

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY

One Day- Industry Based Hands-on Workshop
on
Artificial Intelligence using Python

30th August 2018

A Report

Organized by



Department of Information Technology,
Sri Venkateswara College of Engineering,
Pennalur, Sriperumbudur Taluk,
Tamilnadu-602 117

Submitted to the Principal

[Handwritten Signature]

100231C/IT.

To: HOD-IT
Noted
26
15/9.

SRI VENKATESWARA COLLEGE OF ENGINEERING

Department of Information Technology

Ref.: SVCE/IT/Workshop/August 2018

27/08/2018

Submitted to the Principal:

Subject: Requisition of permission to conduct One day Workshop on Artificial Intelligence

It is proposed to conduct One Day Workshop on Artificial Intelligence for the students by the Department of Information Technology during 30th August 2018.

Objective

- To gain knowledge on various types of machine learning algorithms, mathematical concepts involved, deep learning introduction and real time applications of machine learning.
- To make students to understand and use machine learning tool Pandas Scikit Learn to build machine learning applications using Python.

Venue

Workshop will be conducted at the premises of Sri Venkateswara College of Engineering.

Target Audience

Internal Students/ Faculty/ Staff members.

Resource Person

- Sharma S Artificial Intelligence Director – agentz.ai company, having extensive intelligence in Artificial Intelligence, able to solve any complex problems in image and natural language processing. He had worked on face recognition of occlusive images and unsupervised Question and answer system.

Budget

Receipts:

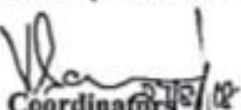
Fee collected per participant : Rs.370/- ✓
Number of Students : 50 ✓
Total Fee Collected : 50*Rs. 370 ✓ Rs .18,500/- ✓

Expenses:

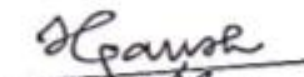
Honorarium to visiting Resource Person(includes Certificates) : Rs. 17,000/-
Stationary : Rs. 1000/-
Snacks & Tea (for all participants) : Rs. 500/-

Rs. 18,500/-

It is requested that the proposal may be kindly approved.


Coordinators
V. Saroja, AP/IT
V. Ranjith, AP/IT


HOD/IT i/c
Dr.V.Vidhya


27/8/18

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY

28th August 2018

To
Sharma.S
Artificial Intelligence Director,
Agentz.ai.

Dear Sir,

Subject: Invitation – One day workshop on Artificial Intelligence – reg.

At the outset we would like to thank you for your graceful acceptance of our invitation for one day industry based hands on workshop on “**Artificial Intelligence**” on **30th August 2018** organized by department of IT.

Our department engages in several activities like Workshops, Expert Lectures, Symposia and Industrial visits aimed to benefit our faculty and students. IT department also aims to provide the students an insight into the software industry and its requirements with suitable expert talks and practical training. These activities equip them to hone their technical and organizational skills.

The main objective of the above workshop is to gain knowledge on various types of machine learning algorithms, mathematical concepts involved, deep learning introduction and real time applications of machine learning. Also it will make students to understand and use machine learning tool Pandas Scikit Learn to build machine learning applications using Python.

Department of Information Technology looks forward to your presence amongst our faculty & students and sharing of your valuable thoughts and hands on training on this topic will definitely benefit them.

We thank you once again for accepting our invitation. We eagerly await the interaction with you to enrich our faculty and students with your expertise.

Thank you.

Yours sincerely,

(Dr. V. Vidhya)
HoD i/c/Information Technology
SVCE.



SRI VENKATESWARA COLLEGE OF ENGINEERING

Pennalur, Sriperumbudur Taluk – 602117

[Autonomous – Affiliated to Anna University]

DEPARTMENT OF INFORMATION TECHNOLOGY

solicit your esteemed presence for the

ONE DAY - INDUSTRY BASED HANDS ON WORKSHOP

on

“ARTIFICIAL INTELLIGENCE”

by

Mr. S. Sharma

Artificial Intelligence Director

Agentz.ai,

Chennai.

Venue : Marine Block IT Laboratory

Date : 30th August 2018

Time : 8.30 AM to 3.15 PM

All are welcome!



SRI VENKATESWARA COLLEGE OF ENGINEERING

Pennalur, Sriperumbudur Taluk – 602117

[Autonomous – Affiliated to Anna University]

AGENDA

DATE : 30.08.2018

TIME : 8.30 AM to 3.15 PM

- Prayer Song
- Welcome Address
- Introduction of Chief Guest
- Short note by HOD
- Technical Lecture & Hands on Session by Resource Person
- Feedback Session
- Certificate Distribution
- Vote of Thanks

Co-ordinators:

Ms. V.Saroja,AP/IT

Mr. V.Ranjith,AP/IT

All are welcome!

MOMENTS FREEZED

HOD GREETING THE OCCASION



WORKSHOP ILLUSTRATION 1



WORKSHOP ILLUSTRATION 2



PRIZE DISTRIBUTION



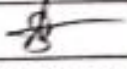
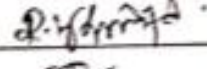

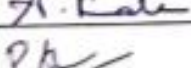
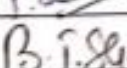
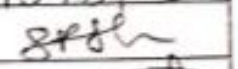
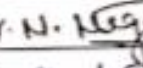
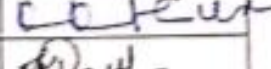
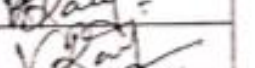
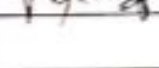
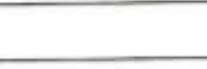
K Pranjith

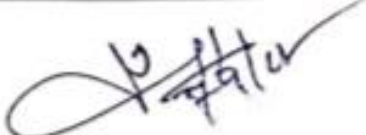
SIGNATURE OF COORDINATOR

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SIGNATURE OF HOD

FACULTY ATTENDANCE SHEET. 3d/12/18

| Sl.No | Register No | Name | Department /Sec | Year | Signature |
|-------|-------------|--|-----------------|------|--|
| 1 | | S. POORANI | AP/CS | |  |
| 2 | | R. Iywaraya | AP/CS | |  |
| 3 | | S.V. Muthunagai | AP/CS | |  |
| 4 | | A. KALA | AP/IT | |  |
| 5 | | P. Sharon Fermi | AP/IT | |  |
| 6 | | B. T. Phobana | AP/IT | |  |
| 7 | | J. Sharon ^{Rajitha} _{Editha} | AP/IT | |  |
| 8 | | V. N. Megala | AP/IT | |  |
| 9 | | K. Kiruthika Devi | AP/IT | |  |
| 10 | | K. Suresh. | AP/IT | |  |
| 11 | | V. Rajaram | AD/IT | |  |
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SRI VENKATESWARA COLLEGE OF ENGINEERING

**ONE DAY - INDUSTRY BASED HANDS ON WORKSHOP on
"ARTIFICIAL INTELLIGENCE USING PYTHON"**

ATTENDANCE SHEET

Date: 30/8/18

| Sl.No | Register No | Name | Department /Sec | Year | Signature |
|-------|-------------|--------------------|-----------------|------|--------------------|
| 1 | 170801014 | A.AshwinSiva | IT/A | II | A.AshwinSiva |
| 2 | 170801036 | B.Pritham | IT/A | II | B.Gowth |
| 3 | 170801030 | P. Sai Kumar | IT/B | II | P. Sai Kumar |
| 4 | 170801067 | R.Pradeep | IT/B | II | R.Pradeep |
| 5 | 170801101 | Tharun. R | IT/B | II | Tharun. R |
| 6 | 170801077 | V.Revathy | IT/B | II | V.Revathy |
| 7 | 170801052 | S. Laksha | IT/A | II | S. Laksha |
| 8 | 170801100 | Sruvatha. v | IT/B | II | Sruvatha. v |
| 9 | 170801068 | Pradhasha. R | IT/B | II | Pradhasha. R |
| 10 | 170801103 | Varshale. M | IT/B | II | Varshale. M |
| 11 | 170801105 | M.R. Vedhavashini | IT/B | II | M.R. Vedhavashini |
| 12 | 170801097 | C. SUNITHA | IT/B | II | C. SUNITHA |
| 13 | 170801110 | T.S. Vishnu Praty | IT/B | II | T.S. Vishnu Praty |
| 14 | 170801090 | L. Shreelaxa | IT/B | II | L. Shreelaxa |
| 15 | 170801065 | Davitlu. m | IT/B | II | Davitlu. m |
| 16 | 170801098 | Sri Divyansu. S | IT/B | II | Sri Divyansu. S |
| 17 | 170801086 | G. S. Shalini | IT/B | II | G. S. Shalini |
| 18 | 170801072 | Pradyumna. E | IT/B | II | Pradyumna. E |
| 19 | 170801069 | R. NIVETHA | IT/B | III | R. NIVETHA |
| 20 | 160801067 | B. PAVITHRA | IT/B | III | B. PAVITHRA |
| 21 | 160801110 | D. SWATHI | IT/B | III | D. SWATHI |
| 22 | 160801064 | S. NIVETHA | IT/B | III | S. NIVETHA |
| 23 | 160801093 | K. SHRI GAATHRI | IT/A | II | K. SHRI GAATHRI |
| 24 | 171001005 | K. Aditya Tejarath | MEC/A | II | K. Aditya Tejarath |
| 25 | 171001007 | E. AJAY | MEC/A | II | E. AJAY |
| 26 | 171001030 | J.V. Deevathi | MEC/A | II | J.V. Deevathi |
| 27 | 171001057 | M. Naveenkumar | MEC/A | II | M. Naveenkumar |

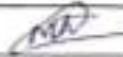

(Signature)

Students - Attendance Sheet . 30/01/18

| Sl.No | Register No | Name | Department /Sec | Year | Signature |
|-------|-------------|--------------------------|-----------------|-----------------|--------------------------|
| 1 | 17080103E | M. Harish Kumar | IT-A | 2 nd | M Harish Kumar |
| 2 | 170801033 | S. GOVINDARISHNAN | IT-A | 2 nd | S. Govindarishnan |
| 3 | 170801023 | R. Deepak Kumar | IT-A | 2 nd | R. Deepak Kumar |
| 4 | 170801059 | MUTHULAKSHMI.M | IT-B | 2 nd | Muthulakshmi.M |
| 5 | 170801061 | NITHYASHRI . K | IT-B | 2 nd | Nithyashree . K |
| 6 | 170801076 | RANIYA . : | IT-B | 2 nd | Raniya . |
| 7 | 160801042 | KISHORE . S | IT-A | 3 rd | K. Kishore . |
| 8 | 160801052 | M. Mohan Raj | IT-A | 3 rd | M. Mohan Raj |
| 9 | 160801054 | Jaya . K. Krishnamoorthy | IT-A | 3 rd | Jaya . K. Krishnamoorthy |
| 10 | 160801017 | N. BASHAYAM | IT-A | 3 rd | N. Bashayam |
| 11 | 160801114 | V. RATHNAM G | IT-B | 3 rd | V. Rathnam G. |
| 12 | 170801034 | V. PRANAVATH | IT-A | 2 nd | V. Pranavath |
| 13 | 170801020 | P. BHARATH KUMAR | IT-A | 2 nd | P. Bharath Kumar |
| 14 | 170801031 | P. Fajwal | IT-A | 2 nd | P. Fajwal |
| 15 | 170801010 | D. Anvinda Moorthy | IT-A | 2 nd | D. Anvinda Moorthy |
| 16 | 170801054 | G. Magush | IT-A | 2 nd | G. Magush |
| 17 | 170801003 | Ashwarya . P | IT-A | 2 nd | Ashwarya . P |
| 18 | 170801034 | Harish . P | IT-A | 2 nd | Harish . P |
| 19 | 170801002 | Adithyan . P | IT-A | 2 nd | Adithyan . P |
| 20 | 170801091 | Shravan Shrinivas | IT-B | 2 nd | Shravan Shrinivas |
| 21 | 170801074 | Rahul R.K | IT-B | 2 nd | R. K. Rahul |
| 22 | 170801052 | A. MOHAMMED SAI | MECH-A | 2 nd | A. Mohammed Sai |
| 23 | 160801061 | NITHYASHREE M | IT-A | 3 rd | Nithyashree M |
| 24 | 170801063 | PAKSHAL . A . JAIN | IT-B | 2 nd | Pakshal . A . Jain |
| 25 | 171001022 | T. Ashwin | Mech-A | 2 nd | T. Ashwin |
| 26 | 171001033 | P. Dineshraj | Mech-A | 2 nd | P. Dineshraj |
| 27 | 170801058 | MOHAMMED THAWAN A.S | IT-B | 2 nd | Mohammed Thawan A.S |

(Signature)

Students - Attendance sheet 30/1/18

| Sl.No | Register No | Name | Department /Sec | Year | Signature |
|----------|-------------|--------------------|-----------------|------|---|
| 1 | 17031058 | MAHAMMED THOWFIK-S | IT-B | 2nd |  |
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FEEDBACK

DEPARTMENT

: IT

Name of the Speaker

: S. Sharma

Designation

: A.I Director

Institution/University/Organisation :

Agents.ai

Mobile / E-mail

: 7418490015

Title of the Lecture

: A.I using Python

Date

: 30/8/18

Time

: 8.30 - 3.15 PM

Venue

: Marine Block IT Lab (first floor)

Comments by the Speaker

: It was good interactive session, students were highly interactive with some pre-awareness

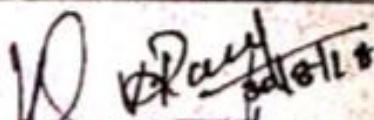
Suggestions for improvement

: One day session is not enough, so make it two days atleast


Signature of the Speaker

: S.S

Signature of Coordinator


30/8/18

Signature of HOD


30/8/18



FT/GN/29A/04/30.06.2016

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK - CONFERENCE / SEMINAR / WORKSHOP / FDP

| | |
|--|---|
| Name of the Faculty/Staff | P. Sharon Fermi |
| Designation & Department | AP/IT |
| Industry / Institution Visited | |
| Duration of Training / Course with date | 1 day on 30/8/18 |
| Details of the Training / Course | Industry based Hands-on Workshop on "Artificial Intelligence using Python" |
| Plants visited during training | |
| Whether the training/Course was useful? In what way? Give reasons. | The training was useful. AI concepts were discussed along with machine learning algorithms using Python. |
| Any other suggestions | The number of days may be increased with advanced machine learning concepts. <p style="text-align: right;">P. Sharon Fermi Signature 30/8/18</p> |
| Effectiveness review by HoD | As her research area is machine learning would be useful for her research. Also she is handling AI for 3rd year IT students and acting as member in Interdisciplinary project. (Mechanical dept collaborated project) <p style="text-align: right;">Signature of HoD</p> |

The person who has attended the course should prepare this in triplicate and submit copies to: A1, A3 and Dept.



FT:GN/29A/04/30.06.2016

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK - CONFERENCE / SEMINAR / WORKSHOP / FDP-

| | |
|--|--|
| Name of the Faculty/Staff | K. Kiruthika Devi |
| Designation & Department | AP / IT |
| Industry / Institution Visited | - |
| Duration of Training / Course with date | one day - 30/8/18 |
| Details of the Training / Course | Industry based Hands on Workshop on "Artificial Intelligence using Python" |
| Plants visited during training | - |
| Whether the training/Course was useful? In what way? Give reasons. | Yes. The Workshop was useful. Machine learning algorithms were discussed. Demonstration on Deep learning was useful. |
| Any other suggestions | The number of days could be extended |
| Effectiveness review by HoD | She is working with data science research group. would be more useful for her research. |

K. Kiruthika Devi
Signature

Signature of HoD

The person who has attended the course should prepare this in triplicate and submit copies to: A1, A3 and Dept.



FT/GN/29A/04/30.06.2016

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK - CONFERENCE / SEMINAR / WORKSHOP / FDP

| | |
|--|---|
| Name of the Faculty/Staff | A. KALA |
| Designation & Department | AP / IT |
| Industry / Institution Visited | - |
| Duration of Training / Course with date | one day - 30/8/18 |
| Details of the Training / Course | Industry based Hands-on workshop on "Artificial Intelligence using Python" |
| Plants visited during training | - |
| Whether the training/Course was useful? In what way? Give reasons. | Yes. The workshop was very useful. Machine Learning algorithms were clearly explained and demonstrated implementing algorithms in python. |
| Any other suggestions | Advanced Machine Learning algorithms could have been demonstrated. A. Kala Signature 30/8/18 |
| Effectiveness review by HoD | doing ph D with machine learning area. Also visiting the students to identify the problems from machine learning for competition as project coordinator Signature of HoD |

The person who has attended the course should prepare this in triplicate and submit copies to: A1, A3 and Dept.



FT/GN/29A/04/30.06.2016

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK - CONFERENCE / SEMINAR / WORKSHOP / FDP

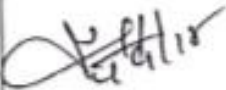
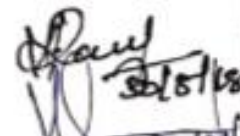
| | |
|--|--|
| Name of the Faculty/Staff | B.T. SHOBANA |
| Designation & Department | AP/IT |
| Industry / Institution Visited | - |
| Duration of Training / Course with date | 1 day on 30/06/18 |
| Details of the Training / Course | Industry based Hands-on workshop on "Artificial Intelligence using python" |
| Plants visited during training | - |
| Whether the training/Course was useful? In what way? Give reasons. Yes. The training was very useful. Machine learning techniques and Algorithms were demonstrated using Python libraries. | |
| Any other suggestions In future, the no of days conducted could be extended. <p style="text-align: right;">B.T. Shobana Signature 30/06/18</p> | |
| Effectiveness review by HoD Working with data science research group. Also giving guidance & motivation to the students towards competition - <p style="text-align: right;">[Signature] Signature of HoD</p> | |

The person who has attended the course should prepare this in triplicate and submit copies to: A1, A3 and Dept.



FT/GN/31A/00/10.06.15

SRI VENKATESWARA COLLEGE OF ENGINEERING
FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

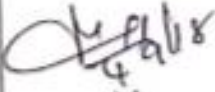
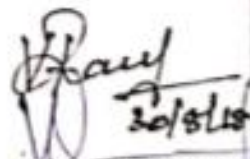
| | |
|--|--|
| Name of the Student | Shravan Srinivasan |
| Branch/Semester/Section/Roll No. | IT/IV/B/91 |
| Industry/ Institution Visited | SVCE |
| Duration of Training/ Course with date | 9am-3pm / AI (30/8/18) |
| Plants visited during training | |
| Whether the training/Course was useful? In what way? Give reasons. | We get to explore The basis of python with implementation of AI |
| Any other suggestions | Keep The Good work Shravan Srinivasan Signature |
| Report and Copy of Certificate submitted. |  HOD i/c  Faculty Incharge 20/8/18 |

The person who has attended the course should prepare this in triplicate and submit copies to:
A2, A3 and Dept.



FT/GN/31A/00/10.06.15

SRI VENKATESWARA COLLEGE OF ENGINEERING
FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

| | |
|--|--|
| Name of the Student | N. BASHAYAM |
| Branch/Semester/Section/Roll No. | IT <u>V</u> - A 17 |
| Industry/ Institution Visited | Artificial Intelligence using Python |
| Duration of Training/ Course with date | - |
| Plants visited during training | - |
| Whether the training/Course was useful? In what way? Give reasons. | Yes. We got insights about the AI platform and Python Language. |
| Any other suggestions | Duration should be higher |
| Report and Copy of Certificate submitted. | |
|  HOD i/c |  Faculty Incharge 20/8/18 |

The person who has attended the course should prepare this in triplicate and submit copies to:
A2, A3 and Dept.

SRI VENKATESWARA COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

One Day Workshop on Artificial Intelligence using Workshop

30th August 2018

A Report

The Department of Information Technology organized **One Day Industry based Hands-on Workshop on Artificial Intelligence using Python** on 30th August, 2018. The resource person for the workshop was Mr. S Sharma, Director from Agentz.ai. Ms.V.Saroja, Assistant Professor, Department of Information Technology welcomed all participants and the resource person from Agentz.ai. Dr.V.Vidhya, Head-Incharge, IT gave an introductory talk emphasizing the importance of the workshop and also motivated the students and faculty members to make use of this opportunity. The chief guest introduction was given by Ms Nithyashree from III year IT.

After inauguration, the resource person started the session with a short note on Artificial Intelligence, Machine learning and Deep Learning. After the introduction, he elaborated about the workshop agenda to the participants. He explained about supervised learning, unsupervised learning and reinforcement learning algorithms with suitable examples. In supervised learning, he briefly explained Classification and Regression. In unsupervised learning he explained clustering in detail and also he elaborated on those algorithms with python packages like Pandas, Scikit, NumPy packages to implement machine learning algorithms.

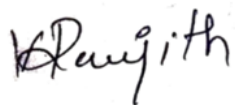
This workshop was intended to provide opportunity for faculty members and students for upgrading their knowledge in the area of Artificial Intelligence, Machine Learning and Python. The workshop was conducted with 54 students (47 students from IT & 7 students from Mechanical) and 11 faculty members (8faculty members from IT & 3faculty members from CS). The program was very well received by the participants, as all the sessions were practical. The workshop was very much appreciated by the participants. As a concluding note we express our heartfelt thanks to our Management, Principal and HoD for their great support for the conduct of the programme.

Workshop Coordinators
19/11/18

Head Incharge/IT
11/8

OUTCOMES

AI increases efficiency and refocuses daily tasks and efforts with an emphasis on creation and creativity. AI will make us more productive, so people can focus on building the next best thing.



SIGNATURE OF COORDINATOR



SIGNATURE OF HOD