SHIVAJI UNIVERSITY, KOLHAPUR.

SHIVAJI UNIVERSITY KOLHAPUR

Faculty Development Centre

AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
ADDING VALUE TO ENGINEERING

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program in Cyber Security

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _Rajesh Yawle_

of _Sinhagad Academy of Engineering_ has

participated/Contributed in Faculty Development Program organized by Faculty Development Centre in Cyber Security and Data Sciences hosted by All India Shri Shivaji Memorial Society's Institute of Information Technology Kennedy Road, Near RTO, Pune conducted by FDC PMMMNMTT, during 11th February – 17th February 2019.

Dr. V. K. Bairagi
Local Coordinator

Dr. P. B. Mane
Principal

Dr. K. S. Oza
Co-Coordinator

Prof. (Dr.) R. K. Kamat
Coordinator

Sinhgad Technical Education Society's

SINHGAD ACADEMY OF ENGINEERING ™

(Affiliated to University of Pune and Approved by, AICTE, New Delhi.)
S. No. 40/4 A. Near octroi Post, Kondhwa –Saswad Road, Pune – 411048.
☎ : (020) 26934441, 26934550, Fax : 020- 26934297,
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Sinhgad Institutes

Department of Electronics and Telecommunication

MHRD Government of india Sponsored One Week FDP
(11-Feb-2019 TO 17-Feb-2019)
ON
"Cyber Security and Data Sciences"
Hosted by
AISSMS Institute of Information Technology, Pune

Summary

The one Week FDP is arranged by AISSMS Institute of Information Technology, Pune. in association with Shivaji University, Kolhapur under MHRD government of india initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT). The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciences that are required in our research and teaching learning Process.

Various well known Resource persons from the Industries and different Shivaji University were invited for Presenting their Knowledge and share their experiences. The Inaugural function preceded by the Principal Dr P.B.Mane of AISSMSIOIT Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

One week Refresher Programme was organized daily in four sessions out of four sessions two sessions based on theory and two based on hands-on. Imminent personalities from well known Organizations such as SPP University and well known industries, have enlighten the participants from various colleges of India on various issues related to MEMS Power Sources and Electronic Packaging and its application in Education field as well as in Industry.

One day they have conducted a online test on workshop course content in afternoon session for getting certificate from Shivaji university Kolhapur Sponsored by MHRD.

On last day the concluding ceremony was organized Dr.V K Bairagi Local Coordinator of the program AISSMSIOIT Pune and Speech of Dr. P B Mane principal AISSMSIOIT Pune and Dr. K S Oza Co-coordinator Shivaji university Kolhapur was very impressive. The feedbacks from all the participants were collected. The one Week FDP on Cyber Security and Data Sciences was found to be very informative and use full for the participants.

Prof. R.U.Yawle

SHIVAJI UNIVERSITY, KOLHAPUR.

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Faculty Development Program in Cyber Security

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This is to certify that,

Dr./Mr./Ms./Mrs. __Durgaprasad Kamat__

of __Sinhagad Academy of Engg.__ has

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Dr. V. K. Bairagi	**Dr. P. B. Mane**	**Dr. K. S. Oza**	**Prof. (Dr.) R. K. Kamat**
Local Coordinator	Principal	Co-Coordinator	Coordinator

Department of Electronics and Telecommunication

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Faculty Development Program in Cyber Security

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. **Bharte Vishal**

of **Sihgad Academy of Engg.** has

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Prof. V. D. Bharate

All India Shri Shivaji Memorial Society's
INSTITUTE OF INFORMATION TECHNOLOGY
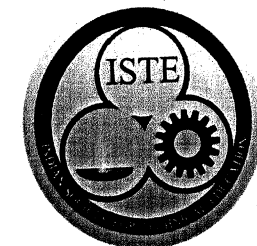### Kennedy road, Near RTO, Pune-411001

Refresher Programme

on

"RECENT TRENDS IN MEMS, POWER SOURCES AND ELECTRONIC PACKAGING"

Provisional

Certificate of Participation

This is to certify that Mr. /Mrs. **ATUL B. INGOLE** of organization **SAE KONDHAWA** has participated in the **"RECENT TRENDS IN MEMS, POWER SOURCES AND ELECTRONIC PACKAGING "**. Sponsored by AICTE, ISTE and Technically supported by CMET Pune, ISSS. Organized by Department of Electronics and Telecommunication Engineering, AISSMS, IOIT, Pune from **25th Jun to 30th Jun 2018.**

Dr. M. P. Sardey
(Convener)

Dr. Girish Phatak
Secretary, Pune Chapter, ISSS

Dr. P. B. Mane
(Principal)

Department of Electronics and Telecommunication

AICTE-ISTE Sponsored One Week Refresher Programme
(25-June-2018 TO 30-June-2018)
ON
"Recent Trends in MEMS Power Sources and Electronic Packaging"
At
AISSMS Institute of Information Technology, Pune

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Prof. A. B. Ingole

0588
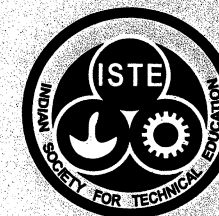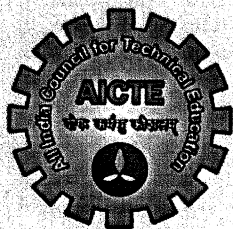
Certificate

This is to certify that Mr./Ms. *Vishal D. Bharate*

has successfully completed AICTE-ISTE approved Induction/Refresher Programme "*Recent Trends in MEMS, Power Sources and Electronic Packaging*" held during
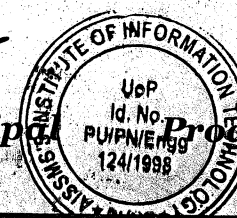
25/6/2018 to *30/6/2018* Organized by *AISSMS's Institute of Information Technology, Pune, Maharashtra*

Advisor, AICTE   **Executive Secretary, ISTE**   **Principal**   **Program Coordinator**

Department of Electronics and Telecommunication

AICTE-ISTE Sponsored One Week Refresher Programme
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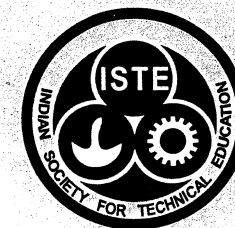
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The Refresher Programme was found to be very informative and use full for the participants.

Prof. V. D. Bharate

0586

Certificate

This is to certify that Mr./Ms. _Rajesh U. Yawle_

has successfully completed AICTE-ISTE approved Induction/Refresher Programme

" _Recent Trends in MEMS, Power Sources and Electronic Packaging_ " held during
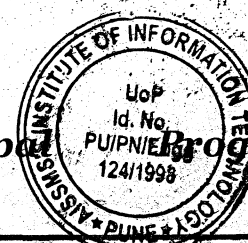
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Department of Electronics and Telecommunication

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Faculty Development Program on Cyber Security

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _Pallavi . S. Deshpande._

of _S. A. E. Kondhwa , Pune._ _____ has

participated/Contributed in Faculty Development Program on Cyber Security organized by Faculty Development Centre in Cyber Security and Data Sciences hosted by Sinhgad Academy of Engineering Kondhwa (Bk) Pune conducted by FDC PMMMNMTT, during 8th April – 13th April 2019.

Dr. D. K. Kamat Local Coordinator	**Mr. R. U. Yawle** Local Coordinator	**Dr. K. P. Patil** Principal	**Dr. K. S. Oza** Course Co-Coordinator	**Prof. (Dr.) R. K. Kamat** Coordinator

One week FDP

On

Cyber security and data science

Name of program : Cyber security and data science

Number of days: one week

Duration : 8 to 13 april 2019

Venue :SAE kondhwa   pun e

Contents of the workshop:

Day 1:Introduction and Computer Security-IComputer Security

Day 2:Network Security Day 3:Thursday, 05/09/2019Network SecurityII and Email SecurityI

Day 4Website Security I

Day 5:Website Security II and Cyber Law,

Day 6:Mobile Security and Cloud Security

assignments:1.Installing, Configuring and Commissioning of Proxy Serverusing FOSS. Studying issues like Browsersecurity, email security, difference between http, https etc.

2.Perform port scanningusingNMAP (Network Mapper).

3.Analyse the network traffic using wireshark or any other network sniffer.

4.Collect the Owner's information using spyware.

5.Steganography: Perform data hiding using covered writing

6.Identification of virus infected file using virustotal.com

7.Understanding traceroute functionality using open visual trace route

8.Vulnerability analysis in web application using Zed Attack Proxy

9.Isolating WLAN Traffic using Separate Firewall for VPN Connection

Dr.Mrs.P.S.Deshpande

SHIVAJI UNIVERSITY, KOLHAPUR

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Faculty Development Program on Cyber Security

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This is to certify that,

Dr./Mr./Ms./Mrs. _Kish. N. Jagtap_

of _SAE Kondhwa, Pune_ has

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Sinhgad Institutes

Department of Electronics and Telecommunication

Summary of FDP on Cyber Security workshop by MHRD and PMMNMTT SAE, Kondhwa from 08/04/2019- 13/04/2019

Ethical hacking is an important tool in many national security agencies and even companies.

This workshop is specifically designed to provide the right knowledge to the aspiring Hacking and **Cyber Security** enthusiasts. This workshop explored the various means that an intruder has, to gain access to computer resources. It will investigate weaknesses by discussing the theoretical background behind, and whenever possible, actually performing the attack.

Cyber security is the practice of protecting systems, networks, and programs from digital attacks. These cyber attacks are usually aimed at accessing, changing, or destroying sensitive information; extorting money from users; or interrupting normal business processes.

Implementing effective cyber security measures is particularly challenging today because there are more devices than people, and attackers are becoming more innovative.

Workshop ended with participation certificates were given to all the participants.

Ms. K. N. Jagtap
Assistant Professor

SAE, E&TC

SHIVAJI UNIVERSITY, KOLHAPUR

SHIVAJI UNIVERSITY KOLHAPUR

Faculty Development Centre
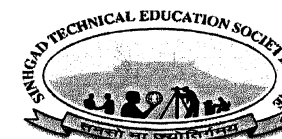
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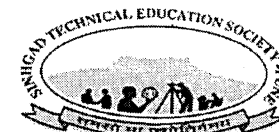**Prof. S.B.PAWAR**

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Faculty Development Program on Cyber Security

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Dr./Mr./Ms./Mrs. _____ Baliram S. Gayal _____

of _____ SAE Kondhwa Pune _____ has

participated/Contributed in Faculty Development Program on Cyber Security organized by Faculty Development Centre in Cyber Security and Data Sciences hosted by Sinhgad Academy of Engineering Kondhwa (Bk) Pune conducted by FDC PMMMNMTT, during 8th April – 13th April 2019.
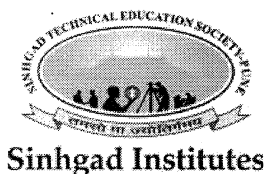
Dr. D. K. Kamat	Mr. R. U. Yawle	Dr. K. P. Patil	Dr. K. S. Oza	Prof. (Dr.) R. K. Kamat
Local Coordinator	Local Coordinator	Principal	Course Co-Coordinator	Coordinator

Department of Electronics and Telecommunication

One Week FDP
ON
"Cyber Security"
(08-April-2019 TO 13-April-2019)
Organized and Sponsored by
Shivaji University, Kolhapur & MHRD Government of India
<u>Summary</u>

The one Week FDP is arranged by **Sinhgad Academy of Engineering, Kondhwa, Pune**. in association with Shivaji University, Kolhapur under MHRD government of India initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT).The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciencesthat are required in our research and teaching learning Process. Various well known Resource persons from the different Industries and Shivaji University were invited for presenting theirknowledge and share their experiences. The inaugural function preceded by the Principal Dr. K. P. Patil of Sinhgad Academy of Engineering, Kondhwa, Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

For this One week Refresher programme, daily four sessions were planned and organized.Out of four sessions two sessionswere based on theory and two based on hands-on.Imminent personalities from well known Organizations such as SPP University and well known industries, have enlighten the participants from various colleges of India on various issues related to MEMS Power Sources and Electronic Packagingand its application in Education field as well as in Industry.

On the conclusion day, online test was conducted based on the contents of workshop course in afternoon session.This evaluation helps the organizer to find out the active participation of the beneficiaries and accordingly to distribute the certificates from Shivaji university Kolhapur and Sponsored by MHRD. The workshop was successfully concluded by the auspicious presence of Dr. K. S. Oza Co-coordinator Shivaji University Kolhapur and Dr. K. P. Patil, Principal SAE Pune. The feedbacks from all the participants were collected.Theone Week FDP on Cyber Security and Data Sciences was found to be very informative and use full for the participants.

-**Prof. B. S. Gayal**

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

SHIVAJI UNIVERSITY KOLHAPUR

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Cyber Security

—————— **Certificate** ——————

This is to certify that,

Dr./Mr./Ms./Mrs. _Supriya T. Sawant Patil._

of _S. A. E. Kondhwa, Pune._ _has

participated/Contributed in Faculty Development Program on Cyber Security organized by Faculty Development Centre in Cyber Security and Data Sciences hosted by Sinhgad Academy of Engineering Kondhwa (Bk) Pune conducted by FDC PMMMNMTT, during 8th April – 13th April 2019.

Dr. D. K. Kamat	**Mr. R. U. Yawle**	**Dr. K. P. Patil**	**Dr. K. S. Oza**	**Prof. (Dr.) R. K. Kamat**
Local Coordinator	Local Coordinator	Principal	Course Co-Coordinator	Coordinator

Summery

Faculty Name: Mrs.Supriya T Sawant-Patil.

Year 2019-20

1]Participated in six days FDP on **Cyber security** Organized by faculty development center in cyber security and data sciences hosted by Sinhgad academy of engineering Kondhwa(bk) Pune conducted by FDC PMMMNMTT, During 08/04/2019 TO 13/04/2019. In this program different aspect of subject such as data analysis, development boards, student involvement and evaluation process etc were discussed in detail.

Savant.

Mrs. S. T. Sawant- Patil

SHIVAJI UNIVERSITY, KOLHAPUR
Faculty Development Centre

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Cyber Security

▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬ **Certificate** ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬
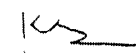
This is to certify that,

Dr./Mr./Ms./Mrs. _Chandrashekhar . G. Patil._

of _SAE Kondhwa Pune._ has

participated/Contributed in Faculty Development Program on Cyber Security organized by Faculty Development Centre in Cyber Security and Data Sciences hosted by Sinhgad Academy of Engineering Kondhwa (Bk) Pune conducted by FDC PMMMNMTT, during 8th April – 13th April 2019.

Dr. D. K. Kamat	Mr. R. U. Yawle	Dr. K. P. Patil	Dr. K. S. Oza	Prof. (Dr.) R. K. Kamat
Local Coordinator	Local Coordinator	Principal	Course Co-Coordinator	Coordinator

Department of Electronics and Telecommunication

One Week FDP
ON
"Cyber Security and Data Sciences"
(08-April-2019 TO 13-April-2019)
Organized and Sponsored by
ShivajiUniversity,Kolhapur&MHRDGovernment of India
<u>Summary</u>

The one Week FDP is arranged by **Sinhgad Academy of Engineering, Kondhwa,Pune.** in association with Shivaji University, Kolhapur under MHRD government of India initiative PanditMadan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT).The Programmewas aimed to develop,understand the basics concept and hands on Cyber Security and Data Sciencesthat are required in our researchand teaching learning Process.Various well known Resource persons from thedifferent Industries and Shivaji University were invited for presenting theirknowledge and share their experiences. The inaugural function preceded by the Principal DrK.P.Patilof Sinhgad Academy of Engineering, Kondhwa.Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

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-Dr.C.G.Patil

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

SHIVAJI UNIVERSITY KOLHAPUR

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _____ Jasmine Bagban _____

of _____ Sinhgad Academy of Engineering _____ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT, during 24th June – 29th June 2019.

Mr. B.B.Gite	Dr. K. M. Gaikwad	Dr K P Patil	Dr. K. S. Oza	Prof. (Dr.) R. K. Kamat
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

Department of Electronics and Telecommunication

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One Week FDP

ON

" Data Science "

(24-June-2019 TO 29-June-2019)

Organized and Sponsored by

Shivaji University, Kolhapur & MHRD Government of India

Summary

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The one Week FDP is arranged by **Sinhgad Academy of Engineering, Kondhwa, Pune.** in association with Shivaji University, Kolhapur under MHRD government of India initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT).The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciencesthat are required in our research and teaching learning Process.Various well known Resource persons from the different Industries and Shivaji University were invited for presenting theirknowledge and share their experiences. The inaugural function preceded by the Principal Dr. K. P. Patil of Sinhgad Academy of Engineering, Kondhwa, Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

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Prof.J.A.Bagban

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

SHIVAJI UNIVERSITY KOLHAPUR

Sinhgad Institutes

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Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _____ Kirti Nilesh Jagtap _____

of _____ Sinhgad Academy of Engineering , Kondhwa _____ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT, during 24th June – 29th June 2019.

Mr. B.B.Gite	**Dr. K. M. Gaikwad**	**Dr K P Patil**	**Dr. K. S. Oza**	**Prof. (Dr.) R. K. Kamat**
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

Department of Electronics and Telecommunication

Summary of FDP on Data Science workshop by MHRD and PMMNMTT SAE, Kondhwa data science from 24/06/2019- 29/06/2019

This workshop in Data Science gives a broad exposure to key concepts and tools from Python, R to Machine Learning and more. Hands-on labs and project work on RUBICS bring these concepts to life with our trainers and teaching assistants to guide you along the way.

Data science continues to evolve as one of the most promising and in-demand career paths for skilled professionals. Today, successful data professionals understand that they must advance past the traditional skills of analyzing large amounts of data, data mining, and programming skills. In order to uncover useful intelligence for their organizations, data scientists must master the full spectrum of the data science life cycle and possess a level of flexibility and understanding to maximize returns at each phase of the process.

Data scientists need to be curious and result-oriented, with exceptional industry-specific knowledge and communication skills that allow them to explain highly technical results to their non-technical counterparts. They possess a strong quantitative background in statistics and linear algebra as well as programming knowledge with focuses in data warehousing, mining, and modeling to build and analyze algorithms.

In the past decade, data scientists have become necessary assets and are present in almost all organizations. These professionals are well-rounded, data-driven individuals with high-level technical skills who are capable of building complex quantitative algorithms to organize and synthesize large amounts of information used to answer questions and drive strategy in their organization. This is coupled with the experience in communication and leadership needed to deliver tangible results to various stakeholders across an organization or business.

Workshop ended with participation certificates were given to all the participants.

Ms. K. N. Jagtap
Assistant Professor

SAE, E&TC

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. __Rajendrasing Pratapsing Rajput__

of __Sinhgad Academy of Engineering Kondhwa (Bk) Pune__ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty
Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by
STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT,
during 24th June – 29th June 2019.

Mr. B.B.Gite	Dr. K. M. Gaikwad	Dr K P Patil	Dr. K. S. Oza	Prof. (Dr.) R. K. Kamat
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

FDP on Data Science and Rubics workshop by MHRD and PMMNMTT SAE, Kondhwa data science from 24/06/2019- 29/06/2019

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SHIVAJI UNIVERSITY, KOLHAPUR

SHIVAJI UNIVERSITY KOLHAPUR

Faculty Development Centre

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
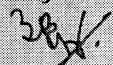(PMMMNMTT).

Sinhgad Institutes

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _Bachkar Y.R_

of _Sinhgad Academy of Engineering, Kondhwa_ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty
Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by
STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT,
during 24th June – 29th June 2019.
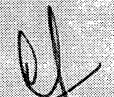
Mr. B.B.Gite	**Dr. K. M. Gaikwad**	**Dr K P Patil**	**Dr. K. S. Oza**	**Prof. (Dr.) R. K. Kamat**
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

Summary on Cyber Security and Data Science F.D.P

Date:24ᵗʰ June - 29ᵗʰ June at SAE,Kondhwa

All submissions underwent a meticulous review process, and nine papers were accepted for publication in this special issue. e following is a short summary of the ndings of each of these papers. Cyber Physical Power Systems (CPPS) are a critical infrastructure and therefore a favorable target of cyberattacks. In "VHDRA: A Vertical and Horizontal Intelligent Dataset Reduction Approach for Cyber-Physical Power Aware Intrusion Detection Systems," the authors proposed the use of the Nonnested Generalized Exemplars (NNGE) algorithm and showed that it is among the most accurate and suitable classication methods for developing an intrusion detection system for CPPS because of its ability to classify multiclass scenarios and handle heterogeneous datasets. Furthermore, VHDRA proposed mechanisms to improve the classication accuracy and speed of the NNGE algorithm and reduce the computational resource consumption. It achieves this by vertical reduction of the dataset features by selecting only the most signicant features and horizontally reduces the size of data while preserving original key events and patterns within the datasets using the State Tracking and Extraction Method approach.

All the faculties gave exams on Basic and intermediate level and earned the badges and certificates for the same. A member of Cyber Security and Data Science organization was the resource person for the workshop.

Y.R.BACHKAR

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

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Sinhgad Institutes

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(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _Vishal D Bharate_

of _Sinhgad Academy of Engineering ,Kondhwa_ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT, during 24th June – 29th June 2019.

Mr. B.B.Gite	**Dr. K. M. Gaikwad**	**Dr K P Patil**	**Dr. K. S. Oza**	**Prof. (Dr.) R. K. Kamat**
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

Department of Electronics and Telecommunication

MHRD Government of india Sponsored One Week FDP
(09-Dec-2019 TO 14-Dec-2019)
ON
"Cyber Security and Data Sciences"
Hosted by
K.J College of Engineering and Management Research, Pune

Summary

The one Week FDP is arranged by K.J College of Engineering and Management Research, Pune. in association with Shivaji University, Kolhapur under MHRD government of india initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT). The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciences that are required in our research and teaching learning Process.

Various well known Resource persons from the Industries and different Shivaji University were invited for Presenting their Knowledge and share their experiences. The Inaugural function preceded by the Principal Dr S.S.Khot of KJCOEMR Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

One week Refresher Programme was organized daily in four sessions out of four sessions two sessions based on theory and two based on hands-on. Imminent personalities from well known Organizations such as SPP University and well known industries, have enlighten the participants from various colleges of India on various issues related to Cyber Security and its application in Education field as well as in Industry.

One day they have conducted a online test on workshop course content in afternoon session for getting certificate from Shivaji university Kolhapur Sponsored by MHRD.
On last day the concluding ceremony was organized V B Maral Local Coordinator of the program KJCOEMR Pune and Speech of Dr. D C Mehetre HOD computer department KJCOEMR Pune and Dr. K S Oza Co-coordinator Shivaji university Kolhapur was very impressive. The feedbacks from all the participants were collected. The one Week FDP on Cyber Security and Data Sciences was found to be very informative and use full for the participants.

Prof. V. D. Bharate

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _____ Baliran Sambhaji Gayal _____

of _____ Sinhgad Academy of Engineering, Pune _____ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT, during 24th June – 29th June 2019.

Mr. B.B.Gite	Dr. K. M. Gaikwad	Dr K P Patil	Dr. K. S. Oza	Prof. (Dr.) R. K. Kamat
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

Sinhgad Technical Education Society's

SINHGAD ACADEMY OF ENGINEERING (TM)

(Affiliated to University of Pune and Approved by, AICTE, New Delhi.)
S. No. 40/4 A. Near octroi Post, Kondhwa –Saswad Road, Pune – 411048.
☎ : (020) 26934441, 26934550, Fax : 020- 26934297,
E-mail : saeprincipal@sinhgad .edu, Website : www.sinhgad.edu

Sinhgad Institutes

Department of Electronics and Telecommunication

**One Week FDP
ON
" Data Science "
(24-June-2019 TO 29-June-2019)
Organized and Sponsored by
Shivaji University, Kolhapur & MHRD Government of India**

Summary

The one Week FDP is arranged by **Sinhgad Academy of Engineering, Kondhwa, Pune**. in association with Shivaji University, Kolhapur under MHRD government of India initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT).The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciencesthat are required in our research and teaching learning Process.Various well known Resource persons from the different Industries and Shivaji University were invited for presenting theirknowledge and share their experiences. The inaugural function preceded by the Principal Dr. K. P. Patil of Sinhgad Academy of Engineering, Kondhwa, Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

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- Mr. B. S. Gayal

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

SHIVAJI UNIVERSITY KOLHAPUR

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _____ **Durgaprasad Kamalakar Kanat** _____

of _____ **Sinhgad Academy of Engineering** _____ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT, during 24th June – 29th June 2019.

Mr. B.B.Gite	Dr. K. M. Gaikwad	Dr K P Patil	Dr. K. S. Oza	Prof. (Dr.) R. K. Kamat
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

Sinhgad Technical Education Society's

SINHGAD ACADEMY OF ENGINEERING TM

(Affiliated to University of Pune and Approved by, AICTE, New Delhi.)
S. No. 40/4 A. Near octroi Post, Kondhwa –Saswad Road, Pune – 411048.
☎ : (020) 26934441, 26934550, Fax : 020- 26934297,
E-mail : saeprincipal@sinhgad .edu, Website : www.sinhgad.edu

Sinhgad Institutes

Department of Electronics and Telecommunication

MHRD Government of India Sponsored One Week FDP
(24-June-2019 To 26-June-2019)
ON
"Cyber Security and Data Sciences"
Hosted by
Sinhgad Academy of Engineering, Pune

Summary

The one Week FDP is arranged by Sinhgad Academy of Engineering, Pune in association with Shivaji University, Kolhapur under MHRD government of India initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT). The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciences that are required in our research and teaching learning Process.

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Dr. D. K. Kamat

SHIVAJI UNIVERSITY, KOLHAPUR

SHIVAJI UNIVERSITY KOLHAPUR

Faculty Development Centre

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _____Sachin   Pawar_____

of ___Sinhgad Academy of Engineering Kondhwa (BK) Pune_____ has

*participated/Contributed in Faculty Development Program on Data Science organized by Faculty
Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by
STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT,
during 24th June – 29th June 2019.*

Mr. B.B.Gite	**Dr. K. M. Gaikwad**	**Dr K P Patil**	**Dr. K. S. Oza**	**Prof. (Dr.) R. K. Kamat**
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

Department of Electronics and Telecommunication

One Week FDP
ON
" Data Science "
(24-June-2019 TO 29-June-2019)
Organized and Sponsored by
Shivaji University, Kolhapur & MHRD Government of India

Summary

The one Week FDP is arranged by **Sinhgad Academy of Engineering, Kondhwa, Pune.** in association with Shivaji University, Kolhapur under MHRD government of India initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT).The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciencesthat are required in our research and teaching learning Process.Various well known Resource persons from the different Industries and Shivaji University were invited for presenting theirknowledge and share their experiences. The inaugural function preceded by the Principal Dr. K. P. Patil of Sinhgad Academy of Engineering, Kondhwa, Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

For this One week Refresher programme, daily four sessions were planned and organized. Out of four sessions two sessions were based on theory and two based on hands-on.Imminent personalities from well known Organizations such as SPP University and well known industries, have enlightened the participants from various colleges of India on various issues related to MEMS Power Sources and Electronic Packagingand its application in Education field as well as in Industry.

On the conclusion day, online test was conducted based on the contents of workshop course in afternoon session.This evaluation helps the organizer to find out the active participation of the beneficiaries and accordingly to distribute the certificates from Shivaji university, Kolhapur and Sponsored by MHRD. The workshop was successfully concluded by the auspicious presence of Dr. K. S. Oza Co-coordinator Shivaji University Kolhapur and Dr. K. P. Patil, Principal SAE Pune. The feedbacks from all the participants were collected. The one Week FDP on Cyber Security and Data Sciences was found to be very informative and use full for the participants.

- Mr. S.B.PAWAR

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Sinhgad Institutes

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. _____ **Saurabh Thakur** _____

of __**Sinhgad Academy of Engineering, Kondhwa**__ *has
participated/Contributed in Faculty Development Program on Data Science organized by Faculty
Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by
STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT,
during 24th June – 29th June 2019.*

Mr. B.B.Gite
HoD,
Department of
Computer Engineering

Dr. K. M. Gaikwad
Vice-Principal,
SAE,Pune

Dr K P Patil
Principal,
SAE,Pune

Dr. K. S. Oza
Course Co-Coordinator

Prof. (Dr.) R. K. Kamat
Coordinator

CERTIFICATE OF COMPLETION

THIS ACKNOWLEDGES THAT

Saurabh Thakur

HAS SUCCESSFULLY COMPLETED THE

Rubics Data Science

Faculty Development Program

rubics

Prashant Pansare, CEO — Rubics Labs

Date: 28/06/2019

www.rubics.io

Sinhgad Technical Education Society's

SINHGAD ACADEMY OF ENGINEERING   TM

(Affiliated to University of Pune and Approved by, AICTE, New Delhi.)
S. No. 40/4 A. Near octroi Post, Kondhwa –Saswad Road, Pune – 411048.
☎ : (020) 26934441, 26934550, Fax : 020- 26934297,
E-mail : saeprincipal@sinhgad .edu, Website : www.sinhgad.edu

Sinhgad Institutes

Department of Electronics and Telecommunication

One Week FDP
ON
" Data Science "
(24-June-2019 TO 29-June-2019)
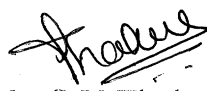Organized and Sponsored by
Shivaji University, Kolhapur & MHRD Government of India

Summary

The one Week FDP is arranged by **Sinhgad Academy of Engineering, Kondhwa, Pune.** in association with Shivaji University, Kolhapur under MHRD government of India initiative Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMMNMTT).The Programme was aimed to develop, understand the basics concept and hands on Cyber Security and Data Sciencesthat are required in our research and teaching learning Process.Various well known Resource persons from the different Industries and Shivaji University were invited for presenting theirknowledge and share their experiences. The inaugural function preceded by the Principal Dr. K. P. Patil of Sinhgad Academy of Engineering, Kondhwa, Pune. He elaborated the global scenario of Cyber Security and Data Sciences and stressed on the up-gradation of the education policies at present we have.

For this One week Refresher programme, daily four sessions were planned and organized. Out of four sessions two sessions were based on theory and two based on hands-on.Imminent personalities from well known Organizations such as SPP University and well known industries, have enlightened the participants from various colleges of India on various issues related to MEMS Power Sources and Electronic Packagingand its application in Education field as well as in Industry.

On the conclusion day, online test was conducted based on the contents of workshop course in afternoon session.This evaluation helps the organizer to find out the active participation of the beneficiaries and accordingly to distribute the certificates from Shivaji university, Kolhapur and Sponsored by MHRD. The workshop was successfully concluded by the auspicious presence of Dr. K. S. Oza Co-coordinator Shivaji University Kolhapur and Dr. K. P. Patil, Principal SAE Pune. The feedbacks from all the participants were collected. The one Week FDP on Cyber Security and Data Sciences was found to be very informative and use full for the participants.

- Mr. S.V Thakur

SHIVAJI UNIVERSITY, KOLHAPUR

Faculty Development Centre

SHIVAJI
UNIVERSITY KOLHAPUR

Sinhgad Institutes

A MHRD Government of India Initative
Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT).

Faculty Development Program on Data Science

Certificate

This is to certify that,

Dr./Mr./Ms./Mrs. ___Roopa   Kakkeri_____

of ___Sinhgad Academy of Engineering Kondhwa (Bk) Pune___ has

participated/Contributed in Faculty Development Program on Data Science organized by Faculty
Development Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur hosted by
STES's Sinhgad Academy of Engineering, Kondhwa(BK), Pune conducted by FDC PMMMNMTT,
during 24ᵗʰ June – 29ᵗʰ June 2019

Mr. B.B.Gite	**Dr. K. M. Gaikwad**	**Dr K P Patil**	**Dr. K. S. Oza**	**Prof. (Dr.) R. K. Kamat**
HoD,	Vice-Principal,	Principal,	Course Co-Coordinator	Coordinator
Department of	SAE,Pune	SAE,Pune		
Computer Engineering				

CERTIFICATE OF COMPLETION

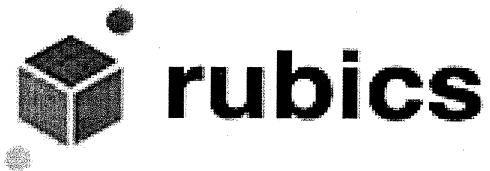THIS ACKNOWLEDGES THAT

Roopa Kakkeri

HAS SUCCESSFULLY COMPLETED THE

Rubics Data Science

Faculty Development Program

rubics

Prashant Pansare, CEO — Rubics Labs

Date: 28/06/2019

FDP on Data Science and Rubics workshop by MHRD and PMMNMTT

SAE, Kondhwa data science from 24/06/2019- 29/06/2019

This workshop in Data Science gives a broad exposure to key concepts and tools from Python, R to Machine Learning and more. Hands-on labs and project work on RUBICS bring these concepts to life with our trainers and teaching assistants to guide you along the way.

Data science continues to evolve as one of the most promising and in-demand career paths for skilled professionals. Today, successful data professionals understand that they must advance past the traditional skills of analyzing large amounts of data, data mining, and programming skills. In order to uncover useful intelligence for their organizations, data scientists must master the full spectrum of the data science life cycle and possess a level of flexibility and understanding to maximize returns at each phase of the process.

Data scientists need to be curious and result-oriented, with exceptional industry-specific knowledge and communication skills that allow them to explain highly technical results to their non-technical counterparts. They possess a strong quantitative background in statistics and linear algebra as well as programming knowledge with focuses in data warehousing, mining, and modeling to build and analyze algorithms.

In the past decade, data scientists have become necessary assets and are present in almost all organizations. These professionals are well-rounded, data-driven individuals with high-level technical skills who are capable of building complex quantitative algorithms to organize and synthesize large amounts of information used to answer questions and drive strategy in their organization. This is coupled with the experience in communication and leadership needed to deliver tangible results to various stakeholders across an organization or business.

R.B. Kakkeri

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA

(Established by the Ministry of Human Resource Development, Government of India)

Certificate

Awarded to

Durgaprasad Kamalakar Kamat

for having successfully completed the

Short Term Training Programme through ICT Mode on

Introduction to Artificial Intelligence

organized by this Institute

from **06.05.2019** to **10.05.2019** [duration: **1 Week**]

Programme Coordinator(s)   **Academic Coordinator**   **Director**

Sinhgad Technical Education Society's

SINHGAD ACADEMY OF ENGINEERING   TM

(Affiliated to University of Pune and Approved by, AICTE, New Delhi.)
S. No. 40/4 A. Near octroi Post, Kondhwa –Saswad Road, Pune – 411048.
☎ : (020) 26934441, 26934550, Fax : 020- 26934297,
E-mail : saeprincipal@sinhgad .edu, Website : www.sinhgad.edu

Sinhgad Institutes

Department of Electronics and Telecommunication

MHRD Government of India Sponsored One Week STTP
(06-May-2019 To 10-May-2019)
ON
"Introduction to Artificial Intelligence"
Hosted by
AISSMS's Institute of Information Technology, Pune

Summary

The one Week STTP is arranged through ICT mode, by AISSMS's Institute of Information Technology, Pune in association with National Institute of Technical Teacher's Training and Research, Kolkata, under MHRD government of India initiative. The Programme was aimed to develop, understand the basics concept and hands on Artificial Intelligence that are required in our research and teaching learning Process.

Well known Resource persons from the IIT, Kolkata presented their knowledge and shareed their experiences. The inaugural function presided over by the Principal Dr P. B. Mane of AISSMS's IoIT, Pune. He elaborated the global scenario of Artificial Intelligence and stressed on the up-gradation of the present education policies.

One week Refresher Programme was organized daily in four sessions. Out of the four sessions, two sessions based on theory and two based on hands-on. The eminent resource persons have enlighten the participants from various colleges of India on various issues related to Artificial Intelligence and its application in Education field as well as in Industry.

At the end of every day, they have conducted a online test on STTP course content in evening session for upgrading the knowledge of participants for getting certificate from NITTR, sponsored by MHRD.

On last day the concluding ceremony was organized Dr. V. K. Bairagi Local Coordinator of the program AISSMS's IoIT Pune. The feedbacks from all the participants were collected. The one Week STTP on Artificial Intelligence was found to be very informative and useful for the participants.

Dr. D. K. Kamat

Sinhgad Institutes

STTP Program on
Assessment and Evaluation under
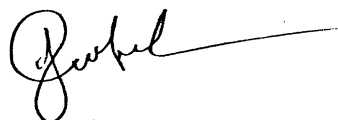## Outcome Based Education (ICT04)

Attendance Certificate

This certificate is presented to

PALLAVI SAGAR DESHPANDE

for attending one week program conducted from 10/6/2019 to 14/06/2019 in association with **National Institute of Technical Teacher's Training & Research**, Kolkata at **Sinhgad Institute of Technology and Science**, Narhe, Pune-41

Dr. P. D. Darade
Remote Center Coordinator

Prof. S. A. Kulkarni
Vice Principal

Dr. R. S. Prasad
Principal

This certificate is issued on demand of participant for s___ purpose of attendance.

One week STTP(NITTR Calcutta)

On

Assessment and Evaluation under outcome based education

Name of program : Assessment and Evaluation under outcome based education

Number of days: one week

Duration :10 to 14 june 2019

Venue :SAE kondhwa pun e

Contents of the workshop:

started with theimportance of Accreditation in theGlobal Competition. In this dynamic world of students and education, OBE forms the heart of CO's and PO'S. She also shared various real life examples and real life roles as learner and thinker, listener and communicator, implementer and performer, problem finder and solver, planner and designer, creator and producer, teacher and mentor, supporter and contributor, team member and partner,leader and organizer.She also throws light on Bloom's Taxonomy. Various guidelines for forming CO's and strength of mapping them with Vision Mission Outcomes (VMO's). CO's for seminar, Project/mini project, co-curricular activity/assigned task etc. She also shared with us REVISED'Bloom's'Taxonomy'Action'Verbs', for writing CO's.

Next session started with comparison of our present engineering curriculum and Industry expectations from engineering graduates. OBE is the building bridge to overcome the gap between the two. She discussed about the OBE implementation, attainment of CO's, PO's through survey, MOODLE etc. Rubrics term introduced which is the set of rules for measuring learning outcomes. She shared example as rubrics can be framed for seminars, project evaluation, teaching methodology etc, its evaluation. She also shared OBE related publications.

Next session describes about

describes OBE implementation in Curriculum,Teaching Learning Process,Assessment methods,Continuous Improvement and shares PO's for engineering, MCA and MBA.PO's can be classified as soft and hard PO's ie.. soft PO's includes arranging workshop,Industrial training,Industrial visit,Guest lecture,Arranging technical events,Hardware software design contest,Paper Presentations, Quiz,Use of ICT Tools,NPTEL Videos, MOOCsetc. She gave activity for all staff members to map CO's and PO's. She explains various methods for CO -PO -PSO Attainment, result Analysis etc.

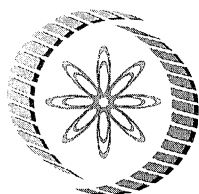Dr.Mrs.P.S.Deshpande

Roll No: NPTEL19GE03S61970726

To
VAISHALI VASANTRAO JOSHI
F 501 SHRI VENKATESH KSHITIJ, DATTA
NAGAR JAMBHULWADI ROAD, AMBEGAON ,
KATRAJ
PUNE
MAHARASHTRA
411046
PH. NO :9422025914

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	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

VAISHALI VASANTRAO JOSHI
for successfully completing the course

Introduction to Research

with a consolidated score of   **69**   %

Online Assignments	18.33/25	Proctored Exam	51/75

Total number of candidates certified in this course: **1182**

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

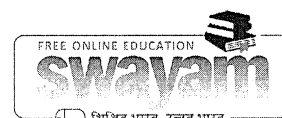**Feb-Apr 2019**
(8 week course)

Prof. Andrew Thangara
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

NPTEL COURSE

INTRODUCTION TO RESEARCH

Summary on Eight weeksNPTEL FDP Workshop on Introduction to Researchfrom Feb -April 2019.

This course aim was to introduce students to the important aspects of research. The intent of the course was to make students aware of the details associated with formal research and to help students overcome common misconceptions that may be present in their minds. By going through this course, students are likely to be able to take up research activities in a more systematic and formal manner right from the beginning.

Topics covered:

Week 1 : A group discussion on what is research; Overview of research

Week 2 : Literature survey , Experimental skills

Week 3 : Data analysis, Modelling skills

Week 4 : Technical writing; Technical Presentations; Creativity in Research

Week 5 : Creativity in Research; Ethics in Research

Week 6 : Design of Experiments

Week 7 : Intellectual Property

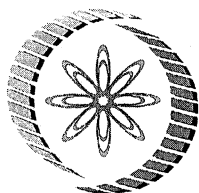Week 8 : Department specifc research discussions

V. M. Sardeshmukh

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	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

VAISHALI VASANTRAO JOSHI

for successfully completing the course

Cloud Computing

with a consolidated score of **44** %

Online Assignments	19.83/25	Proctored Exam	24/75

Total number of candidates certified in this course: **2303**

A. Goswami

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

Feb-Apr 2019
(8 week course)

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत
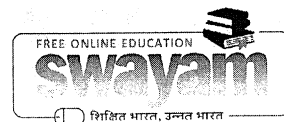
NPTEL COURSE

CLOUD COMPUTING

Summary on Eight weeks NPTEL FDP Workshop on Cloud Computing from Feb -April 2019.

Cloud computing is a scalable services consumption and delivery platform that provides on-demand computing service for shared pool of resources, namely servers, storage, networking, software, database, applications etc., over the Internet. It is a model for enabling ubiquitous, on-demand access to a shared pool of configurable computing resources, which can be rapidly provisioned and released with minimal management effort. This course introduced various aspects of cloud computing, including fundamentals, management issues, security challenges and future research trends. This course is helpful for the students (both UG and PG levels) and researchers to use and explore the cloud computing platforms.

Topics covered:

Week 1 : Introduction to Cloud Computing

Week 2 : Cloud Computing Architecture

Week 3 : Service Management in Cloud Computing

Week 4 : Data Management in Cloud Computing
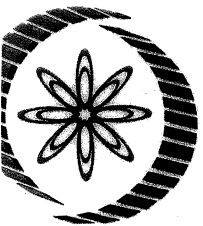
Week 5 : Resource Management in Cloud

Week 6 : Cloud Security

Week 7 : Open Source and Commercial Clouds, Cloud Simulator

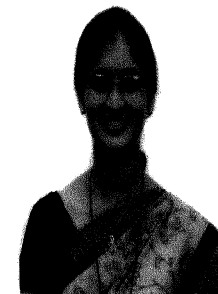Week 8 : Research trend in Cloud Computing, Fog Computing

V. M. Sardeshmukh

NPTEL-AICTE

Faculty Development Programme

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

This certificate is awarded to

ROOPA KAKKERI

for successfully completing the course

Health Research Fundamentals

with a consolidated score of **74** %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Aug-Sep 2018)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL18GE11S21710425

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

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24th July 2018, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

Summary on 08 weeks NPTEL Course and AICTE approved FDP on Health Research Fundamentals conducted by IIT Madras.

Date: 30/07/2018- 28/09/2018

Course layout :

Week 1: Conceptualizing a research study

Introduction to health research – Dr. Sanjay Mehendale

Formulating research question, hypothesis and objectives – Dr. P Manickam

Literature review – Dr. P Ganeshkumar

Week 2: Epidemiological considerations in designing a research study (1/2)

Measures of disease frequency - Dr. R Ramakrishnan

Descriptive study designs - Dr. Prabhdeep Kaur

Analytical study designs - Dr. ManojMurhekar

Week 3: Epidemiological considerations in designing a research study (2/2)

Experimental study designs: Clinical trials - Dr. Sanjay Mehendale

Validity of epidemiological studies - Dr. TarunBhatnagar

Qualitative research methods: An overview - Dr. TarunBhatnagar

Week 4: Bio-statistical considerations in designing a research study

Measurement of study variables – Dr. R Ramakrishnan

Sampling methods – Dr. R Ramakrishnan

Calculating sample size and power – Dr. R Ramakrishnan

Week 5: Planning a research study (1/2)

Selection of study population – Dr. P Ganeshkumar

Study plan and project management – Dr. Sanjay Mehendale

Designing data collection tools – Dr. TarunBhatnagar

Week 6: Planning a research study (2/2)

Principles of data collection – Dr. Prabhdeep Kaur

Data management – Dr. P Manickam

Overview of data analysis - Dr. P Manickam

Roll No: NPTEL19GE02S21740495

To
RASHMI VISHAL PATIL
C-5 SHREE VARDHAMAN NAGAR
NEAR UNITY PARK KONDHWA KHURD PUNE
MAHARASHTRA
PUNE
MAHARASHTRA
411048
PH. NO :9096412073

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

No. of credits recommended by NPTEL:1
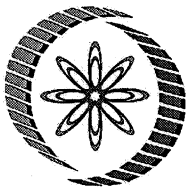
Elite

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

This certificate is awarded to

RASHMI VISHAL PATIL

for successfully completing the course

Effective Engineering Teaching In Practice

with a consolidated score of **66** %

Online Assignments	20.00/25	Proctored Exam	46.28/75

Total number of candidates certified in this course: **659**

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

Jan-Feb 2019
(4 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION
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शिक्षित भारत, उन्नत भारत

Summary

Course Name: NPTEL Online Certification for Effective Engineering
Teaching In Practice

Duration: Jan –Feb 2019

Traditionally, teachers are not trained to teach professional courses. Thus, they learn even the essential principles of teaching through experience, 'on the job'. This leads to a less than satisfactory in-class learning experience for most students in many courses, except if the teacher has a natural orientation to teaching. This course was aimed to introduce the essentials of facilitation of student learning ('teaching') in an interesting way to any teacher of professional courses, with a special focus on engineering. Further, education is a vast, old area of research, with rigorous, evidence-based knowledge that is useful for the facilitation of learning. However, the knowledge is not in an easily accessible form for teachers without experience in education research. This course was also aimed to begin bridging that gap, by appropriately introducing research in education to engineering teachers.

Rashmi V. Patil

Roll No: NPTEL19GE02S21740463

To
JAYASHREE PRATAP SHINDE
AYUSHI AND SALONI BUILDING, FLAT NO.
A22, PLOT NO:18+19, SNO.73,
PICT-DATTANAGAR
KATRAJ PUNE
PUNE
MAHARASHTRA
411046
PH. NO :9890812928

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

No. of credits recommended by NPTEL:1

Elite

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

This certificate is awarded to

JAYASHREE PRATAP SHINDE
for successfully completing the course

Effective Engineering Teaching In Practice

with a consolidated score of **66** %

Online Assignments	21.67/25	Proctored Exam	44.52/75

Total number of candidates certified in this course: **659**

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

Jan-Feb 2019
(4 week course)

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL19GE02S21740463

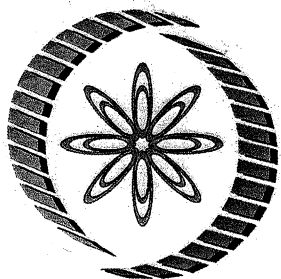To validate and check scores: http://nptel.ac.in/noc

Summary:

"NPTEL Online certification" Funded by the Ministry of HRD, Govt. of India. This certificate is awarded to Jayeshree Pratap shinde for successfully completing the course on "Effective Engineering Teaching in Practice" with a consolidated score of 66% from durng Jan - Feb 2019 (4-week course) from Indian Institute of Technology, Madras.
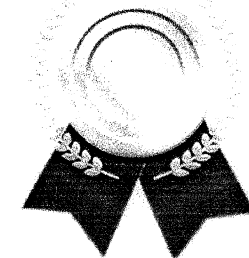
The objective or learning outcomes of the course are; to;

→ to define learing outcomes

→ define the type & depl of learn'g stults are expected to achieve

→ clearly communicate expectns to learnrs

→ study productively to meet learing goals.

→ Identify effective generic & personal stdy hubits

Elite

NPTEL Online Certification

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

This certificate is awarded to

ROOPA KAKKERI

for successfully completing the course

Effective Engineering Teaching In Practice

with a consolidated score of **75** %

Online Assignments	21.50/25	Proctored Exam	53.01/75

Total number of candidates certified in this course: **659**

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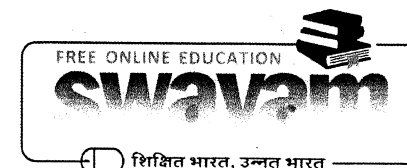Centre for Continuing Education, IITM

Jan-Feb 2019
(4 week course)

Prof. Andrew Thangara
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION
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शिक्षित भारत, उन्नत भारत

A FDP on NPTEL Course Effective teaching methodologies for engineering Jan 2019-Feb2019- four week course.

Economic, academic, and social forces are causing undergraduate schools to start a fresh examination of teaching effectiveness. Administrators face the complex task of developing equitable, predictable ways to evaluate, encourage, and reward good teaching in science, math, engineering, and technology.

Evaluating, and Improving Undergraduate Teaching in Science, Technology, Engineering, and Mathematics offers a vision for systematic evaluation of teaching practices and academic programs, with recommendations to the various stakeholders in higher education about how to achieve change.

What is good undergraduate teaching? This course discusses how to evaluate undergraduate teaching of science, mathematics, engineering, and technology and what characterizes effective teaching in these fields.

Why has it been difficult for colleges and universities to address the question of teaching effectiveness? The committee explores the implications of differences between the research and teaching cultures-and how practices in rewarding researchers could be transferred to the teaching enterprise.

Evaluating, and Improving Undergraduate Teaching in Science, Technology, Engineering, and Mathematics provides a blueprint for institutions ready to build effective evaluation programs for teaching in science fields.
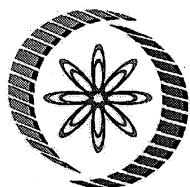
R B. Kakkeri

Roll No:NPTEL18EE14S11870020

To
RASHMI VISHAL PATIL
C-5,SHREE VARDHAMAN NAGAR,NEAR UNITY
PARK,KONDHWA KH,PUNE-411048
PUNE
MAHARASHTRA
411048
PH. NO :9096412073

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:3

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

This certificate is awarded to

RASHMI VISHAL PATIL

for successfully completing the course

Fundamentals of Electrical Engineering

with a consolidated score of **40** %

Online Assignments	18.56/25	Proctored Exam	21/75

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

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

Roll No: NPTEL18EE14S11870020

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

Summary

Course Name: NPTEL Online Certification for Fundamentals of Electrical Engineering

Duration: July-Oct 2018

This course was mainly for undergraduate First-Year Engineering students from all Specializations. This course was introduced and explain the fundamental concepts of basic electrical engineering. The basic concepts of DC and AC (Single Phase and Three Phase Circuits) network analysis, first order DC transients, steady state and phasor analysis of AC networks, series and parallel resonance and magnetic coupled circuits. This course also covered Single Phase Transformers, Three Phase Induction Machines and DC Machines. By the end of the course we gathered high-quality knowledge of basic electrical engineering.
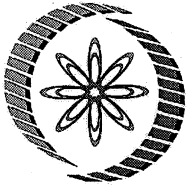
Rashmi V. Patil

Roll No:NPTEL18EE33S21860716

To
RASHMI VISHAL PATIL
C-5,SHREE VARDHAMAN NAGAR,NEAR UNITY
PARK,KONDHWA KH,PUNE-411048
PUNE
MAHARASHTRA
411048
PH. NO :9096412073

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:3

NPTEL Online Certification

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

This certificate is awarded to

RASHMI VISHAL PATIL

for successfully completing the course

Digital Circuits

with a consolidated score of **52** %

Online Assignments	20.31/25	Proctored Exam	31.5/75

Total number of candidates certified in this course: **4707**

Prof. Anupam Basu
NPTEL Coordinator
IIT Kharagpur

Jul-Oct 2018
(12 week course)

A. Goswami

Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
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शिक्षित भारत, उन्नत भारत

Summary

Course Name: NPTEL Online Certification for Digital Circuits

Duration: July-Oct 2018

Digital circuits are part of any electronic design today. This also happens to be one of the core subjects for the undergraduate students in Electronics, Electrical and Computer Engineering. It forms the basis of many of the next level courses. The proposed course on digital circuits covered all the fundamental concepts in digital design. It primarily focused on the prescribed GATE syllabus for Electronics and Communication Engineering (ECE) specialization. The course started with the representations of numbers – different number systems and conversion between them, representation of integer and real numbers etc. This followed by combinational and sequential circuit design techniques. Data converters and semiconductor memories was covered. Microprocessor 8085 was discussed as a complete digital system example. Designed primarily as a single course covering the digital circuits portion of GATE syllabus, the cours was also helpful for any other aspirant willing to learn digital electronics principles comprehensively in today's perspective.

Rashmi V. Patil