

# DADI INSTITUTE OF ENGINEERING & TECHNOLOGY



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NAAC Accredited Institute & Inclusion u/s 2(f) & 12(B) of the UGC Act  
NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh, diet.edu.in

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## Electronics and Communications Engineering

### PYTHON PROGRAMMING

#### **Course Instructor:**

Malla Kishore Kumar  
Assistant Professor, ECE Department  
Dadi Institute of Engineering & Technology

#### **Duration :**

4 Weeks : (27/12/2021 – 28/01/2022)

#### **Overview & Need for the Course:**

Students are instructed to learn the basics of Python Programming in this course. However they need to learn some advanced topics for working on real time applications. The course covers content required to develop basic projects on Python Programming, in signal processing domain.

#### **Course Objectives: To**

- Understand the basic data operations in Python Programming
- Provide knowledge on built in commands.
- Develop the skill required to handle large amounts of data.
- Make the student handling real time sensor data.

#### **Course Outcomes:**

By the end of the course, the student will be able to

- Handle matrix operations.
- Generate and manipulate data as per the requirement.
- Develop real time projects using Python Programming.

## Requirements

- Basic Knowledge on C-Programming.
- A Computer with an Internet Connection.

## Course Contents:

1. Course overview
2. Command
3. Python Programming desktop and editor
4. Vector and matrix
5. Indexing into and modifying arrays
6. Array calculations
7. Calling function
8. Obtaining help
9. Plotting data
10. Logical arrays
11. Programming
12. Final project
13. Conclusion

## List of Participated students:

20U41A0401	ADARI YASHWANTHINI
20U41A0402	BODDAPATI MEGHANA
20U41A0403	MODE DEEPTHI
20U41A0404	VASIREDDI SIVAJI
20U41A0405	MATHALA VIJAYA
20U41A0406	CHATTI DIVYA
20U41A0407	ALLU ROOPA DEVI
20U41A0408	KANDREGULA SANJANA
20U41A0409	KARANAM AKHIL
20U41A0410	VIYYAPU LOKESH

20U41A0411	BANDARU AKHILA
20U41A0412	VARRE ROHITH
20U41A0413	YERUKULA SRIRAM SAI KUMAR
20U41A0414	KASIREDDY SHYAM SAMPATH KUMAR
20U41A0415	PADALA PREETHI
20U41A0416	APPANA PREM VASANTH KUMAR
20U41A0417	ALAJANGI BARGAVI
20U41A0418	TAMARANA RAMA GANESH
20U41A0419	KONATHALA DIVYASREE
20U41A0420	KONCHADA REVANTH
20U41A0421	ADARI KUSUMA
20U41A0422	SARAGADAM PARNITHA
20U41A0423	GANTA SUNIL KUMAR
20U41A0424	DANNINA NAVYA
20U41A0425	BOTTA BHANU LOKESH
20U41A0426	MADETI NAVEENA
20U41A0427	ADARI PRUDHVI
20U41A0428	NEMALAPURI PRAVEEN KUMAR
20U41A0429	AMPOLU SAI TEJA
20U41A0430	MAMIDI MOUNIKA
20U41A0431	RANGU RAJASHEKAR
20U41A0432	BALAJI VEYYIDHALAMULA
20U41A0433	ATHOTA DINESH RAJ
20U41A0434	KARANAM AJITH KUMAR

20U41A0435	SATYALA SAI SRUJANA
20U41A0436	PITHANI MURARI
20U41A0437	VIYYAPU MOUNIKA SAI
20U41A0438	PATNALA DEEPAK
20U41A0439	TULAGAPU VINAY
20U41A0440	PALLA ROHIT
20U41A0441	BESETTI NANI AVINASH RATNA
20U41A0442	GALLA VAHINI KRISHNA
20U41A0443	MOYYA SAIMANIKANTA
20U41A0444	DATTI SHANMUKHA NAIDU
20U41A0445	BODDEDA KUSUMA
20U41A0446	KARUKONDA SHIVA NAGA SAI ABHISHEK
20U41A0447	KONATHALA MANOJ BABU
20U41A0448	SIDDANATHI LEELADHAR
20U41A0449	PYLA SIVA DURGA MANI TEJA
20U41A0450	NANDANA SAI KUMAR GOUD

20U41A0451	TENTU PRATYUSHA
20U41A0452	LAKKOJU VEERENDRA SAI
20U41A0453	TATTIKOTA RAMYA
20U41A0454	TALARI SANDHYA SRI
20U41A0455	PUCHAKAYALA VENKATA SATYANARAYANA REDDY
20U41A0456	BONDA MOHAN KIRAN
20U41A0457	MD HASSAIN AKRAM

20U41A0458	PUTREVVU JAI DEEP
20U41A0459	BANDARU JYOTSNA
20U41A0460	KANTREDDY LIKHITH
20U41A0461	PATINA SHANKAR YASHWANTH
20U41A0462	KOTYADA SAI ESWAR
20U41A0463	MEDIBOYINA VAMSI
20U41A0464	KOTAPADU SRINU
20U41A0465	GANISETTI POORNA CHANDRA
20U41A0466	VEGI MANI KISHOR
20U41A0467	JANAPATI SESA SAI MONIKA
20U41A0468	KOIDALA NIKIL
20U41A0469	RAVI JAYANTHI
20U41A0470	BUDDHA JYOTSNA
20U41A0471	CHANDAKA KIRAN KUMAR
20U41A0472	MARADUPUDI PRANUSHA
20U41A0473	PEMMADA SYAMA
20U41A0474	BODDEDA SYAMJAY MADHAV
21U45A0401	BANDARU JAYANTH
21U45A0402	DADI DALYA RAM
21U45A0403	SHEIK SHAHANAZ
21U45A0404	GARAGABOYINA HEMANTH SATEESH KUMAR
21U45A0405	BHEESETTI JHANSI
21U45A0406	YELUSURI JANARDHAN
21U45A0407	GORLI SYAMALA
21U45A0408	GORLI POORNIMA

21U45A0409	BAMMIDI AKHILA
21U45A0410	DASARI GAYATRI
21U45A0411	MEDAPATI AMBICA JAYASRI
21U45A0412	POTHABATTULA KARTHIK
21U45A0413	KANDREGULA VAMSI
21U45A0414	TALLURI VAMSI SAI KAMA KRISHNA
21U45A0415	VUDI NAGENDRA
21U45A0416	ARYASOMAYAJULA SOMA SAI SATISH
21U45A0417	KOSURU SUMITHRA
21U45A0418	VANKAYALA SIVA KRISHNA
21U45A0419	EERE MANOHAR
21U45A0420	NAVARA SHALINI
21U45A0421	PALLELA KALYAN
21U45A0422	YEDIRI HARISH KUMAR

**Total: 96**

**Classroom:**



**Certificate:**

