Indore Institute of Science and Technology
Event Report

Academic Year – 2021-22   Session: Jan-June 2022

Name of Event: 30 Hours Training on Linux

Date of Event: 31 Jan 2022-17 Feb 2022

Organizing Dept.: IT

Event Coordinator: Ms. Dipti Rege
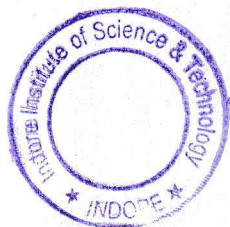
Name of Expert/Guest: Ms.Megha Birthare

Institute / Company: IIST

Designation: Asst Prof   Department: CSE

Email Id: megha.birthare@indoreinstitute.com

Details of Participants:

No. of Institutes Participated	No. of Students Participated	Department CSE/IT/EC/ME/CM/ESH	No. of Industry Representative	Remark if any
1	70	IT		

HOD   Principal

DATE:11/01/2022

Approval Letter

Department of Information Technology is interested to organize 30 Hrs Training on Linux from 31 Jan to 17 Feb 2022 10:00 AM onwards for IT II Year students in association with IIST RedHat academy.

Kindly approve for organizing the training.

**HoD IT**

DATE:24/01/2022

Notice

All Students and Faculty members are hereby informed that department of IT is organizing 30 Hrs training on Linux from 31 Jan to 17 Feb 2022 from 10:00 AM to 12:00 Noon for II Year students in association with IIST RedHat academy. All the students from II IT should take benefit of the same.

For more detail contact faculty coordinator Ms.Dipti Rege (IT Department) and student coordinator Mr. Puneet Kumar Dwivedi.

Expert : Ms. Megha Birthare

HoD IT
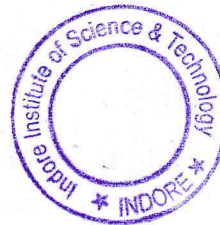
Principal

Objectives

The objectives of the Certification Course are:

- To teach principles of operating system including File handling utilities, Security by file permissions, Basic Linux commands, Scripts and filters.

- To familiarize fundamentals of the Bourne again shell (bash), shell programming, pipes, input and output redirection Control structures, arithmetic in shell interrupt processing, functions, debugging shell scripts.
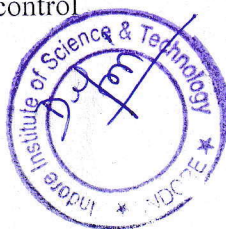
Outcomes
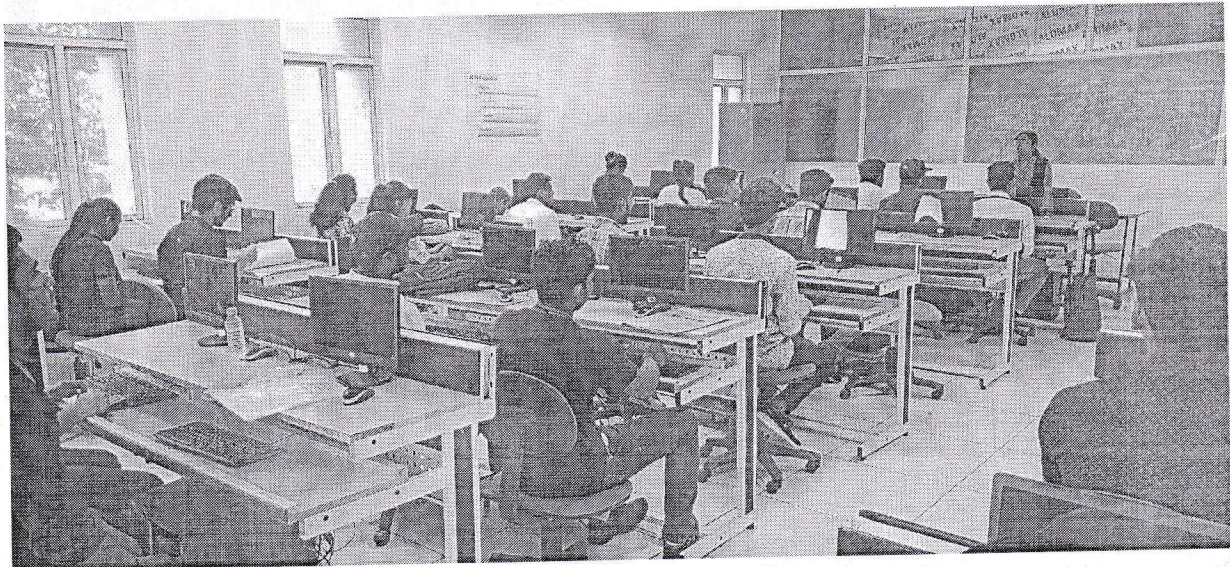
On completion of this course, students would be able to:

- Ability to use various Linux commands that are used to manipulate system operations.

- Ability to write Shell Programming using Linux commands.

Course Content

1. Introduction to operating systems: OS functions, OS types, components (kernel, drivers, etc.); command-line interfaces (CLIs) vs. GUI interface (GUIs) {1class}

2. Introduction to UNIX: Linux/UNIX history; CLI: shells, bash, C shell; distributions and application software; file system structure, pathnames, file permissions {4 classes}

3. Effective shell (CLI) usage: basic commands and utilities (cd, mkdir, rm, cp, cat, etc.); piping, redirection, filters (grep, sed etc.); command line editing, history, etc; shell startup files, aliases {6 classes}

4. Bash shell programming: variables, parameters; control constructs (if, for, while, etc.); I/O {4 classes}

Activity photo

Indore Institute of Science and Technology
Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

Copy of sample certificate

IST | Indore Institute of
Science & Technology

Certificate of Participation

This is to certify that

Puneet Kumar Dwivedi

has successfully attended **training on Linux**

from 31 Jan to 17 Feb 2022, organized by **IIST, Indore.**

Dr. Rajkumar Jain
Dean-CSE, IT & AIML, IIST

Dr. Keshav Patidar
(I/c.) Principal, IIST

Mr Arun S Bhatnagar
Director General
IIST-IIP-IIMR

Indore Institute of Science and Technology

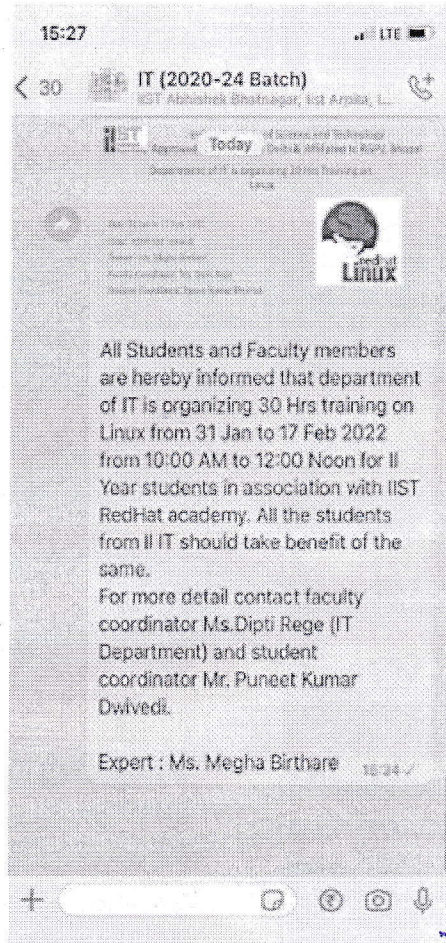Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

Summary:

Department of IT has organized Training on Linux for II Year students. The training was from 31 Jan to 17 Feb 2022 from 10.00 AM 12:000 noon. 70 students participated in the training. Students had intense training for 30 Hour. The training commenced from 10.00 AM. HoD IT addressed students and welcomed them for the training. Dr. Sathish, HoD IT said that Linux, which is a free operating system and free from viruses, has been adapted by more computer hardware platforms than any other operating system. He said that Linux is the most preferred operating system for mobile phones, tablet computers, network routers and video games, and is used by 95% of the world's fastest supercomputers. For this reason, he said that especially IT students should have knowledge of Linux when they finish their graduation so that they get better opportunity in the job market. He then handed over the session to trainer, Ms. Megha Birthare. She started training with the salient features of LINUX, the Free and Open Source Software. There was an introductory highlight about operating system. Trainer then gave demonstration of Linux Desktop Environment. Later on there were practical and hands on session on various basic commands, file related commands, directory related commands, permissions, redirections and shell programming. Students were also made familiar with vi editor. Overall, this training provided great insight on Linux operating system to students and students found this training helpful. Total 70 students participated in the training.

Whatsapp screenshot as proof:

15:27

IT (2020-24 Batch)
IIST Abhishek Bhatnagar, Iist Amita, L...

All Students and Faculty members are hereby informed that department of IT is organizing 30 Hrs training on Linux from 31 Jan to 17 Feb 2022 from 10:00 AM to 12:00 Noon for II Year students in association with IIST RedHat academy. All the students from II IT should take benefit of the same.
For more detail contact faculty coordinator Ms.Dipti Rege (IT Department) and student coordinator Mr. Puneet Kumar Dwivedi.

Expert : Ms. Megha Birthare

Indore Institute of Science and Technology

Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

Department of Information Technology

Event Name: 30 Hrs Training on Linux

Academic Year: 2021-2022

Academic Session: Jan - June 22

S.No	Enrollment No	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Sign
			31/1	1/2	2/2	3/2	4/2	7/2	8/2	9/2	10/2	11/2	12/2	14/5	15/5	16/5	17/5	
1.	0818IT201001	AAKASH SONI	P		P	P	P	P		P		P	P		P	P	P	
2.	0818IT201002	ADITYA		P	P	P	P	P	P	P	P			P	P	P	P	
3.	0818IT201003	ADITYA JAIN	P	P	P	P	P	P			P	P	P	P			P	
4.	0818IT201004	ADITYA SINGH	P	P		P		P	P		P	P		P	P	P	P	
5.	0818IT201005	AJAY KAG	P		P		P	P	P		P	P	P		P	P		
6.	0818IT201006	AJEET KUMAR TIWARI		P	P	P	P	P		P				P	P		P	
7.	0818IT201007	AKSHITA KUMRAWAT	P		P	P	P	P		P	P	P		P		P	P	
8.	0818IT201008	ANAMIKA YADAV	P	P	P	P	P	P		P	P	P	P	P	P	P		
9.	0818IT201009	ANIRUDH PATEL	P	P	P	P	P		P			P	P		P		P	
10.	0818IT201010	ANJALI	P	P			P	P	P		P		P	P		P	P	
11.	0818IT201011	ASHISH KASHIV	P		P	P	P	P	P		P		P	P	P	P	P	
12.	0818IT201012	ASHISH PATIDAR		P	P	P			P	P	P	P	P	P		P		
13.	0818IT201013	ASHWIN DUBEY	P	P	P	P	P	P		P	P		P	P		P		
14.	0818IT201014	ATUL SINGH PARIHAR	P			P	P	P		P	P	P	P	P	P	P	P	
15.	0818IT201015	AVINASH BAIRAGI		P	P	P	P	P		P	P		P	P		P	P	
16.	0818IT201016	AYUSH PATIDAR	P	P	P	P	P	P		P	P		P		P	P	P	
17.	0818IT201017	AYUSHI DUBEY		P	P	P		P		P		P	P	P	P		P	
18.	0818IT201018	DEEPAK	P	P	P	P	P		P	P		P	P		P	P	P	
19.	0818IT201019	DEEPIKA SONI	P	P	P	P	P	P			P	P	P	P	P	P		

S.No.	Enrollment No.	Name	Attendance															Signature
20.	0818IT201020	DHIRENDRA VISHWAKARMA	P	P	P	P	P		P	P		P	P	P		P	P		Dhiren
21.	0818IT201021	DWARKADHISH JAT	P	P	P	P	P	P	P	P	P	P		P	P	P	P		Dwarka
22.	0818IT201022	GAURAV YADAV	P		P	P	P	P	P		P	P	P	P	P	P	P		Gaurav
23.	0818IT201023	HARITOSH RAY	P	P		P	P	P	P	P		P	P		P		P		Haritosh Ray
24.	0818IT201024	HRITIK NAGAR		P	P	P	P		P		P		P	P	P	P	P		
25.	0818IT201025	JAY KANATHE	P	P	P		P	P		P	P	P		P	P		P		Jay Kanathe
26.	0818IT201026	KHEMCHAND MEHRA	P	P	P	P		P	P	P		P	P	P	P	P			Kishor
27.	0818IT201027	KISHORE DHAMODKAR	P			P	P	P	P	P	P		P		P		P		Kisho
28.	0818IT201028	KRISH LIKHAR	P	P	P	P	P	P		P	P	P		P	P	P			Likhar
29.	0818IT201029	KULDEEP MANDLOI	P	P	P	P	P		P	P	P	P		P	P	P			Mandloi
30.	0818IT201030	LUV KUMAR SAHU	P	P	P	P	P	P		P		P	P				P		
31.	0818IT201031	MAHENDRA NAGAR	P				P	P	P	P		P		P	P	P	P		
32.	0818IT201032	MANISHA THAKULLA		P	P	P	P		P	P	P	P		P	P	P			Manisha
33.	0818IT201033	MOHIT NAGAR	P	P	P	P		P			P	P	P		P	P	P		
34.	0818IT201034	MOHIT PATNI	P	P	P	P	P		P	P	P	P	P	P		P			Mohit
35.	0818IT201035	MONIKA PATIDAR			P	P	P	P	P	P			P	P	P	P			
36.	0818IT201036	MUKUND PURANIK	P	P	P	P			P	P		P	P		P				
37.	0818IT201037	MUSKAN SIRSE	P	P	P		P		P		P	P	P	P		P	P		Muskan
38.	0818IT201038	NANDANI GUPTA	P		P	P	P		P		P	P	P	P	P	P	P		Ngupta
39.	0818IT201039	NIRMAL DANGI	P	P	P	P	P	P	P		P	P	P		P	P			Nirmal
40.	0818IT201040	NIRMAL SINGH PARMAR	P	P		P		P	P	P	P		P			P	P		Nirmal
41.	0818IT201041	PARTH SARTHI SAXENA	P	P	P	P	P		P	P		P		P	P		P		Parth
42.	0818IT201042	PAYAL SHARMA		P	P		P	P		P	P		P	P	P	P	P		Sharma
43.	0818IT201043	PIYUSH MISHRA	P	P	P	P	P	P		P	P		P		P	P	P		Piyush
44.	0818IT201044	PIYUSH RAJPUT	P	P	P	P		P	P	P	P		P	P		P			Piyush
45.	0818IT201045	PRAJWAL ATKARE	P	P	P	P	P	P		P	P		P	P	P	P			
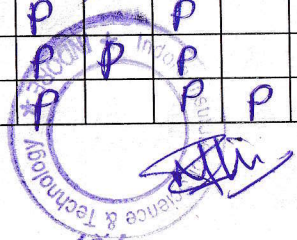
Indore Institute of Science and Technology
Event Report

Academic Year – 2018-19   Session: Jan to June 2019

Name of Event: Internship on Machine Learning using Python and RHCSA

Date of Event: 17 June-10 July

Organizing Dept.: CSE

Event Coordinator: Ms.Sonali Tidke

Name of Partner / co-organizer (If Industry is involved): RedHat Academy

Contact No.: 8249397291   Email Id: siba.kumar@cossindia.net

 Name of Industry Representative: Mr. N Siba Reddy, Mr. Vijay A Patil

Contact No.:   9845953473

Name of Expert/Guest: Mr. N Siba Reddy, Mr. Vijay A Patil
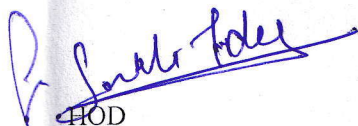
Institute / Company: RedHat Academy

Contact No.:8249397291   ,

 Email Id: siba.kumar@cossindia.net

Details of Participants:

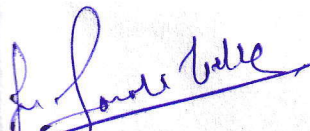| No. of Institutes Participated	No. of Students Participated	Department	No. of Industry Representative	Remark if any
		CSE/IT/EC/ME/CM/ESH		
1	11	CSE	2	

HOD
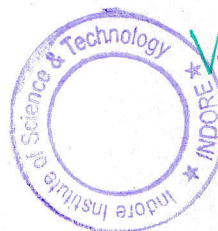
Principal

DATE:1/04/2019

Approval Letter

Department of CSE is interested to organize 160 Hrs Internship on Machine Learning using Python and RHCSA from 17 June to 10 July 2019 in association with IIST RedHat academy.

Kindly approve for organizing the internship.
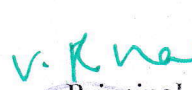
HoD

V. Khan

3/04/2019

Notice

All Students and Faculty members are hereby informed that department of CSE is organizing Internship on Machine Learning using Python and RHCSA from 17 June to 10 July 2019 from 9:15AM to 4:00 PM. All the interested students from IV Year (2016 Batch) should give their names to Mr. Nitin Rathore before 15 April 2019.
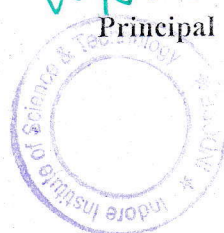
For more detail contact faculty coordinator Ms.Sonali Tidke (CSE Department) and students coordinator Mr.Animesh Sharma.

Expert : Mr. N Siba Reddy, Mr. Vijay A Patil

HoD CSE

Principal

PRODEVANS TECHNOLOGY BANGALORE

ON CAMPUS INTERNSHIP

OCI SERIES

RED HAT

Red Hat Certified System
Administrator Training

MACHINE LEARNING

Machine Learning using
Python

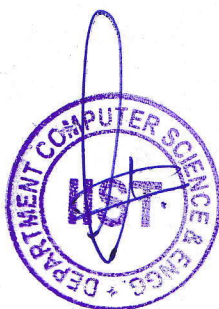| TRAINER	DAYS	HRS	DATE	TIME
Mr. Abhishek (Prodevans Technology)	21	160	17 JUNE	9:30 AM

Objectives

ML Course Objectives:

The course will be a guide to learning how to use the power of Python to analyze data, create beautiful visualizations, and use powerful machine learning algorithms!

This course is designed for both beginners with some programming experience or experienced developers looking to make the jump to Data Science!

RHCSA (RedHat Certified System Administrator) Course Objectives:

Main objectives of this course is to make students aware about how to:

1. Install Red Hat Linux interactively and with Kickstart
2. Control common system hardware; administer Linux printing subsystem
3. Create and maintain the Linux filesystem
4. Perform user and group administration
5. Integrate a workstation with an existing network
6. Configure a workstation as a client to NIS, DNS, and DHCP services

Outcomes

ML Course Outcome

On completion of this course, students would be able to:

- Use Python for Data Science and Machine Learning
- Implement Machine Learning Algorithms
- Learn to use NumPy for Numerical Data
- Learn to use Pandas for Data Analysis
- Learn to use Matplotlib for Python Plotting
- Learn to use Seaborn for statistical plots

RHCSA (RedHat Certified System Administrator) Outcomes:

Upon successful completion of this course, students will possess basic Linux system administrator knowledge and will have actual ability to install, configure, and attach a new Red Hat Linux system to an existing production network.
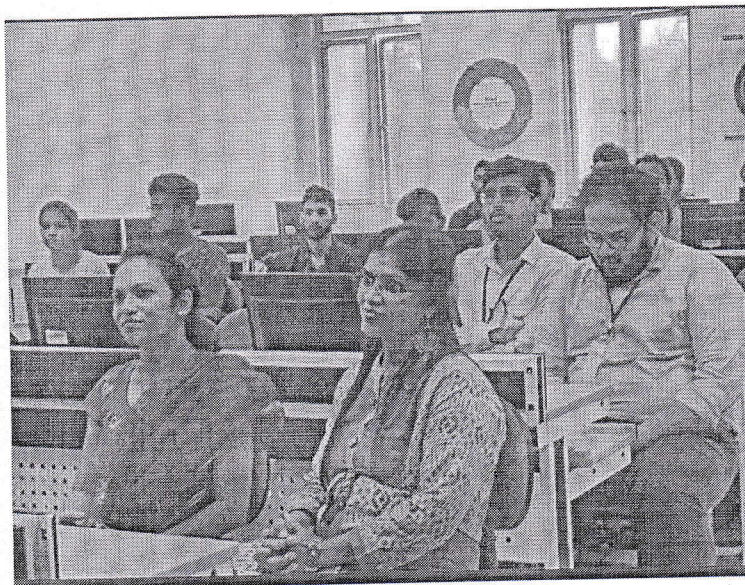
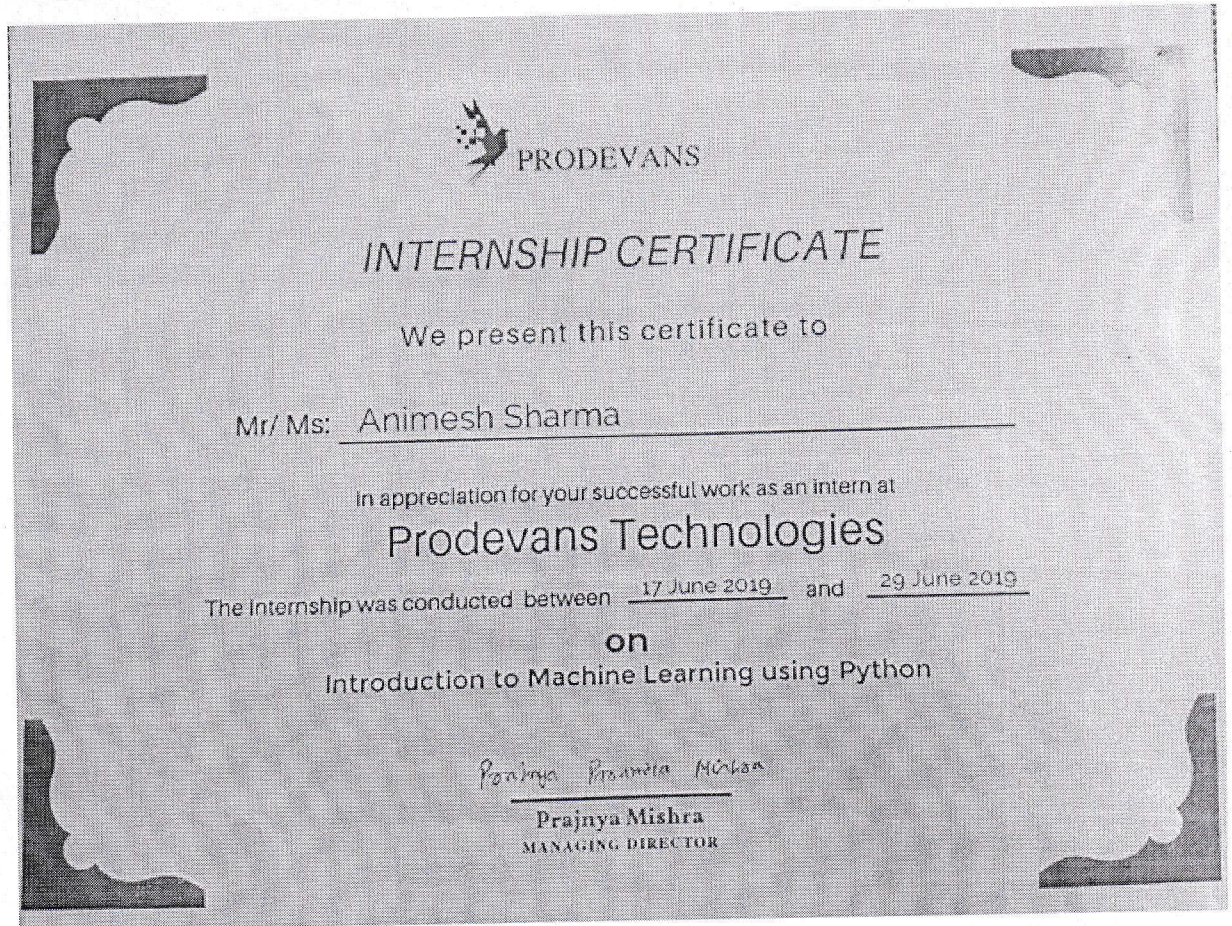# Indore Institute of Science and Technology
Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

List of Participant

S.No	Enrollment No	Name	Year
1.	0818CS161002	AAKANKSHA KULHAR	IV
2.	0818CS161037	ANIMESH SHARMA	IV
3.	0818CS161097	HUSAINA BABUKHANWALA	IV
4.	0818CS161141	PARINATI RAJPUT	IV
5.	0818CS161151	PRAMOD VERMA	IV
6.	0818CS161160	KU PRIYANKA PATIDAR	IV
7.	0818CS161184	SANDEEP	IV
8.	0818CS161199	SHIVANGI MANDHANYA	IV
9.	0818CS161201	SHREYANSH JAISWAL	IV
10.	0818CS161206	SHUBHAM HATEJ	IV
11.	0818CS161235	YASH RAJ SINGH TOMAR	IV

Activity photo

Indore Institute of Science and Technology
Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

Copy of sample certificate

PRODEVANS

INTERNSHIP CERTIFICATE

We present this certificate to

Mr/ Ms: Animesh Sharma

In appreciation for your successful work as an intern at

Prodevans Technologies

The internship was conducted between   17 June 2019   and   29 June 2019

on

Introduction to Machine Learning using Python

Prajnya Prasanta Mishra

Prajnya Mishra
MANAGING DIRECTOR

PRODEVANS

COSS

INTERNSHIP CERTIFICATE

We present this certificate to

Name: Animesh Sharma

I in appreciation for your successful work as an intern at

Prodevans technologies

On: RedHat Certified System Administrator (RHCSA) training

1 July 2019 to 6 July 2019

Prajnya Pranuta Mishra

Prajnya Mishra
Managing Director,
COSSINDIA

Indore Institute of Science and Technology

Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

Summary:

Department of Computer Science and Engineering, at Indore Institute of Science and Technology, Indore has conducted Internship on **"Machine Learning using Python and RHCSA"** in association with **"RedHat Academy"** under **On-Campus Internship Programme (OCI)**. The Internship Session has been inaugurated by Shri Arun S. Bhatnagar, Director General IIST and Dr. V R Raghuveer, Principal IIST. Ms. Sonali Tidke, HOD, CSE Dept briefed about the Internships going to be conducted under OCI in the Inauguration Ceremony. This internship has been held from 17th June 2019 till 6th July 2019.

Mr. N Siba and Mr. Vijay were the Resource Persons who provided Internship. Each Internship Session has been conducted for Three Hours from 9:15AM to 12:15PM followed by a Practice Session of Three Hours from 1:00PM till 4:00PM. Students practiced daily tasks at evening from 6:00 PM to 8:00 PM and follow-up for the same was taken by instructor on daily basis. Under this internship, students of Computer Science and Engineering Department has been taught MTA Certification course for Python. The topics Discussed are:

Machine using Python:

- How to program in Python.
- Implementing Data types, statement, operators and strings etc.
- Implementing OOPs in Python.
- Create GUI Applications using Python.
- Connecting with databases.
- Implementing TCP Socket connectivity.
- Programming with Python
- NumPy with Python
- Using pandas Data Frames to solve complex tasks
- Use pandas to handle Excel Files
- Web scraping with python
- Use matplotlib and seaborn for data visualizations
- Machine Learning with SciKit Learn, including:
- Linear Regression
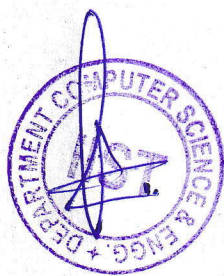- Logistic Regression

RHCSA course content:
- Access the command line
- Manage files from the command line
- Get help in Red Hat Enterprise Linux
- Create, view, and edit text files
- Manage local Linux users and groups
- Control access to files with Linux file system permissions
- Monitor and manage Linux processes
- Control services and daemons
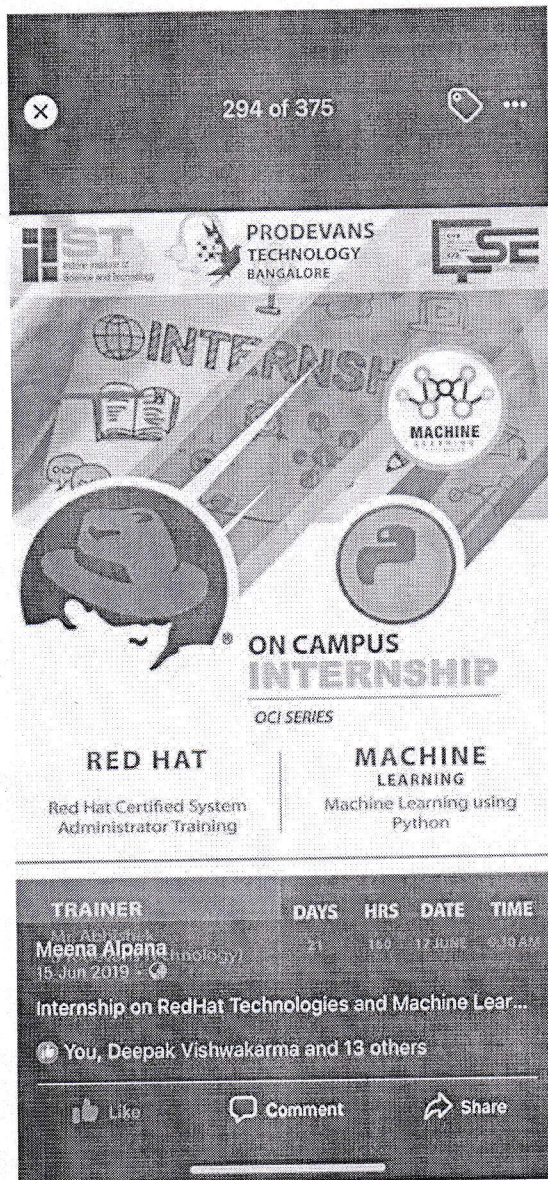- Configure and secure OpenSSH service

- Analyze and store logs
- Manage Red Hat Enterprise Linux networking
- Archive and copy files between systems
- Install and update software packages
- Access Linux file systems
- Use virtualized systems
- Comprehensive review

Students had intense internship for 160 Hours in total on these topics.

Indore Institute of Science and Technology

Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

Facebook information screenshot as proof:

Indore Institute of Science and Technology

Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal
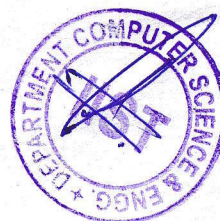
Department of Computer Science and Engineering

Event Name: Internship on Machine learning using Python & RHCSA

Academic Year: 2018-19

Academic Session: Jan- June '19

S.No	Enrollment No	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Sign
1.	0818CS161002	AAKANKSHA KULHAR	P		P	P	P	P	P	P	P	P	P	P			P	P	P	P	P	P	P	
2.	0818CS161037	ANIMESH SHARMA		P	P	P	P	P	P				P		P	P		P	P	P	P	P		
3.	0818CS161097	HUSAINA BABUKHANWALA	P		P	P		P	P	P	P	P			P	P	P				P	P	P	
4.	0818CS161141	PARINATI RAJPUT	P	P	P	P	P	P	P	P		P		P	P	P			P	P				
5.	0818CS161151	PRAMOD VERMA	P	P	P	P			P		P		P	P	P	P	P	P	P		P	P	P	
6.	0818CS161160	KU PRIYANKA PATIDAR	P	P	P		P	P	P	P		P		P	P	P		P	P	P	P		P	
7.	0818CS161184	SANDEEP	P	P	P	P	P	P	P	P			P		P		P	P	P	P	P	P	P	
8.	0818CS161199	SHIVANGI MANDHANYA	P	P	P	P	P	P	P	P	P		P	P	P	P		P	P	P		P		
9.	0818CS161201	SHREYANSH JAISWAL	P	P	P	P	P		P	P	P	P			P	P	P			P		P	P	
10.	0818CS161206	SHUBHAM HATEJ		P		P	P	P	P	P		P	P	P		P	P	P		P	P		P	
11.	0818CS161235	YASH RAJ SINGH TOMAR	P		P	P	P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	

N SIBA KUMAR REDDY

Technical Consultant

PROFILE

A self-motivated, experienced and resourceful professional with over 2+ years of experience as Linux Administrator, Technical Support, DevOps Engineer and Implementing Infrastructure Automation across various platforms, Deployment of Private Cloud, web application automation using DevOps tools, setting up the Infrastructure on AWS cloud and support

EDUCATION

Bachelor of Science in Information Technology , Khemundi College 2016 (Berhampur University)

TRAINING

- Knowledge in Ansible
- Knowledge in Linux Installation
- OpenShift Administration.

TECHNICAL SKILLS

- **OS Knowledge:** Win7, WIN10,Linux
- **Automation Tool:** Ansible
- **Core Skills:** Infrastructure Automation and Management
- **Cloud Used:** Openshift
- **Scripting:** Shell Scripting, YAML
- **DevOps Tools:** Ansible Tower
- **Virtualization Technology:** RHVM
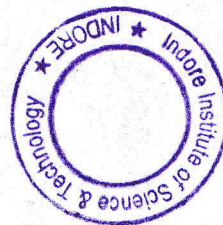- **Containerization Tool:** Docker

WORK EXPERIENCE

Technical Consultant | Bangalore
Prodevans Technologies LLP | Jan, 2019 - Present

Openshift Administrator
- Deploy and configure an Openshift Enterprise 3.9/3.11 multi-node cluster environment.
- Upgrade Openshift Cluster both minor and major upgrades.
- Creating Master, Infrastructure and Workers Nodes.

- Setting up Quotas and Limits Ranges .
- Attaching and detaching PV and PVC
- Build and deploy containerised images and install , configure and manage an openshift environment .
- Well versed with monitoring and alerting tools on OpenShift platform like Prometheus, Grafana
- Scaling of PODS.
- Setup best practices for Openshift .

Technical Consultant| Bangalore
Complete Open Source Solutions (COSS) |May 2017 – Dec 2018

E-Clinic
- Linux Administrator
- Maintain and develop all Linux infrastructure
- Manage, coordinate, and implement software upgrades, patches, hot fixes on servers, workstations, and network hardware .
- Collaborate with other teams and team members to develop automation strategies and deployment processes .
- Familiarity with load balancing .

TECHNOLOGIES/DOMAIN EXPERIENCE

- Linux Administration
- DevOps CICD
- Private and Public Cloud
- Experience in Business Support Solutions

LANGUAGE SKILLS

- English
- Hindi
- Odia

Prodevans Technologies LLP
Email – siba.kumar@cossindia.net
Mobile: +91-8249397291