

## DADI INSTITUTE OF ENGINEERING & CHOOLOGY (Approved by A.I.C.T.E., New Delhi & Camp; Affiliated to JNTUK, Kakinada) A NAAC Accredited Institute

An ISO 9001:2008; ISO 14001:2004 & DHSAS 18001:2007 Certified Institution NH-5, Anakapalle – 531002, Visakhapatnam, A.P.

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Date: 25-05-2018 Anakapalle

To
The Principal,
Dadi Institute of Engineering & Technology
Anakapalle, Visakhapatnam.

Sub: Request for Approval to conduct Faculty Development Program (FDP) on Machine Learning with Python – Reg

Respected Sir,

Research & Development Center is proposing to conduct Faculty Development Program (FDP) on Machine Learning with Python .In this regard, we request you to give approval to conduct this event from 1/6/2018 to 3/6/2018(Part-1) & 8/6/2018 to 10/6/2018(Part-2).

Thank You Sir,

Yours faithfully CSE HOD

PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE 531 002

Head of the Department Computer Science and Engg Dadi Institute of Engg. & Technology Anakapatle - 531 002



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## Circular

This is to inform all the Faculty members that the Research & Development Center is conducting Faculty Development Program (FDP) on Machine Learning with Python from 1/6/2018-3/6/2018(Part-1) & 8/6/2018-10/6/2018(Part-2). Faculty members from the CSE Department and anyone who is intrested are requested to attend the event.

CSE HOD

Dadi Institute of

Engineering & Technology
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## DADI INSTITUTE OF ENGINEERING & DESCRIPTION OF A STREET OF ENGINEERING & DESCRIPTION OF A STREET OF THE STREET OF T





# FACULTY DEVELOPMENT PROGRAMME (FDP) ON Machine Learning with Python

(1st-3rd June-2018(Part-1) & 8th -10th June-2018(Part-2))

Organized by

Department of Computer Science
& Engineering In

association with

National Institute of
Technology, Warangal. (Under the
Scheme of Electronics & ICT
Academy)

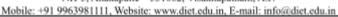
### Report on the Faculty Development Program (FDP)

#### **About FDP:**

In its pursuit of excellence in technical education **Dadi Institute of Engineering & Technology**, **Visakhapatnam** in association with **National Institute of Technology** – Warangal under the scheme of **Electronics & ICT Academy** organized a one week Faculty Development Program (FDP) for the faculty of Department of Computer Science & Engineering on **Machine Learning with Python in two phases** during 1<sup>st</sup>-3<sup>rd</sup> June-2018(Part-1) & 8<sup>th</sup> -10<sup>th</sup> June-2018(Part-2). The FDP aims to enhance and strengthen the percolation of state of art technologies amongst the institutional faculty as well as the interested faculty of other colleges of Andhra Pradesh.



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#### **About Electronics & ICT Academy:**

The Electronics and ICT Academy provides specialized training to the faculty of Engineering, Arts, Commerce & Science colleges, Polytechnics etc., by developing state-of-the-art facilities.

#### Schedule of FDP:

Day& Date	9.00 - 11.00		Tea Break	11.15 – 13.15	Lunch Break	13.45 – 15.45	Tea Break	16.00 - 17.00	
01.06.201 8 Friday	Registration & inauguration From 8.30 am	Object Oriented Programming with PYTHON: Creating Classes and Objects AJK		Object Oriented Programming with PYTHON: Multithreading, Errors & Exception Handling		Database Connectivity with PYTHON: Establishing Database Connectivity MySQL, Oracle AJK		Database Co with PYT Performing Transactions Deleting, and the Data	HON: Database (Inserting, Updating abase)
02.06.2018 Saturday	Basics of Machine Learning NB			Artificial Neural Networks NB		Artificial Neural Networks for Sequence labeling NB		Overview of Learning pa Pyth NE	ckages in on
03.06.2018 Friday	Deep Learning Models NB			Topic Models NB		Aspect Oriented Sentiment Analysis NB		Demo using NE	
08.06.2018 Friday	Advanced Features of Python SS			Comprehension and Generators SS		Modules, Packages, Standard Python Modules SS		Modules, P Standard Module	Python
09.06.2018 Saturday	Demonstration of Machine Learning package-scikit-learn SS			Demons and hands- on using Machine Learning packages - pands/NumPy/Bokeh SS		Demons and hands-on using Machine Learning package- Bloke/Seaborn SS		Demons and hands-on usin Machine Learn package- Bokeh/Seabor SS	ng ing
10.6.2018 Friday	Overview of Clustering & Classification RBS			Link Prediction RBS		SVM RBS		PCA RBS	Valedictory Function

#### **Resource Persons::**

SS: Sri Saya Srineevasulu, Industry Expert, Bangalore NB: Dr S Nagesh Bhatt, IDRBT, Hyderabad

RBS: Prof R B V Subramanyam, Head of CSE, NIT, Warangal AJK: MrAnup J Kelkar, Industry Expert, Nagpur



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## Faculty Development Programme



1st-3rd June - 2018 (Part-1) & 8th - 10th June - 2018 (Part-2)
Organized by



in association with

National Institute of Technology, Warangal (Under the Scheme of Electronics & ICT Academy)



The inauguration of the FDP was done in the Seminar Hall 1(A/C), DIET Campus on 01-06- 2018 at 9.30 AM with the lighting of the lamp. The dignitaries of the Inaugural Function included Prof. Dr.Koona Ramji, Hon'ble Vice Chancellor, Dr.B.R.Ambedkar University, Srikakulam as the Chief Guest, Dr.P.Sreedevi, HoD-BS&HSS JNTUK-Viziyanagaram as guest of honour, Shri Anup Kelkar, Director, Pythonacademic, Nagpur, as the resource person, Sri Dadi Ratnakar, Honourable Correspondent also graced the occasion. Dr.Ch.Prabhakar Rao, In-Charge Principal, Prof. K.S.Eswara Rao, Vice Principal, Prof. Dr. L. Prasanna Kumar, HOD, CSE & Coordinator-FDP, HoD's of other departments, faculty and 50 participants from various institutes participated in the inaugural function.

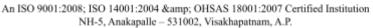






Fig 1: Lightning of the lamp by Prof. Dr. Koona Ramji, Hon'ble Vice Chancellor, Dr.B.R.Ambedkar, Srikakulam,



Fig 2 Lightning of the lamp by Sri Dadi Ratnakar, Honourable Correspondent, DIET



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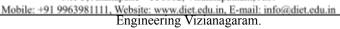
Fig 3 Felicitation to the Chief Guest Prof. Dr.Koona Ramji, Hon'ble Vice Chancellor,
Dr.B.R.Ambedkar University,
Srikakulam.





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## **Day Wise Program Details**

Day-1: FDP on "Machine Learning with Python" - Dept of

CSE – 01st June 2018 **Resource Person:** Shri Anup Kelkar,

Director, Industry expert, Pythonacademy, Nagpur Topics

**Covered:** Object Oriented Concepts of Python Programming

Shri Anup Kelkar, Director, Director-Pythonacademy, Nagpur, delivered A lecture on "Conceptualization of Python language with Hands On" from 10:30 AM to 5:30 PM in Computer Lab-1. All 50 participants were thoroughly engrossed in the lecture and learned 'Python' with enthusiasm and due hands-on experience in the laboratory.





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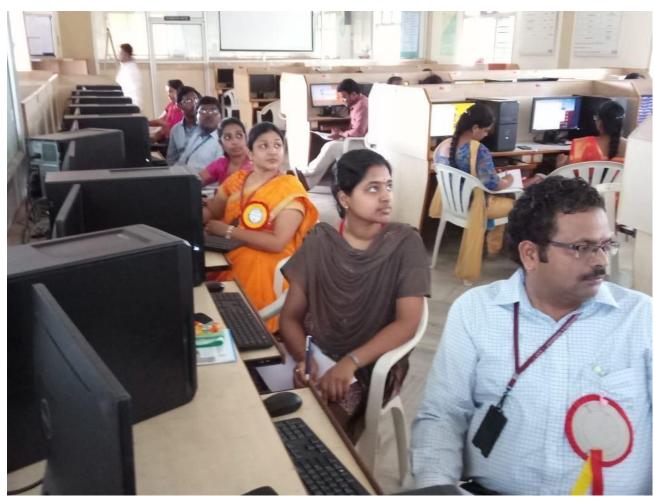


**Day-2:** FDP on "Machine Learning with Python" - Dept of CSE  $-2^{nd}$  June 2018.

Resource Person: Dr S Nagesh Bhatt, IDRBT, Hyderabad.

**Topics Covered**: Machine Learning Fundamentals with Tensor Flow.

**Dr S Nagesh Bhatt, IDRBT, Hyderabad**, delivered A lecture on "Performing Regression Analysis using Python, basics of machine Learning and Machine Learning with Python Software" from 9:00 AM to 6:00 PM in Computer Lab-1. The lecture was quite informative and interesting and the participants learned content with lots of enthusiasm and hands-on experience in the laboratory.



**Day 3** - FDP on "Machine Learning with Python" - Dept of CSE  $-3^{rd}$  June 2018.

Resource Person: Dr S Nagesh Bhatt, IDRBT, Hyderabad.

**Topics Covered**: Continuation of Machine Learning Fundamentals with Tensor Flow.

**Dr S Nagesh Bhatt, IDRBT, Hyderabad**., delivered a lecture on "Installation of Tensor flow and Anaconda and Data Visualization using 'Python' from 9:00 AM to 6:30 PM in Computer Lab-1.



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All the participants could feel ease to get information retrieval for knowledge mining using the Python programming.



Day 4 - FDP on "Machine Learning with Python" – Dept. of CSE – 8th June 2018

Resource person: Sri Saya Srineevasulu, Industry Expert, Bangalore

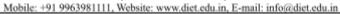
Topics Covered: Basics of Python, Installations of Python tools for machine learning.

**Sri Saya Srineevasulu, Industry Expert, Bangalore**, delivered his highly informative lecture on "Python on Machine Learning" with its tools and usage of tools. and conducted a lab Session on "Tensor and Scikit-learn" from 9:00 AM to 5:30 PM in Computer Lab-1.

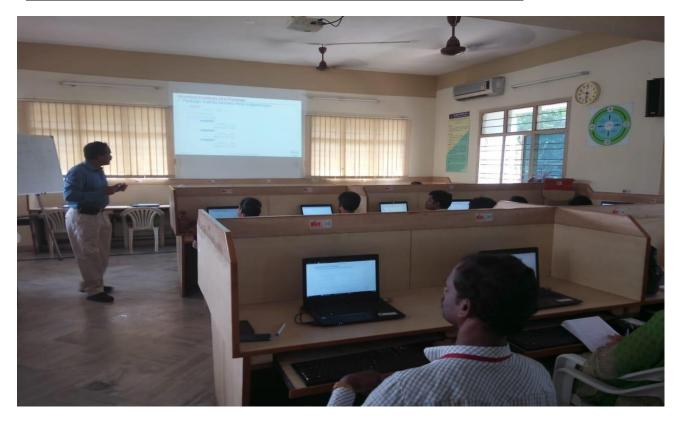


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**Day 5** - FDP on "Machine Learning with Python" - Dept of  $CSE - 9^{th}$  June 2018

Resource Person: Sri Saya Srineevasulu, Industry Expert, Bangalore

Topics Covered: Numpy, Matplot-Lib

**Sri Saya Srineevasulu, Industry Expert, Bangalore**, delivered a lecture on "Machine Learning using Matplot-Lib and Numpy" from 9:00 AM to 5:30 PM in Computer Lab-1. The session was highly interactive and quite interesting.



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**Day 6 -** FDP on "Machine Learning with Python" – 10<sup>th</sup> June 2018

Resource Person: Prof. Dr. R.B.V. Subramanyam, Dept of CSE, NIT, Warangal

Topics Covered: Overview of Classification, Classification in machine learning, SVM, PCA.

**Prof. Dr. R.B.V. Subramanyam**, Head-Dept of CSE, NIT, Warangal delivered a Lecture on "Overview of classification, SVM, PCA" from 10:00 AM to 5:45 PM in Computer Lab-1. The speaker could hold the interest of the participants even towards the end of the FDP.



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#### Assessment Test on 09-06-2018:

**Sri Saya Srineevasulu, Industry Expert, Bangalore**, conducted Written Assessment Test for all the participants of the FDP for necessary grading to be awarded on FDP Certificates.

#### **Outcome of the Six Day FDP:**

Faculty from more than 15 Engineering Colleges participated in the FDP and had a wonderful experience of obtaining hands-on learning of the State of Art technology with highly comfortable infrastructural facilities.





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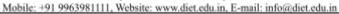






Fig 5 Certification Distribution to Students certified on Python for Everybody by Chief Guest Prof Koona Ramji, Hon'ble Vice Chancellor, Dr.B.R.Ambedkar University, Srikakulam.





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List of narticinants.

S.No	Name	Designation	Department	
1	Prof. Dr. Ch. Naga Prasad	Principal		
2	Dr.K. Rama Rao	Professor & DEAN		
3	Dr. K.S.Eswara Rao	Professor & Vice-Principal		
4	Dr.Ch.Prabhakara Rao	Professor	H&BS	
5	Dr.Ch.Nageswara Rao	Associate Professor	H&BS	
6	Mr.Penta Appa Rao	Sr Assistant Professor	H&BS	
7	Mr.Thanakala Rama Kanaka Pydiraju	Assistant Professor	H&BS	
8	Mr.Nodagala Ramakumar	Assistant Professor	H&BS	
9	Mrs.Malla Lalitha	Associate Professor	H&BS	
10	Mrs.D Swapna	Assistant Professor	H&BS	
11	Mrs.Madhuri Pulavarthi	Assistant Professor	H&BS	
12	Mr.K Murali	Assistant Professor	H&BS	
13	Mr.Y Someswara Rao	Assistant Professor	H&BS	
14	Ms.Chaya Kalpana Preethi Botcha	Assistant Professor	H&BS	
15	Mr. Venkata Murali Palla	Sr Assistant Professor	H&BS	
16	Ms.Vanaja Sivalanka	Assistant Professor	H&BS	
17	Mr.Souparni Panigrahi	Assistant Professor	H&BS	
18	Mrs. Varaha G S Srujana S	Assistant Professor	H&BS	
19	Mr.Ummadi Mahesh	Assistant Professor	H&BS	
20	Dr. Hari Krishna Karanam	Professor & HOD	CIVIL	
21	Mrs. Usha Rani Bhupathi	Assistant Professor	MECHANICAL	
22	Ms. Padmaja Karrothu	Assistant Professor	MECHANICAL	
23	Mr M RVSG Guptha	Assistant Professor	CIVIL	
24	Mr.P Lakshmi Narayana	Associate Professor	MECHANICAL	
25	Ms J B S Bharathi	Assistant Professor	CIVIL	
26	Ms Vepuri Alivelu Mangamma	Assistant Professor	CIVIL	
27	Mr.D Atchuta Ramacharyulu	Assistant Professor	CIVIL	
28	Mr. Kollepara Santhosh	Assistant Professor	CIVIL	
29	Mrs. Bandhikana Ramya	Assistant Professor	CIVIL	
30	Mr. Seshagiri Rao Boddu	Assistant Professor	CIVIL	
31	Ms Paidisetti Uma	Assistant Professor	CIVIL	
32	Mrs Padadalam Lavanya	Assistant Professor	CIVIL	
33	Ms Palaparthi Lavanya	Assistant Professor	CIVIL	
34	Dr. L. Prasanna Kumar	Associate Professor & HOD	CSE	
35	Dr. Karimisetty Sujatha	Professor	CSE	
36	Mr. A. Vasudeva Rao	Associate Professor	CSE	
37	Mr.V.Srinivas	Associate Professor	CSE	



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Mr. P.S.V.S.V. Ramaraju	Sr. Assistant Professor	CSE
Mrs K SriLakshmi	Associate Professor	CSE

39 40 41 Mr.Y.Dinesh Kurl **ELECTRONICS & ICT ACADEMY** NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL, (T.S.), INDIA DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY, Anakapalle, Visakhapatnam Participation Certificate This is to certify that.....Dr. Sangapu VenkataAppaji, Professor Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad has participated in MeitY, Govt. of India, Sponsored One Week Faculty Development Programme (FDP) on "Machine Learning with Python" Organized by the E & ICT Academy, National Institute of Technology, Warangal at Dadi Institute of Engineering and Technology, Anakapalle, Visakhapatnam from 1st - 3rd June 2018 (Part-1) and 8th - 10th June 2018 (Part 2). Participant's performance is satisfactory. Dr. Ch. Prabhakar Rao 42 **Assistant Professor CSE** Mrs. K.Komali 43 **Assistant Professor CSE** Ms. D. Harshitha

#### **Sample Certificate:**

#### Feed back:

1. Which type of programme are you expecting in future?



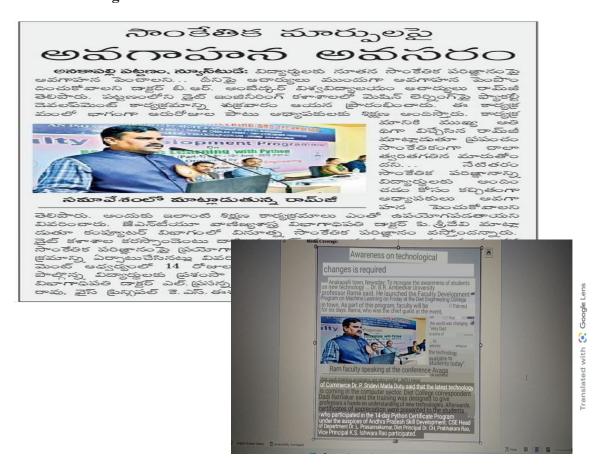
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WARANGAL

2. What is the take away from this session?

#### **Media Coverage:**









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## సామాజక బాధ్యతతో విద్యా బోధన చేయండి

## ప్రాఫెసర్లకు బీఆర్ అంబేడ్మర్ వర్నిటీ వీసీ రామ్జ్ సూచన

తెలు సుకోవాల్సిన అవసరం ಎಂಥ ನ್ ఉందన్నారు. విజయనగరం జేఎన్టీయూ కామర్బ్ విభాగాధిపతి డాక్టర్ టి.శ్రీదేవి మాట్లా డుతూ కంప్యూటర్ విభాగంలో వినూత్స సాంకేతిక పరిజ్జానం అందుబాటులోకి వస్తుం దన్నారు. ప్రతి ఒక్కరూ టెక్నాలజీని తెలుసుకో వాలని సూచించారు. కళాశాల కార్యదర్శి దాడి రత్నాకర్ మాట్లాడుతూ ఆచార్యులకు నూతన



డైట్ కళాశాలలో విద్యార్థికి సర్టిఫికెట్ అందజేస్తున్న వీసీ రామ్జ్



Sat, 02 June 2018 <mark>ఆంధ్రమోగ్రతి</mark> Sat, 02 June 2010 epaper.andhrajyothy.com/c/29176766





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