MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda(H), Gundlapochampally Village,Medchal Mandal, Medchal-Malkajgiri District, Telangana State – 500100

CIRCULAR

Date: 12/12/2017

All the 2nd/II Year/Sem students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like Autonomous Robotics -II, Multimedia - 2D Basic Concepts, Green Matte Studio - Audio Editing, Different Technologies of Additive Manufacturing, PYTHON With DJANGO, Foundations Of Blockchain, Labview in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 18/12/2017. For further details, please contact Centre of Excellence, MREC(A)

Principal

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

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12. System Admin
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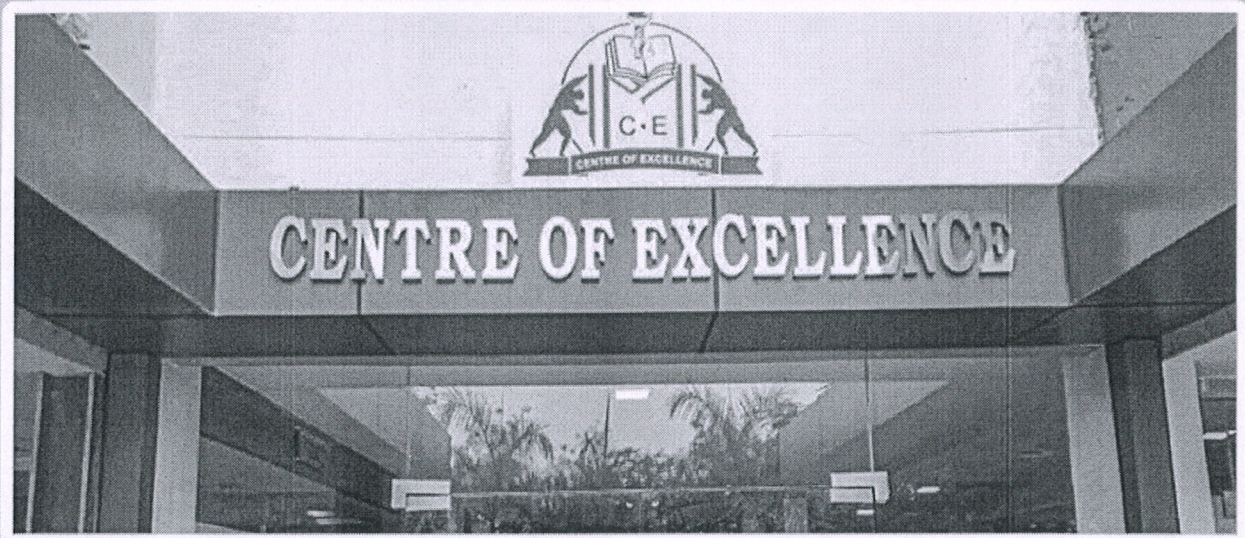
COMPUTER SOFTWARE

HTML ,PYTHON WITH DJANGO ,JAVA , SCRATCH PROGRAMMING

LAB VIEW, FOUNDATION OF BLOCK CHAIN, MATLAB, BLOCK CHAIN REVOLUTION, MATLAB PRO, ADVANCE JAVA, ADVANCE PYTHON.
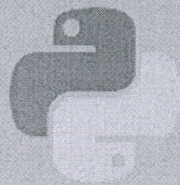
python   Java

Course Duration -: 4 Months

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Before Software can be Reusable
it First has to be Usable.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Name: Python with DJANGO

Introduction to Django

What Is a Web Framework? The MVC Design Pattern, Django's History

Installation of Django

 Installing Python, Installing Django, Setting Up a Database, Starting a Project , The Development Server, Django Commands Overview

The Basics of Dynamic Web Pages

Your First View: Dynamic Content, Mapping URLs to Views, How Django Processes a Request, URL configurations and Loose Coupling , Your Second View: Dynamic URLs, A Word About Pretty URLs, Wildcard URL patterns, Django's Pretty Error Pages

The Django Template System

 Template System Basics, Using the Template System, Creating Template Objects, Rendering a Template, Multiple Contexts, Same Template, Context Variable Lookup, Playing with Context Objects, Basic Template Tags and Filters Tags, Philosophies and Limitations, Using Templates in Views, Template Loading, render_to_response(), The locals() Trick, Subdirectories in get_template(), The include Template Tag. Template Inheritance

Interacting with a Database: Models

The "Dumb" Way to Do Database Queries in Views, The MTV Development Pattern, Configuring the Database, Your First App Defining Models in Python, Your First Model, Installing the Model, Basic Data Access, Adding Model String Representations Inserting and Updating Data, Selecting Objects, Filtering Data, Retrieving Single Objects, Ordering Data, Chaining Lookups, Slicing Data, Deleting Objects,Making Changes to a Database Schema, Adding Fields, Removing Fields, Removing Many to Many Fields, Removing Models

The Django Administration Site

Activating the Admin Interface, Using the Admin Interface, Users, Groups and Permissions, Customizing the Admin Interface, Customizing the Admin Interface's Look and Feel, Customizing the Admin Index Page

Form Processing

Search, the "Perfect Form", Creating a Feedback Form, Processing the Submission, Custom Validation Rules, A Custom Look and Feel, Creating Forms from Models

MALLA REDDY ENGINEERING COLLEGE

(An UGC Autonomous Institution, Affiliated to JNTUH,
Accredited 2nd time by NAAC with 'A' Grade & NBA)
Maisammaguda (H), Medchal-Malkajgiri District,
Telangana State – 500100

Advanced Views and URL configurations

URL configuration Tricks, Streamlining Function Imports, Using Multiple View Prefixes

Special-Casing URLs in Debug Mode, Using Named Groups, Understanding the Matching/Grouping Algorithm

Passing Extra Options to View Functions, Using Default View Arguments, Special-Casing Views

Capturing Text in URLs, Determining What the URL configuration Searches Against, Including Other URL configurations

How Captured Parameters Work with include(), How Extra URL configurations Options Work with include()

Section II : Django Sub Framework

Generic Views,

Using Generic Views, Generic Views of Objects, Extending Generic Views, Making "Friendly" Template Contexts

Adding Extra Context,Viewing Subsets of Objects, Complex Filtering with Wrapper Functions, Performing Extra Work

Extending the Template Engine

Template Language Review,Request Context and Context Processors, django.core.context_processors.auth django.core.context_processors.debug, django.core.context_processors.i18n django.core.context_processors.request, Guidelines for Writing Your Own Context Processors, Inside Template Loading, Extending the Template System, Creating a Template Library,Writing Custom Template Filters, Writing Custom Template Tags, Shortcut for Simple Tags,Inclusion Tags,Writing Custom Template Loaders, Using the Built-in Template Reference,Configuring the Template System in Standalone Mode

Generating Non-HTML Content

The Basics: Views and MIME Types,Producing CSV, Generating PDFs, Installing Report Lab, Writing Your View, Complex PDFs, Other Possibilities, The Syndication Feed Framework, Initialization. A Simple Feed, A More Complex Feed,Specifying the Type of Feed, Enclosures, Language, URLs, Publishing Atom and RSS Feeds in Tandem, The Sitemap Framework, Installation, Initialization, Sitemap Classes, Shortcuts, Creating a Sitemap Index, Pinging Google
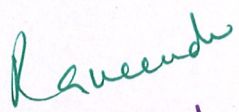
Sessions, Users and Registration

Cookies, Getting and Setting Cookies, The Mixed Blessing of Cookies, Django's Session Framework, Enabling Sessions, Using Sessions in Views, Setting Test Cookies, Using Sessions Outside of Views, When Sessions Are Saved, Browser-Length Sessions vs Persistent Sessions, Other Session Settings, Users and Authentication, Enabling Authentication Support, Using Users, Logging In and Out, Limiting Access to Logged-in Users, Limiting Access to Users Who Pass a Test, Managing Users, Permissions and Groups, Using Authentication Data in Templates,The Other Bits: Permissions, Groups, Messages and Profiles, Permissions , Groups, Messages, Profiles

	MALLA REDDY ENGINEERING COLLEGE (Autonomous) Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100	Course:PYTHON WITH DJANGO
		Date:18/12/2017 to 19/04/2018

Registered Students

SL.No	Roll No	NAME	BRANCH
1.	16J41A0104	AKKALA SNITHIKA	CE
2.	16J41A0109	B.KARTHIK	CE
3.	16J41A0115	BOUTHU RAJESH	CE
4.	16J41A0121	EDIGI KEERTHICHANDANA	CE
5.	16J41A0133	MASKE VAISHNAVI	CE
6.	16J41A0213	CHILAKARAJU SAISREENADH	EEE
7.	16J41A0216	DARAMONI SNEHARIKA	EEE
8.	16J41A0220	G. VENKAT SURENDRA REDDY	EEE
9.	16J41A0225	K.BHAGYA LAKSHMI	EEE
10.	16J41A0229	KOKKULA HARIKRISHNA	EEE
11.	16J41A0231	KOTHLAPURAM AKSHAYA	EEE
12.	16J41A0305	BILLURI HARSHA VARDHAN REDDY	ME
13.	16J41A0309	CHANDA VIJAY RAMA RAO	ME
14.	16J41A0317	JADHAV YOGESHWAR	ME
15.	16J41A0329	MANDE SAI LAXMAN	ME
16.	16J41A0334	NANDI REDDY NITTESH KUMAR	ME
17.	16J41A0336	PARCHA RISHI KASYAP	ME
18.	16J41A0402	ANNAPARTHI SREE DIVYA	ECE
19.	16J41A0405	BATHULA SRAVANI	ECE
20.	16J41A0416	D.RAMANI	ECE
21.	16J41A0422	JAHNAVI POLEPAKA	ECE
22.	16J41A0428	KONDAPALLY MEGHANA REDDY	ECE
23.	16J41A0432	MOHAMMED IRFAN	ECE
24.	16J41A0501	A LAKSHMI PRATYUSHA	CSE
25.	16J41A0509	CH.VENKATA RAJASHEKAR REDDY	CSE
26.	16J41A0517	GOLLA JOSEPH LIVINGSTON	CSE
27.	16J41A0525	KANAKA DEEPIKA	CSE
28.	16J41A0526	KANDIKATLA PRADEEP	CSE
29.	16J41A0531	KOVURI GOPI RAJ	CSE
30.	16J41A0104	AKKALA SNITHIKA	CE

SUMMARY

PYTHON WITH DJANGO

Django is a high-level Python web framework that enables rapid development of secure and maintainable websites. Built by experienced developers, Django takes care of much of the hassle of web development, so you can focus on writing your app without needing to reinvent the wheel. It is free and open source, has a thriving and active community, great documentation, and many options for free and paid-for support.

Django helps you write software that is:

Complete

Django follows the "Batteries included" philosophy and provides almost everything developers might want to do "out of the box".

Versatile

Django can be (and has been) used to build almost any type of website — from content management systems and wikis, through to social networks and news sites. It can work with any client-side framework, and can deliver content in almost any format (including HTML, RSS feeds, JSON, XML, etc). The site you are currently reading is built with Django!

Secure

Django helps developers avoid many common security mistakes by providing a framework that has been engineered to "do the right things" to protect the website automatically

Scalable

Django uses a component-based "shared-nothing" architecture (each part of the architecture is independent of the others, and can hence be replaced or changed if needed). Having a clear separation between the different parts means that it can scale for increased traffic by adding hardware at any level: caching servers, database servers, or application servers.

Maintainable

Django code is written using design principles and patterns that encourage the creation of maintainable and reusable code. In particular, it makes use of the Don't Repeat Yourself (DRY) principle so there is no unnecessary duplication, reducing the amount of code.

Portable

Django is written in Python, which runs on many platforms. That means that you are not tied to any particular server platform, and can run your applications on many flavours of Linux, Windows, and Mac OS X.

MALLA REDDY ENGINEERING COLLEGE

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Certificate

Of the Course Completion

This is to Certify that

AITHA REVANTH

has Sucessfully Completed Data Science With Programming Course Offered by Centre of Excellence, MREC(A) on ___11/11/2017___ bearing with Roll No. ___16J41A0361___ and Branch ___ME___ .

Dr.Yogesh Madaria
CONVENOR

Ravee ~~gh~~

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr.S.Sudhakara Reddy
Conference Chair &Principal

MALLA REDDY ENGINEERING COLLEGE

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Certificate

Of the Course Completion

This is to Certify that

ANUGU RUTHWIK REDDY

has Sucessfully Completed Data Science With Programming Course Offered by Centre of Excellence, MREC(A) on ___11/11/2017___ bearing with Roll No. ___16J41A0562___ and Branch ___CSE___ .

Dr.Yogesh Madaria
CONVENOR

Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally,
(Post Via Kompally), Sec'bad-500100

Dr.S.Sudhakara Reddy
Conference Chair &Principal

MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION

Certificate

Of the Course Completion

This is to Certify that

KONDAM DIVYA

has Sucessfully Completed Data Science With Programming Course Offered by Centre of Excellence, MREC(A) on ___11/11/2017___ bearing with Roll No. ___16J41A0193___ and Branch ___CE___ .

Dr.Yogesh Madaria
CONVENOR

Principal
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Dr.S.Sudhakara Reddy
Conference Chair &Principal