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

To: HOD-IT
Noted

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:

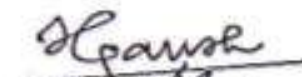|		
Fee collected per participant	: Rs.370/-	
Number of Students	: 50	
Total Fee Collected	: 50*Rs. 370	Rs .18,500/-

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

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	**: 30 th 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

SIGNATURE OF COORDINATOR

SIGNATURE OF HOD

FACULTY ATTENDANCE SHEET. 3d8hs

Sl.No	Register No	Name	Department /Sec	Year	Signature
1		S. POORANI	AP/CS		
2		R. Iyswarya	AP/CS		
3		S.V. Muthunagai	AP/CS		
4.		A. KALA	AP/IT		A. Kala
5.		P. Sharon Fermi	AP/IT		
6		B. T. Shobana	AP/IT		B.T. Shoban
7.		J. Sharon Ranjitha	AP/IT		
8.		V. N. Negala	AP/IT		V.N. Negala
9.		K. Kiruthika Devi	AP/IT		
10.		K. Suresh.	AP/IT		
11.		V. Rajaram	AP/IT		

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. Ashwin Siva	I.T /A	II	A. Ashwin Siva
2	170801036	B. Gowtham	IT /A	II	B. Gowtham
3	170801080	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
6	170801077	V. Revathy	IT/B	II	V. Revathy
7	170801052	S. Laksha	IT/A	II	Lakshmi
8	170801100	Swatha. v	IT/B	II	Swatha
9	170801068	Pradhasha. R	IT/B	II	Pradhasha
10	170801103	Varshali. M	IT/B	I	Varshali. M
11	170801105	M.R. Vedhavarshini	IT/B	II	M.R Vedha
12	170801097	C. Sujitha	IT/B	II	Suji C
13	170801110	T.S. Vishnu Priya	IT/B	I	Vishnu
14	170801090	L. Shobhya	IT/B	I	L. Shobhya
15	170801065	Pavithra. m	IT/B	II	Pavithra. m
16	170801088	Sri Devasena. S	IT/B	II	Devasena
17	170801026	G. S. shalini	IT/B	II	Shalini G.S
18	170801072	Priyadarshini E	IT/B	II	priyadarshini
19	160801063	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	160801044	S. NIVETHA	IT/B	III	S. Nivetha
23	140801093	K. SHRI GAYATHRI	IT/B	III	
24	171001005	K. Adhitya Jegarath	MEC/A	II	Aditya
25	171001007	E. AJAY	MEC /A	II	E. Ajay
26	171001030	J.V. Deevesh	MEC/A	II	J.V. Deevesh
27	171001057	M. Naveenkumar	MEC/A	II	M. Naveen

Students – Attendance Sheet · 3o/8/18

Sl.No	Register No	Name	Department /Sec	Year	Signature
1	17080103E	M. Harish Kumar	IT-A	2nd	M.Harish Kumar
2	17080l033	S. Gokulakrishnan	IT-A	2nd	S.Gokul
3	170801023	B. Deepak Krishnan	IT-A	2nd	Deepak
4	17080l057	Muthulakshmi. M	IT-B	2nd	Muthu
5	17080l0E1	Nithyashri. K	IT-B	2nd	Nithyashri
6	170801076	Ramya	IT-B	2nd	Ramya
7	160801042	Kishore. S	IT-A	3rd	S. Kishore
8	16080l032	M. Mohan Raj	IT-A	3rd	Mohan
9	1608010..	Jayanthi Krishnamurthy	IT-A	3rd	Jaya
10	16080l017	N. Bashayam	IT-A	3rd	N.bash
11	160801114	Varun Rathnam G	IT-B	3rd	Varun G
12	17080l034	V. Phomanath	IT-A	2nd	Guru A.V.P
13	17080l026	P. Bharath Kumar	IT-A	2nd	Bharath
14	170801031	P. Eswar	IT-A	2nd	P.Eswar
15	170801010	D Aravinda Moorthy	IT-A	2nd	Aravinda Moorthy
16	170501054	G. Magesh	IT-A	2nd	Ga
17	170801003	Aishwarya. P	IT-A	2nd	Ash
18	170801039	Harish P	IT-A	2nd	Ha
19	170801002	Adithya. P	IT-A	2nd	A
20	170801091	Shravan Srinivas	IT-B	2nd	S.Shravan
21	170801074	Rahul R.K	IT-B	2nd	R.K.Rahul
22	171001052	A. Mohammed Safi	Mech.-A	2nd	Safi
23	16080l061	Nithyashree M	IT-A	3rd	Nith
24	170801063	Pakshal. A. Jain	IT-B	2nd	Pakshal
25	171001022	T. Ashwin	Mech-A	2nd	Ash
26	171001033	P. Dineshraj	Mech-A	2nd	P.Dinni
27	170801058	Mohammed Thouseeth A.S	IT-B	2nd	Thith

Students - Attendance sheet 30/9/17

Sl.No	Register No	Name	Department /Sec	Year	Signature
1.	17050058	MOHAMMED THOWFIQ·S	IT-B	2nd	

FEEDBACK

DEPARTMENT : IT

Name of the Speaker :	S. Sharma
Designation :	A.I Director
Institution/University/Organisation :	Agentz.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 :
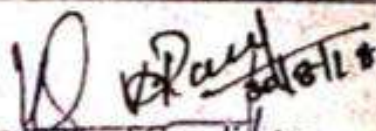
It was good interactive session, Students were highly interactive with Some Pre - awareness

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

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK – CONFERENCE / SEMINAR / WORKSHOP / FDP

Name of the Faculty/Staff	P. Sharon Femi
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. Sharon Femi
Signature 30/8/18

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 is Intrdiscipline Signature of HoD project - (Mechanical dept collaborated project)

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

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

ㄴㄷㄹㄷㄴ
Signature

Effectiveness review by HoD

She is working with datascience research group. would be more useful for her research.

Signature of HoD i/c

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

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.

Signature 30\|3\|18

Effectiveness review by HoD

doing ph D with machine learning area. Also insisting 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.**

SRI VENKATESWARA COLLEGE OF ENGINEERING

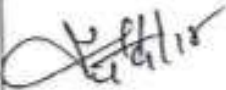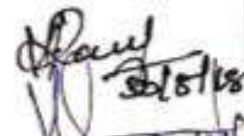## FEEDBACK – CONFERENCE / SEMINAR / WORKSHOP / FDP

Name of the Faculty/Staff	B.T SHOBANA
Designation & Department	AP/IT
Industry / Institution Visited	–
Duration of Training / Course with date	1 day on 30/2/18
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 Algorithm were demonstrated using Python libraries.

Any other suggestions

In future, the no of days conducted could be extended.

B.T Signature 30/2/18

Effectiveness review by HoD

working with data science research group. Also giving guidance & motivation to the students towards competition –

Signature of HoD

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

SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

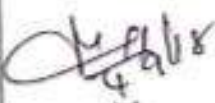|	
Name of the Student	Shravan Srinivasan
Branch/Semester/Section/Roll No.	IT / III / B / 91
Industry/ Institution Visited	SVCE
Duration of Training/ Course with date	9am-3pm / AI (30/8/18)
Plants visited during training	

Whether the training/Course was useful? In what way? Give reasons.

We get to explore The basics of python with implementation of AI

Any other suggestions

Keep The Good work

Signature

Report and Copy of Certificate submitted.

HOD I/C

Faculty Incharge

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

FEEDBACK - INPLANT TRAINING / SHORT TERM COURSE

Name of the Student	N · BASHAYAM
Branch/Semester/Section/Roll No.	IT $\overline{M}$ - 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 show the AI platform and Python Language.

Any other suggestions

Duration should be higher

Signature

Report and Copy of Certificate submitted.

HOD i/c

Faculty Incharge

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.
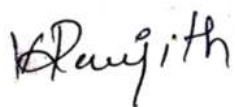
Workshop Coordinators

Head Incharge/IT

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