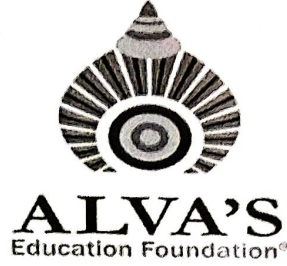


**ALVA'S INSTITUTE OF ENGINEERING AND  
TECHNOLOGY**

Shobhavana Campus, Mijar – 574225, Moodbidri.  
Dakshina Kannada Karnataka, India.



**Department of Computer Science and Engineering**

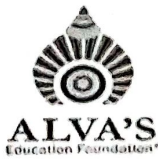
**CERTIFICATION COURSE**

**on**

**“How to develop Pythonic coding rather than Python  
coding – Logic Perspective”**

**ACADEMIC YEAR**

**2019-2020**



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref No: AIET/CS/CC/2019-2020/002

Date: 15/07/2020

Place: AIET, Moodbidri.

### APPROVAL LETTER

To,

The Principal,  
AIET, Moodbidri


Respected Sir,

**Sub: - Approval for Organizing the Online Certification/Training Program on "How to develop Pythonic coding rather than Python coding - Logic Perspective"-Reg.**

With reference to the subject cited above, I would like to bring to your kind notice that, the Department is planning to host a Online certification course/ Workshop on "How to develop Pythonic coding rather than Python coding - Logic Perspective" from "21<sup>st</sup> July 2020 to 25<sup>th</sup> July 2020"

Kindly consider the above request and approve the same for further proceedings.

Thanking you Sir.

  
**Coordinator:**


Ms. Shilpa



**Head of the Department:**

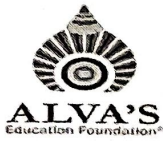
Dr. Manjunath Kotari  
H. O. D.

Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

  
**Principal:**

PRINCIPAL

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



## **ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Shobhavana Campus, Mijar, Moodbidri - 574 225

Phone: 08258-262725 Fax: 08258-262726

### **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Dated 24/09/2020

#### **CIRCULAR**

The Online Certification course/ Workshop on **How to develop Pythonic coding rather than Python coding - Logic Perspective** will be conducting from **21<sup>st</sup> July 2020 to 25<sup>th</sup> July 2020**. All 3<sup>rd</sup> year students are hereby informed to attend and actively participate in the course and also 2<sup>nd</sup> year students who have registred for the course are informed to attend and actively participate in the course.

A handwritten signature in blue ink, appearing to be "Glee", written over the printed name "H.O.D.".

Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



**5 days Online Certification Course  
/ Workshop on**

**"How to develop Pythonic coding  
rather than Python coding – Logic  
Perspective"**

**21<sup>st</sup> June 2020 - 25<sup>th</sup> July 2020**

**ORGANIZING COMMITTEE**

**Chief Patron : Dr. M. Mohan Alva**  
Chairman, AEF

**Patron : Sri. Vivek Alva**  
Managing Trustee, AEF

**Chief Advisor : Dr. Peter Fernandes**  
Principal, AIET

**Convener : Dr. Manjunath Kotari**  
Professor & Head, Dept. of CS&E

**Coordinator : Ms. Shilpa**  
Assistant Professor, Dept. of CS&E

**Members : Prof. Harish Kunder**  
Prof. Venkatesh  
Prof. Sayeesh  
Prof. Vasudev S Shahapur

**ADDRESS FOR CORRESPONDENCE**

**Ms. Shilpa - +91 9008873670**

**Email: [shilpa@aiet.org.in](mailto:shilpa@aiet.org.in)**



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

**Shobhavana , Mijar, Moodbidri -  
574225**

**Web: [alet.org.in](http://alet.org.in)**

**Accredited by NBA (CSE & ECE)**



**Certification Course / Workshop on**

**"How to develop Pythonic coding  
rather than Python coding-Logic  
Perspective"**

**In association with  
CSI Chapter**



**Highlights of the Workshop**

- Practical exercises assigned amidst the lecture hours
- Practical Hands-on sessions through Google Colab
- Emailing – exercises, case study problems, study materials and training PPT's to participants
- Certificate of participation after attending all sessions

**Resource Persons**

**Dr. S. Mohideen Badhusha,**  
Sr. Professor  
Department of CSE, AIET, Mijar

**Organized By**

**Dept. of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
"Shobhavana Campus", Mijar,  
Moodbidri-574225 Mangalore, D.K.,  
Karnataka  
Phone: 08258 – 262724, 262725, 262726**





## ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Alva's Institute of Engineering and Technology, Mijar, Moodbidri is a premier Engineering Institute of Alva's Education Foundation, established in the year 2008, located adjacent to Mangalore-Sholapur National Highway, which is 24 Kms from Mangalore International Airport. The college is recognized by All India Council for Technical Education (AICTE), New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi. The college is ranked as one of the best Technical Institute in South Canara region. The institute offers under graduate programs in 5 branches of Engineering – Computer Science & Engineering, Civil Engineering, Electronics & Communications Engineering, Information Science & Engineering, Mechanical Engineering, Computer Science & Engineering, VLSI Design & Embedded Systems. Seven departments at the institute has been recognized as research centers by Visvesvaraya Technological University, Belagavi.

### Department of Computer Science and Engineering

Department of Computer Science and Engineering started functioning from the year 2008, with an intake of 60 and has enhanced to 120 from academic year 2012-13. The Post Graduate course, M.Tech in Computer Science and Engineering, was introduced from the academic year 2012-13 with an intake of 18 students. Department is recognized as a research centre from VTU. Faculty members are actively involved in co-curricular and extracurricular activities with association and professional bodies like CSI/ISTE. Department of Computer Science & Engineering has always been on a high growth and path since its establishment. To keep pace with latest technologies, department has employed experienced and dedicated faculty with strong commitment towards research work. The department is dedicated to education, research and overall excellence. For skill development Department have highly equipped add-on labs like Envision lab, Innovation Lab and iOS Lab.

The students are well placed in reputed industries as well as continuing higher education in the premier institutes. The Department of CSE organizes various events such as workshops, Seminars, Technical talks, delivered by eminent resource persons from academia & industry, who have excelled in their field.

The department regularly conducts special courses on advanced topics. Department of CSE encourages the faculty and students for participating in research activities for enhancing their subject knowledge and acquire information regarding current trends.

### VISION OF THE DEPARTMENT

"Engendering competent, excellent professionals by transforming the knowledge and computing skills to individuals through modern innovative tools and techniques"

### MISSION OF THE DEPARTMENT

- To produce skilled, creative software developers through rigorous training.
- To conduct specific technical courses to keep abreast to the latest technological developments and transformations in the domain.
- To implement the ideas of research and innovations in interdisciplinary domains.
- To establish Industry-Institute Interaction programs to enhance the skills of employability and entrepreneurship.

### PROGRAM SPECIFIC OUTCOMES

**A graduate of the Computer Science and Engineering Program will exhibit:**

**PSO1: Professional Skills:** The ability to understand & implement the computer programs in the areas of Computer Architecture, System Software, Database Management Systems, Web Design, Multimedia and Computer Networking.

**PSO2: Problem-Solving Skills:** The ability to solve real-world problems by suitable mathematical model with strong technological concepts in rapidly growing arena of computer technology.

**PSO3: Successful Career and Entrepreneurship:** Knowledge in diverse areas of Software Engineering and Management & Entrepreneurship for IT Industry, conducive in cultivating skills for successful career development.

### PROGRAM EDUCATIONAL OBJECTIVES

**The graduates of Computer Science & Engineering will able to**

**PEO1:** Exhibit fundamental strength in core courses of Computer Engineering to solve the problems of computing world.

**PEO2:** Adapt and contribute the emerging technological changes.

**PEO3:** Employed in computing profession or engaged in learning to pursue higher studies.

### ABOUT WORKSHOP

If you're new to Programming, and Python in particular, you might have heard the term Pythonic being brought up at tech conferences, meetups and even at your own office. You might have also wondered why the term and whether they're just talking about writing Python code. In this workshop you are going to understand what the term Pythonic means and why you should be interested in learning how to write Pythonic code rather than writing Python code. Most of the Python beginners are not understood how a python program can be written effectively. They write the Python program as they develop other programming languages such as C, C++ and Java. The customary coding of Python make the coding very verbose and ineffective. The uniqueness the Python lies in the way it has to be written using fantastic data structures and strategies available in Python.

In this regard, the workshop imparts the knowledge of writing effective pythonic coding. The workshop is conducted in view of disseminating the knowledge and expertise as well as training to the participants in interview point of view also

### TARGET AUDIENCE

All the 3<sup>rd</sup> year and 2<sup>nd</sup> year interested Students of AIET, Mijar.



### Workshop /Certification Course Schedule

5 days Online Workshop on 'How to develop a Pythonic coding rather than Python coding – Logic Perspective'

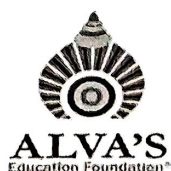
| Day                   | Session                                  | Portions/ Activities   | Duration       |
|-----------------------|--|--|----------------|
| DAY 1<br>(21/07/2020) | <b>Session 1</b><br>(10.00 am – 1.00 pm) | Basic programming constructs in Python– Exercises. (Lecture and Demonstration-40 minutes)<br>(Hands-on -20 minutes)              | <b>3 Hours</b> |
|                       | <b>Session 2</b><br>(2.00 pm -5.00 pm)   | Iteration and Strings - Exercises.<br>(Lecture and Demonstration).<br>(Hands-on -20 minutes)                                     | <b>3 Hours</b> |
| DAY 2<br>(22/07/2020) | <b>Session 1</b><br>(10.00 am – 1.00 pm) | Lists & Tuples – Exercises.<br>(Lecture and Demonstration-60 minutes)<br>(Hands-on -60 minutes)                                  | <b>3 Hours</b> |
|                       | <b>Session 2</b><br>(2.00 pm -5.00 pm)   | Dictionary & File– Exercises.<br>Lecture and Demonstration-40 minutes)<br>(Hands-on -20 minutes)                                 | <b>3 Hours</b> |
| DAY 3<br>(23/07/2020) | <b>Session 1</b><br>(10.00 am – 1.00 pm) | Case studies – ‘How to build Pythonic code in Iteration and strings ?’ with complete hands-on session using google colab         | <b>6 Hours</b> |
|                       | <b>Session 2</b><br>(2.00 pm -5.00 pm)   |  |                |
| DAY 4<br>(24/07/2020) | <b>Session 1</b><br>(10.00 am – 1.00 pm) | Case studies – ‘How to build Pythonic code in List, Tuple and Dictionary?’with complete hands-on session using google colab      | <b>6 Hours</b> |
|                       | <b>Session 2</b><br>(2.00 pm -5.00 pm)   |  |                |
| DAY 5<br>(25/07/2020) | <b>Session 1</b><br>(10.00 am – 1.00 pm) | Case studies – ‘How to build Pythonic code in Sets, Strings, File operations?’ with complete hands-on session using google colab | <b>6 Hours</b> |
|                       | <b>Session 2</b><br>(2.00 pm -5.00 pm)   |  |                |



**Attendance of Online Certification course on "How to develop Pythonic coding rather than Python coding – Logic Perspective"**

| USN        | NAME                        | Date          |               |               |               |               |               |               |               |               |               |
|------------|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|            |                             | 7/21/<br>2020 | 7/21/<br>2020 | 7/22/<br>2020 | 7/22/<br>2020 | 7/23/<br>2020 | 7/23/<br>2020 | 7/24/<br>2020 | 7/24/<br>2020 | 7/25/<br>2020 | 7/25/<br>2020 |
| 4AL15CS026 | Darshan M                   | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL16CS015 | ANUSHA P S                  | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL16CS063 | POOJA RAJEEV                | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL16CS113 | TANOJ M                     | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL16CS047 | Madushree R                 | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL16CS078 | Harshith S                  | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS002 | Ajeyashree K                | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS003 | Akshat Khandelwal           | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS004 | Akshata Narayana Hegde      | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS005 | Amrutha M                   | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS006 | Anilkumar B N               | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS007 | Anusha                      | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS008 | Anvitha Poojary             | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS009 | Anvitha U                   | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS010 | Apeksha Rajendra Rane       | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS011 | Apoorva H P                 | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS012 | Apoorva K N                 | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS013 | Aruna K                     | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS015 | Asha Rudrappa Totagi        | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS016 | Ashika                      | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS017 | Ashwini                     | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS018 | Ashwini Shekarappa Jadamali | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS019 | Bhramari P Shetty           | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS020 | Chandana Patil              | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS021 | Chetana H                   | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS022 | Chethana J                  | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS024 | D Jasmine Joyline           | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS025 | Datta Kiran A B             | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS027 | Dhanya Bhat                 | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS028 | Dheeraj Krishna Devadig     | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS029 | Dsouza Elston Ronald        | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS030 | Gayatri V Kamat             | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |
| 4AL17CS031 | Gowda Roshni Shivprakash    | 1             | 2             | 3             | 4             | 5             | 6             | 7             | 8             | 9             | 10            |





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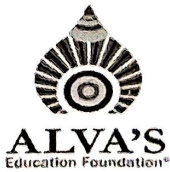
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

|            |                              |   |   |   |   |   |   |   |   |   |    |
|------------|------------------------------|---|---|---|---|---|---|---|---|---|----|
| 4AL17CS033 | Hemalatha S                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS034 | Jagath Haren                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS035 | Jayalakshmi M                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS036 | Jayraj Chirag Kumar shah     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS037 | John Alsten Tauro            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS038 | K Thrishul                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS039 | Kanaka B S                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS040 | Kavana V                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS041 | Kavya                        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS042 | Kavya R Shetty               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS044 | Koushik S N                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS045 | Lathik Moger                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS046 | Likitha M                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS047 | M C Suchithra Heggade        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS048 | Madan G Gudigar              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS050 | Mhaske Pooja Sambhaji        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS051 | Mahek Sabha                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS052 | Nagashree Arun M             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS053 | Naik Nayana Ganapati         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS054 | Nanditha R Shetty            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS055 | Netra Suresh Gudagamnala     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS056 | Pallavi                      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS057 | Pavana P                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS059 | Prajna                       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS062 | Pranav L M                   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS063 | Praveen Kumar S              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS065 | Preethi                      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS066 | Priya H T                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS067 | priyanka killedar            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS070 | Rachana K N                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS071 | Raghavi Harischandra Gaonkar | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS073 | Raksha S                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS074 | Ramitha Y S                  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS075 | Rani M D                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS076 | Ravali P                     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS077 | Rohan Mahaveer               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS078 | Rohan Vashista B M           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS079 | Rousha                       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS080 | Sachin Rajora                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |





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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

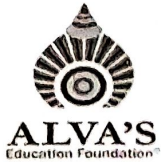
|            |                         |   |   |   |   |   |   |   |   |   |    |
|------------|-------------------------|---|---|---|---|---|---|---|---|---|----|
| 4AL17CS081 | Sana F Habib            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS083 | Shah Dhruvil Amit       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS084 | Shaifa Shala            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS085 | Shanbhag Atish Manoj    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS086 | Shetty Ankit Suresh     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS087 | Shetty Disha Ravindra   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS089 | Shetty Sathvik Ravindra | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS090 | Shilpa S U              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS091 | Shreetal Kalabandi      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS092 | Shrinivasa              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS093 | Shwetha M S             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS094 | Sindhu N                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS095 | Sneha K Bakale          | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS096 | Soundarya R             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS097 | Spoorthi M S            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS098 | Spoorthi Balaji         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS099 | Shrilatha K Kamath      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS100 | Suhas M S               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS101 | Surya Prakash S         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS102 | Sushmitha               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS103 | Sushmitha B Poojary     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS104 | Syed Hudaif Ibrahim     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS106 | Varshitha               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS107 | Vidya K C               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS108 | Viha B Raju             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS109 | Vikas A L               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS112 | Vinod Kumar             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS114 | Niriksha A              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS115 | Suman Rathod            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS116 | Sahana C                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS117 | Sinchana                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS118 | Jaiditya Y              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS119 | Nachiketh S Bhat        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS120 | B Sai Harsha            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS122 | Ravi Math               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL17CS123 | Pruthvi B C             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS400 | Sagar B V               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS401 | Sandhya Kapse           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL16CS049 | Manibhushan Nadendla    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS003 | Adarsha N Y             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS006 | Amrutha G               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

|            |                           |   |   |   |   |   |   |   |   |   |    |
|------------|---------------------------|---|---|---|---|---|---|---|---|---|----|
| 4AL18CS026 | Ijaz Ibrahim              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS027 | Jahnvi P C                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS028 | Jaison Jaideep Lobo       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS035 | Kavoor Latika Vinayak     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS051 | Naveen M D                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS054 | P Yuvaraj                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS068 | Ramesh Shekappa Bhajantri | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS069 | Raveena C Hulikatti       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS071 | S Harin Gowda             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS072 | S Mohammed Tanzeel        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS082 | Sidramesh                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS083 | Sinchana K N              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS087 | Spoorthy V V              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS092 | T K Koushik Chinnappa     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL18CS098 | Sudarshan C Shetty        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL19CS402 | Prasanna Kumar T R        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4AL19CS404 | Swapna M D                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

  
Signature of Coordinator

  
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## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### REPORT ON

### How to develop Pythonic coding rather than Python coding – Logic Perspective

A Five days certification/workshop Programme on “How to develop Pythonic coding rather than Python coding – Logic Perspective” conducted from 21.07.20 to 25.07.20 for all the students from II and III years of CSE, ECE and ISE of AIET for around 250 students.

This workshop has been organized by Department of Computer Science and Engineering and Electronic and Communication Engineering in Association with CSI Bangalore.

The workshop was inaugurated by **Dr. D.V Manjunatha , H.o.D/ ECE**, all the students of II and III years of CSE, ECE and ISE were present online during the inauguration function along with the resource persons **Dr. S. MohideenBadhusha/Professor, CSE**.

Dr. D.V Manjunatha has given a brief about the Pythonic workshop. He emphasizes on the need for learning the Pythonic coding which is very much oriented and he discusses outcomes of this 4 days workshop

The workshop coordinators **Miss. Shilpa prof/CSE** and **Mrs. Nishma, prof/ECE** have given the resource person introduction and detailed instructions of 5 days workshops. They explained and how the exercises of 5 days workshops can be obtained from Github repository and how the solved exercises have to be submitted onto Github repository.

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### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### Online Workshop on 'How to develop Pythonic coding rather than Python coding - Logic Perspective'

21.7.20 Day 1 session 1

Dr. S.Mohideen Badhusha

Professor/ CSE department

Alva's Institute Engineering and  
Technology

Mijar, Moodbidri, Mangalore




#### Objectives of the Online Workshop

- The workshop imparts a fundamental knowledge in Pythonic coding required for present corporate environment with google colab.
- The practical programming exercises assigned amidst the lecture hours enhance the interest of solving problems in Pythonic coding
- It provides hands-on training sessions which offer a basic data structures in Python (List, Tuple & Dictionary)
- It provides hands-on training sessions which provides the knowledge of Pythonic coding
- It provides hands-on training sessions which clearly demonstrate how to write Pythonic coding.
- It finally imparts the knowledge of solving different Case-Studies using Pythonic coding with PEP - 8 rules for writing Pythonic coding

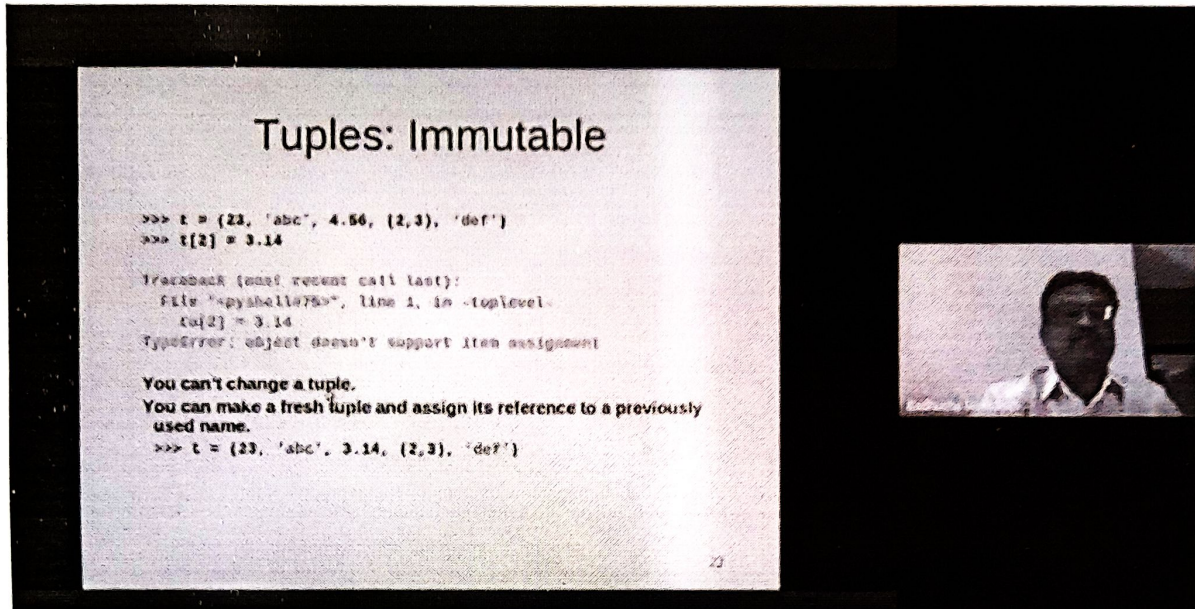
Python is a powerful tool for software development in MNCs. Python is really a great tool, and is becoming an increasingly popular language among coders. The reason being, it's easy to learn, integrates well with other databases and tools like Spark and Hadoop. Majorly, it has great computational intensity and has powerful data analytics libraries. Python has a rich set of libraries for any scientific computations and data analysis. The following libraries of python

  
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such as Numpy, SciPy, Matplotlib, Pandas, SkLearn, RE, BeautifulSoup and Scrapy find a wider applications in various domains.




#### Outcomes

- The students will be able to write programs with complete understanding of the logics.
- The students will become better programmers with good reasoning at their interviews
- The logical building ability of the students will get improved by continuous and rigorous practices.
- They will complete the Case studies and post it in Github repository in Google Colab file format.

Finally during the Valedictory function in the fourth day of the workshop **Dr. Manjunath Kotari HoD/CSE** has delivered valedictory note and wished all the participants for bright future.

  
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### Department of Computer Science & Engineering

#### Summary Report of Add-on / Certificate program with its Outcomes

|  |                                       |
|--|---------------------------------------|
| <b>Academic Year :</b> 2019-2020   | <b>Duration:</b> 21-07-20 to 25-07-20 |
| <b>Title of the Course:</b> How to develop Pythonic coding rather than Python coding – Logic Perspective |                                       |
| <b>Resource Person:</b> Dr. S. Mohideen Badhusha, Professor, Dept. of CSE, AIET, Moodbidri.              |                                       |

Department of Computer Science and Engineering and Electronic and Communication Engineering in Association with CSI Bangalore organized a Five days certification/workshop Programme on “How to develop Pythonic coding rather than Python coding – Logic Perspective” conducted from 21.07.20 to 25.07.20 for all the students from II and III years of CSE, ECE and ISE of AIET for around 250 students. The resource person for the program was Dr. S. Mohideen Badhusha, Professor, Dept. of CSE, AIET, Moodbidri. He explained about Basic programming constructs in Python, Iteration and Strings, Lists & Tuples, Dictionary & File.

Totally 130 students of CSE department were benefited by the course were benefitted from this course and were able to

- Write programs with complete understanding of the logics.
- Become better programmers with good reasoning at their interviews
- The logical building ability of the students will get improved by continuous and rigorous practices.



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# Alva's Institute of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belagavi)  
Shobhavana Campus, Mijar, Moodbidri-574225



## Certificate of Participation

This is to certify that

**Anvitha U**

of

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

*has participated in a four day online workshop on "How to develop Pythonic coding rather than Python coding – Logic Perspective" from 21st July, 2020 to 25<sup>th</sup> July, 2020 jointly organized by the Department of Computer Science and Engineering and Department of Electronics and Communication Engineering , Alva's Institute of Engineering and Technology, Mijar.*

Dr. S Mohideen Badhusha  
Convenor

Dr. Manjunath Kotari  
HOD, Dept. of CSE

Dr. D V Manjunatha  
HOD, Dept. of ECE

Dr. Peter Fernandes  
Principal