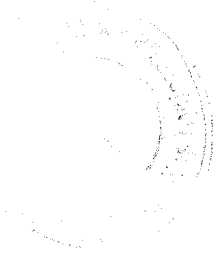
*This is to certify that Mr./Ms.SAMALLA RAMTEJ  
Bearing Roll.No 19I41A1251 has successfully completed Value Added  
Course on "Devops" from 17.10.2022 to 22.10.2022, organized by the  
Department of Information Technology, MREC (A).*

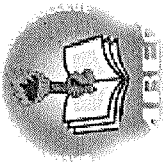
  
COORDINATOR

HOD-IT

  
Dept. of Information Technology  
Malla Reddy Engg. College (A),  
Maisammaguda, Sec-100

  
PRINCIPAL  
Malla REDDY College  
Maisammaguda, Secunderabad,  
(Post Via Company), Sec-100-500100.





## MALLA REDDY ENGINEERING COLLEGE

(UGC Autonomous Institution, Affiliated to JNTUH and Accredited by NAAC with grade 'A++'), Maisammaguda (H), Secunderabad, Telangana State – 500100. www.mrec.ac.in



### Certificate

*This is to certify that Mr./Ms. VALLAPU HIMABINDHU  
Bearing Roll.No 19J41A1256 has successfully completed Value Added  
Course on "Devops" from 17.10.2022 to 22.10.2022, organized by the  
Department of Information Technology, MREC (A).*

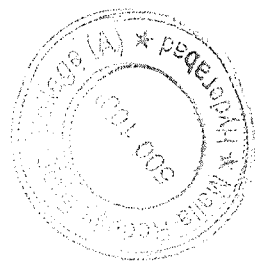
  
COORDINATOR

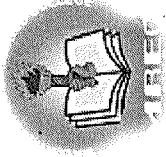
HOD-IT

  
Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500100.

PRINCIPAL

  
Maisammaguda, Chhatrapally,  
(Post Via Kompally), Sec-500100.





## MALLA REDDY ENGINEERING COLLEGE

(UGC Autonomous Institution, Affiliated to JNTUH and Accredited by NAAC with grade 'A++'), Maisammaguda (H), Secunderabad, Telangana State – 500100. www.mrec.ac.in



### Certificate


*This is to certify that Mr./Ms.SENIGARAPU SAI KRISHNA bearing Roll.No 20J45A1206 has successfully completed *Value Added Course on “Devops”* from 17.10.2022 to 22.10.2022, organized by the Department of Information Technology, MREC(A).*

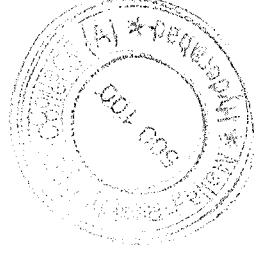
  
COORDINATOR

HOD-IT

Prof.

Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500 100.

  
Malla R. PRINCIPAL  
Maisammaguda, Secunderabad,  
(Post Via Kompally), Secunderabad-50100.





**MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)**  
(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to  
JNTUH, Hyderabad). Accredited 3<sup>rd</sup> time by NAAC with 'A++' Grade,  
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,  
Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)

**DEPARTMENT OF INFORMATION TECHNOLOGY**

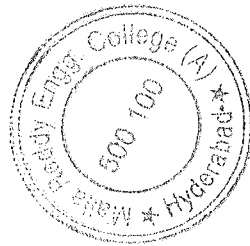
**Date: 27.12.2022**

**Report of Value Added Course on Programming with Devops**

A six days program on **Devops** was organized by the department of Information Technology for IV years. The resource person of the program is Mr.Hemanth. The course involves the introduction of devops and tools. The event was coordinated by Mr.N.Satish Kumar, Asst.Professor, IT Department from **17.10.2022 to 22.10.2022** and 67 students.

After the training programme, the students learned the following,

- The importance of Devops process.
- The usage of Tools like GIT, DOCKER, MAVEN, ANSIBLE.
- Acquired practical knowledge of the course.



*Handwritten signature*

**HOD IT**  
Head  
Dept. of Information Technology  
Malla Reddy Engg. College (A)  
Maisammaguda-500 100.



# Malla Reddy Engineering College

An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad, Accredited by NAAC with 'A++' Grade (3<sup>rd</sup> Cycle), Maisammaguda (H), Medchal-Malkajgiri, Secunderabad Telangana-500100 [www.mrec.ac.in](http://www.mrec.ac.in)

## DEPARTMENT OF INFORMATION TECHNOLOGY

Title of the Session: Devops.

Department & Designation: IT / student

Date of the Session: 22/10/22

S.No		Excellent	Very Good	Good	Average
1	The Session Objective were stated clearly and met		✓		
2.	The Workshop was well Organized	✓			
3.	The information and / or skills presented were relevant and useful for Career		✓		
4	The presenter responded to questions effectively?	✓			
5	The overall assessment of the Session	✓			
6	The session content met your Expectations	✓			

Excellent:4 Very Good:3 Good:2 Average:1

### Suggestions If any:

It was excellent program to learn more need some more fast explanation.



# Malla Reddy Engineering College

An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad, Accredited by NAAC with 'A++' Grade (3<sup>rd</sup> Cycle), Maisammaguda (H), Medchal-Malkajgiri, Secunderabad Telangana-500100 [www.mrec.ac.in](http://www.mrec.ac.in)

## DEPARTMENT OF INFORMATION TECHNOLOGY

Title of the Session: *Devops.*

Department & Designation: *IT/Student*

Date of the Session: *2/10/22*

S.No		Excellent	Very Good	Good	Average
1	The Session Objective were stated clearly and met	✓			
2.	The Workshop was well Organized	✓			
3.	The information and / or skills presented were relevant and useful for Career	✓			
4	The presenter responded to questions effectively?		✓		
5	The overall assessment of the Session	✓			
6	The session content met your Expectations	✓			

Excellent:4 Very Good:3 Good:2 Average:1

Suggestions If any: *Good. Experience was good.*