



Ref: AIET/2018-19/R&D/ECE/01

Date: 21/01/2019

To

The Principal

Alva's Institute of Engineering and Technology

Mijar Moodbidri 574225

Respected Sir

Sub: Requisition to conduct a Faculty Develop Program on Applications of Python programming in Data analytics – Research Perspective by the Dept. of ECE

With reference to the above subject I request you to permit me to conduct a **Faculty Develop Program on Applications of Python programming in Data analytics – Research Perspective** by Dr. S. Mohideen Badhusa Dept of CSE AIET, Moodbidri, in order to inculcate the research culture among the faculty on 22nd January 2019 to 26th January 2019. Kindly oblige and do the needful.

Thanking you

HOD

Dr. D V Manjunatha

H. O. D.

Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K



Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 21/01/2019

To.

Dr. S. Mohideen Badhusa

Dept of CSE AIET, Moodbidri.

Dear Sir,

Sub: Invitation for a Faculty Develop Program on Applications of Python programming in Data analytics – Research Perspective

I am pleased to have the honour of inviting you for a **Faculty Develop Program on applications of Python programming in Data analytics – Research Perspective** organized by the **Dept.of ECE** for our institute technical activity We have arranged your lecture at our institution on **22nd January 2019 to 26th January 2019** Kindly accept our request as a guest speaker

Thanking You

With warm regards

PRINCIPAL

**Alva's Institute of Engg. & Technology,
Mijar. MOOBBIDRI - 574 225, D.K**



Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K. - 574225

Phone: 08258-252725, Fax: 08258-252725

DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Ref/AIET/2018-19/R&D Cell/ECE/01

Date: 21/1/2019

Circular

It is hereby informed all the Faculty members to that there will be FDP on "Applications of Python programming in Data analytics - Research Perspective" by Dr. S. Mohideen Badhusha Dept of CSE AIET, Moodbidri. on 22nd January 2019 to 26th January 2019. So all are requested to attend the same.

Mr. Santhosh S
Technical Coordinator

Dr. D V Manjunatha
H.O.D.

Five Day National Level Workshop
on
*"Applications of Python
programming in Data analytics -
Research Perspective"*
Organized by
Department of E&CE
**Alva's Institute of Engineering
& Technology, Mijar**
on
22nd – 26th January, 2019

REGISTRATION FORM

Name of the participant: Dr. / Mr. / Mrs. / Ms. /

Prof. _____

Designation: _____

Qualification: _____

Department: _____

Name of the College/Industry: _____

Address for Communication: _____

Phone: _____

Email: _____

Registration Fee Details:

DD number: _____

Date: _____

Applicant signature

Signature
Principal/HOD

Chief Patron:

Dr. M Mohan Alva

Chairman, Alva's Education Foundation, Moodbidri.

Patron:

Sri. Vivek Alva

Managing Trustee,
Alva's Education Foundation, Moodbidri.

Dr. Peter Fernandes

Principal, AIET, Moodbidri.

Organizing Chair:

Dr. D.V. Manjunatha

Sr. Professor & HOD, Dept. of ECE AIET.

Dr. Dattathreya G

Sr. Professor, Dean (Planning), Dept. of ECE, AIET.

Dr. Praveen J

Professor & Dean (Academics), Dept. of ECE, AIET.

Resource Persons:

Dr. S. Mohideen Badhusha

Professor, Dept. of CSE, AIET.

Convener:

Prof. Santhosh S (9535623318)

Asst. Professor, Dept. of ECE, AIET.

Prof. Jyothi Pramal (9880910737)

Asst. Professor, Dept. of ECE, AIET.

Advisory Committee:

Dr. Manjunatha Kotari, HOD, CSE, AIET.

Prof. Jayanth Kumar Rathod, HOD, ISE, AIET.

Dr. H. Ajith Hebbar, HOD, Civil Engg., AIET.

Dr. Harishanand, HOD, Mech. Engg., AIET.

Dr. B. Basavaraju, Dean Basic Science, AIET.

Dr. Ramaprasad A T, HOD, Phy Dept. AIET.

Prof. Pameela S, HOD, Dept. of Mathematics, AIET



Alva's Education Foundation®

**Alva's Institute of Engineering &
Technology**

(A Unit of Alva's Education Foundation, Moodbidri)



**Five Day Faculty Development Program
on**

*"Applications of Python
programming in Data
analytics - Research
Perspective"*

22nd – 26th January, 2019

Organized by:

**Department of Electronics & Communication
Engg.**

**Alva's Institute of Engineering and
Technology**

**Shobhavana Campus, Mijar,
Moodabidri -574225, D.K**

About AEF

Alva's Education Foundation (AEF) established in 1995 with the vision of our chairman Dr. M Mohan Alva has succeeded in making Moodbidri an Educational hub in the South Canara Region, with more than 25,000 students pursuing various courses ranging from primary school to post-graduate courses. There are 21 institutions functioning under the Alva's Education Foundation banner.

Alva's Education Foundation is highly committed towards the cause of providing education to all the sections of society. This is evident from the quality of events, programmes, staff and necessary support available for traditional and contemporary education.

About the Institution

Alva's Institute of Engineering & Technology (AIET) is a premier Engineering Institute of Alva's Education Foundation established in the year 2008. AIET is strategically located adjacent to Moodbidri-Mangalore National Highway, which is 24 Kms from Mangalore International Airport.

AIET is recognized by All India Council for Technical Education (AICTE), New Delhi and affiliated to Visvesvaraya Technological University (VTU), Belgaum, approved by Govt. of Karnataka. Ranked as one of the best Technical Institute in Dakshina Kannada region.

AIET offers wide range of academic programs comprising of 5 under graduate, 4 post-graduate programs and MBA. Institution also offers several research programs leading to doctoral (Ph.D) studies.

AIET has established Multi-Disciplinary Research Centers viz Center for Robotics, Research center for Basic Science, Center for Small Satellite Research, Center for Nanomaterial's & MEMS, CAD Center, Apple Lab, Linux Lab. AIET has Several Sponsored research Projects funded by different reputed National Funding Agencies like DST, KSCST,DIT, AICTE, ISRO,VGST, IEEE, RESPOND,VTU etc.

About the Department

Department of Electronics & Communication was started in the year 2008-09. ECE branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems. It plays great emphasis on deep understanding of fundamental principles and state of the art knowledge about Electronic Devices and Circuits, Computer Architecture and Microprocessors, VLSI and Embedded systems, Electromagnetic Field Theory, Analog and Digital Communication, Digital Signal Processing, Microwave and Broadband Communications, MEMS Research and Development Lab. The department has well-qualified and experienced faculty which includes Three Doctorates, Seven faculty are pursuing Ph.D. and Remaining faculty are Post-Graduates.

Vision of the Department

Centre of Excellence to Empower the Young Minds in the field of Electronics and Communication Engineering with Research Focus and Skill Development through Transformative Education catering to the needs of the Society.

Mission of the Department

M1: To create a unique Learning Environment to enable the Students for Excellence in the field of Electronics and Communication Engineering.

M2: To Empower the Students with necessary Skills for Solving the Complex Technological Problems of Social needs.

M3: To Inculcate Research Culture among Teaching-Learning Group by Guiding them towards R & D Activities to bridge the gap between Industry and Academia.

M4: By Imbibing the Students with Human Values and Ethics through Transformative Education and make them Socially Responsible Professionals.

Scope of the Workshop

The aim of the workshop is to provide the required information for the beginners in research in the data analytics and to improve the quality of research for the existing researchers.

Python is free, open-source software, it's the available libraries that lead to Python's success and consequently anyone can write a library package to extend its functionality. Data science has been an early beneficiary of these extensions, particularly Pandas. The workshop would be useful for research scholars who need statistical and analytical assistance in their Ph.D. course work, participants of any discipline who needs to enhance their conceptual and data analytical skills and also to the future researchers.

Potential Participants

Faculty members of all branches, Research scholars and PG students.

Date and Venue

22nd – 26th January, 2019

ISE Laboratory 3rd Floor Main building

Alva's Institute of Engineering and technology

Shobhavana Campus, Mijar Moodbidri-574225

Registration

Duly filled registration forms are to be submitted along with the DD for registration fee drawn in favor of "Principal, AIET" payable at Moodbidri. DDs of Nationalized banks are accepted.

Registration Fee

Rs. 1000 for Outside participant. Registration fee includes the course material and lunch. The registration will be on first-come-first-serve basis. No TA/DA will be provided. Accommodation will be provided on demand with charges.

santhoshs.nayak@gmail.com

mjsuvarna@gmail.com



Faculty Develop Program On Applications of Python programming in Data analytics
– Research Perspective

Department of Electronics and Communication Engineering organized Five days “**Faculty Develop Program on Applications of Python programming in Data analytics – Research Perspective**” from 22nd January 2019 to 26th January 2019 from an faculty Dr. S. Mohideen Badhusha Dept of CSE AIET, Moodbidri.



Inaugural Session of Applications of Python programming in Data analytics – Research Perspective

Python Programming Tutorials. **Employ both supervised and unsupervised machine learning, to make predictions or to understand data.** Use Python with Pandas, Matplotlib, and other modules to gather insights from and about your data. Create browser-based fully interactive data visualization applications.



Dr. S. Mohideen Badhusha Session on python application

The course carried for 5 days which included Basic programming constructs in Python- Exercises, Advanced programming constructs in Python- Exercises, Why learn Python for data analysis? and implementations of its data structures in Data Analytics -Research perspective, Exploratory analysis in Python using Pandas-Exercises, Data Munging and manipulation using Pandas-Exercises, **Development of a predictive Model for a Case Study using Python Libraries such as Numpy, SciPy, Matplotlib, Pandas, SkLearn,** Most of the program was a hands on session and faculty were given with different Exercises to write some code for desired output on Python Anaconda platform.

Outcome: Faculty got knowledge in the area of Applications of Python programming in Data analytics – Research Perspective


Coordinator



Head of the Department

Dr. D V Manjunatha

H. O. D.
Dept. Of Electronics & Communication
Alva's Institute of Engineering & Technology
Mijar, Moodbidri - 574225



AIET Faculty

Dr. S. Mohideen Badhusha
Computer Science & Engineering

- Designation: **Professor**
- Phone No: 08258- 262724 / 25
- Teaching Experience: 14 Years
- Qualification: M.E, Ph.D
- Email Id: badhusha.sm@gmail.com
- Industry Experience: 13 Years

Educational Details

UG

AMIE(CSE)	IEI, Kolkatta	2004
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PG

M.E(CSE)	Anna University, Chennai	2008
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Doctorate

Ph.D	Anna University, Chennai	2016
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Experience

- 1 Period (1996-2006)
Blue Moon Computers
Education & Software Division - Software Developer & Trainer
- 2 Period (2008-2016)
Computer Science & Engineering
K.S. Rangasamy College of Technology, Tiruchengode, Tamil Nadu - Assistant Professor
- 3 Period (2016-till date)
Computer Science & Engineering
AIET, Moodubidri - Professor



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Department of Electronics & Communication Engineering

Applications of Python programming in Data analytics -Research Perspective Attendance List

SL. NO	NAME	22/01/19		23/01/19		24/01/19		25/01/19		26/01/19	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1.	Dr. D.V.MANJUNATHA	P	P	P	P	P	P	P	P	P	P
2.	Dr. PRAVEEN. J	P	P	P	P	P	P	P	P	P	P
3.	Dr. DATTATREYA	P	P	P	P	P	P	P	P	P	P
4.	SHANKAR B.B	P	P	P	P	P	P	P	P	P	P
5.	SUDHAKARA .M	P	P	P	P	P	P	P	P	P	P
6.	PARVEEZ SHARIFF B.G	P	P	P	P	P	P	P	P	P	P
7.	SAHANA .K. A	P	P	P	P	P	P	P	P	P	P
8.	JYOTHY .P	P	P	P	P	P	P	P	P	P	P
9.	VIJETHA .T.S	P	P	P	P	P	P	P	P	P	P
10.	SANTHOSH .S	P	P	P	P	P	P	P	P	P	P
11.	YUVARAJ .T	P	P	A	A	P	P	P	P	P	P
12.	MAHENDRA .H.N	P	P	P	P	P	P	P	P	P	P
13.	DEEPAK RAJ	P	P	P	P	P	P	P	P	P	P
14.	ANEESH JAIN M V	P	P	P	P	A	A	P	P	P	P
15.	SUSHANTH ANIL LOBO	P	P	P	P	P	P	P	P	P	P
16.	TANYA. M	P	P	P	P	P	P	P	P	P	P
17.	SACHIN .K	P	P	P	P	P	P	P	P	P	P



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18.	NISHMA	P	P	P	P	P	P	P	P	P	P
19.	KUMARI SHRUTHI	P	P	P	P	P	P	P	P	P	P
20.	PRASANNA KUMAR	P	P	P	P	P	P	P	P	P	P
21.	BHARGAVI	P	P	P	P	P	P	P	P	P	P
22.	JAYPRAKASH	P	P	P	P	P	P	P	P	P	P

FDP Coordinator
Mr. Santhosh S.



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to VTU, Belgaum, Recognized by AICTE, New-Delhi)
Shobhavana Campus, Mijar, Moodbidri-574225, Dakshin Kannada.

Department of Electronics & Communication Engineering

Certificate

This is to Certify that Dr./Mr/Mrs/Ms.**SANTHOSH . S**.....
of Electronics & Communication Department, has undergone a Faculty Development
Program on "Application of Python Programming in Data Analytics- Research
Perspective" from 22nd January to 26th January 2019 for 5 days organized by
Department of E&CE, Alva's Institute of Engineering and Technology, Moodbidri.


Dr. S Mohideen Bhadhusa

Professor
Dept. CSE, AIET


Dr. D V Manjunatha

Head of the Department
E & C, AIET


Dr. Peter Fernandes

Principal
AIET, Moodbidri