1.2.2 Number of Add on /Certificate programs offered during the last five years

SUMMARY REPORT INDEX

Sinhgad Technical Education Society's
SINHGAD INSTITUTE OF TECHNOLOGY
(Affiliated to University of Pune and Approved by, AICTE, New Delhi)
Gat No. 309/310 ,Kusgaon (Bk), off Mumbai –Pune, Expressway
Lonavala, Pune, 410401, Website : www.sinhgad.edu
Department of Computer Engineering

Report

Value Addition Program

Sem I Academic Year 2018-19

Summary

Sr. No.	Topic name	Duration	No.of students
1	C Programming	07th July 2018 to 15th October 2018 (40 Hrs)	32
2	Core Java	07th July 2018 to 15th October 2018 (40 Hrs)	08
3	C++ Programming	07th July 2018 to 15th October 2018 (40 Hrs)	19
Total registered participants			59

Prof. S.G. Shaikh
Prof. P.V.Raut
VAP In-charge

Dr. S.D. Babar
HOD CE

Dept. Tel.: +91- 2114-673490/491 , Office: +91-2114-673355, 304356, Telefax:+91-2114-278304
email:hodce.sit@sinhgad.edu

Value Addition Program
Sem I 2018-19

Date/Duration: **07th July 2018 to 15th October 2018** (40 Hours each)

Venue: CRT Lab, Computer Department, SIT, Lonavala

Time: After College Hours (2-3 Hours)

Staff Co-ordinators: Salim Shaikh (COMP Departmental VAP Coordinator)

Sharad Bhad(ENTC Departmental VAP Coordinator)

Event Conducted under: Department of Computer Engineering, SIT, Lonavala.

Activity Type: Value addition program

Target Group: All Students of Computer, E&TC, IT and Electrical Engg. Department

Purpose: ToImproveProgramming skills,

For the Placement in software industries

Total strength: 59 students (SE+TE)

Conducted by: Global Infotech, Lonavala

Resource person: Prof. Yogesh Khandelwal

Brief Summary about Activity:

Students enrolled for C, C++ and Core Java Programming and undergone VAP. Attended sessions as per schedule and attempted test and assignments given by expert.They took active part in the course and updated their knowledge with the intention of better opportunities in placement process. At the end their performance is evaluated on the predefined criteria and awarded with certification. All students are also awarded with University of Pune certificate under the tie up of Global Infotech Lonavala and UOP.

C Programming:

C is the most popular programming language, C has many advantages:

- Powerful programming language: C is very efficient and powerful programming language, it is best used for data structures and designing system software.

C++ Programming:

- C++is a general-purpose programming language. It has imperative, object-orientedand generic programming features, while also providing facilities for low-level memory manipulation.
- C++ has also been found useful in many other contexts, with key strengths being software infrastructure and resource-constrained applications, including desktop applications, servers (e.g. e-commerce,web search or SQL servers), and performance-critical applications (e.g. telephone switches or space probes).

Core Java:

- Java has evolved into more than just a language. It is a full platform with lots of standard APIs, open source APIs, tools, a big developer community with millions of developers etc. It may be a bit unclear what all this means, but you will get a better feeling for it when you start learning more about Java, and start working with it.

Outcome:

- Students understood the concepts of C, C++, Core Java Programming thoroughly and capable of doing programming on their own.
- TE students found it necessary to upgrade with software proficiency as per placement's current scenario. Students appreciated the efforts put by the trainer.
- All the participants are awarded with certification.
- Global Infotech is having tie up with University of Pune. The resource person conducted presentations of the students, evaluated, conducted test of all the participants.

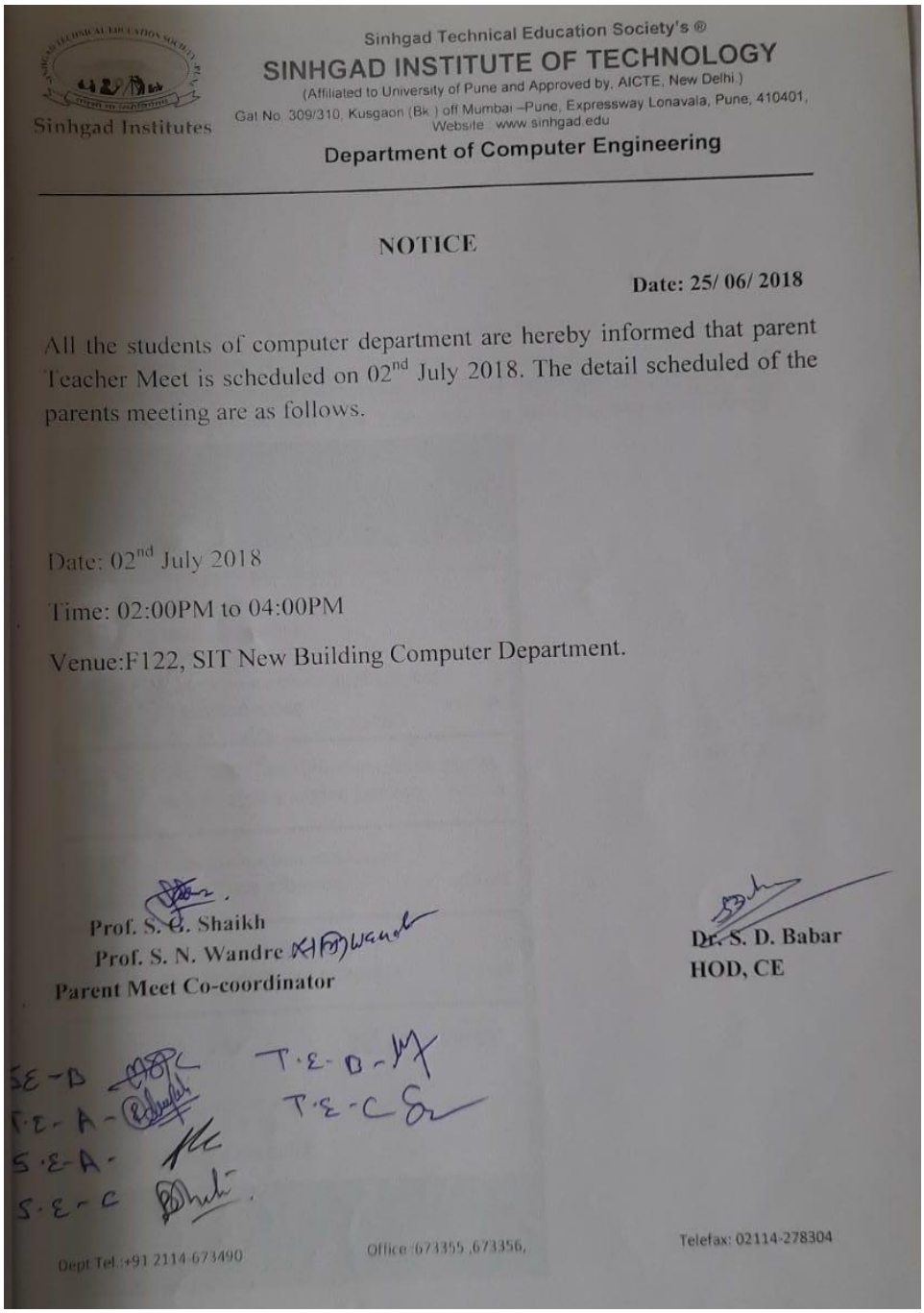
- Students enrolled for core JAVA and C++ completed projects under different topics based on their interest and exhibited their work on 17/10/2018 at CRT lab in Computer department.
- Dr. S. D. Babar (HOD Computer Dept.) and Dr. V.V. Devotare (HOD E&TC Dept,) inaugurated the exhibition and interacted with the students and guided them.

Photo Gallery: **Value Addition Program Sem I 2018-19**

a) VAP Project Exhibition inauguration and Certificate Distribution function. Dr. S.D. Babar head of computer department inaugurated VAP Project Exhibition and address to students.

b) Value Addition Program C and C++ Course Presentations of Students.

Academic Year 2018-19



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Website www.sinhgad.edu
Sinhgad Institutes
Department of Computer Engineering

NOTICE

Date: 25/ 06/ 2018

All the students of computer department are hereby informed that parent Teacher Meet is scheduled on 02nd July 2018. The detail scheduled of the parents meeting are as follows.

Date: 02nd July 2018

Time: 02:00PM to 04:00PM

Venue:F122, SIT New Building Computer Department.

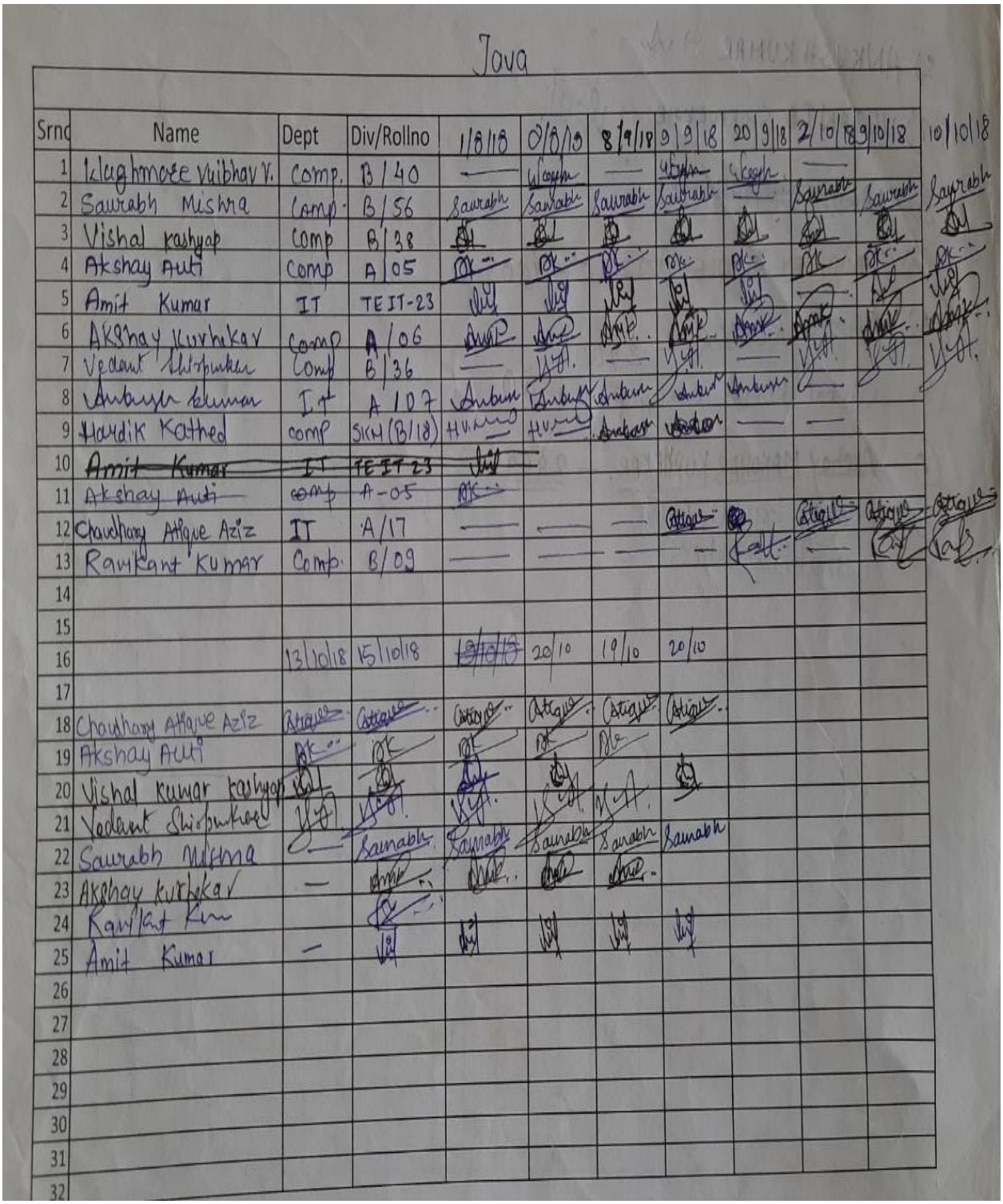
Prof. S. G. Shaikh
Prof. S. N. Wandre
Parent Meet Co-coordinator

Dr. S. D. Babar
HOD, CE

SE-B
T.E-A-
S.E-A-
S.E-C

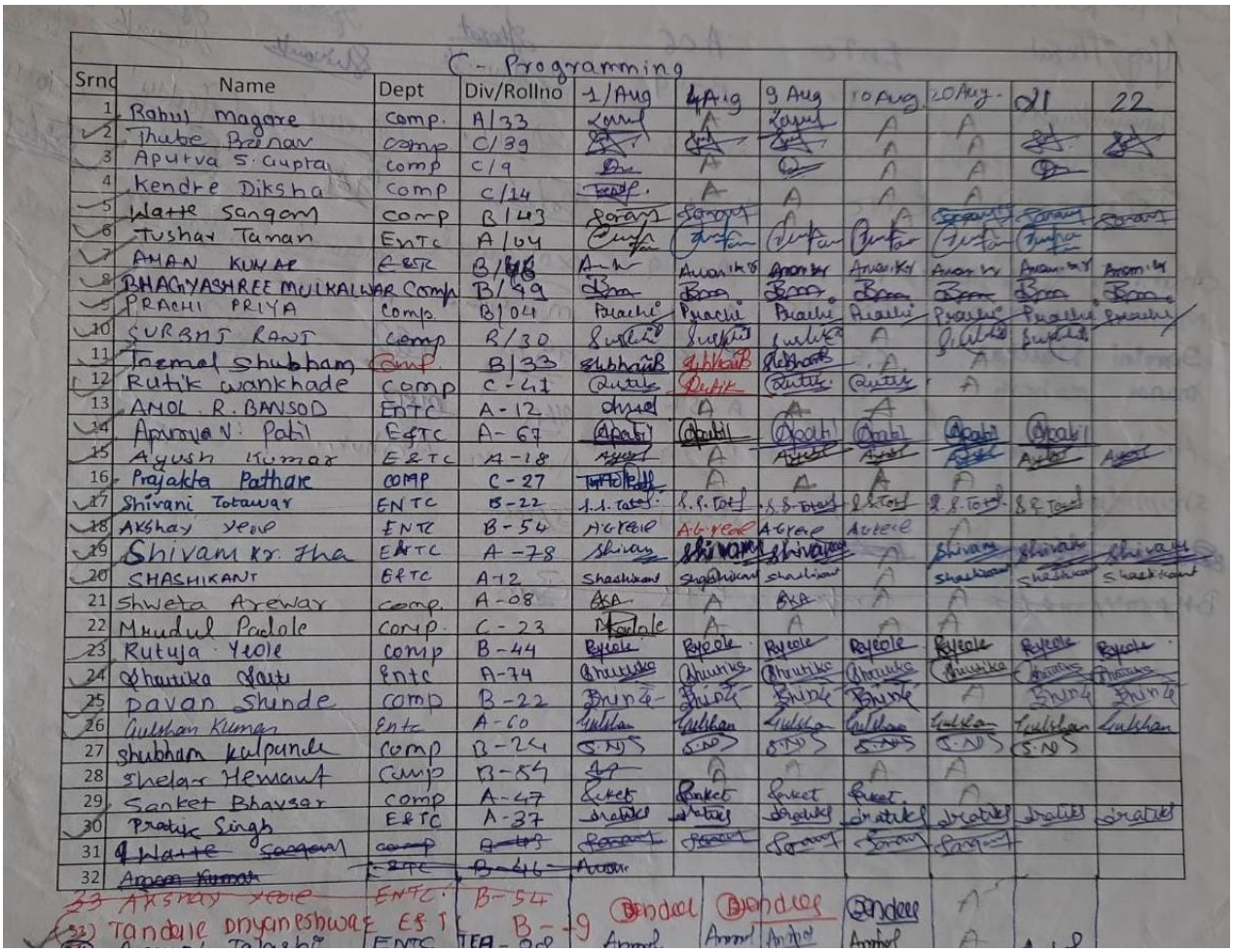
T.E-B-
T.E-C

Dept Tel.:+91 2114-673490 Office :673355 ,673356, Telefax: 02114-278304



Java

Srno	Name	Dept	Div/Rollno	1/8/18	6/8/18	8/9/18	9/9/18	20/9/18	2/10/18	9/10/18	10/10/18
1	Kughmoree Vaibhav V.	Comp.	B/40	—	Vaibhav	—	Vaibhav	Vaibhav	—		
2	Saurabh Mishra	Comp	B/56	Saurabh	Saurabh	Saurabh	Saurabh	—	Saurabh	Saurabh	Saurabh
3	Vishal Kashyap	Comp	B/38								
4	Akshay Auti	Comp	A/05								
5	Amit Kumar	IT	TEIT-23								
6	Akshay Kurhekar	Comp	A/06								
7	Vedant Shirpurkar	Comp	B/36	—		—	—	—	—		
8	Anbarasu Kumar	IT	A/07	Anbarasu	Anbarasu	Anbarasu	Anbarasu	Anbarasu	—		
9	Haridik Kathed	comp	SICH(B/18)	H.V.	H.V.	Anbarasu		—	—		
10	~~Amit Kumar~~	~~IT~~	~~TEIT-23~~								
11	~~Akshay Auti~~	~~comp~~	~~A-05~~								
12	Chaudhary Atique Aziz	IT	A/17	—	—	—	Atique		Atique	Atique	Atique
13	Ravikant Kumar	Comp.	B/09	—	—	—	—		—		
14											
15											
16		13/10/18	15/10/18	~~18/10/18~~	20/10	19/10	20/10				
17											
18	Chaudhary Atique Aziz	Atique	Atique	Atique	Atique	Atique	Atique				
19	Akshay Auti										
20	Vishal Kumar Kashyap										
21	Vedant Shirpurkar										
22	Saurabh Mishra		Saurabh	Saurabh	Saurabh	Saurabh	Saurabh				
23	Akshay Kurhekar	—									
24	Ravikant Kumar										
25	Amit Kumar	—									
26											
27											
28											
29											
30											
31											
32											



C - Programming

Srno	Name	Dept	Div/Rollno	1/Aug	4/Aug	9 Aug	10 Aug	20 Aug	21	22
1	Rahul Magare	comp.	A/33							
2	Thube Pranav	comp	C/39							
3	Apurva S. Gupta	comp	C/9							
4	Kendre Diksha	comp	C/14							
5	Watte Sangam	comp	B/43							
6	Tushar Taman	EnTc	A/64							
7	AMAN KUMAR	E&TC	B/46							
8	BHAGYASHREE MULKALWAR	Comp	B/49							
9	PRACHI PRIYA	Comp.	B/04							
10	SURBHI KANT	comp	B/30							
11	Tasmal Shubham	Comp	B/33							
12	Rutik Wankhade	comp	C-41							
13	ANOL R. BANSOD	ENTC	A-12							
14	Apurva V. Patil	E&TC	A-67							
15	Ayush Kumar	E&TC	A-18							
16	Prajakta Pathare	COMP	C-27							
17	Shivani Totawar	ENTC	B-22							
18	Akshay Yeole	ENTC	B-54							
19	Shivam Kr. Jha	E&TC	A-78							
20	SHASHIKANT	E&TC	A-12							
21	Shweta Arewar	comp.	A-08							
22	Mrudul Padole	comp.	C-23							
23	Rutuja Yeole	comp	B-44							
24	Khanika Barti	Entc	A-74							
25	Pavan Shinde	comp	B-22							
26	Gulshan Kumar	Entc	A-60							
27	Shubham Kulpande	comp	B-24							
28	Shelar Hemant	comp	B-54							
29	Sanket Bhavsar	comp	A-47							
30	Pratik Singh	E&TC	A-37							
31	Watte Sangam	comp	B-43							
32	Aman Kumar	E&TC	B-46							
33	Akshay Yeole	ENTC	B-54							
32	Tandale Dnyaneshwar	E&T	B-9							

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CIT Education Online Exam
Website : www.citeducation.in
सरकार पंजीकृत

Certificate

A.T.C.: Global Infotech

This Is To Certify That

Mr./Ms. Milani Karina

Has Successfully Completed Our Course

Java

Having Passed The Examination With A+ Grade

Conducted From 15/07/2017 To 29/09/2017

Signature
Head Of The Institute

C.I.T EDUCATION Knowledge with Ease THANE

President
C.I.T. Education

(A Computer Education Division of SWANIL SCOLASTICA PRIVATE LIMITED Registered No.U74999MH2017PTC302463)

Summary Report

Name of the Program:- Machine Learning with Python & R

List of students enrolled:- 66

Duration of the Course:- 80 Hrs (3 september 2018 to 5 September 2018)

Curriculum:

- Basics
- Python Ecosystem
- Methods for Machine Learning
- Data Loading for ML Projects
- Understanding Data with Statistics
- Understanding Data with Visualization
- Preparing Data
- Data Feature Selection

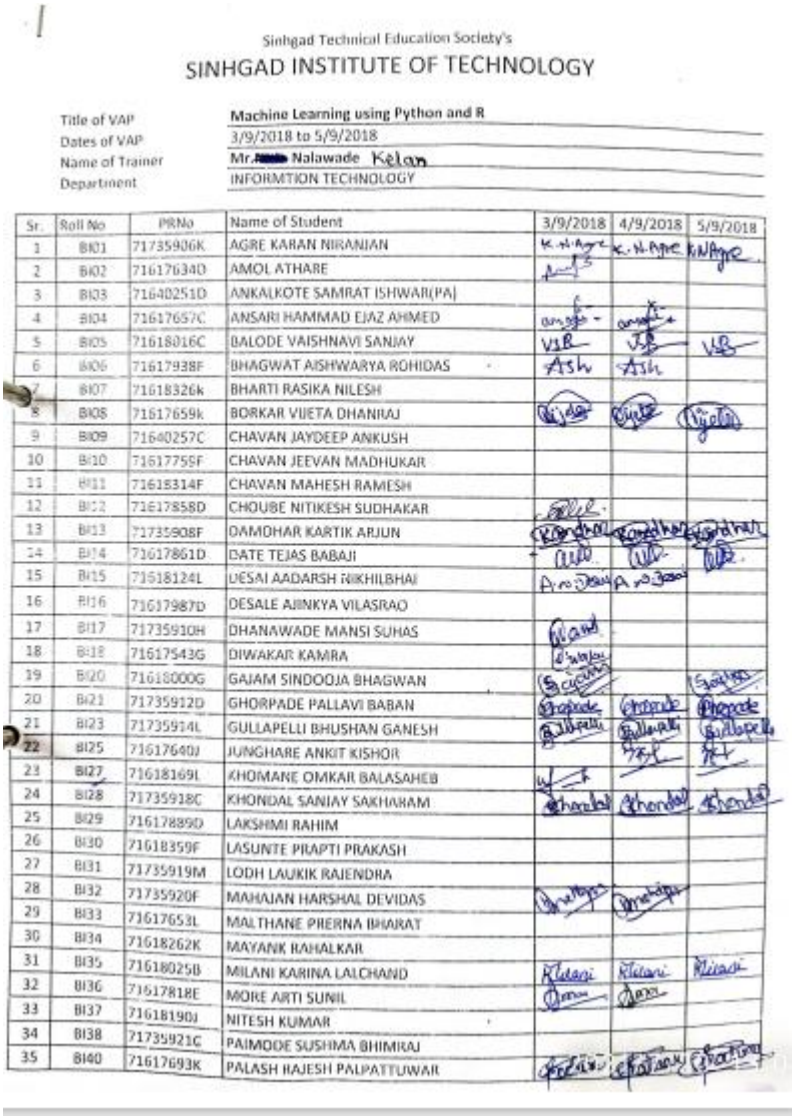
Assessment Procedure:-

1. Students who are enrolled for Machine Learning course are undergone for exam.
2. Exam was taken by Optimized Infotech.
3. Out of 100 marks the exam was taken.
4. Different tasks have been given to stuents.

Outcomes:

- After completion of this course students are able to understand about core concepts of machine learning.
- How to use python language in machine learning .
- Students are able to implement machine learning concepts into the real time projects.

Attendance of Students:-

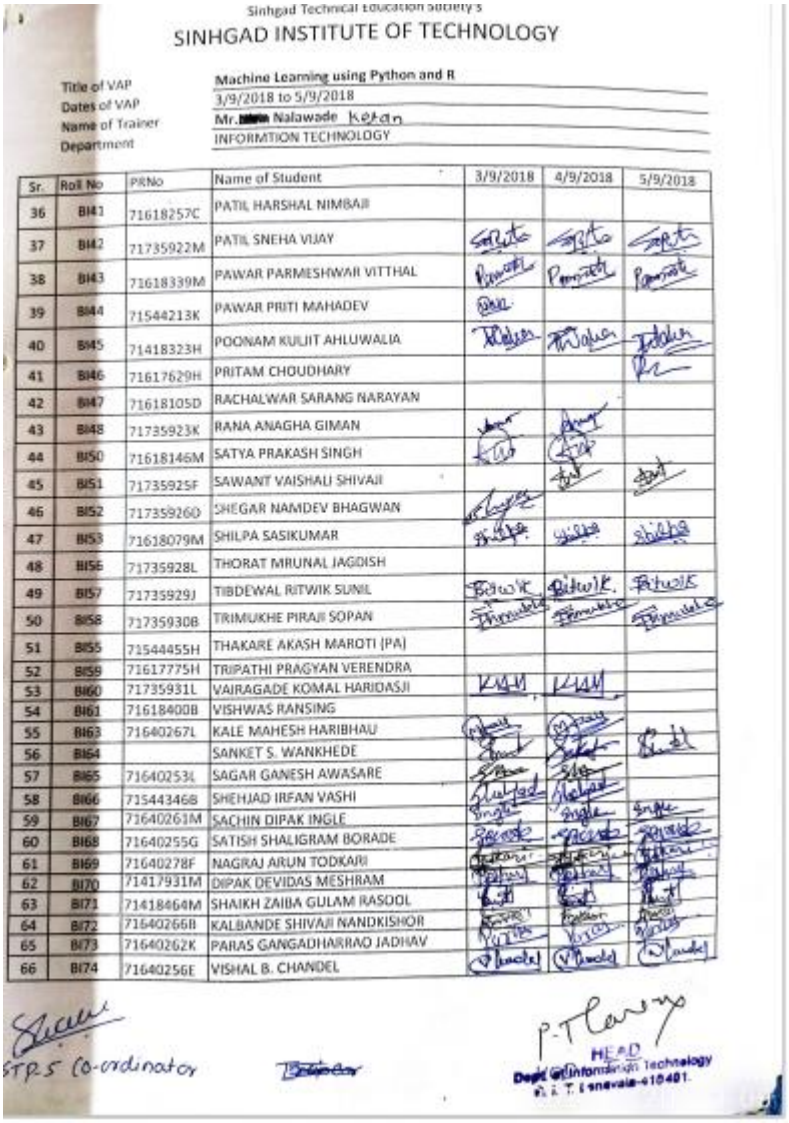


Sinhgad Technical Education Society's

SINHGAD INSTITUTE OF TECHNOLOGY

Title of VAP: Machine Learning using Python and R
Dates of VAP: 3/9/2018 to 5/9/2018
Name of Trainer: Mr. [redacted] Nalawade Kelan
Department: INFORMTION TECHNOLOGY

Sr.	Roll No	PRNo	Name of Student	3/9/2018	4/9/2018	5/9/2018
1	BI01	71735906K	AGRE KARAN NIRANJAN			
2	BI02	71617634D	AMOL ATHARE			
3	BI03	71640251D	ANKALKOTE SAMRAT ISHWAR(PA)			
4	BI04	71617657C	ANSARI HAMMAD EJAZ AHMED			
5	BI05	71618016C	BALODE VAISHNAVI SANJAY			
6	BI06	71617938F	BHAGWAT AISHWARYA ROHIDAS			
7	BI07	71618326k	BHARTI RASIKA NILESH			
8	BI08	71617659k	BORKAR VIJETA DHANRAJ			
9	BI09	71640257C	CHAVAN JAYDEEP ANKUSH			
10	BI10	71617759F	CHAVAN JEEVAN MADHUKAR			
11	BI11	71618314F	CHAVAN MAHESH RAMESH			
12	BI12	71617858D	CHOUBE NITIKESH SUDHAKAR			
13	BI13	71735908F	DAMDHAR KARTIK ARJUN			
14	BI14	71617861D	DATE TEJAS BABAJI			
15	BI15	71618124L	DESAI AADARSH NIKHILBHAI			
16	BI16	71617987D	DESALE AJINKYA VILASRAO			
17	BI17	71735910H	DHANAWADE MANSI SUHAS			
18	BI18	71617543G	DIWAKAR KAMRA			
19	BI20	71618000G	GAJAM SINDOOJA BHAGWAN			
20	BI21	71735912D	GHORPADE PALLAVI BABAN			
21	BI23	71735914L	GULLAPELLI BHUSHAN GANESH			
22	BI25	71617640J	JUNGHARE ANKIT KISHOR			
23	BI27	71618169L	KHOMANE OMKAR BALASAHEB			
24	BI28	71735918C	KHONDAL SANJAY SAKHARAM			
25	BI29	71617889D	LAKSHMI RAHIM			
26	BI30	71618359F	LASUNTE PRAPTI PRAKASH			
27	BI31	71735919M	LODH LAUKIK RAJENDRA			
28	BI32	71735920F	MAHAJAN HARSHAL DEVIDAS			
29	BI33	71617653L	MALTHANE PRERNA BHARAT			
30	BI34	71618262K	MAYANK RAHALKAR			
31	BI35	71618025B	MILANI KARINA LALCHAND			
32	BI36	71617818E	MORE ARTI SUNIL			
33	BI37	71618190J	NITESH KUMAR			
34	BI38	71735921C	PAIMODE SUSHMA BHIMRAJ			
35	BI40	71617693K	PALASH RAJESH PALPATTUWAR			



Sinhgad Technical Education Society's

SINHGAD INSTITUTE OF TECHNOLOGY

Title of VAP: Machine Learning using Python and R
Dates of VAP: 3/9/2018 to 5/9/2018
Name of Trainer: Mr. [redacted] Nalawade
Department: INFORMATION TECHNOLOGY

Sr.	Roll No	PRNo	Name of Student	3/9/2018	4/9/2018	5/9/2018
36	BI41	71618257C	PATIL HARSHAL NIMBAJI			
37	BI42	71735922M	PATIL SNEHA VIJAY			
38	BI43	71618339M	PAWAR PARMESHWAR VITTHAL			
39	BI44	71544213K	PAWAR PRITI MAHADEV			
40	BI45	71418323H	POONAM KULJIT AHLUWALIA			
41	BI46	71617629H	PRITAM CHOUDHARY			
42	BI47	71618105D	RACHALWAR SARANG NARAYAN			
43	BI48	71735923K	RANA ANAGHA GIMAN			
44	BI50	71618146M	SATYA PRAKASH SINGH			
45	BI51	71735925F	SAWANT VAISHALI SHIVAJI			
46	BI52	71735926D	SHEGAR NAMDEV BHAGWAN			
47	BI53	71618079M	SHILPA SASIKUMAR			
48	BI56	71735928L	THORAT MRUNAL JAGDISH			
49	BI57	71735929J	TIBDEWAL RITWIK SUNIL			
50	BI58	71735930B	TRIMUKHE PIRAJI SOPAN			
51	BI55	71544455H	THAKARE AKASH MAROTI (PA)			
52	BI59	71617775H	TRIPATHI PRAGYAN VERENDRA			
53	BI60	71735931L	VAIRAGADE KOMAL HARIDASJI			
54	BI61	71618400B	VISHWAS RANSING			
55	BI63	71640267L	KALE MAHESH HARIBHAU			
56	BI64		SANKET S. WANKHEDE			
57	BI65	71640253L	SAGAR GANESH AWASARE			
58	BI66	715443468	SHEHJAD IRFAN VASHI			
59	BI67	71640261M	SACHIN DIPAK INGLE			
60	BI68	71640255G	SATISH SHALIGRAM BORADE			
61	BI69	71640278F	NAGRAJ ARUN TODKARI			
62	BI70	71417931M	DIPAK DEVIDAS MESHRAM			
63	BI71	71418464M	SHAIKH ZAIBA GULAM RASOOL			
64	BI72	71640266B	KALBANDE SHIVAJI NANDKISHOR			
65	BI73	71640262K	PARAS GANGADHARRAO JADHAV			
66	BI74	71640256E	VISHAL B. CHANDEL			

STPS Co-ordinator

HEAD
Dept. of Information Technology
S.I.T. Lonavala-410401

Certificate:-

Sinhgad Institutes

Sinhgad Institute of Technology, Lonavala

Presents

CERTIFICATE

Of Completion

Proudly presented to :

AGRE KARAN NIRANJAN

For Completion of course in **Machine Learning with Python and R** organized by Department of Information Technology held on 03 September to 5 Sepetember 2018

Prof. S. B. Ware
Faculty Coordinator

Dr. D. D. Chaudhary
Vice Principal

Dr. M. S. Gaikawad
Principal

Summary Report

Name of the Program:- German Language
List of students enrolled:- 19
Duration of the Course:- 45 Hrs(5 July 2019 to 30 September2019)
Curriculum:

1. Speaking and Thinking
2. Self – discovery
3. Communication
4. Language Competence
5. Language and Culture
6. Language Changes
7. Connection with other areas of study
8. The Mother—language

Assessment Procedure:-

1. Students who are enrolled for german language course are undergone for exam.
2. Exam was taken for 4 sections reading, writing, listening and speaking.
3. Each section has 25 marks. Out of 100 marks the exam was taken.
4. There are 6 levels of exam. L1 to L6.
5. Student have to secure 60 marks to pass in this exam.

Outcomes:

- Students can demonstrate linguistic proficiency in listening, speaking, reading and writing equivalent to ACTFL Advanced Mid; communicate effectively on a wide variety of present, past, and future events; exchange general information on topics outside their fields of interest; and handle a complication or unexpected turn of events
- Students evaluate major literary, intellectual or historical trends of the cultures of concentration.
- Students are able to identify an interdisciplinary or disciplinary understanding of cultural diversity
- Students can apply appropriate research methods to a senior thesis or a capstone project in the language of specialization.

Attendance of Students:-

Sr. No	Name of the Student	Year
1	Neel kadam	2018-2019
2	Dhruvish Sodagar	2018-2019
3	Subodh Kulkarni	2018-2019
4	Jayesh Bhargava	2018-2019
5	Vipul Solanke	2018-2019
6	Ankit Pathak	2018-2019

7	Manu Nair	2018-2019
8	Sanket bade	2018-2019
9	Ashwin joshi	2018-2019
10	Jayant biradar	2018-2019
11	Yogesh Jadhav	2018-2019
12	Nakul Atkar	2018-2019
13	Varun Kapole	2018-2019
14	Mahesh Bhambre	2018-2019
15	Arun Gupta	2018-2019
16	Sharvary sapate	2018-2019
17	Neha Kumari	2018-2019
18	Akhilesh Kulkarni	2018-2019
19	Krishna Pawar	2018-2019

Certificate:-

Global Dialect
LANGUAGE SOLUTIONS

L1 L2 L3 L4 L5 L6

First name: Sauraw

Surname: Diwase — Language: German

Birth date: 22-10-2000 — Place of Birth: Chandrapur

Date of Exam: 20-06-2020 — Place of Exam: SIT LON.

RESULT

Reading:	17/25	Writing:	19/25
Listening:	15/25	Speaking:	15/25
Total marks:	66/100	Grade: A ☐ B ☐ C ◉ F ☐	

100315

Certificate number — Exam Official Signature — Examiner Name

Summary Report

Name of the Program:- HyperMesh

List of students enrolled:- 49

Duration of the Course:- 30 Hours (27 August 2018 to 29 August 2018)

Name of Faculty Coordinator:- Prof. C. R. Kamthane

Curriculum:

Hypermesh is one of **commercial off-the-shelf** software(A ready made software to perform particular task) for Finite Element Analysis. The entire process of FEA can be classified into three groups:

1. Preprocessing
2. Solving
3. Post processing

Pre processing - Making our geometry model ready for solving. In this phase we will clean up our geometry, We will discretize our model, We will apply boundary conditions and loads.Solving - In this Phase the computer will solve PDE equations for each and every element which we had in our geometry. Post Processing - In this Phase we will extract the results that we need and we will validate our result. Hypermesh is only a pre-processor tool in which you can discretize your model to run for the solvers. Hypermesh is from Altair Engineering and this company also provide few other softwares for solving and post processing

CONTENT-

Sr. No	Name of Module	Duration
1	**Getting started with Hyper mesh** Working with Fe-Models. Model viewing option using permanent menu. **Working with geometry** Basic operations \ failures Advanced features for working with	27 August 2018

	before meshing Note: Tips for considerations Edone before meshing	
2	**Introduction to Meshing** Introduction to 2D – (Shell) elements Basic meshing operations & commands Meshing of surface using shell elements Properties of elements Meshing concepts & techniques	28 August 2018
3	**Introduction to 3D – elements** Types of elements Features of 3D – elements Types of elements Features of 3D – meshing commands conditioning □ VRV- Air conditionin	29 August 2018
4	MCQ Exam	30 August 2018

Assessment Procedure:-

1. Exam was taken in two sections- assignment and mcq exam.
2. Exam was taken by online mode. Final score is the certification score.

3. Passed Students are awarded with Certificate.

Outcomes:

- Students are able to understand important features Hypermesh.
- Student are able understand basic commands of meshing.

Certificate:-

Sinhgad Technical Education Society's

Sinhgad Institute of Technology, Lonavala

Title of VAP: Hypermesh.
Dates of VAP: 27/08/18 to 29/08/18
Name of Trainer:
Department: Mech. Engg.

Sr.	Roll No	Name of Student	27/08/2018	28/08/2018	29/08/2018
1	E-15	Murge Prashant Nandkumar	Prashant	Prashant	Prashant
2	E-64.	RABIN MAHATO.	Rabin	Rabin	Rabin
3	A-69	Akshay Kumar	Akshay	Akshay	Akshay
4	A-18	Kunal. R. Gokhe			
5	B-02	Lahase Akash G.	Akash		
6	E-41	Pranav Dinesh	Pranav	Pranav	Pranav
7	E-42	Rahul Gupta			
8	F-78	Omkar Chavan			
9	A-45	Patil Anuj Uday	APatil	APatil	APatil
10	E-25	Lakhan. R. Bukkawar			
11	E-26	Anurag Chahare			
12	D 37	Deshmukh Darshan			
13	D-27	Akshay Gomes			
14	A-46	Saurav Patil	SPatil	SPatil	SPatil
15	E-24	Sagar Karale			
16	C-24	Pavan Akhare			
17	C-66	Dipak Ade			
18	C-25	Swapnil Medhe			
19	A-21	shinde Vidya R.			
20	A-29	Abhinaj Patel			
21	B-63	Saurabh Javalke			
22	B-75	Chetan Dhanaji Kharat			
23	A-35	Saurabh Shinde			
24	A-52	Mayank Nikam			

SINHGAD INSTITUTE OF TECHNOLOGY Mechanical Dept

25	E-55	Babani Mohanty			
26	I-72	Bhind Kumar Hiraman			
27	E-16	Manoj S. Jogdand			
28	C-65	Renuka S. Ambekaro			
29	C-46	Tavare Sangramsinh			
30	C-32	Manisha Wasade			
31	C-03	Medewar Madhuri			
32	C-02	nagar khushboo R.			
33	E-71	Masal Akshay P.			
34	B-71	Wable Pramod K.			
35	E-20	muley vallabh. V.			
36	D-71	Gaurav Gaikwad			
37	C-72	Vishal Vilas Patil			
38	D-70	Nivedita Gaikwad			
39	D-24	Tangade Pratik Devidas			
40	E-03	Kshitij V Bagade			
41	D-76	Sachin D. Londhe			
42	A-49	shinde darshan			
43	A-50	Vishal Singh			
44	A37	vaibhav Nagle			
45	D-79	Marathe Bhushan R.			
46	F-64	Monikesh Kishor Patil			
47	B-64	Kalekar Sanjay Arjun			
48	B-08	Deshmukh Sagar Sanjay			
49	E-30	Khose Amol Maruti			
50					
51					
52					
53					
54					

SINHGAD INSTITUTE OF TECHNOLOGY
Mechanical Dept

Summary Report

Name of the Program:- HVAC

List of students enrolled:-70

Duration of the Course:- 30 Hours (27 August 2018 to 29 August 2018)

Name of the Speaker:- Mr. K.N. Chandawarkar and Mr. Pramod Kambale

Name of Faculty Coordinator:- Prof. C. R. Kamthane

Curriculum:

HVAC stands for Heating, Ventilation and Air Conditioning. It is a process of treating the air to control its temperature, humidity, filtering and distributing it to meet the comfort requirements of the occupant or people in the conditioned space (room). This article explains the components of an air-conditioning system, tips on selecting the right HVAC and the various types as well.

y using HVAC, we can control the temperature, humidity, filtration, and airflow. HVAC can be used in houses and villas (Residential), offices (commercial), hospitals and pharmaceuticals, Malls and theaters, Industries, Educational institutes (Schools, Colleges, Classes) and various others places(Aircrafts, etc).

CONTENT-

Sr. No	Name of Module	Duration
1	• Scope of HVAC Industry with overview of Consulting & Construction industry • Concepts of Air conditioning systems • Principles of air conditioning	27 August 2018
2	• Refrigerant cycle • Chilling system • Cooling • Heating • Humidification Methods	28 August 2018
3	• Filtration • Air-conditioning systems	29 August 2018

	• Local cooling comfort System • Window Air conditioning • Split Air conditioning • VRV- Air conditionin	
4	MCQ Exam	30 August 2018

Assessment Procedure:-

1. Exam was taken in two sections- assignment and mcq exam.
2. Exam was taken by online mode. Final score is the certification score.
3. Passed Students are awarded with Certificate.

Outcomes:

- Students are able to understand important features HVAC.
- Student are able understand different types of conditioning.

Certificate:-

Sinhgad Technical Education Society's

Sinhgad Institute of Technology, Lonavala

Title of VAP: HVAC Heating ventilation & Air conditioning System.
Dates of VAP: 27/08/2018 to 29/08/2018.
Name of Trainer: Mr. K.N. Chandawarkar & Mr. Pramod Kamble.
Department: Mechanical Engineering

Sr.	Roll No	Name of Student	27/08/2018	28/08/2018	29/08/2018
1	BMB57	Janak Ramesh Tambile			
2	BMB54	Shrikant Mukundrao T.			
3	BMD23	Wadne Akshay			
4	BMD22	Thite Suraj S.			
5	BMC44	Yogeshwarnda Pande			
6	BMB-01	Kute Arinash P.			
7	BMA-61	Bongane Arinash			
8	BMA-60	Fate Laxman Nagnath			
9	BME-11	Kshirsagar. Akshay. G			
10	BMB-65	Poul Ganesh Dileep			
11	BMF-6	Shaikh Imran			
12	BMB-32	Pawar Sunil Ramy			
13	BMF-61	Inamdar Abdullah			
14	BMC-67	Hyder Sheikh			
15	BMB-13	Yogesh D. Thakare			
16	BME-13	Rohan S. Yewale			
17	BMB15	Hanjage Shubham D.	Shubh	Shubh	Shubh
18	BMB74	Ananta S. Kale			
19	BME-31	Satish P. Mishra			
20	BME-50	Vikas. A. Ambekar			
21	BME-51	Vinayak R. Pawar			
22	BMF-9	Aaditya P. Kanaje			
23	BMF-11	Sujeet D. [illegible]			
24	BMF-10	Prasad G. Kadam			

SINHGAD INSTITUTE OF TECHNOLOGY Mechanical Dept

25	BMB72	Hangarge Shivkumar K.			
26	BMF-24	Mahesh War. Dattatray Kale			
27	BMF-8	Kadam Aniruddha			
28	BMD-11	Rohit Pawar			
29	BMD-25	Prabhmesh Thrave			
30	BMB-23	K. Vijay Anand			
31	BMB-21	Patil Sourabh Mahavir			
32	BMB-22	Nishchaya Prabhakar Hegde			
33	BMC-07	Samparn Rajdan			
34	BMC-30	Shubham. D. wandhare			
35	BMC-29	Ankit A. Mishra			
36	BME-52	Patil vikas J.			
37	BMC-67	DHIRAJ NANA PATIL			
38	~~BME-51~~	Vinayak Rajendra Pawar			
39	BMF-53	Sahil V. Lidbe			
40	BMA-63	Ghadge Ruteish-D			
41	BMF-42	Dudas Anil Uttam			
42	BMC-43	Mahindra N. Bhagat			
43	BMC-42	Ravindra M. Bramhane			
44	BMF-07	Sachin pote			
45	BMA-58	Swapnil. P. Bhosale			
46	BMF34	Kamble Suraj			
47	BMD7	Jayesh Waskar			
48	BMB-52	Akshay Jadhav			
49	BMB-51	Gawali Suraj			
50	BME-28	Deshpande Chaitanya			
51	BME-14	Prasad N. Deshmukh			
52	BMA-62	Bhalke Niketan V.			
53	BME-72	Meet J Desai			
54		Vivek M. Vgan			

SINHGAD INSTITUTE OF TECHNOLOGY Mechanical Dept

55	BMA66	Kadam Akash. B	Akash.	Akash.	
56	BMD05	Devi Pranav D.	PD.dej	PD.dej	
57	BME70	Malpure Ajinkya.R.			
58	.	Gayakee Ajay R.			
59	BMF21	Shlok Gupta.			
60	BME54	Raut Sagar. Baban			
61	BMF	Odhan Sumit M.			
62	BME-35	Lagad Avinash Manik	—		
63	BMA59	Pramay Sudhakar Yesekar			
64	BMF05	Kamble Shubham Bhimrao			
65	BMC-71	Manish kumar singh			
66	BMD-04	Kolhe sagar mahadev			
67	BMP-03	Khomane Ranjeet Navnath			
68	BME12	Koli Gajanan B			
69	BMC-06	chandrakant Sahare			
70	BMC-26	Mate Shubham Dinkar			

SINHGAD INSTITUTE OF TECHNOLOGY Mechanical Dept

STP 5 Coordinator

Prof. C. R. Kamthane

HOD

Prof. S. M. Gaikwad

Summary Report

Name of the Program:- Fundamentals of Electrical Engineering

Course Code-108105112

List of students enrolled:-7

Duration of the Course:- 90 Hours (12 Weeks)

Name of the Speaker:- PROF. DEBAPRIYA DAS

Name of Faculty Coordinator:- Dr. M. S. Chaudhari

Curriculum:

This course is mainly for undergraduate First-Year Engineering students from all Specializations. This course will introduce and explain the fundamental conceptsof basic electrical engineering. The basic concepts of DC and AC (Single Phase and Three Phase Circuits) network analysis, rst order DC transients, steady state and phasor analysis of AC networks, series and parallel resonance and magnetic coupled circuits. This course will also cover Single Phase Transformers, Three Phase Induction Machines and DC Machines.By the end of the course, the students should be able to gather high-quality knowledge of basic Electrical Engineering

.

CONTENT-

Sr. No	Name of Module	Duration
1	Basic Concepts and Basic Laws	Week 1
2	Methods of Analysis	Week 2
3	DC Network Theorems	Week 3
4	Capacitors and Inductors and First Order Circuits	Week 4
5	Sinusoidal and Phasors	Week 5
6	Sinusoidal Steady-State Analysis	Week 6

7	AC Circuit Analysis and Network Theorems	Week 7
8	Series and Parallel Resonance and Magnetically Coupled Circuits.	Week 8
9	Three Phase Circuits and Power Measurements	Week 9
10	Single Phase Transformers	Week 10
11	Three Phase Induction Machines	Week 11
12	DC Machines	Week 12

Assessment Procedure:-

1. Exam was taken in two sections- assignment and mcq exam.
2. Exam was taken by online mode. Final score is the certification score.
3. Passed Students are awarded with Certificate.

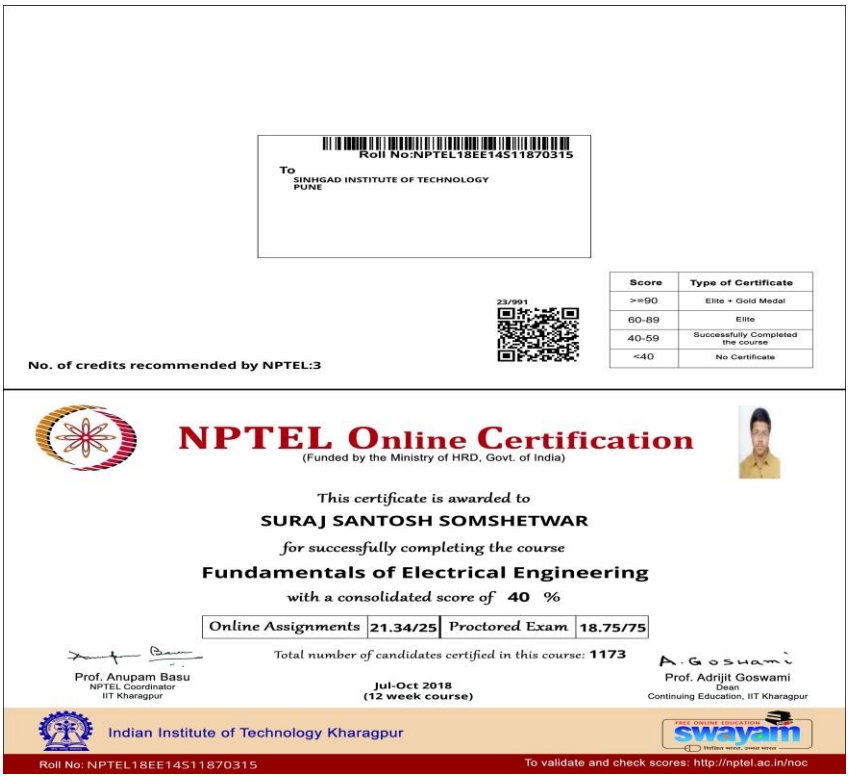
Outcomes:

- Students are able to understand conceptsof fundamentals of electrical engineering.
- Students are able to understand methods of analysis.
- Students are able to apply electrical engineering concepts to solve real world problems.

Attendance of Students:-

Sr. No	Name of the Student	Department
1	Suraj Santosh Somshetwar	Electrical Engineering
2	Kartik Manthanwar	Electrical Engineering
3	Nayan Sanjay Kalaskar	Electrical Engineering
4	Param Dudhe	Electronics and Communication Engineering
5	Ritesh Bodhe	Electrical Engineering
6	rutuja bhise	Electrical Engineering
7	Vaishnavi Gulhane	Electrical Engineering

Certificate:-


Roll No:NPTEL18EE14S11870315

To
SINHGAD INSTITUTE OF TECHNOLOGY
PUNE

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

23/991

No. of credits recommended by NPTEL:3

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SURAJ SANTOSH SOMSHETWAR
for successfully completing the course
Fundamentals of Electrical Engineering
with a consolidated score of 40 %

Online Assignments	21.34/25	Proctored Exam	18.75/75

Total number of candidates certified in this course: 1173

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Jul-Oct 2018
(12 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No: NPTEL18EE14S11870315

To validate and check scores: http://nptel.ac.in/noc

Summary Report

Name of the Program:- Introduction to Machine Learning

Course Code- 106105152

List of students enrolled:- 4

Duration of the Course:- 60 Hours (8 Weeks)

Name of the Speaker:- Prof. Balaraman Ravindran

Name of Faculty Coordinator:- Dr. M. S. Chaudhari

Curriculum:

With the increased availability of data from varied sources there has been increasing attention paid to the various data driven disciplines such as analytics and machine learning. In this course we intend to introduce some of the basic concepts of machine learning from a mathematically well motivated perspective. We will cover the different learning paradigms and some of the more popular algorithms and architectures used in each of these paradigms.

.

CONTENT-

Sr. No	Name of Module	Duration
1	Probability Theory, Linear Algebra, Convex Optimization - (Recap)	Week 1
2	Introduction: Statistical Decision Theory - Regression, Classification, Bias Variance	Week 2
3	Linear Regression, Multivariate Regression, Subset	Week 3

	Selection, Shrinkage Methods, Principal Component	
4	Linear Classification, Logistic Regression, Linear Discriminant Analysis	Week 4
5	Neural Networks - Introduction, Early Models, Perceptron Learning, Backpropagation, Initialization,	Week 5
6	Decision Trees, Regression Trees, Stopping Criterion & Pruning loss functions, Categorical Attributes, Multiway	Week 6
7	Bootstrapping & Cross Validation, Class Evaluation Measures, ROC curve, MDL, Ensemble Methods - Bagging,	Week 7
8	Gradient Boosting, Random Forests, Multi-class Classification, Naive Bayes, Bayesian Networks	Week 8

Assessment Procedure:-

1. Exam was taken in two sections- assignment and mcq exam.
2. Exam was taken by online mode. Final score is the certification score.
3. Passed Students are awarded with Certificate.

Outcomes:

- Students are able to understand concepts like probability, regression.
- Students are able to understand different types classification algorithms.
- Students are able to apply machine leaning concepts to solve real world problems.

Attendance of Students:-

Sr. No	Name of the Student	Department
1	Gaurav Pandita	Computer Science and Engineering
2	Akshat Tiwari	Computer Science and Engineering
3	Somavanshi Pruthveeraj	Computer Science and Engineering
4	Satish Pohale	Computer Science and Engineering

Certificate:-

Roll No:NPTEL18CS40S21860208

To
SINHGAD INSTITUTE OF TECHNOLOGY
PUNE

27/991

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

Elite

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

GAURAV PANDITA

for successfully completing the course

Introduction to Machine Learning

with a consolidated score of 70 %

Online Assignments	16.17/25	Proctored Exam	53.5/75

Total number of candidates certified in this course: 3147

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Aug-Oct 2018
(8 week course)

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL18CS40S21860208

To validate and check scores: http://nptel.ac.in/noc

Summary Report

Name of the Program:- Machine Learning for Engineering and Science Applications

Course Code- 106106198

List of students enrolled:-7

Duration of the Course:- 60 Hours (8 Weeks)

Name of the Speaker:- Prof. Balaji Srinivasan and Prof. Ganapathy

Name of Faculty Coordinator:- Dr. M. S. Chaudhari

Curriculum:

Recent applications of machine learning have exploded due to cheaply available computational resources as well as wide availability of data. Machine Learning (ML) techniques provides a set of tools that can automatically detect patterns in data which can then be utilized for predictions and for developing models. Developments in ML algorithms and computational capabilities have now made it possible to scale engineering analysis, decision making and design rapidly. This, however, requires an engineer to understand the limits and applicability of the appropriate ML algorithms. This course aims to provide a broad overview of modern algorithms in ML, so that engineers may apply these judiciously. Towards this end, the course will focus on broad heuristics governing basic ML algorithms in the context of specific engineering applications. Matlab will be used in this course but students will also be trained to implement these methods utilizing open source packages such as TensorFlow.

CONTENT-

Sr. No	Name of Module	Duration
1	Mathematical Basics 1 – Introduction to Machine Learning, Linear Algebra	Week 1
2	Mathematical Basics 2 - Probability	Week 2
3	Computational Basics – Numerical	Week 3

	computation and optimization, Introduction to Machine learning packages	
4	Linear and Logistic Regression – Bias/Neural Networks – Multilayer Perceptron, Backpropagation, ApplicationsTradeoff, Regularization, Variants of Gradient Descent, MLE, MAP, Applications	Week 4
5	Convolutional Neural Networks 1 – CNN Operations, CNN architectures	Week 5
6	Recurrent Neural Networks RNN, LSTM, GRU, Applications	Week 6
7	Classical Techniques 1 – Bayesian Regression, Binary Trees, Random Forests, SVM, Naïve Bayes, Applications	Week 7
8	Classical Techniques 2 – k-Means, kNN, GMM, Expectation	Week 8

	Maximization, Applications	

Assessment Procedure:-

1. Exam was taken in two sections- assignment and mcq exam.
2. Exam was taken by online mode. Final score is the certification score.
3. Passed Students are awarded with Certificate.

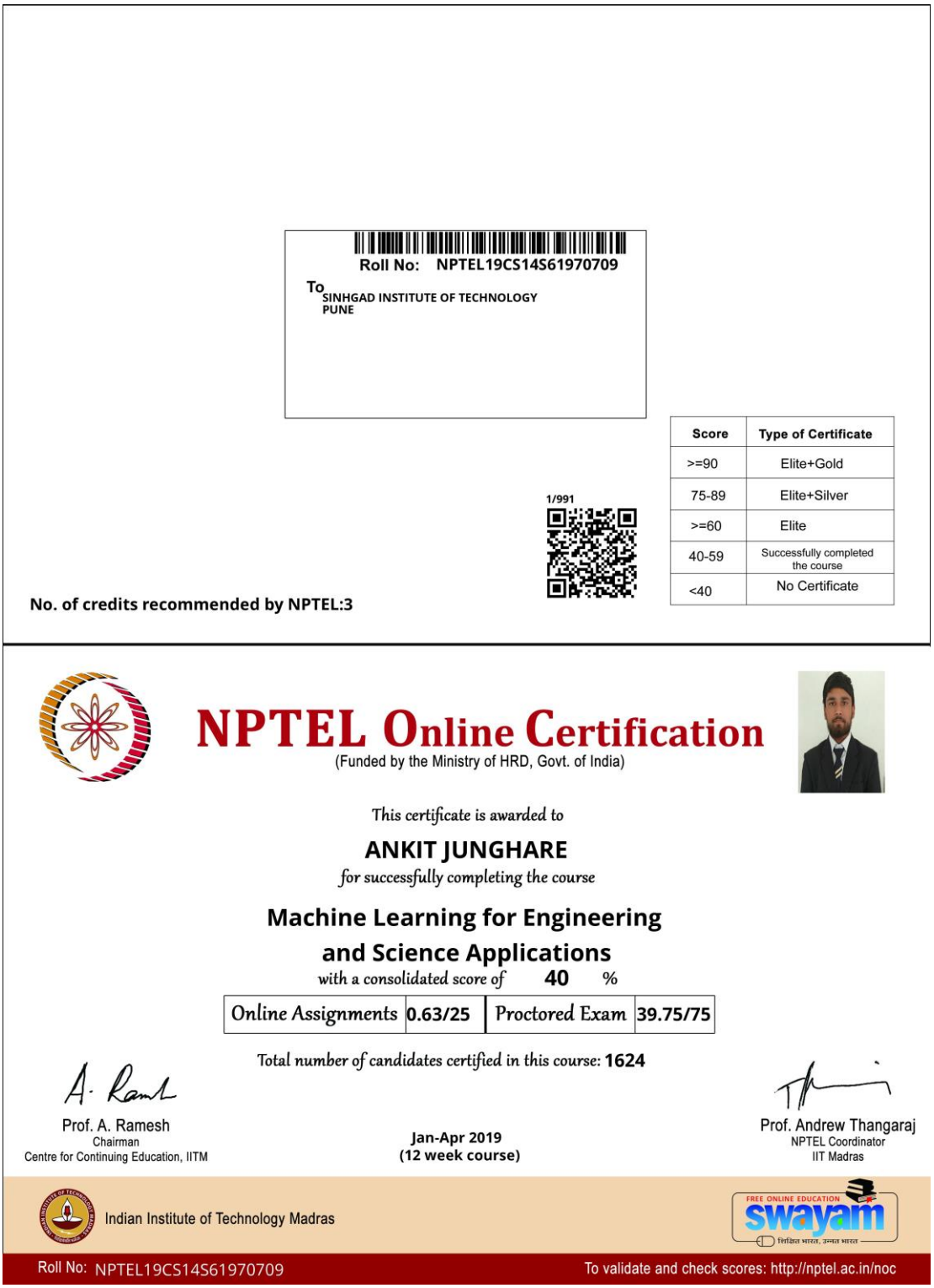
Outcomes:

- Students are able to understand important features machine learning.
- Student are able apply machine learning concepts to solve real world problems.

Attendance of Students:-

Sr. No	Name of the Student	Department
1	Ankit Jhungare	Computer Science and Engineering
2	Jeevan	Information Technology
3	Piraji Sopan Trimukhe	Information Technology
4	Rushikesh Tarate	Computer Science and Engineering
5	salke sumedha anil	Computer Science and Engineering
6	Shivani Mane	Computer Science and Engineering
7	Chetan Patil	Computer Science and Engineering

Certificate:-



Roll No: NPTEL19CS14S61970709

To
SINHGAD INSTITUTE OF TECHNOLOGY
PUNE

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully completed the course
<40	No Certificate

1/991

No. of credits recommended by NPTEL:3

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

ANKIT JUNGHARE

for successfully completing the course

Machine Learning for Engineering and Science Applications

with a consolidated score of 40 %

Online Assignments	0.63/25	Proctored Exam	39.75/75

Total number of candidates certified in this course: 1624

Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2019
(12 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL19CS14S61970709

To validate and check scores: http://nptel.ac.in/noc

Summary Report

Name of the Program:- Programming, Data Structures and Algorithms using Python

Course Code- 106106145

List of students enrolled:- 33

Duration of the Course:- 60 Hours (8 Weeks)

Name of the Speaker:- Prof. Madhavan Mukund

Name of Faculty Coordinator:- Dr. M. S. Chaudhari

Curriculum:

This course is an introduction to programming and problem solving in Python. It does not assume any prior knowledge of programming. Using some motivating examples, the course quickly builds up basic concepts such as conditionals, loops, functions, lists, strings and tuples. It goes on to cover searching and sorting algorithms, dynamic programming and backtracking, as well as topics such as exception handling and using files. As far as data structures are concerned, the course covers Python dictionaries as well as classes and objects for defining user defined datatypes such as linked lists and binary search trees.

CONTENT-

Sr. No	Name of Module	Duration
1	Informal introduction to programming, algorithms and data structures via gcd, Downloading and installing Python, gcd in Python: variables, operations, control flow - assignments, condition-als, loops, functions.	Week 1
2	Python: types, expressions, strings, lists, tuples | Python memory model: names, mutable and immutable values | List operations: slices etc| Binary search | Inductive function definitions: numerical and structural induction | Elementary	Week 2

	inductive sorting: selection and insertion sort | In-place sorting	
3	Basic algorithmic analysis: input size, asymptotic, complexity,O() notation | Arrays vs lists | Merge sort | Quicksort | Stable sorting	Week 3
4	Dictionaries | More on Python functions: optional arguments, default values | Passing functions as arguments | Higher order functions on lists: map, lter, list comprehension.	Week 4
5	Exception handling | Basic input/output | Handling files | String processing	Week 5
6	Backtracking: N Queens, recording all solutions | Scope in Python: local, global, nonlocal names | Nested functions | Data structures: stack, queue | Heaps.	Week 6
7	Abstract datatypes | Classes and objects in Python | "Linked" lists: find, insert, delete | Binary search trees: find, insert, delete | Height-balanced binary search trees.	Week 7
8	E-icient evaluation of recursive definitions: memoization | Dynamic programming: examples | Other programming languages: C and manual memory management | Other programming paradigms: functional programming	Week 8

Assessment Procedure:-

1. Exam was taken in two sections- assignment and mcq exam.
2. Exam was taken by online mode. Final score is the certification score.
3. Passed Students are awarded with Certificate.

Outcomes:

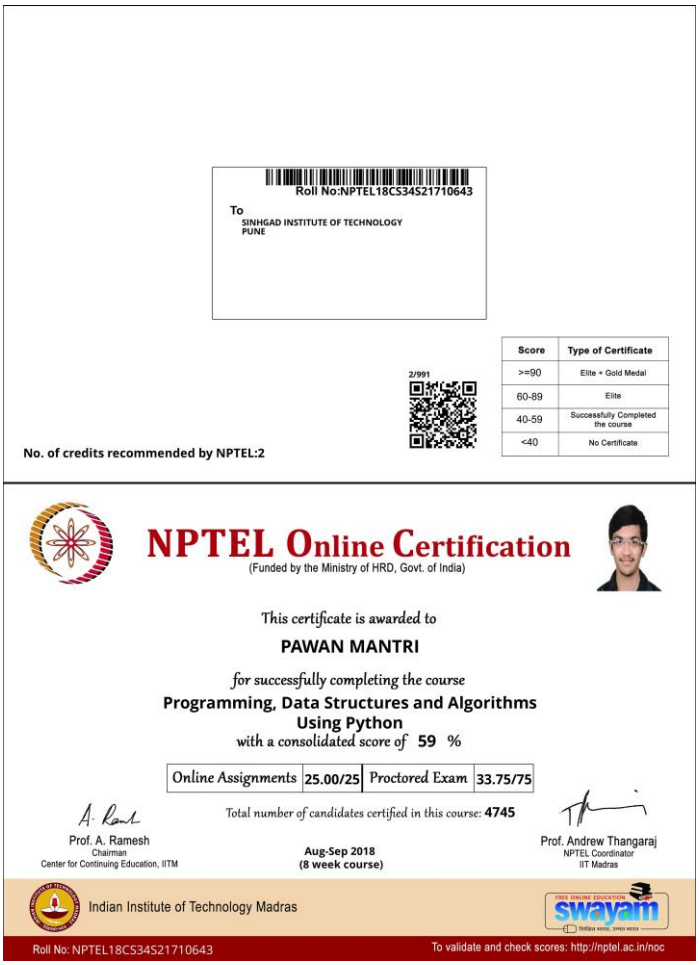
- Students are able to understand important features of Data Structure and Algorithms.
- Students are able to write programs by using python language.

Attendance of Students:-

Sr. No	Name of the Student	Department
1	Ankit Jha	Computer Science and Engineering
2	AKSHAY KUMAR MISHRA	Computer Science and Engineering
3	Amol Bhivsen Khedkar	Computer Science and Engineering
4	Anchal Rahate	Computer Science and Engineering
5	Asjadurrahman	Information Technology
6	Bhagyashri Mulkalwar	Computer Science and Engineering
7	Darshan P Khedkar	Computer Science and Engineering
8	Jyoti Vishwakarma	Computer Science and Engineering
9	KUSH SHAH	Computer Science and Engineering
10	MAHESH PATIL	Information Technology
11	Piraji Sopan Trimukhe	Information Technology
12	Vivek rathi	Electronics and Communication Engineering
13	Saiganesh Venkatrao Nirale	Information Technology

14	Sumit	Electronics and Communication Engineering
15	Swapnil Sanjay Nagare	Information Technology
16	Birajdar Vaibhavkumar Anantrao	Computer Science and Engineering
17	Anjali Jha	Information Technology
18	Chetan Patil	Computer Science and Engineering
19	Aniket V.Arsad	Electrical Engineering
20	Ashwini Kumar	Computer Science and Engineering
21	Baliram Pinate	Information Technology
22	BHALALA BHARGAV GHANSHYAMBHAI	Electronics and Communication Engineering
23	Adiya Raj	Computer Science and Engineering
24	CHETAN DANGE	Computer Science and Engineering
25	Aditya Mahalle	Information Technology
26	Jayesh Patil	Computer Science and Engineering
27	Makrand Deshmukh	Information Technology
28	MULE AJAY PRALHAD	Information Technology
29	Rajat Modokar	Computer Science and Engineering
30	SANTOSH TAKLE	Information Technology
31	SHUBHAM WAGHMARE	Information Technology
32	Vaishnavi Hedau	Others
33	Vikash Vishal	Computer Science and Engineering

Certificate:-



Roll No:NPTEL18CS34S21710643

To
SINHGAD INSTITUTE OF TECHNOLOGY
PUNE

2/991

Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

PAWAN MANTRI

for successfully completing the course

Programming, Data Structures and Algorithms Using Python

with a consolidated score of 59 %

Online Assignments	25.00/25	Proctored Exam	33.75/75

Total number of candidates certified in this course: 4745

Prof. A. Ramesh
Chairman
Center for Continuing Education, IITM

Aug-Sep 2018
(8 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL18CS34S21710643

To validate and check scores: http://nptel.ac.in/noc

Summary Report

Name of the Program:- Programming in JAVA

Course Code- 106105191

List of students enrolled:- 23

Duration of the Course:- 60 Hours (8 Weeks)

Name of the Speaker:- Prof. Debasis Samantha NPTEL

Name of Faculty Coordinator:- Dr. M. S. Chaudhari

Curriculum:

With the growth of Information and Communication Technology, there is a need to develop large and complex software. Further, those software should be platform independent, Internet enabled, easy to modify, secure, and robust. To meet this requirement object-oriented paradigm has been developed and based on this paradigm the Java programming language emerges as the best programming environment. Now, Java programming language is being used for mobile programming, Internet programming, and many other applications compatible to distributed systems. This course aims to cover the essential topics of Java programming so that the participants can improve their skills to cope with the current demand of IT industries and solve many problems in their own field of studies.

CONTENT-

Sr. No	Name of Module	Duration
1	Overview of Object-Oriented Programming and Java	Week 1
2	Java Programming Elements, Input-Output Handling in Java	Week 2
3	Encapsulation, Inheritance	Week 3
4	Exception Handling , Java Applets and Servlets	Week 4

5	Multithreaded Programming	Week 5
6	Java Swing and Abstract Windowing Toolkit (AWT)	Week 6
7	Networking with Java	Week 7
8	Java Object Database Connectivity (ODBC)	Week 8

Assessment Procedure:-

1. Exam was taken in two sections- assignment and mcq exam.
2. Exam was taken by online mode. Final score is the certification score.
3. Passed Students are awarded with Certificate.

Outcomes:

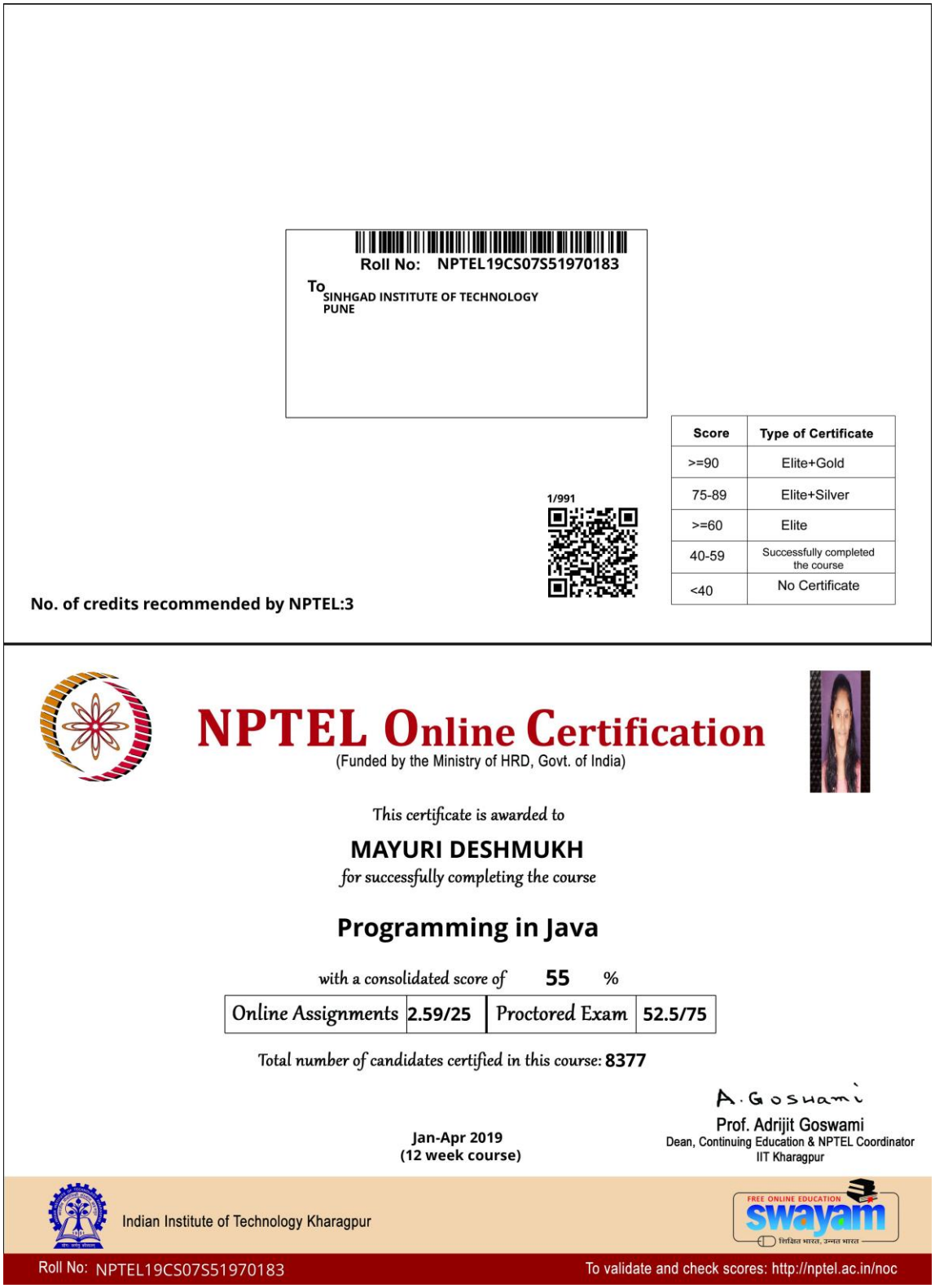
- Students are able to understand important features of Java Programming Language.
- Student are able use Java Database Connectivity.

Attendance of Students:-

Sr. No	Name of the Student	Department
1	shashikant singh	Electronics and Communication Engineering
2	Shivam gandhi	Information Technology
3	swapnil sanghai	Information Technology

4	Vidyanshu kumar mishra	Computer Science and Engineering
5	Birajdar Vaibhavkumar Anantrao	Computer Science and Engineering
6	Vishal Singh	Electronics and Communication Engineering
7	Ankush Kumar	Information Technology
8	Chetan Patil	Computer Science and Engineering
9	Rutuja Kamble	Information Technology
10	Akshay Kailas Auti	Computer Science and Engineering
11	Anish Manmohan Nargund	Electronics and Communication Engineering
12	Anushika Gupta	Information Technology
13	Apurva Lawate	Information Technology
14	Mayuri Deshmukh	Computer Science and Engineering
15	Baliram Pinate	Information Technology
16	Bunty Kumar Badal	Computer Science and Engineering
17	Adiya Raj	Computer Science and Engineering
18	Aditya Wanve	Information Technology
19	Jayesh Patil	Computer Science and Engineering
20	Rahul Kumar	Computer Science and Engineering
21	Mahesh Bhilare	Computer Science and Engineering
22	Sachin Kumar jha	Information Technology
23	Suhil Kaul	Computer Science and Engineering

Certificate:-



Roll No: NPTEL19CS07S51970183

To
SINHGAD INSTITUTE OF TECHNOLOGY
PUNE

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully completed the course
<40	No Certificate

1/991

No. of credits recommended by NPTEL:3

NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

MAYURI DESHMUKH

for successfully completing the course

Programming in Java

with a consolidated score of 55 %

Online Assignments	2.59/25	Proctored Exam	52.5/75

Total number of candidates certified in this course: 8377

A. Goswami

Jan-Apr 2019
(12 week course)

Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL19CS07S51970183

To validate and check scores: http://nptel.ac.in/noc